



Peace River Area Monitoring Program

SEPTEMBER 2024

Monthly Ambient Air Quality Monitoring Report

PRAMP-202409

Operation and Maintenance:

Bureau Veritas Canada

Data Validation and Report:

Peace River Area Monitoring Program

October 17, 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
CH ₄	Methane
EPEA	Environmental Protection and Enhancement Act
H ₂ S	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
SO ₂	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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October 17, 2024

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

Enclosed is the September 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
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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 September 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 September 2024

986-C Station

- No operational issues were identified this month.

842-B Station

- No operational issues were identified this month.

Reno-B Station

- No operational issues were identified this month.

PRC Station

- No operational issues were identified this month.

AQHI – Grimshaw Station

- No operational issues were identified this month.

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

- The following exceedances of Alberta Ambient Air Quality Objectives (AAAQOs) and Alberta Ambient Air Quality Guidelines (AAAQGs) were recorded at the AQHI- Grimshaw station. Twenty-two hours of 1-hour and three of 24-hour PM_{2.5} exceedances were recorded in September. The exceedances of the PM_{2.5} objective and guideline were attributed to wildfire smoke.

Date	Time (MST)	Parameter	Average Period	Concentration (µg/m ³)	Wind speed (km/hr)	Wind Direction	Reference #
Sep 6	10	PM _{2.5}	1-Hour	159	9.6	265°(W)	N/A
Sep 6	11	PM _{2.5}	1-Hour	159	10.3	270°(W)	N/A
Sep 6	12	PM _{2.5}	1-Hour	135	13.2	274°(W)	N/A
Sep 6	13	PM _{2.5}	1-Hour	107	14.1	267°(W)	N/A
Sep 6	20	PM _{2.5}	1-Hour	107	5.3	232°(SW)	N/A
Sep 6	21	PM _{2.5}	1-Hour	153	4.1	286°(WNW)	N/A
Sep 6	22	PM _{2.5}	1-Hour	89	5.7	281°(W)	N/A
Sep 6	23	PM _{2.5}	1-Hour	89	6.1	261°(W)	N/A
Sep 6	-	PM _{2.5}	24-Hour	57	6.5	257°(WSW)	433796
Sep 7	0	PM _{2.5}	1-Hour	117	6.3	243°(WSW)	N/A
Sep 7	1	PM _{2.5}	1-Hour	130	4.4	244°(WSW)	N/A
Sep 7	2	PM _{2.5}	1-Hour	172	5.8	239°(WSW)	N/A
Sep 7	3	PM _{2.5}	1-Hour	198	7.3	226°(SW)	N/A
Sep 7	4	PM _{2.5}	1-Hour	196	5.2	259°(WSW)	N/A
Sep 7	5	PM _{2.5}	1-Hour	175	8.4	292°(WNW)	N/A

Date	Time (MST)	Parameter	Average Period	Concentration (µg/m3)	Wind speed (km/hr)	Wind Direction	Reference #
Sep 7	6	PM2.5	1-Hour	134	8.2	306°(NW)	N/A
Sep 7	7	PM2.5	1-Hour	139	5.1	298°(WNW)	N/A
Sep 7	8	PM2.5	1-Hour	135	4.1	244°(WSW)	N/A
Sep 7	9	PM2.5	1-Hour	158	8.9	186°(S)	N/A
Sep 7	10	PM2.5	1-Hour	179	11.5	175°(S)	N/A
Sep 7	11	PM2.5	1-Hour	109	12.0	273°(W)	N/A
Sep 7	-	PM2.5	24-Hour	89	8.4	269°(W)	433796
Sep 8	9	PM2.5	1-Hour	84	3.4	191°(S)	N/A
Sep 8	10	PM2.5	1-Hour	93	4.3	177°(S)	N/A
Sep 8	-	PM2.5	24-Hour	50	5.0	286°(WNW)	433796

Note: As the bulk reporting protocol is in effect, all measured exceedances of the 1-hour PM2.5 AAAQG were not required to be reported to Alberta EDGE and one reference number for all 24-hour exceedances collected in a month is assigned.

Non-compliance Events during the Month of September 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 canister events were recorded this month.

Revisions to Alberta's Ambient Air Quality Data Warehouse

The EPA 2023 data review indicated that errors were noticed in the December 2023 monthly report; December monthly report sections "Monitored Data Summary" and "Tables, Charts and Wind Roses" are blank for all stations. An incorrect version of the monthly report was accidentally submitted in January 2024. The monthly report with all required tables and charts was resubmitted on October 17, 2024. **ETS Request # 4729758.**

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

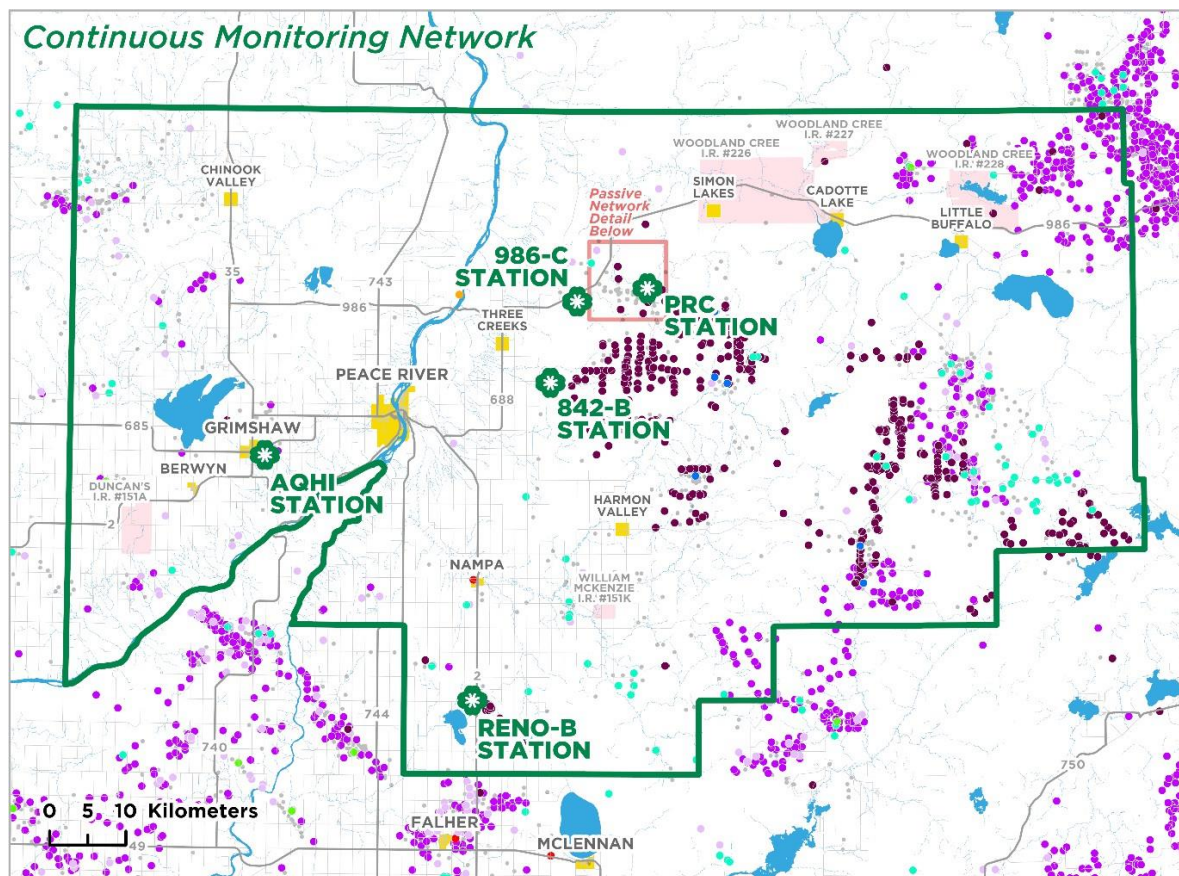
This report was reviewed by Michael Bisaga in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

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

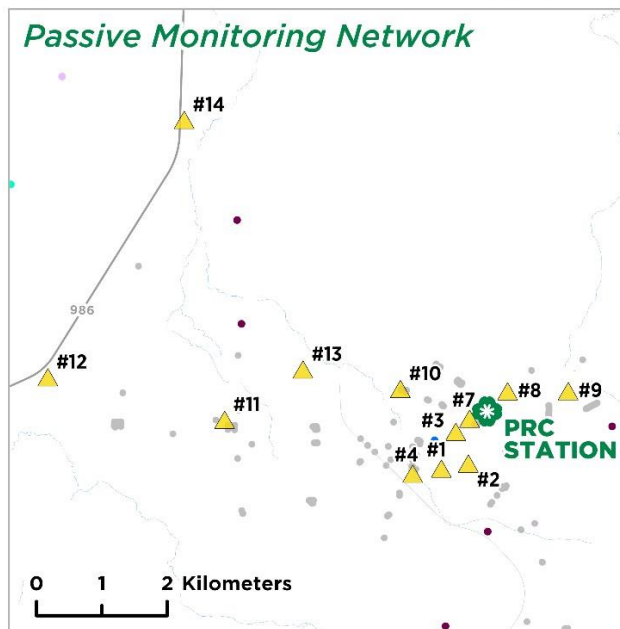
- PRAMP Boundary
- Populated Place
- First Nation
- * Continuous Monitoring Station
- ▲ Passive Monitoring Station

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)

Service Layer Credit: Esri, CGI/AR, USGS, Esri, USGS

Passive Monitoring Network



CONTINUOUS NETWORK EQUIPMENT AND MONITORING RESULTS SUMMARY

986 -C Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43iQTL #1193585646	September 18, 2024	Three hours of data were lost due to a power outage event.
TRS Thermo 43iQTL #1191833341 TRS convertor CD Nova CDN-101 #530 (BV-supplied)	September 18, 2024	Three 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	September 18, 2024	Three hours of data were lost due to a power outage event.
Parameter	Verification Date	Equipment Operational Summary
RH Rotronic HC2-S3 #20626912	September 18, 2024	- Three hours of data were lost due to a power outage event. - The channel was put offline while maintenance was being performed on the wind system on September 17. One hour of downtime was recorded as a result.
BP MetOne 092 #Y23358	September 18, 2024	- Three hours of data were lost due to a power outage event. - The channel was put offline while maintenance was being performed on the wind system on September 17. One hour of downtime was recorded as a result.

Parameter	Verification Date	Equipment Operational Summary
AT Rotronic HC2-S3 #20626912	September 18, 2024	- Three hours of data were lost due to a power outage event. - The channel was put offline while maintenance was being performed on the wind system on September 17. One hour of downtime was recorded as a result.
ST COMET #189619 18	September 18, 2024	Three hours of data were lost due to a power outage event.
Precipitation RM Young 52202 #TB 16325	September 18, 2024	Three hours of data were lost due to a power outage event.
WS/ WD RM Young 05305AQ #180340	September 18, 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. - Three hours of data were lost due to a power outage event. - Maintenance was completed on the wind system on September 17 at hours 17 and 18. Two hours of downtime were recorded as a result.

Monitored Data Summary for 986-C Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	2	Sep 5 at hr 11	17.8	S	0.6	Sep 23	99.6	94.7
TRS (ppb)	-	-	-	-	-	-	0.48	0.06	2.26	Sep 21 at hr 18	10.8	SSE	0.86	Sep 22	99.6	94.6
THC (ppm)	-	-	-	-	-	-	2.02	1.91	2.23	Sep 13 at hr 1	3.5	SE	2.09	Sep 29	99.6	94.7
CH4 (ppm)	-	-	-	-	-	-	2.02	1.91	2.23	Sep 13 at hr 1	3.5	SE	2.09	Sep 29	99.6	94.7
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.01	Sep 30 at hr 2	8.3	SW	0.00	Sep 30	99.6	94.7
RH (%)	-	-	-	-	-	-	73.6	25	100	Sep 3 at hr 3	2.2	SSW	92.9	Sep 3	99.4	99.4
BP (millibar)	-	-	-	-	-	-	938	923	954	Sep 4 at hr 8	5.7	SW	952	Sep 4	99.4	99.4
Ext. Temp. (°C)	-	-	-	-	-	-	12.1	1.4	28.5	Sep 1 at hr 15	16.2	SW	19.6	Sep 1	99.4	99.4
Stn. Temp. (°C)	-	-	-	-	-	-	23.5	22.5	25.2	Sep 18 at hr 9	6.5	NW	24.0	Sep 6	99.6	99.6
Precipitation (mm)*	-	-	-	-	-	-	15.6	0.0	3.8	Sep 9 at hr 12	11.8	NW	5.9	Sep 9	99.6	99.6
WSV (km/hr)	-	-	-	-	-	-	5.4	0.0	24.5	Sep 24 at hr 2	24.5	SW	13.0	Sep 24	99.3	99.3
WDV (sector)	-	-	-	-	-	-	211 (SSW)	-	-	-	-	-	-	-	99.3	99.3

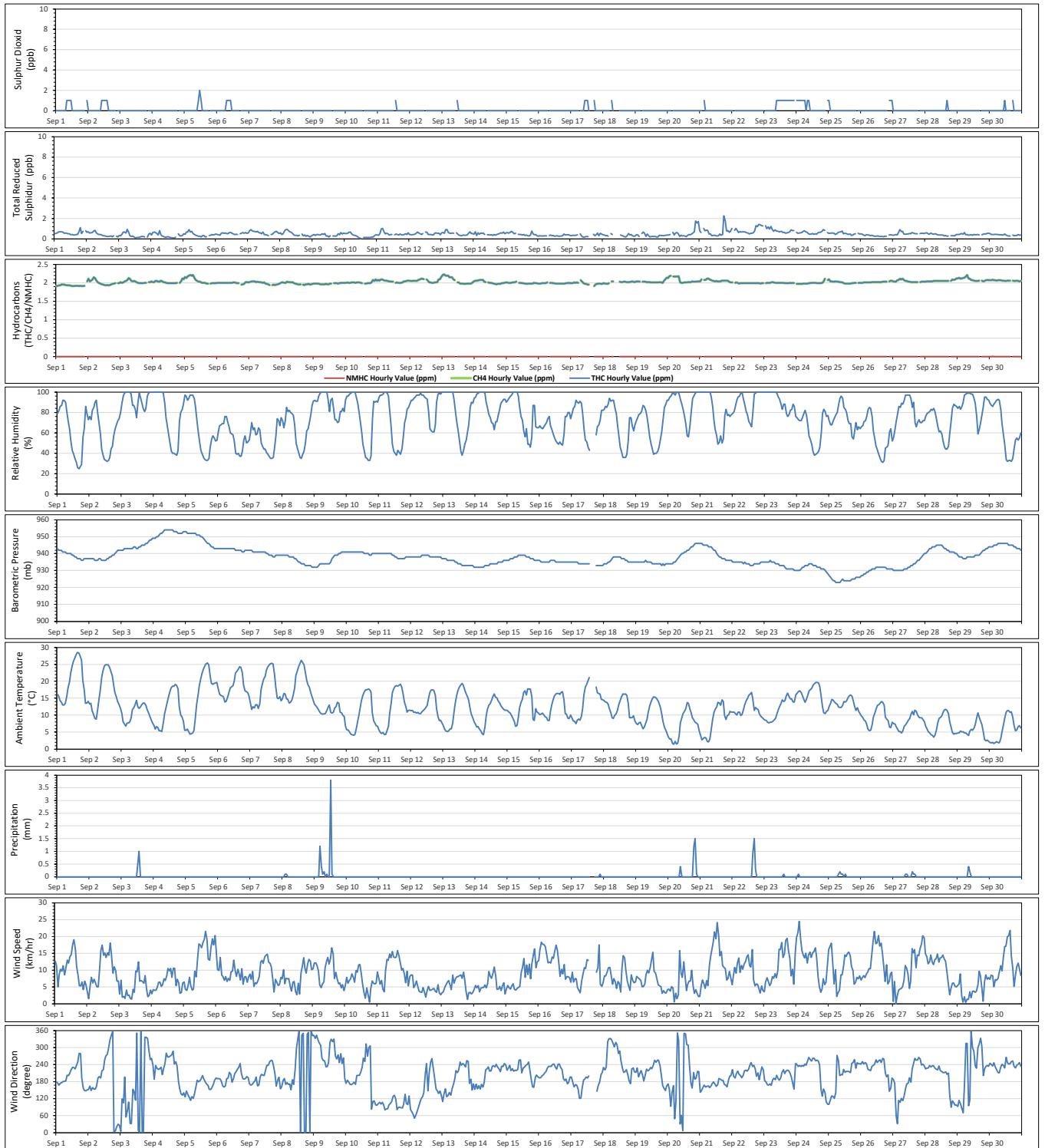
1- Date/ Time given is the first minimum and maximum value that was recorded

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

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

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

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



842-B Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43iQTL #1200736629	September 4, 2024	Fourteen hours of downtime were recorded due to a power failure this month.
TRS Thermo 43iQTL #1200736630 TRS Convertor CD Nova CDN-101 #583 #552	September 4, 2024	Fourteen hours of downtime were recorded due to a power failure this month.
THC/CH4/NMHC Thermo 55i #1501663728 H2 Generator HG300 #190567058 Zero Air Supply Teledyne T701 #1087	September 4, 2024	- Fourteen hours of downtime were recorded due to a power failure this month. - The NMHC channel showed span drifts, commencing on September 27. A repeat zero-span check was completed on September 28 to assess the drift. The analyzer failed the as-found points check on October 1 due to excessive span drift. The issue was corrected on October 1. Data were invalidated back to the last valid zero-span check, which was September 30 at hour 14. Eleven hours of downtime were recorded due to this event.
Parameter	Verification Date	Equipment Operational Summary
RH Rotronic HC2-S3 #20370767	September 4, 2024	- Fourteen hours of downtime were recorded due to a power failure this month. - The channel was put offline while maintenance was being performed on the wind system on September 18. One hour of downtime was recorded as a result.
AT Rotronic HC2-S3 #20370767	September 4, 2024	- Fourteen hours of downtime were recorded due to a power failure this month. - The channel was put offline while maintenance was being performed on the wind system on September 18. One hour of downtime was recorded as a result.

Parameter	Verification Date	Equipment Operational Summary
BP MetOne 092 #Y23362	September 4, 2024	- Fourteen hours of downtime were recorded due to a power failure this month. - The channel was put offline while maintenance was being performed on the wind system on September 18. One hour of downtime was recorded as a result.
ST COMET #20790297	September 4, 2024	Fourteen hours of downtime were recorded due to a power failure this month.
Precipitation RM Young 52202 #TB 15878	September 4, 2024	Fourteen hours of downtime were recorded due to a power failure this month.
WS/ WD RM Young 05305AQ #174802	September 4, 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. - Fourteen hours of downtime were recorded due to a power failure this month. - Maintenance was completed on the wind system on September 18 at hours 13 and 14. Two hours of downtime were recorded as a result.

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	Sep 1 at hr 10	10.5	SW	0.1	Sep 2	98.1	93.2
TRS (ppb)	-	-	-	-	-	-	0.88	0.16	2.46	Sep 22 at hr 20	4.3	SSW	1.34	Sep 22	98.1	93.2
THC (ppm)	-	-	-	-	-	-	1.98	1.89	2.72	Sep 20 at hr 5	0.2	N	2.08	Sep 20	96.5	91.6
CH4 (ppm)	-	-	-	-	-	-	1.98	1.89	2.72	Sep 20 at hr 5	0.2	N	2.08	Sep 20	96.5	91.6
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Sep 1 at hr 0	5.5	SSE	0.00	Sep 1	96.5	91.6
RH (%)	-	-	-	-	-	-	76.5	24	100	Sep 12 at hr 4	3.8	NE	95.4	Sep 3	97.9	97.9
BP (millibar)	-	-	-	-	-	-	937	922	953	Sep 4 at hr 8	5.9	SW	951	Sep 4	97.9	97.9
Ext. Temp. (°C)	-	-	-	-	-	-	12.7	1.4	29.6	Sep 1 at hr 15	15.2	SW	20.3	Sep 1	97.9	97.9
Stn. Temp. (°C)	-	-	-	-	-	-	22.7	21.6	24.2	Sep 3 at hr 21	2.1	NNW	23.4	Sep 25	98.1	98.1
Precipitation (mm)*	-	-	-	-	-	-	23.0	0.0	4.9	Sep 22 at hr 15	13.5	WSW	6.2	Sep 22	98.1	98.1
WSV (km/hr)	-	-	-	-	-	-	4.5	0.1	22.6	Sep 30 at hr 12	22.6	WSW	12.0	Sep 24	97.8	97.8
WDV (sector)	-	-	-	-	-	-	220 (SW)	-	-	-	-	-	-	-	97.8	97.8

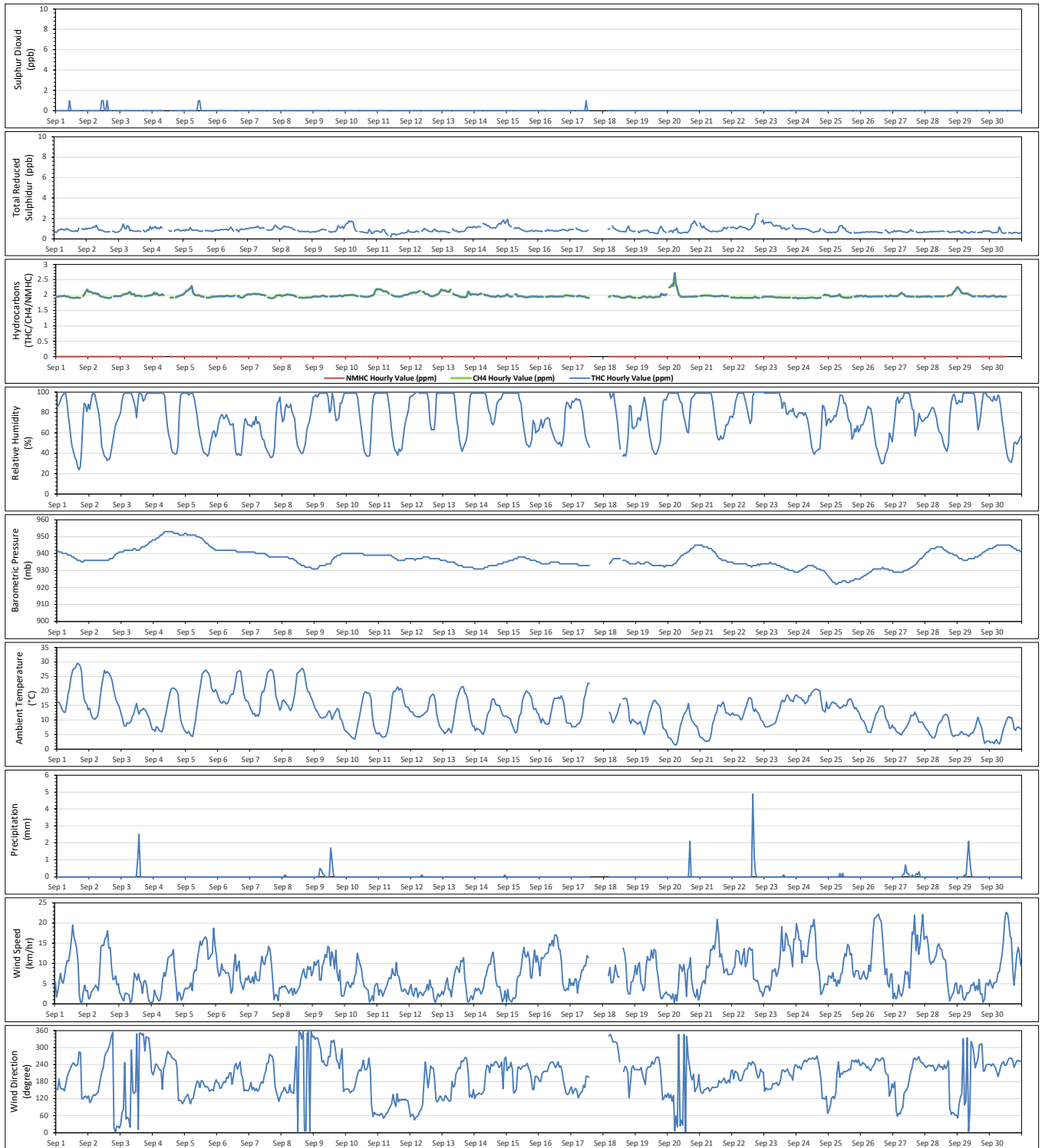
1- Date/ Time given is the first minimum and maximum value that was recorded

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

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

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

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



Reno-B Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43iQTL #12101910505	September 6, 2024	The scheduled daily zero-span check was interrupted due to Windows update on September 23. A repeat zero-span check was initiated on September 24. One hour of downtime was recorded due to this additional quality check.
TRS Thermo 43iQTL #12101910504 TRS Convertor CD Nova CDN-101 #590	September 6, 2024	The scheduled daily zero-span check was interrupted due to Windows update on September 23. A repeat zero-span check was initiated on September 24. One hour of downtime was recorded due to this additional quality check.
THC/CH4/NMHC Thermo 55i #1193585652 H2 Generator HG300 #210467069	September 6, 2024	The scheduled daily zero-span check was interrupted due to Windows update on September 23. A repeat zero-span check was initiated on September 24. One hour of downtime was recorded due to this additional quality check.
Parameter	Verification Date	Equipment Operational Summary
RH Rotronic HC2-S3 #20467597	September 6, 2024	No operational issues were identified this month.
BP MetOne 092 #A17940	September 6, 2024	No operational issues were identified this month.
AT Rotronic HC2-S3 #20467597	September 6, 2024	No operational issues were identified this month.
ST COMET #NA	September 6, 2024	No operational issues were identified this month.

Parameter	Verification Date	Equipment Operational Summary
Precipitation RM Young 52202 #TB 15877	September 6, 2024	No operational issues were identified this month.
WS/ WD RM Young 05305AQ #174795	September 6, 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	Sep 1 at hr 16	19.3	W	0.3	Sep 2	99.9	94.8
TRS (ppb)	-	-	-	-	-	-	0.74	0.24	3.62	Sep 23 at hr 0	5	S	1.88	Sep 23	99.9	94.8
THC (ppm)	-	-	-	-	-	-	1.95	1.86	2.70	Sep 1 at hr 22	8.5	ESE	2.02	Sep 12	99.9	95.0
CH4 (ppm)	-	-	-	-	-	-	1.95	1.86	2.70	Sep 1 at hr 22	8.5	ESE	2.02	Sep 12	99.9	95.0
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Sep 1 at hr 0	14	SSE	0.00	Sep 1	99.9	95.0
RH (%)	-	-	-	-	-	-	68.9	21	100	Sep 3 at hr 21	6.5	WNW	94.1	Sep 22	100.0	100.0
BP (millibar)	-	-	-	-	-	-	937	922	953	Sep 4 at hr 9	7.8	WSW	951	Sep 4	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	12.5	0.0	29.4	Sep 1 at hr 16	19.3	W	20.4	Sep 1	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.4	21.1	23.3	Sep 4 at hr 9	7.8	WSW	22.8	Sep 25	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	12.6	0.0	1.7	Sep 29 at hr 6	6	N	6.2	Sep 29	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	5.9	0.3	39.4	Sep 27 at hr 15	39.4	W	19.3	Sep 26	100.0	100.0
WDV (sector)	-	-	-	-	-	-	230 (SW)	-	-	-	-	-	-	-	100.0	100.0

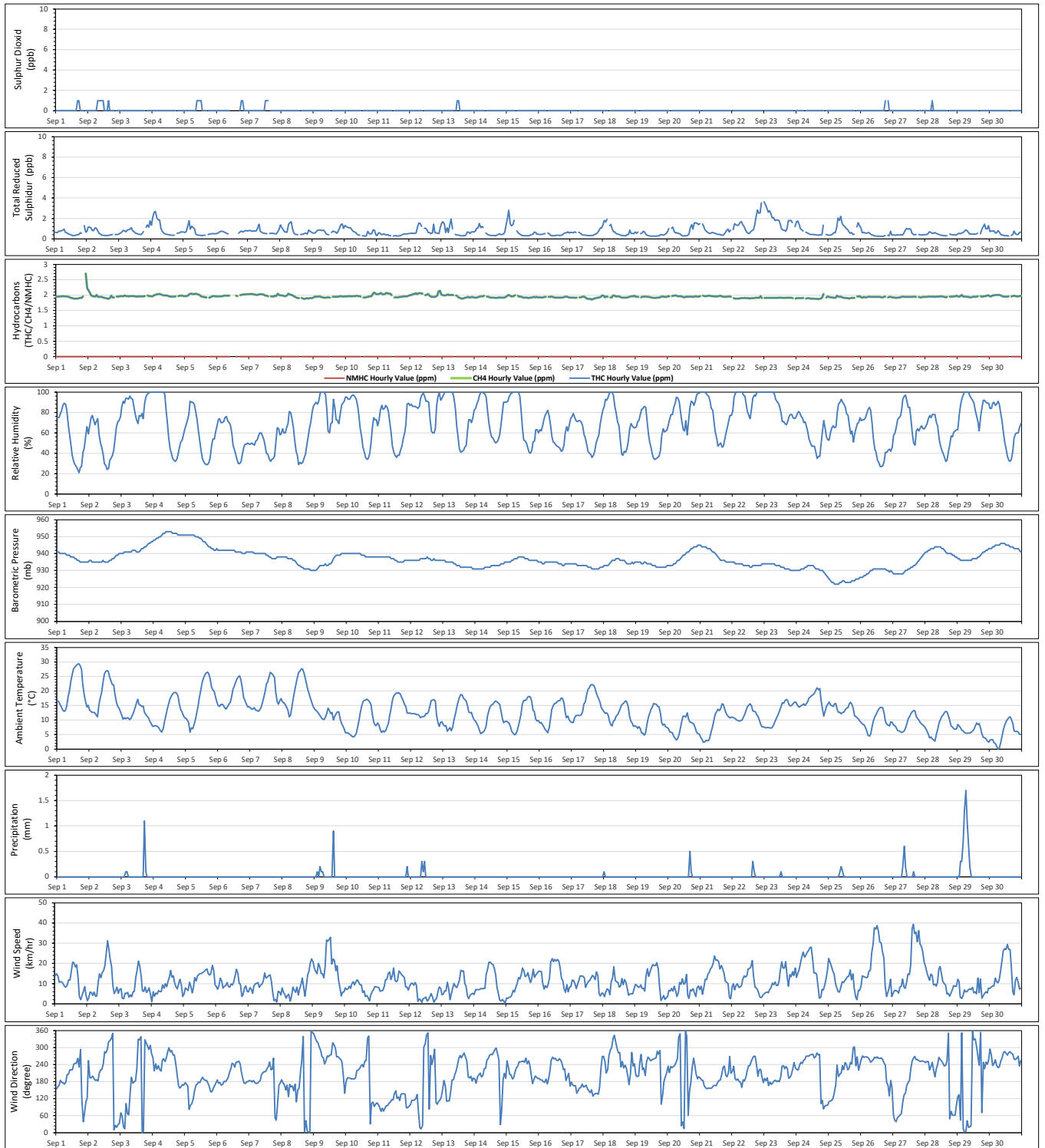
1- Date/ Time given is the first minimum and maximum value that was recorded

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

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

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

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



PRC Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43i #1034746225	September 10, 2024	A power failure event affected data completion, starting September 17 at hour 14. Datalogger was manually restarted on September 18 at hour 6. Seventeen hours of downtime were recorded as a result.
H2S Thermo 450i #1308857354	September 10, 2024	A power failure event affected data completion, starting September 17 at hour 14. Datalogger was manually restarted on September 18 at hour 6. Seventeen hours of downtime were recorded as a result.
TRS Thermo 450i #1034746224 TRS Convertor CD Nova CDN-101 #516	September 10, 2024	Seventeen hours of downtime were recorded due to a power failure this month.
THC/CH4/NMHC Thermo 55i #1034745845 H2 Generator HG300 #211067076	September 10, 2024	Seventeen hours of downtime were recorded due to a power failure this month.
Parameter	Verification Date	Equipment Operational Summary
RH Rotronic HC2-S3 #20558318	September 10, 2024	A power failure event affected data completion, starting September 17 at hour 14. Datalogger was manually restarted on September 18 at hour 6. Seventeen hours of downtime were recorded as a result.
BP MetOne 092 #B19577	September 10, 2024	A power failure event affected data completion, starting September 17 at hour 14. Datalogger was manually restarted on September 18 at hour 6. Seventeen hours of downtime were recorded as a result.

Parameter	Verification Date	Equipment Operational Summary
AT Rotronic HC2-S3 #20558318	September 10, 2024	A power failure event affected data completion, starting September 17 at hour 14. Datalogger was manually restarted on September 18 at hour 6. Seventeen hours of downtime were recorded as a result.
ST Canadian Natural #NA	September 10, 2024	A power failure event affected data completion, starting September 17 at hour 14. Datalogger was manually restarted on September 18 at hour 6. Seventeen hours of downtime were recorded as a result.
WS/ WD RM Young 05305VK #129612	September 10, 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. - A power failure event affected data completion, starting September 17 at hour 14. Datalogger was manually restarted on September 18 at hour 6. Seventeen hours of downtime were recorded as a result.

Monitored Data Summary for Peace River Complex (PRC) Station

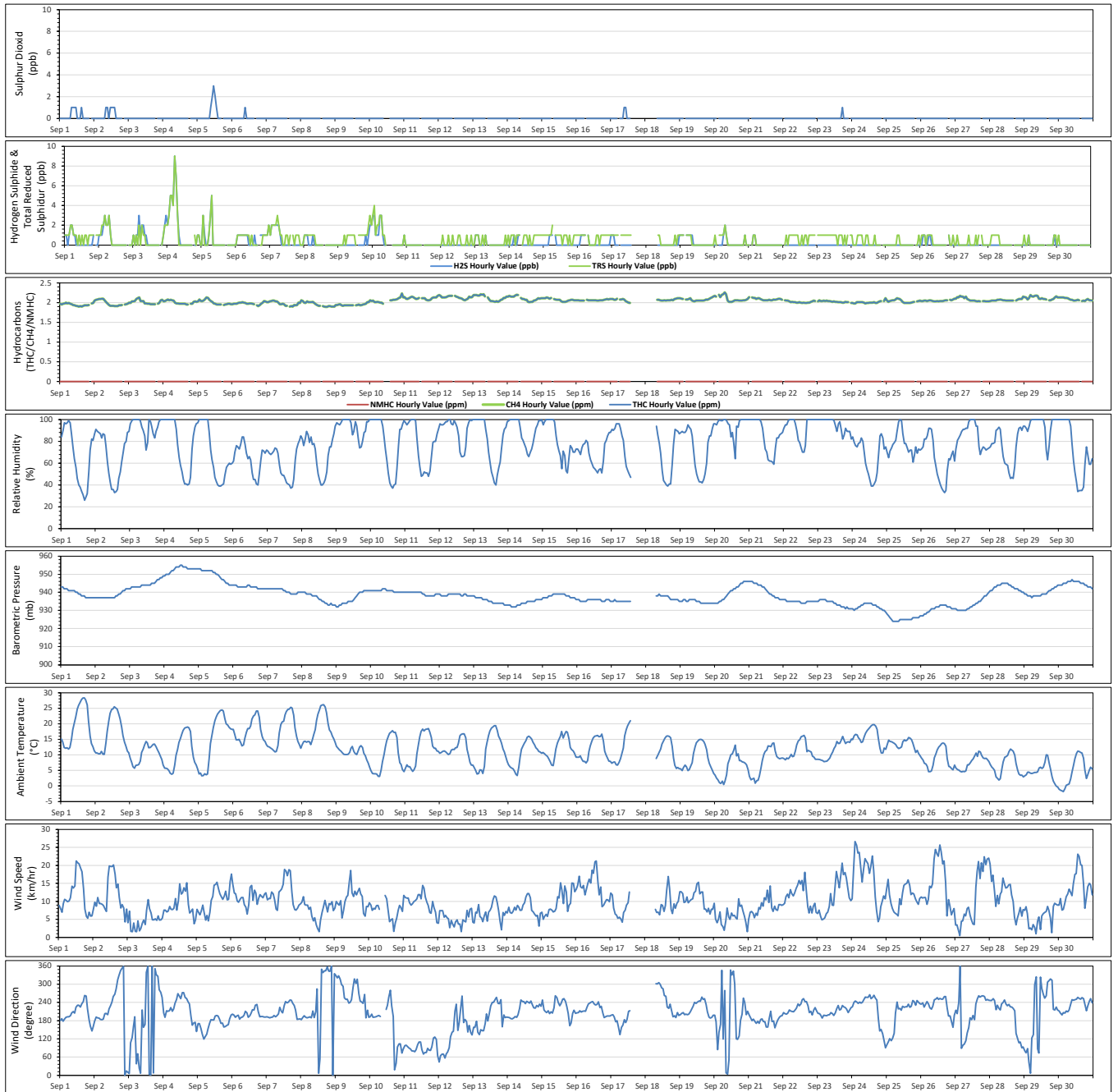
Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	3	Sep 5 at hr 11	11.4	S	0.4	Sep 5	97.6	92.9
H2S (ppb)	10	3	-	0	0	-	0.3	0	9	Sep 4 at hr 5	8.6	SW	2.0	Sep 4	97.6	92.9
TRS (ppb)	-	-	-	-	-	-	0.6	0	9	Sep 4 at hr 5	8.6	SW	1.8	Sep 4	97.6	92.9
THC (ppm)	-	-	-	-	-	-	2.04	1.89	2.26	Sep 20 at hr 7	2	W	2.13	Sep 12	97.6	92.9
CH4 (ppm)	-	-	-	-	-	-	2.04	1.89	2.26	Sep 20 at hr 7	2	W	2.13	Sep 12	97.6	92.9
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Sep 1 at hr 0	8.9	S	0.00	Sep 1	97.6	92.9
RH (%)	-	-	-	-	-	-	77.9	26	100	Sep 3 at hr 2	1.7	ESE	94.9	Sep 20	97.6	97.6
BP (millibar)	-	-	-	-	-	-	938	924	955	Sep 4 at hr 11	10.2	WSW	953	Sep 4	97.6	97.6
Ext. Temp. (°C)	-	-	-	-	-	-	11.5	-1.8	28.4	Sep 1 at hr 16	18.2	WSW	19.0	Sep 1	97.6	97.6
Stn. Temp. (°C)	-	-	-	-	-	-	23.2	19.7	26.4	Sep 24 at hr 2	26.6	WSW	24.3	Sep 16	97.6	97.6
WSV (km/hr)	-	-	-	-	-	-	6.8	0.5	26.6	Sep 24 at hr 2	26.6	WSW	16.4	Sep 24	97.6	97.2
WDV (sector)	-	-	-	-	-	-	219 (SW)	-	-	-	-	-	-	-	97.6	97.2

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

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

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

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



AQHI – Grimshaw Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Teledyne T100 #722	September 5, 2024	No major operational issues were identified this month.
TRS Thermo 43iQ-TL #12409233394 TRS Convertor CD Nova CDN-101 #576	September 5, 2024	No major operational issues were identified this month.
NOx/NO/NO2 Thermo 42iQ #12409233392	September 5, 2024	No major operational issues were identified this month.
O3 Thermo 49iQ #12326230141	September 5, 2024	No major operational issues were identified this month.
THC/CH4/NMHC Thermo 55i #12101910497 H2 Generator HG300 #190567059	September 5, 2024	No major operational issues were identified this month.
PM2.5 Teledyne T640 #318	September 5, 2024	No major operational issues were identified this month.
Parameter	Verification Date	Equipment Operational Summary
RH Vaisala HMP155 #N2910506	September 5, 2024	- No major operational issues were identified this month. - The channel was put offline while maintenance was being performed on the wind system on September 18. One hour of downtime was recorded as a result.

Parameter	Verification Date	Equipment Operational Summary
BP MetOne 092 #A2397	September 5, 2024	- No major operational issues were identified this month. - The channel was put offline while maintenance was being performed on the wind system on September 18. One hour of downtime was recorded as a result.
AT Vaisala HMP155 #N2910506	September 5, 2024	- No major operational issues were identified this month. - The channel was put offline while maintenance was being performed on the wind system on September 18. One hour of downtime was recorded as a result.
ST COMET #NA	September 5, 2024	No major operational issues were identified this month.
WS/ WD RM Young 05305AQ #174801	September 5, 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. - Maintenance was completed on the wind system on September 18 at hours 8 and 10. Three hours of downtime were recorded as a result.

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	Sep 1 at hr 9	5.3	SSW	0.1	Sep 1	100.0	95.0
TRS (ppb)	-	-	-	-	-	-	0.42	0.11	5.30	Sep 21 at hr 6	2.6	E	0.87	Sep 12	100.0	0.0
NOx (ppb)	-	-	-	-	-	-	3.7	1	61	Sep 5 at hr 6	2.2	ESE	6.0	Sep 6	100.0	3.8
NO (ppb)	-	-	-	-	-	-	0.6	0	49	Sep 5 at hr 6	2.2	ESE	1.4	Sep 10	100.0	0.5
NO2 (ppb)	159	-	-	0	-	-	3.0	1	18	Sep 28 at hr 19	3.4	NNW	5.2	Sep 6	100.0	3.0
O3 (ppb)	76	-	-	0	-	-	24.8	2.9	48.1	Sep 24 at hr 12	21.5	W	32.1	Sep 26	100.0	24.8
THC (ppm)	-	-	-	-	-	-	1.98	1.88	3.68	Sep 28 at hr 19	3.4	NNW	2.07	Sep 28	100.0	2.0
CH4 (ppm)	-	-	-	-	-	-	1.98	1.88	2.24	Sep 15 at hr 19	3.6	SW	2.02	Sep 21	100.0	2.0
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	1.66	Sep 28 at hr 19	3.4	NNW	0.08	Sep 28	100.0	0.0
PM2.5 (µg/m3)	80	29	-	22	3	-	11.2	0	198	Sep 7 at hr 3	7.3	SW	89.3	Sep 7	100.0	11.1
RH (%)	-	-	-	-	-	-	65.5	23	100	Sep 13 at hr 5	1.9	ENE	86.7	Sep 22	99.9	65.6
BP (millibar)	-	-	-	-	-	-	938	924	955	Sep 4 at hr 10	7.2	WNW	953	Sep 4	99.9	938.3
Ext. Temp. (°C)	-	-	-	-	-	-	12.9	0.5	28.8	Sep 1 at hr 15	15.9	W	19.7	Sep 7	99.9	13.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.2	18.8	26.5	Sep 19 at hr 13	16.7	WSW	22.8	Sep 19	100.0	22.2
WSV (km/hr)	-	-	-	-	-	-	7.8	0.1	24.7	Sep 26 at hr 10	24.7	W	13.3	Sep 26	99.6	7.8
WDV (sector)	-	-	-	-	-	-	274 (W)	-	-	-	-	-	-	-	99.6	247.0

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

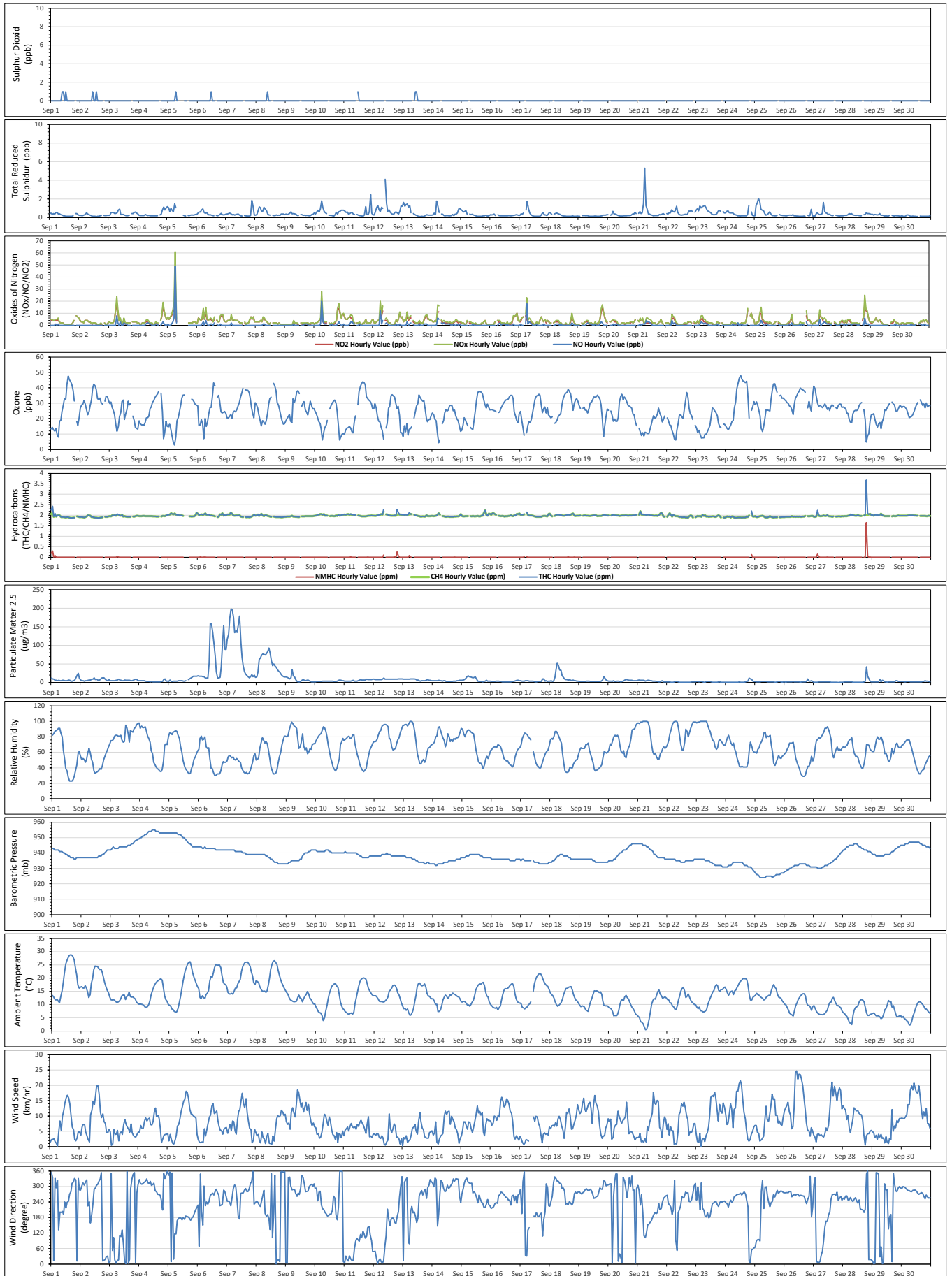
Alberta Ambient Air Quality Objectives (AAAQOs) and/or Alberta Ambient Air Quality Guidelines (AAAQGs) Exceedances

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

Date	Time (MST)	Parameter	Average Period	AAAQOs / AAAQGs	Concentration	Wind speed	Wind Direction	Reference #
Sep 6	10	PM2.5	1-Hour	80 µg/m3	159 µg/m3	9.6 km/hr	265° (W)	N/A
Sep 6	11	PM2.5	1-Hour	80 µg/m3	159 µg/m3	10.3 km/hr	270° (W)	N/A
Sep 6	12	PM2.5	1-Hour	80 µg/m3	135 µg/m3	13.2 km/hr	274° (W)	N/A
Sep 6	13	PM2.5	1-Hour	80 µg/m3	107 µg/m3	14.1 km/hr	267° (W)	N/A
Sep 6	20	PM2.5	1-Hour	80 µg/m3	107 µg/m3	5.3 km/hr	232° (SW)	N/A
Sep 6	21	PM2.5	1-Hour	80 µg/m3	153 µg/m3	4.1 km/hr	286° (WNW)	N/A
Sep 6	22	PM2.5	1-Hour	80 µg/m3	89 µg/m3	5.7 km/hr	281° (W)	N/A
Sep 6	23	PM2.5	1-Hour	80 µg/m3	89 µg/m3	6.1 km/hr	261° (W)	N/A
Sep 6	-	PM2.5	24-Hour	29 µg/m3	57 µg/m3	6.5 km/hr	257° (WSW)	433796
Sep 7	0	PM2.5	1-Hour	80 µg/m3	117 µg/m3	6.3 km/hr	243° (WSW)	N/A
Sep 7	1	PM2.5	1-Hour	80 µg/m3	130 µg/m3	4.4 km/hr	244° (WSW)	N/A
Sep 7	2	PM2.5	1-Hour	80 µg/m3	172 µg/m3	5.8 km/hr	239° (WSW)	N/A
Sep 7	3	PM2.5	1-Hour	80 µg/m3	198 µg/m3	7.3 km/hr	226° (SW)	N/A
Sep 7	4	PM2.5	1-Hour	80 µg/m3	196 µg/m3	5.2 km/hr	259° (WSW)	N/A
Sep 7	5	PM2.5	1-Hour	80 µg/m3	175 µg/m3	8.4 km/hr	292° (WNW)	N/A
Sep 7	6	PM2.5	1-Hour	80 µg/m3	134 µg/m3	8.2 km/hr	306° (NW)	N/A
Sep 7	7	PM2.5	1-Hour	80 µg/m3	139 µg/m3	5.1 km/hr	298° (WNW)	N/A
Sep 7	8	PM2.5	1-Hour	80 µg/m3	135 µg/m3	4.1 km/hr	244° (WSW)	N/A
Sep 7	9	PM2.5	1-Hour	80 µg/m3	158 µg/m3	8.9 km/hr	186° (S)	N/A
Sep 7	10	PM2.5	1-Hour	80 µg/m3	179 µg/m3	11.5 km/hr	175° (S)	N/A
Sep 7	11	PM2.5	1-Hour	80 µg/m3	109 µg/m3	12.0 km/hr	273° (W)	N/A
Sep 7	-	PM2.5	24-Hour	29 µg/m3	89 µg/m3	8.4 km/hr	269° (W)	433796
Sep 8	9	PM2.5	1-Hour	80 µg/m3	84 µg/m3	3.4 km/hr	191° (S)	N/A
Sep 8	10	PM2.5	1-Hour	80 µg/m3	93 µg/m3	4.3 km/hr	177° (S)	N/A
Sep 8	-	PM2.5	24-Hour	29 µg/m3	50 µg/m3	5.0 km/hr	286° (WNW)	433796

The source of the exceedance of the PM2.5 objective and guideline were attributed to wildfire smoke.

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



TABLES, CHARTS AND WIND ROSES

986-C STATION

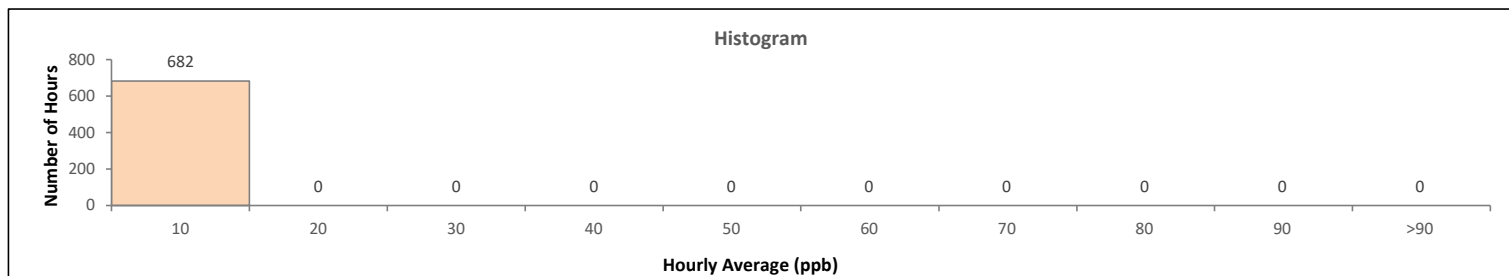
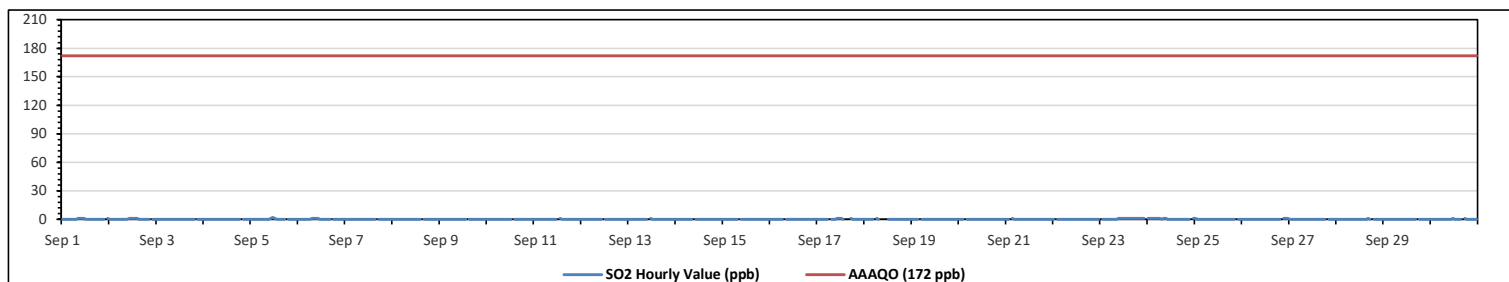
Peace River Area Monitoring Program

986-C Station - September 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO₂) 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 Sep 5 at hr 11					Hours in Service:					720													
Maximum Daily Value:					0.6 ppb on Sep 23					Hours of Data:					682													
Minimum Hourly Value:					0 ppb on Sep 1 at hr 0					Hours of Missing Data:					3													
Minimum Daily Value:					0.0 ppb on Sep 3					Hours of Calibration:					35													
Monthly Average:					0.1 ppb					Operational Uptime:					99.6													
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
Sep 1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	S	1	0	1	0.2
Sep 2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	S	0	0	0	1	0.2
Sep 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Sep 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Sep 5	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	S	0	0	0	0	0	0	0	2	0.2
Sep 6	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	1	0.2
Sep 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Sep 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 10	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
Sep 11	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Sep 12	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 13	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Sep 14	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 15	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 16	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 17	0	0	0	0	0	S	0	0	0	1	1	0	0	0	P	P	P	1	0	0	0	0	0	0	0	0	1	0.2
Sep 18	0	0	0	0	S	1	0	C	C	C	C	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Sep 19	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 20	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 21	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	0	1	0.0
Sep 22	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 23	S	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	S	0	1	0.6	
Sep 24	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	1	0.4	
Sep 25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	1	0.0	
Sep 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	1	1	0	1	0.1		
Sep 27	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	
Sep 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	S	0	0	0	0	0	0	0	1	0.0	
Sep 29	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	
Sep 30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	S	1	0	0	0	0	0	0	0	0	1	0.1
Diurnal Maximum	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1			
Diurnal Average	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.2	0.3	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	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											
X	Invalid Data (Equipment Malfunction /Recovery)							NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)							P	Power Failure											
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																												
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																												

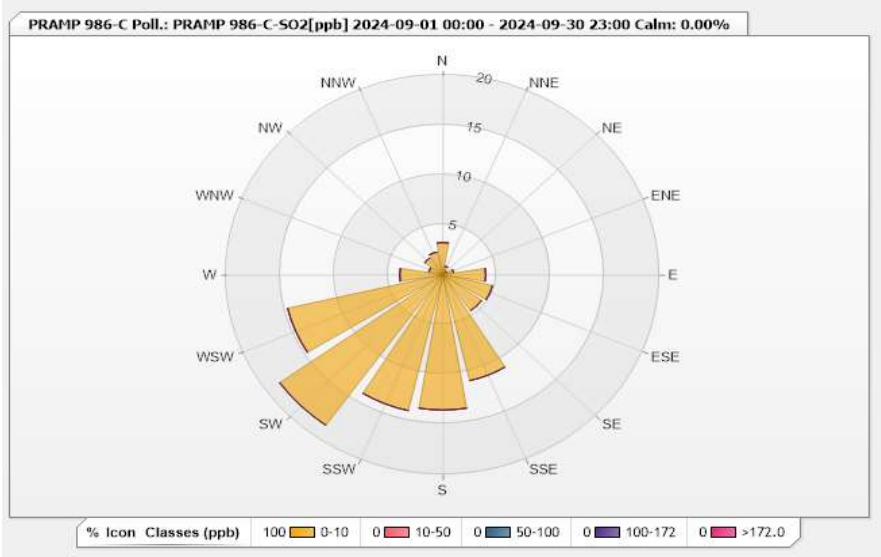


Station: PRAMP 986-C Poll.: PRAMP 986-C-SO2[ppb] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 94.44% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	3.24	0	0	0	0	3.24
NNE	0.88	0	0	0	0	0.88
NE	0.44	0	0	0	0	0.44
ENE	1.03	0	0	0	0	1.03
E	3.97	0	0	0	0	3.97
ESE	4.71	0	0	0	0	4.71
SE	4.41	0	0	0	0	4.41
SSE	10.88	0	0	0	0	10.88
S	13.53	0	0	0	0	13.53
SSW	13.97	0	0	0	0	13.97
SW	18.53	0	0	0	0	18.53
WSW	14.71	0	0	0	0	14.71
W	3.97	0	0	0	0	3.97
WNW	1.32	0	0	0	0	1.32
NW	2.06	0	0	0	0	2.06
NNW	2.35	0	0	0	0	2.35
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - September 2024

Summary of Hourly Averages

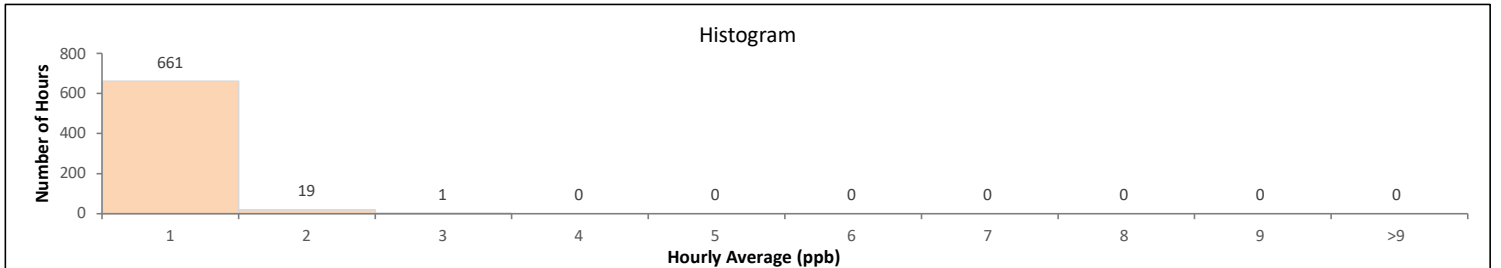
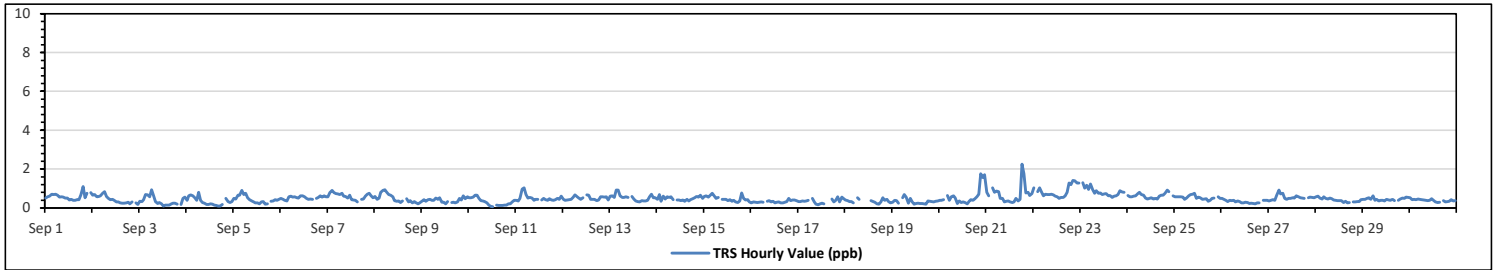
TOTAL REDUCED SULPHUR (TRS) in ppb

Maximum Hourly Value:	2.26	ppb	on Sep 21 at hr 18	Hours in Service:	720
Maximum Daily Value:	0.86	ppb	on Sep 22	Hours of Data:	681
Minimum Hourly Value:	0.06	ppb	on Sep 10 at hr 12	Hours of Missing Data:	3
Minimum Daily Value:	0.30	ppb	on Sep 10	Hours of Calibration:	36
Monthly Average:	0.48	ppb		Operational Uptime:	99.6

Day	0	1	2	3	4	5	6	7	8	9	Hourly Period Starting at (MST)													10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average
Sep 1	0.51	0.56	0.6	0.7	0.69	0.7	0.66	0.55	0.57	0.55	0.51	0.5	0.41	0.44	0.38	0.38	0.42	0.42	0.67	1.11	0.53	0.74	S	0.78	0.38	1.11	0.58													
Sep 2	0.65	0.69	0.58	0.59	0.63	0.76	0.83	0.59	0.48	0.42	0.44	0.39	0.31	0.3	0.25	0.24	0.24	0.25	0.29	0.22	0.3	S	0.25	0.18	0.18	0.83	0.43													
Sep 3	0.34	0.32	0.42	0.68	0.67	0.57	0.94	0.64	0.32	0.23	0.28	0.2	0.1	0.15	0.15	0.15	0.21	0.24	0.24	0.19	S	0.17	0.48	0.55	0.10	0.94	0.36													
Sep 4	0.39	0.61	0.67	0.62	0.52	0.38	0.81	0.4	0.28	0.24	0.17	0.17	0.21	0.19	0.14	0.12	0.09	0.1	0.17	S	0.49	0.32	0.28	0.33	0.09	0.81	0.33													
Sep 5	0.49	0.46	0.66	0.66	0.9	0.68	0.74	0.52	0.42	0.36	0.31	0.27	0.25	0.2	0.31	0.33	0.19	0.22	S	0.34	0.35	0.42	0.39	0.43	0.19	0.90	0.43													
Sep 6	0.48	0.44	0.4	0.35	0.56	0.6	0.55	0.57	0.52	0.5	0.63	0.62	0.56	0.48	0.44	0.46	0.43	S	0.49	0.54	0.63	0.55	0.63	0.56	0.35	0.63	0.52													
Sep 7	0.58	0.78	0.9	0.78	0.73	0.72	0.69	0.74	0.6	0.59	0.51	0.66	0.42	0.41	0.38	0.31	S	0.44	0.46	0.6	0.7	0.75	0.61	0.53	0.31	0.90	0.60													
Sep 8	0.59	0.44	0.51	0.79	0.9	0.93	0.81	0.69	0.65	0.56	0.37	0.34	0.36	0.28	0.35	S	0.47	0.31	0.37	0.25	0.33	0.27	0.2	0.28	0.20	0.93	0.48													
Sep 9	0.36	0.42	0.34	0.42	0.44	0.38	0.4	0.5	0.44	0.53	0.29	0.29	0.2	0.32	S	0.28	0.29	0.27	0.31	0.49	0.41	0.63	0.47	0.58	0.20	0.63	0.39													
Sep 10	0.53	0.53	0.55	0.65	0.66	0.49	0.37	0.36	0.32	0.27	0.15	0.08	0.06	S	0.14	0.13	0.13	0.13	0.14	0.14	0.2	0.2	0.31	0.4	0.06	0.66	0.30													
Sep 11	0.38	0.36	0.49	0.97	1.03	0.69	0.5	0.54	0.51	0.39	0.43	0.43	S	0.41	0.48	0.42	0.38	0.47	0.41	0.39	0.42	0.49	0.43	0.6	0.36	1.03	0.51													
Sep 12	0.45	0.4	0.41	0.42	0.45	0.54	0.67	0.58	0.5	0.44	0.53	S	0.67	0.65	0.43	0.43	0.44	0.37	0.41	0.58	0.58	0.55	0.56	0.41	0.37	0.67	0.50													
Sep 13	0.6	0.63	0.54	0.92	0.92	0.61	0.54	0.54	0.54	0.57	0.54	S	0.59	0.46	0.35	0.33	0.31	0.37	0.35	0.36	0.38	0.56	0.7	0.52	0.53	0.31	0.92	0.53												
Sep 14	0.45	0.69	0.34	0.6	0.46	0.57	0.54	0.57	0.42	S	0.41	0.41	0.37	0.41	0.34	0.44	0.35	0.42	0.47	0.53	0.59	0.55	0.66	0.49	0.34	0.69	0.48													
Sep 15	0.59	0.63	0.55	0.65	0.75	0.62	0.49	0.54	S	0.45	0.44	0.44	0.37	0.42	0.34	0.39	0.3	0.28	0.36	0.77	0.49	0.41	0.42	0.3	0.28	0.77	0.48													
Sep 16	0.27	0.3	0.29	0.28	0.29	0.3	0.29	S	0.34	0.37	0.3	0.34	0.26	0.29	0.3	0.25	0.27	0.29	0.32	0.48	0.37	0.41	0.41	0.37	0.25	0.48	0.32													
Sep 17	0.32	0.33	0.36	0.34	0.35	0.4	S	0.49	0.31	0.19	0.16	0.21	0.24	0.21	S	P	P	P	0.46	0.3	0.4	0.58	0.31	0.55	0.47	0.16	0.58	0.35												
Sep 18	0.41	0.37	0.32	0.33	0.25	S	0.52	0.43	C	C	C	C	C	C	P	0.33	0.29	0.21	0.19	0.3	0.53	0.38	0.44	0.32	0.26	0.19	0.53	0.35												
Sep 19	0.29	0.4	0.37	0.24	S	0.52	0.68	0.55	0.24	0.48	0.31	0.19	0.23	0.24	0.23	0.23	0.2	0.19	0.36	0.34	0.33	0.3	0.34	0.35	0.19	0.68	0.33													
Sep 20	0.38	0.38	0.42	S	0.64	0.39	0.58	0.61	0.53	0.23	0.36	0.28	0.3	0.28	0.21	0.34	0.42	0.4	0.47	0.58	0.7	1.76	1.56	1.71	0.21	1.76	0.59													
Sep 21	0.79	0.63	S	1.04	0.79	0.87	0.84	0.48	0.49	0.31	0.34	0.35	0.31	0.28	0.31	0.48	0.36	0.44	2.26	1.76	0.77	0.81	0.64	0.73	0.28	2.26	0.70													
Sep 22	1.04	S	0.83	1.03	0.82	0.63	0.71	0.68	0.69	0.7	0.67	0.6	0.57	0.48	0.54	0.54	0.61	0.81	1.29	1.19	1.42	1.4	1.29	1.27	0.48	1.42	0.86													
Sep 23	S	1.3	1.01	1.17	0.95	1.23	0.93	0.75	0.88	0.76	0.77	0.69	0.72	0.73	0.62	0.64	0.54	0.6	0.61	0.69	0.88	0.82	0.81	S	0.54	1.30	0.82													
Sep 24	0.64	0.56	0.57	0.6	0.63	0.73	0.8	0.69	0.65	0.51	0.46	0.48	0.52	0.46	0.49	0.46	0.6	0.65	0.65	0.74	0.91	0.83	S	0.61	0.46	0.91	0.62													
Sep 25	0.56	0.56	0.57	0.58	0.55	0.44	0.5	0.61	0.68	0.7	0.76	0.49	0.55	0.53	0.45	0.46	0.47	0.34	0.38	0.48	0.5	S	0.56	0.48	0.34	0.76	0.53													
Sep 26	0.49	0.45	0.38	0.32	0.4	0.37	0.38	0.31	0.35	0.32	0.27	0.25	0.29	0.28	0.23	0.24	0.23	0.22	0.27	0.25	S	0.39	0.4	0.38	0.22	0.49	0.32													
Sep 27	0.36	0.38	0.42	0.39	0.65	0.92	0.72	0.74	0.48	0.45	0.48	0.48	0.52	0.51	0.61	0.57	0.53	0.5	0.49	S	0.52	0.55	0.54	0.52	0.36	0.92	0.54													
Sep 28	0.57	0.6	0.51	0.46	0.57	0.49	0.46	0.51	0.47	0.41	0.38	0.37	0.37	0.37	0.28	0.34	0.26	0.28	S	0.3	0.31	0.32	0.32	0.42	0.26	0.60	0.41													
Sep 29	0.43	0.43	0.48	0.52	0.45	0.62	0.4	0.44	0.35	0.38	0.4	0.36	0.43	0.41	0.4	0.43	0.37	S	0.4	0.46	0.51	0.48	0.55	0.54	0.35	0.62	0.45													
Sep 30	0.52	0.42	0.44	0.42	0.46	0.43	0.42	0.41	0.4	0.37	0.38	0.47	0.37	0.3	0.28	0.29	S	0.37	0.3	0.33	0.34	0.42	0.36	0.37	0.28	0.52	0.39													
Diurnal Maximum	1.04	1.30	1.01	1.17	1.03	1.23	0.94	0.75	0.88	0.76	0.77	0.69	0.72	0.73	0.62	0.64	0.61	0.81	2.26	1.76	1.42	1.76	1.56	1.71																
Diurnal Average	0.50	0.52	0.51	0.60	0.62	0.61	0.61	0.55	0.48	0.44	0.41	0.39	0.37	0.37	0.35	0.36	0.35	0.36	0.48	0.54	0.54	0.57	0.53	0.53																

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

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

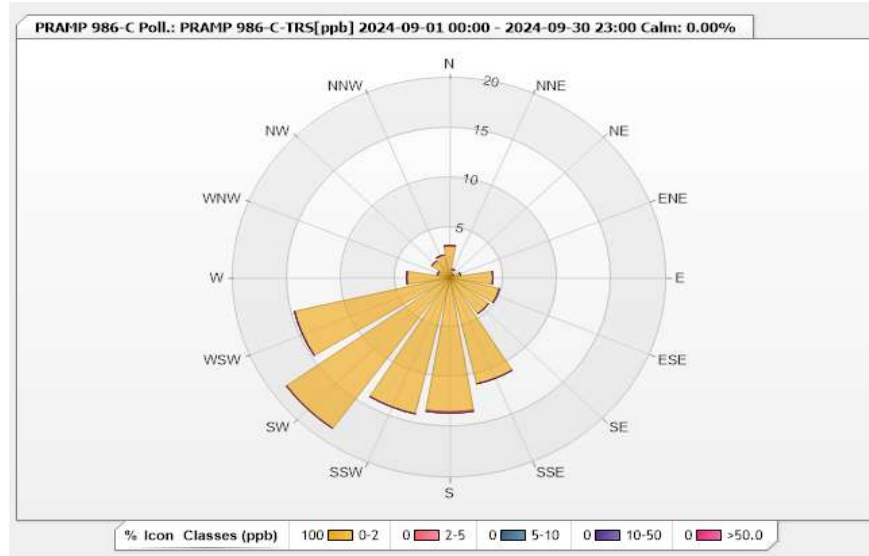


Station: PRAMP 986-C Poll.: PRAMP 986-C-TRS[ppb] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 94.31% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	3.24	0	0	0	0	3.24
NNE	0.88	0	0	0	0	0.88
NE	0.44	0	0	0	0	0.44
ENE	1.03	0	0	0	0	1.03
E	3.98	0	0	0	0	3.98
ESE	4.71	0	0	0	0	4.71
SE	4.42	0	0	0	0	4.42
SSE	10.9	0	0	0	0	10.9
S	13.4	0.15	0	0	0	13.55
SSW	13.99	0	0	0	0	13.99
SW	18.56	0	0	0	0	18.56
WSW	14.73	0	0	0	0	14.73
W	3.98	0	0	0	0	3.98
WNW	1.18	0	0	0	0	1.18
NW	2.06	0	0	0	0	2.06
NNW	2.36	0	0	0	0	2.36
Summary	100	0.15	0	0	0	100



Peace River Area Monitoring Program

986-C Station - September 2024

Summary of Hourly Averages

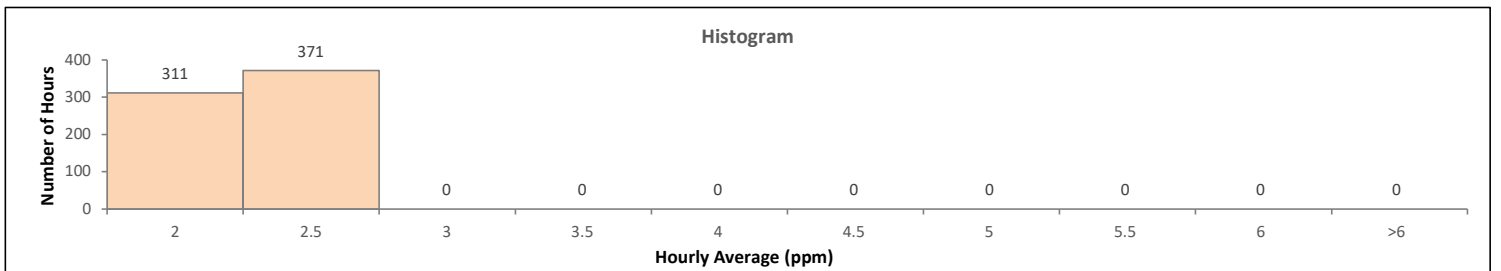
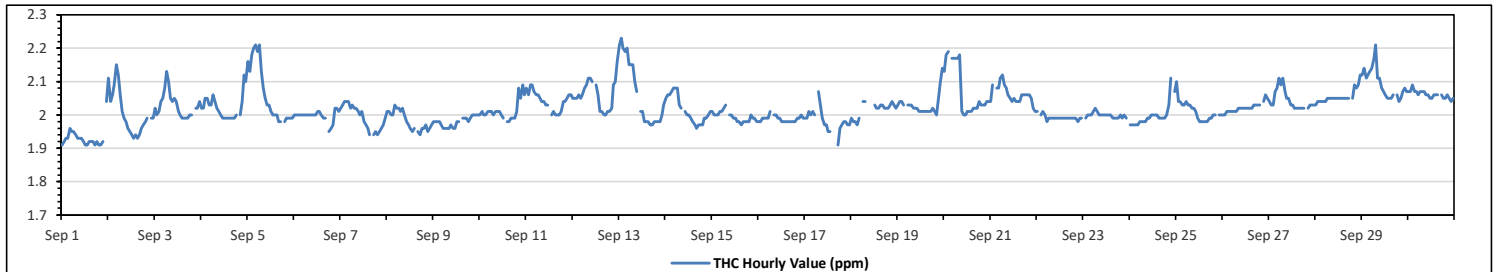
TOTAL HYDROCARBONS (THC) in ppm

Maximum Hourly Value:	2.23	ppm	on Sep 13 at hr 1	Hours in Service:	720
Maximum Daily Value:	2.09	ppm	on Sep 29	Hours of Data:	682
Minimum Hourly Value:	1.91	ppm	on Sep 1 at hr 0	Hours of Missing Data:	3
Minimum Daily Value:	1.93	ppm	on Sep 1	Hours of Calibration:	35
Monthly Average:	2.02	ppm		Operational Uptime:	99.6

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22				23	
Sep 1	1.91	1.92	1.93	1.93	1.96	1.95	1.95	1.94	1.93	1.93	1.93	1.92	1.91	1.91	1.92	1.92	1.92	1.91	1.92	1.91	1.91	1.92	S	2.04	1.91	2.04	1.93	
Sep 2	2.11	2.04	2.06	2.09	2.15	2.12	2.06	2.01	1.99	1.98	1.96	1.95	1.94	1.93	1.94	1.93	1.94	1.96	1.97	1.98	1.99	S	1.99	1.99	1.93	2.15	2.00	
Sep 3	2.02	2.00	2.01	2.04	2.05	2.08	2.13	2.10	2.05	2.04	2.05	2.04	2.01	2.00	1.99	1.99	1.99	1.99	2.00	2.00	S	2.02	2.02	2.04	1.99	2.13	2.03	
Sep 4	2.02	2.02	2.05	2.05	2.03	2.03	2.06	2.04	2.02	2.01	2.00	1.99	1.99	1.99	1.99	1.99	1.99	2.00	S	2.00	2.04	2.12	2.10	1.99	2.12	2.02		
Sep 5	2.16	2.13	2.18	2.20	2.21	2.19	2.21	2.13	2.08	2.05	2.03	2.03	2.01	2.00	2.00	2.00	1.98	1.98	S	1.98	1.99	1.99	1.99	1.99	1.98	2.21	2.07	
Sep 6	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.00	1.99	1.99	S	1.95	1.96	1.97	2.02	2.02	2.01	1.95	2.02	2.00	
Sep 7	2.02	2.03	2.04	2.04	2.04	2.02	2.03	2.02	2.02	2.01	2.00	2.01	1.98	1.97	1.96	1.94	S	1.94	1.95	1.94	1.95	1.96	1.97	1.99	1.94	2.04	1.99	
Sep 8	2.01	2.01	2.00	2.00	2.03	2.02	2.02	2.01	2.02	2.00	1.98	1.97	1.96	1.95	1.96	S	1.95	1.94	1.96	1.96	1.97	1.95	1.96	1.97	1.94	2.03	1.98	
Sep 9	1.98	1.98	1.98	1.98	1.97	1.96	1.96	1.96	1.96	1.97	1.96	1.96	1.98	1.98	S	1.99	1.99	1.99	1.98	1.99	2.00	2.00	2.00	2.00	1.96	2.00	1.98	
Sep 10	2.00	2.01	2.00	2.00	2.01	2.01	2.01	2.00	2.01	2.01	2.01	2.00	1.99	S	1.98	1.98	1.99	1.99	1.99	2.01	2.08	2.05	2.09	2.06	1.98	2.09	2.01	
Sep 11	2.08	2.06	2.09	2.09	2.07	2.06	2.06	2.05	2.04	2.04	2.03	2.03	S	2.00	2.01	2.00	2.00	2.00	2.01	2.04	2.04	2.05	2.06	2.06	2.00	2.09	2.04	
Sep 12	2.05	2.05	2.05	2.06	2.05	2.06	2.08	2.09	2.11	2.11	2.10	S	2.09	2.06	2.01	2.01	2.00	2.00	2.01	2.01	2.02	2.09	2.10	2.16	2.00	2.16	2.06	
Sep 13	2.21	2.23	2.20	2.19	2.20	2.15	2.15	2.15	2.10	2.07	S	2.01	2.01	1.98	1.98	1.98	1.97	1.97	1.98	1.98	1.98	1.98	2.00	2.03	1.97	2.23	2.07	
Sep 14	2.05	2.06	2.06	2.07	2.08	2.08	2.08	2.03	2.02	S	2.01	2.00	2.00	1.99	1.98	1.97	1.96	1.97	1.97	1.97	1.99	1.99	2.00	2.01	1.96	2.08	2.01	
Sep 15	2.01	2.00	2.00	2.00	2.01	2.01	2.02	2.03	S	2.00	2.00	1.99	1.99	1.98	1.98	1.97	1.98	1.98	1.98	1.98	2.00	1.99	1.99	1.98	1.97	2.03	1.99	
Sep 16	1.98	1.98	1.99	1.99	1.99	1.99	2.01	S	2.00	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	1.99	2.00	1.99	1.98	2.01	1.99	
Sep 17	1.99	1.99	2.01	2.00	2.01	2.00	S	2.07	2.03	1.99	1.97	1.97	1.95	1.95	P	P	P	2.01	1.96	1.97	1.98	1.98	1.97	1.97	1.91	2.07	1.98	
Sep 18	1.99	1.98	1.98	1.97	1.99	S	2.04	2.04	C	C	C	C	2.03	2.02	2.02	2.03	2.03	2.02	2.02	2.02	2.03	2.04	2.03	2.02	1.97	2.04	2.02	
Sep 19	2.03	2.04	2.04	2.03	S	2.03	2.03	2.03	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.01	2.00	2.05	2.10	2.14	2.00	2.14	2.03	
Sep 20	2.13	2.18	2.19	S	2.17	2.17	2.17	2.17	2.18	2.01	2.00	2.00	2.00	2.01	2.01	2.01	2.02	2.02	2.02	2.04	2.03	2.03	2.03	2.04	2.04	2.00	2.19	2.07
Sep 21	2.04	2.09	S	2.08	2.08	2.11	2.12	2.09	2.08	2.06	2.05	2.04	2.05	2.04	2.04	2.04	2.06	2.06	2.06	2.06	2.06	2.05	2.02	2.01	2.01	2.12	2.06	
Sep 22	2.01	S	2.00	2.01	2.00	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.99	1.98	2.01	1.99	
Sep 23	S	1.99	2.00	2.00	2.00	2.00	2.01	2.02	2.01	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	2.00	1.99	2.00	1.99	S	1.98	2.02	2.00	
Sep 24	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.99	1.99	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	2.00	2.03	2.11	S	2.07	1.97	2.11	2.00	
Sep 25	2.10	2.04	2.04	2.03	2.03	2.04	2.03	2.03	2.02	2.02	2.01	1.99	1.98	1.98	1.98	1.98	1.98	1.99	1.99	2.00	2.00	S	2.00	2.00	1.98	2.10	2.01	
Sep 26	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.03	S	2.04	2.06	2.05	2.00	2.06	2.02	
Sep 27	2.04	2.03	2.03	2.07	2.08	2.11	2.09	2.11	2.07	2.05	2.05	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.02	S	2.02	2.03	2.03	2.03	2.02	2.11	2.04	
Sep 28	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	2.05	2.05	2.05	2.05	2.05	S	2.05	2.09	2.08	2.09	2.12	2.03	2.12	2.05	
Sep 29	2.12	2.14	2.11	2.12	2.13	2.14	2.17	2.21	2.11	2.11	2.08	2.07	2.06	2.05	2.05	2.06	S	2.06	2.04	2.05	2.07	2.08	2.07	2.04	2.21	2.09		
Sep 30	2.07	2.07	2.09	2.07	2.07	2.06	2.07	2.07	2.06	2.06	2.05	2.05	2.06	2.06	2.06	2.06	S	2.06	2.05	2.05	2.06	2.05	2.04	2.05	2.04	2.09	2.06	
Diurnal Maximum	2.21	2.23	2.20	2.20	2.21	2.19	2.21	2.21	2.18	2.11	2.10	2.07	2.09	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.09	2.11	2.12	2.16				
Diurnal Average	2.04	2.04	2.04	2.04	2.05	2.05	2.06	2.05	2.03	2.02	2.01	2.00	2.00	2.00	2.00	2.00	1.99	1.99	2.00	2.00	2.01	2.02	2.03	2.03				

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

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

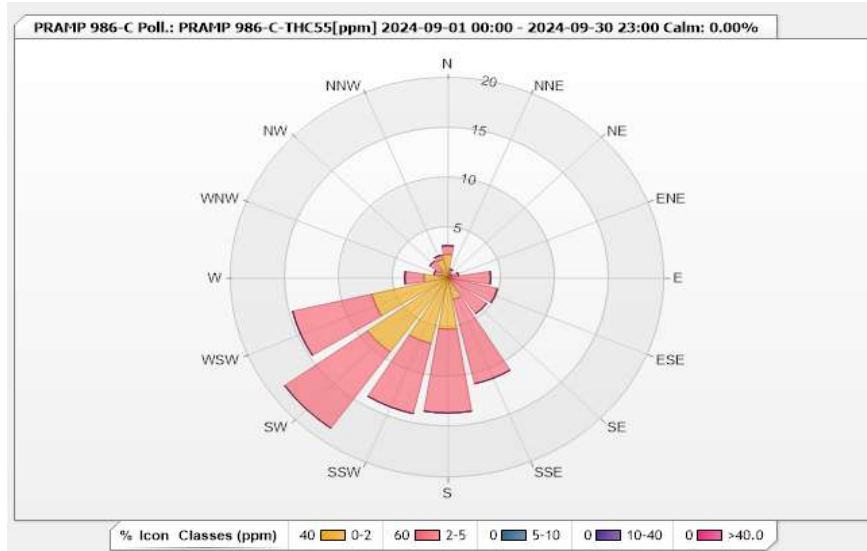


Station: PRAMP 986-C Poll.: PRAMP 986-C-THC55[ppm] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 94.44% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	2.35	0.88	0	0	0	3.23
NNE	0.29	0.59	0	0	0	0.88
NE	0	0.44	0	0	0	0.44
ENE	0.15	0.88	0	0	0	1.03
E	0.29	3.68	0	0	0	3.97
ESE	0.15	4.56	0	0	0	4.71
SE	0.29	4.12	0	0	0	4.41
SSE	2.21	8.68	0	0	0	10.89
S	5.15	8.38	0	0	0	13.53
SSW	6.76	7.21	0	0	0	13.97
SW	9.12	9.41	0	0	0	18.53
WSW	7.21	7.5	0	0	0	14.71
W	2.21	1.76	0	0	0	3.97
WNW	0.59	0.74	0	0	0	1.33
NW	0.88	1.18	0	0	0	2.06
NNW	1.91	0.44	0	0	0	2.35
Summary	39.56	60.45	0	0	0	100



Peace River Area Monitoring Program

986-C Station - September 2024

Summary of Hourly Averages

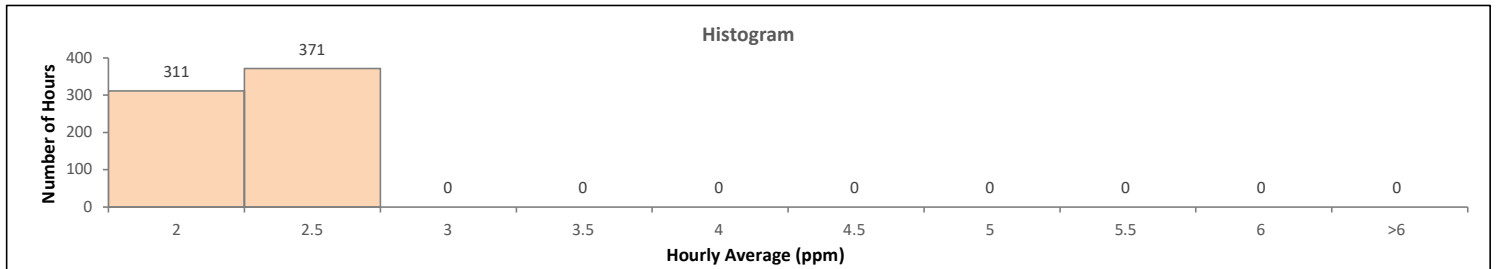
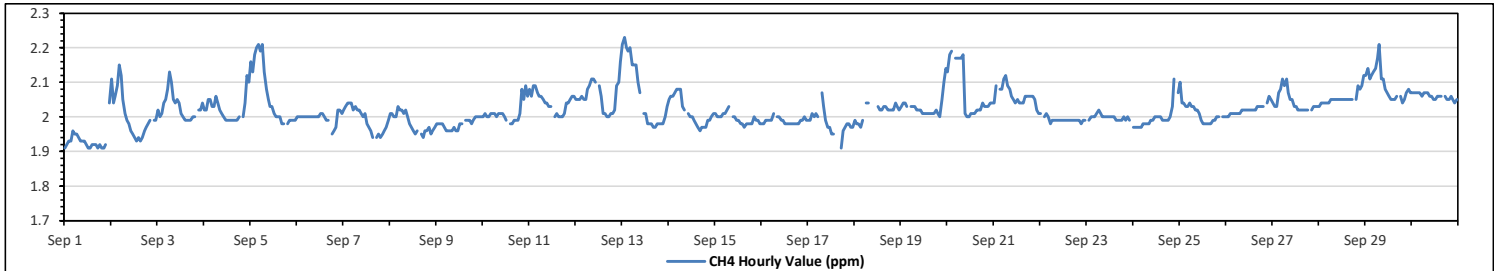
METHANE (CH4) in ppm

Maximum Hourly Value:	2.23	ppm	on Sep 13 at hr 1	Hours in Service:	720
Maximum Daily Value:	2.09	ppm	on Sep 29	Hours of Data:	682
Minimum Hourly Value:	1.91	ppm	on Sep 1 at hr 0	Hours of Missing Data:	3
Minimum Daily Value:	1.93	ppm	on Sep 1	Hours of Calibration:	35
Monthly Average:	2.02	ppm		Operational Uptime:	99.6

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
Sep 1	1.91	1.92	1.93	1.93	1.96	1.95	1.95	1.94	1.93	1.93	1.93	1.92	1.91	1.91	1.92	1.92	1.92	1.91	1.92	1.91	1.91	1.92	S	2.04	1.91	2.04	1.93	
Sep 2	2.11	2.04	2.06	2.09	2.15	2.12	2.05	2.01	1.99	1.98	1.96	1.95	1.94	1.93	1.94	1.93	1.94	1.96	1.97	1.98	1.99	S	1.99	1.99	1.93	2.15	2.00	
Sep 3	2.02	2.00	2.01	2.04	2.05	2.08	2.13	2.10	2.05	2.04	2.05	2.04	2.01	2.00	1.99	1.99	1.99	1.99	2.00	2.00	S	2.02	2.02	2.04	1.99	2.13	2.03	
Sep 4	2.02	2.02	2.05	2.05	2.03	2.03	2.06	2.04	2.02	2.01	2.00	1.99	1.99	1.99	1.99	1.99	1.99	2.00	S	2.00	2.04	2.12	2.10	1.99	2.12	2.02		
Sep 5	2.16	2.13	2.18	2.20	2.21	2.19	2.21	2.13	2.08	2.05	2.03	2.03	2.01	2.00	2.00	2.00	1.98	1.98	S	1.98	1.99	1.99	1.99	1.99	1.98	2.21	2.07	
Sep 6	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.00	1.99	1.99	S	1.95	1.96	1.97	2.02	2.02	2.01	1.95	2.02	2.00	
Sep 7	2.02	2.03	2.04	2.04	2.04	2.02	2.03	2.02	2.02	2.01	2.00	2.01	1.98	1.97	1.96	1.94	S	1.94	1.95	1.94	1.95	1.96	1.97	1.99	1.94	2.04	1.99	
Sep 8	2.01	2.01	2.00	2.00	2.03	2.02	2.02	2.01	2.02	2.00	1.98	1.97	1.96	1.95	1.96	S	1.95	1.94	1.96	1.96	1.97	1.95	1.96	1.97	1.94	2.03	1.98	
Sep 9	1.98	1.98	1.98	1.98	1.97	1.96	1.96	1.96	1.96	1.97	1.96	1.96	1.98	1.98	S	1.99	1.99	1.99	1.98	1.99	2.00	2.00	2.00	2.00	1.96	2.00	1.98	
Sep 10	2.00	2.01	2.00	2.00	2.01	2.01	2.01	2.00	2.01	2.01	2.01	2.00	1.99	S	1.98	1.98	1.99	1.99	1.99	2.01	2.08	2.05	2.09	2.06	1.98	2.09	2.01	
Sep 11	2.08	2.06	2.09	2.09	2.07	2.06	2.06	2.05	2.04	2.04	2.03	2.03	S	2.00	2.01	2.00	2.00	2.00	2.01	2.04	2.04	2.05	2.06	2.06	2.00	2.09	2.04	
Sep 12	2.05	2.05	2.05	2.06	2.05	2.05	2.08	2.09	2.11	2.11	2.10	S	2.09	2.06	2.01	2.01	2.00	2.00	2.01	2.01	2.02	2.09	2.10	2.16	2.00	2.16	2.06	
Sep 13	2.21	2.23	2.20	2.19	2.20	2.15	2.15	2.15	2.10	2.07	S	2.01	2.01	1.98	1.98	1.98	1.97	1.97	1.98	1.98	1.98	1.98	2.00	2.03	1.97	2.23	2.07	
Sep 14	2.05	2.06	2.06	2.07	2.08	2.08	2.08	2.03	2.02	S	2.01	2.00	2.00	1.99	1.98	1.97	1.96	1.97	1.97	1.97	1.99	1.99	2.00	2.01	1.96	2.08	2.01	
Sep 15	2.01	2.00	2.00	2.00	2.01	2.01	2.02	2.03	S	2.00	2.00	1.99	1.99	1.98	1.98	1.97	1.98	1.98	1.98	1.98	2.00	1.99	1.99	1.98	1.97	2.03	1.99	
Sep 16	1.98	1.98	1.99	1.99	1.99	1.99	2.01	S	2.00	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	1.99	2.00	1.99	1.98	2.01	1.99	
Sep 17	1.99	1.99	2.01	2.00	2.01	2.00	S	2.07	2.03	1.99	1.97	1.97	1.95	1.95	P	P	P	1.91	1.96	1.97	1.98	1.98	1.97	1.97	1.91	2.07	1.98	
Sep 18	1.99	1.98	1.98	1.97	1.99	S	2.04	2.04	C	C	C	C	2.03	2.02	2.02	2.03	2.03	2.02	2.02	2.02	2.02	2.04	2.03	2.02	1.97	2.04	2.02	
Sep 19	2.03	2.04	2.04	2.03	S	2.03	2.03	2.03	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.01	2.00	2.05	2.10	2.14	2.00	2.14	2.03	
Sep 20	2.13	2.18	2.19	S	2.17	2.17	2.17	2.17	2.18	2.01	2.00	2.00	2.00	2.01	2.01	2.01	2.02	2.02	2.02	2.04	2.03	2.03	2.03	2.04	2.00	2.19	2.07	
Sep 21	2.04	2.09	S	2.08	2.08	2.11	2.12	2.09	2.08	2.06	2.05	2.04	2.05	2.04	2.04	2.04	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.02	2.01	2.01	2.12	2.06
Sep 22	2.01	S	2.00	2.01	2.00	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.99	1.98	2.01	1.99	
Sep 23	S	1.99	2.00	2.00	2.00	2.00	2.01	2.02	2.01	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	2.00	1.99	2.00	1.99	S	1.99	2.02	2.00	
Sep 24	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.99	1.99	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	2.00	2.03	2.11	S	2.07	1.97	2.11	2.00	
Sep 25	2.10	2.04	2.04	2.03	2.03	2.04	2.03	2.03	2.02	2.02	2.01	1.99	1.98	1.98	1.98	1.98	1.98	1.99	1.99	2.00	2.00	S	2.00	2.00	1.98	2.10	2.01	
Sep 26	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	S	2.04	2.06	2.05	2.00	2.06	2.02		
Sep 27	2.04	2.03	2.03	2.07	2.08	2.11	2.09	2.11	2.07	2.05	2.05	2.03	2.03	2.02	2.02	2.02	2.02	2.02	S	2.05	2.03	2.03	2.03	2.03	2.02	2.11	2.04	
Sep 28	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	2.05	2.05	2.05	2.05	2.05	S	2.09	2.08	2.08	2.09	2.12	2.03	2.12	2.05	
Sep 29	2.12	2.14	2.11	2.12	2.13	2.14	2.17	2.21	2.11	2.11	2.08	2.07	2.06	2.05	2.05	2.06	S	2.06	2.04	2.04	2.05	2.07	2.08	2.07	2.04	2.21	2.09	
Sep 30	2.07	2.07	2.07	2.07	2.07	2.06	2.07	2.07	2.06	2.06	2.05	2.05	2.06	2.06	2.06	2.06	S	2.06	2.05	2.05	2.06	2.05	2.04	2.05	2.04	2.07	2.06	
Diurnal Maximum	2.21	2.23	2.20	2.20	2.21	2.19	2.21	2.21	2.18	2.11	2.10	2.07	2.09	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.09	2.11	2.12	2.16				
Diurnal Average	2.04	2.04	2.04	2.04	2.05	2.05	2.05	2.03	2.02	2.01	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	2.00	2.01	2.02	2.03	2.03					

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

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

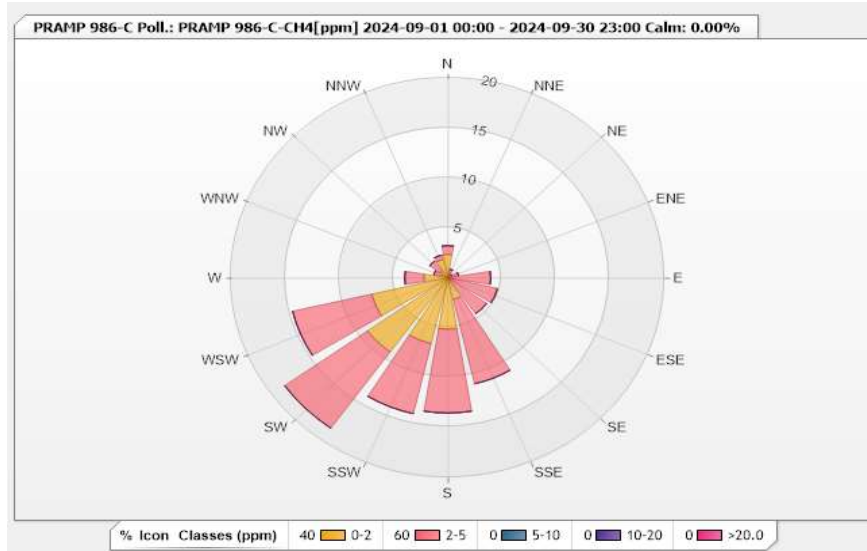


Station: PRAMP 986-C Poll.: PRAMP 986-C-CH4[ppm] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 94.44% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	2.35	0.88	0	0	0	3.23
NNE	0.29	0.59	0	0	0	0.88
NE	0	0.44	0	0	0	0.44
ENE	0.15	0.88	0	0	0	1.03
E	0.29	3.68	0	0	0	3.97
ESE	0.15	4.56	0	0	0	4.71
SE	0.29	4.12	0	0	0	4.41
SSE	2.21	8.68	0	0	0	10.89
S	5.15	8.38	0	0	0	13.53
SSW	6.76	7.21	0	0	0	13.97
SW	9.12	9.41	0	0	0	18.53
WSW	7.21	7.5	0	0	0	14.71
W	2.21	1.76	0	0	0	3.97
WNW	0.59	0.74	0	0	0	1.33
NW	0.88	1.18	0	0	0	2.06
NNW	1.91	0.44	0	0	0	2.35
Summary	39.56	60.45	0	0	0	100



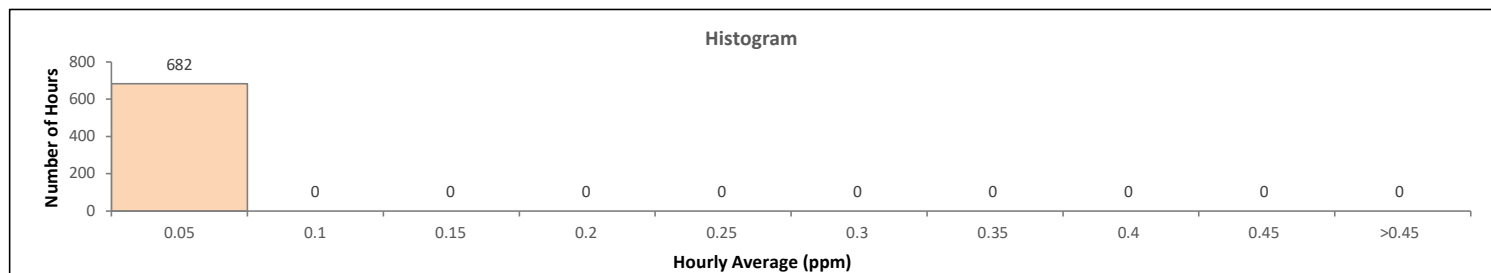
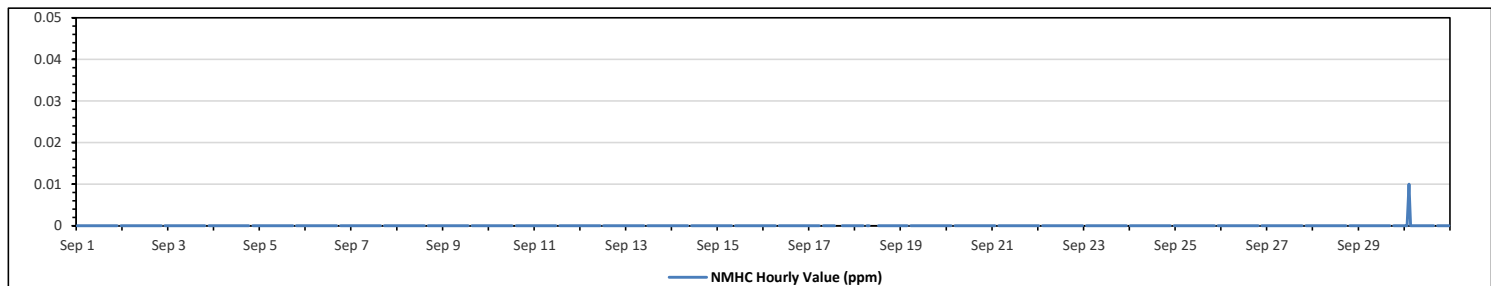
Peace River Area Monitoring Program

986-C Station - September 2024

Summary of Hourly Averages

NON-METHANE HYDROCARBONS (NMHC) in ppm

Maximum Hourly Value:	0.01	ppm	on Sep 30 at hr 2													Hours in Service:	720										
Maximum Daily Value:	0.00	ppm	on Sep 30													Hours of Data:	682										
Minimum Hourly Value:	0.00	ppm	on Sep 1 at hr 0													Hours of Missing Data:	3										
Minimum Daily Value:	0.00	ppm	on Sep 1													Hours of Calibration:	35										
Monthly Average:	0.00	ppm														Operational Uptime:	99.6										
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average
Sep 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	
Sep 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	
Sep 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 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	0.00	0.00	0.00	
Sep 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	0.00	0.00	0.00	0.00	
Sep 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	0.00	0.00	0.00	
Sep 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	P	P	P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 18	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	0.00	0.00	0.00	0.00	
Sep 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	0.00	0.00	0.00	0.00	0.00	
Sep 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	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 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	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	
Sep 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	
Sep 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	
Sep 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	
Sep 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 30	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Diurnal Maximum	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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.																											

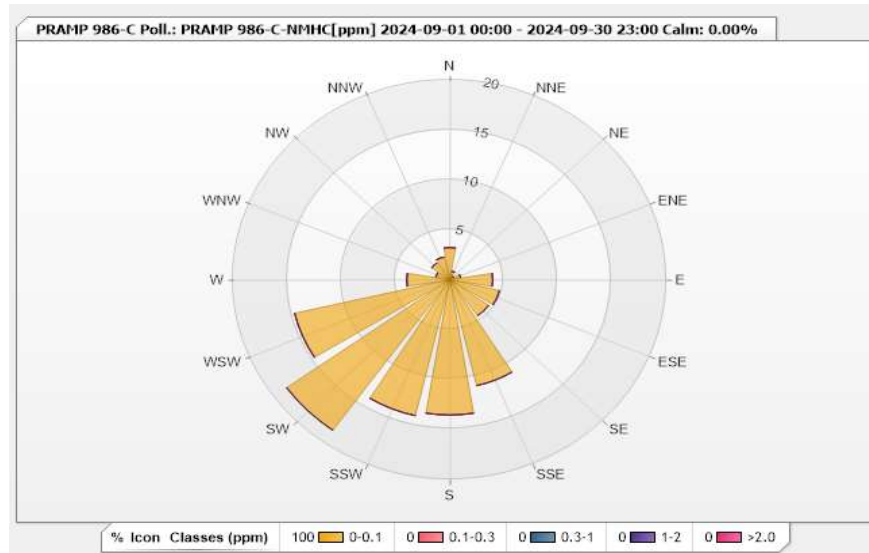


Station: PRAMP 986-C Poll.: PRAMP 986-C-NMHC[ppm] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 94.44% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	3.24	0	0	0	0	3.24
NNE	0.88	0	0	0	0	0.88
NE	0.44	0	0	0	0	0.44
ENE	1.03	0	0	0	0	1.03
E	3.97	0	0	0	0	3.97
ESE	4.71	0	0	0	0	4.71
SE	4.41	0	0	0	0	4.41
SSE	10.88	0	0	0	0	10.88
S	13.53	0	0	0	0	13.53
SSW	13.97	0	0	0	0	13.97
SW	18.53	0	0	0	0	18.53
WSW	14.71	0	0	0	0	14.71
W	3.97	0	0	0	0	3.97
WNW	1.32	0	0	0	0	1.32
NW	2.06	0	0	0	0	2.06
NNW	2.35	0	0	0	0	2.35
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - September 2024

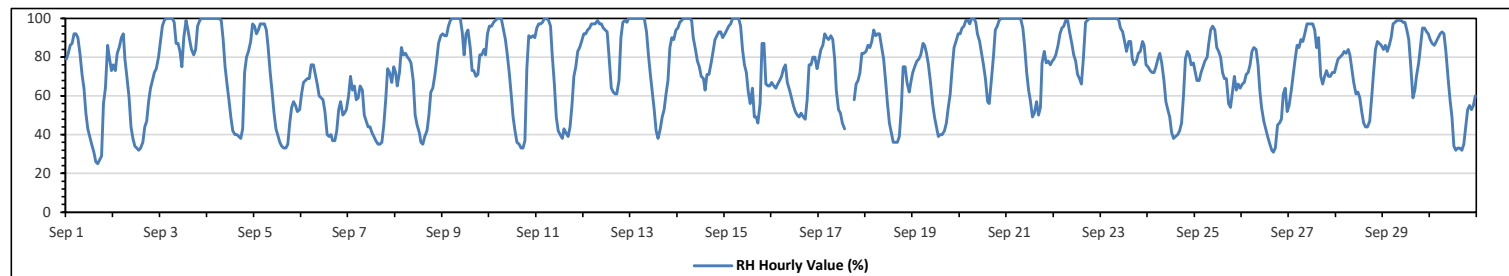
Summary of Hourly Averages

RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:				100	%	on Sep 3 at hr 3				Hours in Service:				720															
Maximum Daily Value:				92.9	%	on Sep 3				Hours of Data:				716															
Minimum Hourly Value:				25	%	on Sep 1 at hr 16				Hours of Missing Data:				4															
Minimum Daily Value:				54.3	%	on Sep 7				Hours of Calibration:				0															
Monthly Average:				73.6	%					Operational Uptime:				99.4															
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					
Sep 1	79	82	86	87	92	92	90	81	71	64	51	43	39	35	31	26	25	27	29	56	64	86	79	73	25	92	62.0		
Sep 2	76	73	82	85	90	92	79	70	59	44	38	34	33	32	33	36	44	47	57	64	68	72	74	80	32	92	60.9		
Sep 3	88	96	99	100	100	100	100	98	87	87	83	75	90	99	94	89	84	81	84	96	99	100	100	100	75	100	92.9		
Sep 4	100	100	100	100	100	100	100	99	89	75	66	58	49	42	40	40	39	38	43	72	80	83	88	97	38	100	74.9		
Sep 5	96	92	94	97	97	97	94	86	72	62	51	43	39	36	34	33	33	35	46	54	57	55	52	53	33	97	62.8		
Sep 6	61	67	68	69	69	76	76	71	66	60	59	58	52	40	39	40	37	37	42	53	57	50	51	53	37	76	56.3		
Sep 7	60	70	63	65	58	59	65	63	50	47	44	44	41	39	37	35	35	36	45	58	74	72	67	75	35	75	54.3		
Sep 8	72	65	72	85	81	82	80	79	77	68	50	45	41	36	35	39	42	50	62	64	70	78	87	91	35	91	64.6		
Sep 9	92	91	91	96	99	100	100	100	100	100	93	81	92	94	85	73	73	70	71	81	81	84	81	92	70	100	88.3		
Sep 10	96	96	98	99	100	100	100	95	89	81	72	61	49	42	36	35	33	33	37	74	91	90	91	90	33	100	74.5		
Sep 11	95	97	97	98	100	100	99	96	82	66	49	42	40	38	43	41	39	44	55	70	75	83	85	88	38	100	71.8		
Sep 12	92	92	94	95	97	97	97	99	97	97	95	94	93	80	64	62	61	61	68	90	98	99	98	100	61	100	88.3		
Sep 13	100	100	100	100	100	100	100	100	100	93	81	71	62	53	42	38	43	49	53	61	68	85	90	89	94	38	100	78.0	
Sep 14	95	98	99	100	100	100	100	100	99	90	84	78	75	70	69	63	71	71	77	83	89	91	93	93	90	63	100	86.6	
Sep 15	92	94	96	97	100	100	100	100	96	84	76	72	62	56	64	49	49	46	56	87	87	66	65	65	46	100	77.5		
Sep 16	67	65	64	66	68	70	74	76	67	63	59	55	52	50	49	51	49	48	58	76	76	80	80	74	48	80	64.0		
Sep 17	79	84	86	92	90	89	91	89	79	63	53	51	46	43	P	P	P	Y	58	66	68	72	82	82	43	92	73.2		
Sep 18	83	86	85	88	94	91	92	92	85	79	68	56	46	41	36	36	36	39	53	75	75	67	62	68	36	94	68.0		
Sep 19	72	75	78	79	81	87	86	82	76	66	56	49	44	39	40	40	42	46	54	61	74	85	88	92	39	92	66.3		
Sep 20	92	95	96	99	99	97	100	100	98	92	88	82	76	69	57	56	67	80	94	96	99	100	100	100	56	100	88.8		
Sep 21	100	100	100	100	100	100	100	100	95	85	72	63	57	49	51	57	50	54	77	83	77	78	76	78	49	100	79.3		
Sep 22	79	81	86	92	95	96	99	99	93	87	81	78	71	69	66	79	98	99	100	100	100	100	100	100	66	100	89.5		
Sep 23	100	100	100	100	100	100	100	100	100	99	95	93	88	83	88	88	79	76	78	82	83	88	86	76	76	100	90.9		
Sep 24	75	73	72	72	75	79	82	77	68	57	53	49	41	38	39	40	42	46	60	79	83	81	76	77	38	83	63.9		
Sep 25	72	68	68	72	75	78	80	87	94	96	94	85	83	80	72	69	69	56	54	62	70	63	66	64	54	96	74.0		
Sep 26	66	67	71	72	76	83	85	84	76	62	54	47	43	39	35	32	31	33	45	46	48	61	64	52	31	85	57.2		
Sep 27	55	63	71	79	86	85	89	88	92	97	97	97	97	94	85	90	70	66	70	73	70	70	72	72	55	97	80.3		
Sep 28	76	79	80	81	83	82	84	81	74	67	61	62	59	52	46	44	44	47	59	72	84	88	87	86	44	88	69.9		
Sep 29	84	86	83	86	90	97	98	99	99	99	98	98	94	89	76	59	63	70	77	86	95	95	93	92	59	99	87.8		
Sep 30	89	87	86	88	90	92	93	92	83	69	58	49	34	32	33	33	32	35	44	53	55	53	55	60	32	93	62.3		
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	98	98	97	99	94	90	98	99	100	100	100	100	100	100	100				
Diurnal Average	82.8	84.1	85.5	88.0	89.5	90.7	91.1	89.4	83.2	76.0	68.8	63.4	59.1	54.9	52.0	51.2	51.2	52.8	60.7	72.9	77.8	79.4	79.6	80.5					
C	Monthly Calibration							S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error							ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction / Recovery)							NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																													
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																													

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 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 - September 2024

Summary of Hourly Averages

BAROMETRIC PRESSURE (BP) in millibar

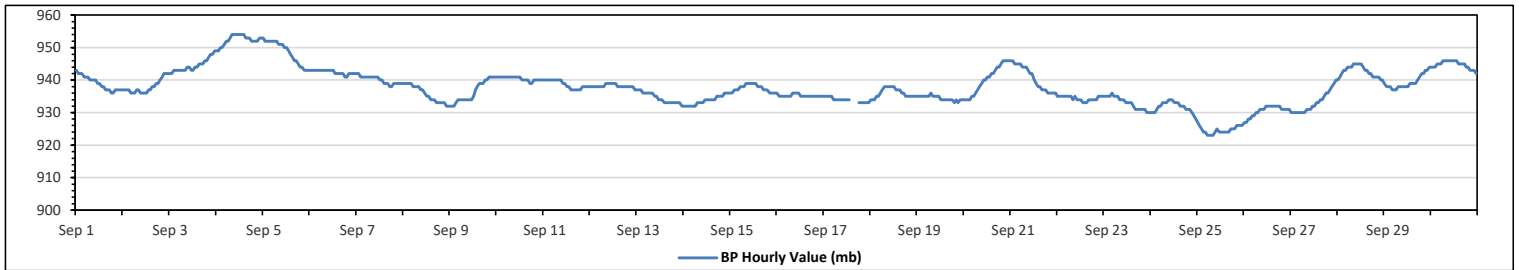
Maximum Hourly Value:	954	mb	on Sep 4 at hr 8	Hours in Service:	720
Maximum Daily Value:	952	mb	on Sep 4	Hours of Data:	716
Minimum Hourly Value:	923	mb	on Sep 25 at hr 5	Hours of Missing Data:	4
Minimum Daily Value:	925	mb	on Sep 25	Hours of Calibration:	0
Monthly Average:	938	mb		Operational Uptime:	99.4

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Sep 1	943	942	942	942	941	941	941	940	940	940	939	939	938	938	937	937	937	936	936	937	937	937	937	937	936	943	939
Sep 2	937	937	937	937	936	936	936	937	937	936	936	936	936	937	937	938	938	939	939	940	941	942	942	942	936	942	938
Sep 3	942	942	943	943	943	943	943	943	943	944	944	943	943	944	944	945	945	945	946	946	947	948	948	949	942	949	944
Sep 4	949	949	950	950	951	952	952	953	954	954	954	954	954	954	954	953	953	953	952	952	952	952	953	953	949	954	952
Sep 5	953	952	952	952	952	952	952	952	951	951	951	950	950	949	948	947	946	946	945	944	944	943	943	943	943	943	949
Sep 6	943	943	943	943	943	943	943	943	943	943	943	943	943	942	942	942	942	942	941	941	942	942	942	942	941	943	942
Sep 7	942	942	941	941	941	941	941	941	941	941	941	941	940	940	939	939	939	938	938	939	939	939	939	939	938	942	940
Sep 8	939	939	939	939	939	938	938	938	938	937	937	936	935	935	934	934	934	933	933	933	933	933	932	932	932	939	936
Sep 9	932	932	932	933	934	934	934	934	934	934	934	934	935	937	938	939	939	939	940	940	941	941	941	941	932	941	936
Sep 10	941	941	941	941	941	941	941	941	941	941	941	941	941	940	940	940	940	939	939	940	940	940	940	940	939	941	940
Sep 11	940	940	940	940	940	940	940	940	940	940	939	939	938	938	937	937	937	937	937	937	938	938	938	938	937	940	939
Sep 12	938	938	938	938	938	938	938	938	938	939	939	939	939	939	939	938	938	938	938	938	938	938	938	938	937	937	939
Sep 13	937	937	937	936	936	936	936	936	936	935	935	934	934	934	933	933	933	933	933	933	933	933	932	932	932	937	935
Sep 14	932	932	932	932	932	932	932	933	933	933	933	934	934	934	934	934	934	935	935	935	935	936	936	936	932	936	934
Sep 15	936	936	937	937	937	938	938	938	939	939	939	939	939	939	938	938	938	937	937	937	936	936	936	936	936	939	938
Sep 16	936	935	935	935	935	935	935	935	936	936	936	936	935	935	935	935	935	935	935	935	935	935	935	935	935	936	935
Sep 17	935	935	935	935	935	935	934	934	934	934	934	934	934	934	P	P	P	Y	933	933	933	933	933	933	933	935	934
Sep 18	934	934	934	935	935	936	937	938	938	938	938	938	938	937	937	937	936	936	935	935	935	935	935	935	934	938	936
Sep 19	935	935	935	935	935	935	935	936	936	935	935	935	935	934	934	934	934	934	934	933	934	933	934	934	933	936	934
Sep 20	934	934	934	934	935	935	936	937	938	939	940	940	941	941	942	942	943	944	944	945	946	946	946	946	934	946	940
Sep 21	946	946	945	945	945	945	944	944	944	943	942	942	940	939	938	938	937	937	937	936	936	936	936	936	936	946	941
Sep 22	935	935	935	935	935	935	935	935	934	935	934	934	934	933	933	933	934	934	934	934	934	935	935	935	933	935	934
Sep 23	935	935	935	935	936	935	935	935	934	934	934	933	933	933	933	932	931	931	931	931	931	931	930	930	930	936	933
Sep 24	930	930	930	931	932	932	933	933	933	934	934	934	933	933	933	932	932	932	931	931	931	930	929	928	928	934	932
Sep 25	927	926	925	924	924	923	923	923	923	924	925	924	924	924	924	924	924	925	925	925	926	926	926	926	923	927	925
Sep 26	927	927	928	928	929	929	930	930	931	931	931	932	932	932	932	932	932	932	932	931	931	931	931	931	927	932	931
Sep 27	930	930	930	930	930	930	930	930	931	931	931	932	932	933	933	934	934	935	936	936	937	938	939	940	930	940	933
Sep 28	940	941	942	943	943	944	944	944	945	945	945	945	944	943	943	942	942	941	941	941	941	940	940	940	940	945	943
Sep 29	939	938	938	938	937	937	937	938	938	938	938	938	938	939	939	939	940	941	942	942	943	943	943	944	937	944	939
Sep 30	944	944	944	945	945	945	946	946	946	946	946	946	946	946	945	945	945	945	944	944	943	943	943	942	942	946	945
Diurnal Maximum	953	952	952	952	952	952	953	954	954	954	954	954	954	954	954	953	953	953	952	952	952	952	953	953			
Diurnal Average	938	938	938	938	938	938	938	938	938	938	938	938	938	938	938	938	938	938	937	937	938	938	938	938			

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

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

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



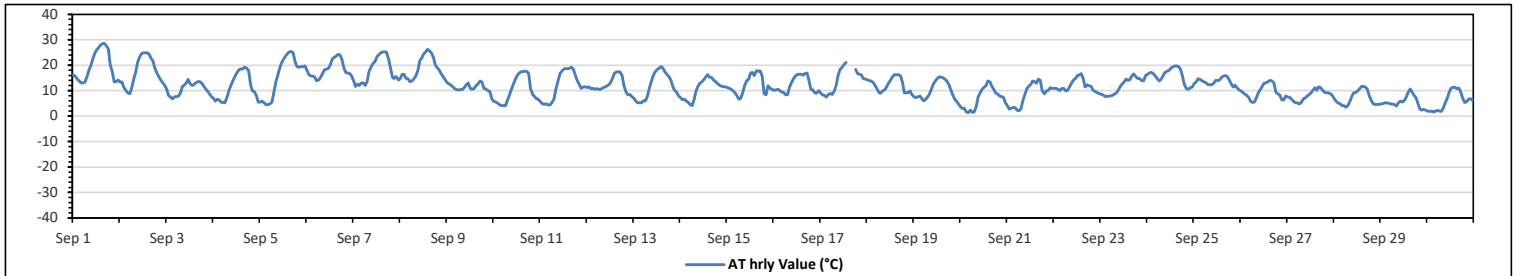
Peace River Area Monitoring Program

986-C Station - September 2024

Summary of Hourly Averages

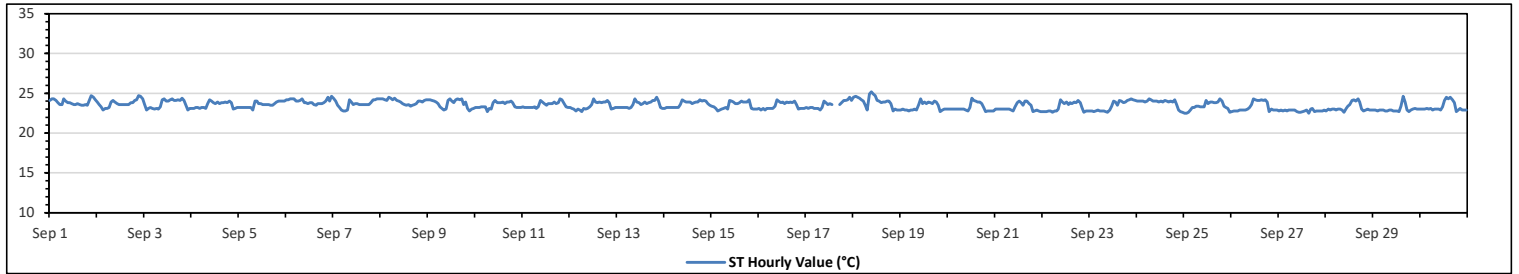
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	28.5	°C	on Sep 1 at hr 15	Hours in Service:	720																											
Maximum Daily Value:	19.6	°C	on Sep 1	Hours of Data:	716																											
Minimum Hourly Value:	1.4	°C	on Sep 20 at hr 4	Hours of Missing Data:	4																											
Minimum Daily Value:	5.5	°C	on Sep 29	Hours of Calibration:	0																											
Monthly Average:	12.1	°C		Operational Uptime:	99.4																											
Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average					
Sep 1	16.2	15.6	14.4	13.8	13	13	13.5	15.6	18.1	19.8	22.5	24.6	25.9	26.9	27.9	28.5	28.4	27.5	26.3	20.4	17.4	13.5	13.6	14.1	13.0	28.5	19.6					
Sep 2	13.3	13.5	11.3	10.2	9.1	8.8	11.3	14.7	17.2	21.1	23	24.5	24.9	24.9	24.8	24.2	22.8	21.7	18.8	16.6	15.3	14	13.1	12.1	8.8	24.9	17.1					
Sep 3	10.6	8.1	7.5	6.8	7.6	7.7	7.9	9.2	11.6	12.2	13.1	14.4	12.6	12	12.4	13.1	13.6	13.6	12.9	11.7	10.7	9.7	8.6	7.7	6.8	14.4	10.6					
Sep 4	7	5.9	6.6	6.3	5.4	5.4	5.2	7.7	10.3	12.2	13.9	15.6	17	18.1	18.6	18.5	19.1	18.8	17.8	12.5	10	9.5	8.2	5.5	5.2	19.1	11.5					
Sep 5	5.5	5.9	5.2	4.4	4.5	4.7	5.5	9.5	13.4	16.1	18.9	20.9	22.4	23.5	24.5	25.2	25.4	24.9	21.5	19.4	19.1	19.4	19.5	19.7	4.4	25.4	15.8					
Sep 6	18	16.3	15.8	15.7	15.4	13.9	14.1	15.3	16.6	18.1	18.4	18.7	20.1	22.4	23	23.5	24.3	24.1	22.5	18.9	17.1	17	16.6	15.7	13.9	24.3	18.4					
Sep 7	13.9	11.7	12.5	12.1	13.1	13.1	12	13.4	17.5	19.4	20.7	21.5	23.3	24.2	24.8	25.2	25.3	25.1	22.1	18.4	15	14.9	15.5	14.2	11.7	25.3	17.9					
Sep 8	14.8	16.4	16.3	14.8	14.7	13.6	13.8	14.5	15.9	18	21.8	22.9	24.3	25.2	26.2	25.6	24.9	22.9	20.3	19	18.2	16.8	15.4	14.3	13.6	26.2	18.8					
Sep 9	13.2	12.7	12.2	11.5	10.8	10.4	10.3	10.4	10.5	11.4	12.3	13	10.8	10.6	10.9	12.1	12.6	13.8	13.5	10.9	10.7	10	9.6	6.8	6.8	13.8	11.3					
Sep 10	5.7	5.6	5.1	4.4	4.2	4.1	4.2	6	7.9	10.1	12.2	14.3	15.9	16.8	17.5	17.5	17.7	17.6	16.8	10.8	8.3	7.6	6.9	6.7	4.1	17.7	10.2					
Sep 11	5.7	4.9	4.6	4.9	4.3	4.3	5.4	6.7	10.5	13.5	16.6	17.7	18.5	18.7	18.6	18.8	19.2	18.3	16.1	13.9	12.5	10.9	11.4	11.5	4.3	19.2	12.0					
Sep 12	11.3	11.4	10.8	10.9	10.6	10.8	10.5	10.5	11	11.4	11.8	12.2	12.9	14.9	16.8	17.4	17.5	17.3	15.9	11.9	9.5	8.4	8.5	7.7	7.7	17.5	12.2					
Sep 13	7	5.8	5.3	5.2	5.3	6	6	7.8	10.9	13.5	15.8	17.3	18.3	18.9	19.4	18.8	17.4	16.4	15.5	14.3	11.8	10.2	9.3	8.1	5.2	19.4	11.8					
Sep 14	7.4	6.5	6.6	5.8	5.4	4.5	4.2	6.5	9.7	11.7	12.9	13.4	14.4	15.4	16.3	15.3	15.1	14.2	13.6	12.8	12.2	11.8	11.5	11.5	4.2	16.3	10.8					
Sep 15	11.3	10.9	10.6	9.8	9.1	8.1	6.7	7	9.3	12.1	13.8	14.6	16.8	17.2	16	17.8	17.7	17.7	15.5	8.7	8.4	11.9	11	10.6	6.7	17.8	12.2					
Sep 16	10.2	10.3	10.6	10.1	9.5	9.3	8.4	8.4	11.2	13	14.6	15.7	16.3	16.4	16.4	16.1	16.8	16.9	14.5	10.5	10.3	9.1	9	10	8.4	16.9	12.2					
Sep 17	9.2	8.3	8.2	7.5	8.5	8.9	8.5	9.7	12	16	18.3	19	20.2	21.1	P	P	P	Y	18.3	16.6	16.4	16.2	14.7	14.5	7.5	21.1	13.6					
Sep 18	14.3	13.9	13.8	13.2	11.9	10.7	9.2	9	10	10.3	11.5	13.1	14.3	15.4	16.3	16.2	16.3	15.8	13.4	9.2	9.2	9.3	9.8	8.3	8.3	16.3	12.3					
Sep 19	7.6	7.2	7.7	7.9	7	6	6.5	7.5	8.7	10.8	12.7	13.8	14.9	15.4	15.3	15	14.4	13.6	12.2	10.4	8.2	6.5	5.7	4.6	4.6	15.4	10.0					
Sep 20	3.6	2.9	3	1.6	1.4	2.3	1.5	1.7	3.9	7.7	9.2	10.5	11.2	11.9	13.7	13.5	11.8	10.7	9.2	8.6	7.9	7.6	7.3	5.3	1.4	13.7	7.0					
Sep 21	4.1	2.7	3.1	3.4	3.3	2.2	2.1	2.9	5.9	8.6	10.8	11.8	12.4	13.8	13.6	12.9	14.5	14	9.9	8.7	9.9	10.1	11.1	10.9	2.1	14.5	8.4					
Sep 22	10.9	10.9	10.5	10	10.9	10.9	9.9	10.2	11.6	13.1	14.2	14.9	15.9	16.2	16.7	14.8	11.4	12.3	11.9	11.6	10.3	9.7	9.3	8.9	8.9	16.7	12.0					
Sep 23	8.6	8.4	7.9	7.7	7.9	7.9	8.2	8.6	9.1	10.3	11.6	12.5	13.5	14.5	14	14.3	15.8	16.5	15.6	14.8	14.8	13.9	13.9	16	7.7	16.5	11.9					
Sep 24	16.4	17	17.2	16.7	15.8	14.8	13.8	14.6	15.9	17.1	17.6	17.9	18.9	19.3	19.7	19.7	19.5	18.4	15.8	12.4	10.7	10.5	11.1	11.4	10.5	19.7	15.9					
Sep 25	12.6	13.5	14.7	14.4	13.9	13.5	13.2	12.4	12.3	12.3	12.9	14	13.9	14.2	15.2	15.7	16	15.6	14.3	12.5	11.4	12.2	11.2	10.4	10.4	16.0	13.4					
Sep 26	9.8	9.3	8.6	8.2	7.3	5.9	5.4	5.5	7.1	9.4	10.6	11.8	12.9	13.1	13.6	14	13.8	13	9.4	8.8	8.4	6.5	6.3	7.9	5.4	14.0	9.4					
Sep 27	7.5	7.4	6.6	5.8	5.2	5.2	4.7	5.3	6.8	7.1	7.8	8.4	9	10.2	11.1	10.1	11.5	11.1	10.1	9.4	9.2	9.2	8.7	8.1	4.7	11.5	8.1					
Sep 28	6.8	5.9	5.1	4.8	4.2	4.1	3.5	4.1	5.6	7.6	9.1	9.3	9.8	10.8	11.6	11.7	11.4	10.5	8.1	6.3	4.9	4.4	4.6	4.6	3.5	11.7	7.0					
Sep 29	4.7	4.8	5.3	5.1	5.1	4.7	4.7	4.4	4	5.3	5.8	5.5	6.2	7.2	9.3	10.7	9.4	8.2	7.2	5	2.8	2.4	2.6	2.3	2.3	10.7	5.5					
Sep 30	1.9	1.8	2	1.6	1.9	2.2	1.9	1.8	3.1	5.1	7.1	9.1	10.9	11.3	11.3	10.8	11	9.4	7	5.4	5.6	6.6	6.9	6.2	1.6	11.3	5.9					
Diurnal Maximum	18.0	17.0	17.2	16.7	15.8	14.8	14.1	15.6	18.1	21.1	23.0	24.6	25.9	26.9	27.9	28.5	28.4	27.5	26.3	20.4	19.1	19.4	19.5	19.7								
Diurnal Average	9.6	9.2	9.0	8.5	8.2	7.9	7.7	8.7	10.6	12.5	14.1	15.1	15.9	16.7	17.1	17.1	17.1	16.5	14.9	12.3	11.2	10.7	10.4	9.9								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 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 - September 2024
Summary of Hourly Averages
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	25.2	°C	on Sep 18 at hr 9	Hours in Service:	720																											
Maximum Daily Value:	24.0	°C	on Sep 6	Hours of Data:	717																											
Minimum Hourly Value:	22.5	°C	on Sep 25 at hr 0	Hours of Missing Data:	3																											
Minimum Daily Value:	22.8	°C	on Sep 27	Hours of Calibration:	0																											
Monthly Average:	23.5	°C		Operational Uptime:	99.6																											
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average						
Sep 1	24.1	24.3	24.3	24.1	23.8	23.6	23.6	24.3	24.0	23.8	23.8	23.7	23.6	23.6	23.7	23.6	23.5	23.5	23.6	23.5	24.1	24.7	24.5	24.2	23.5	24.7	23.9					
Sep 2	23.9	23.6	23.3	22.9	23.1	23.1	23.2	23.9	24.1	23.9	23.7	23.6	23.6	23.6	23.6	23.6	23.6	23.8	23.8	24.1	24.2	24.7	24.6	24.3	22.9	24.7	23.7					
Sep 3	23.6	22.9	23.1	23.2	23.1	23.0	23.1	23.0	23.3	24.2	24.3	24.0	24.0	24.2	24.3	24.1	24.1	24.2	24.1	24.4	24.1	23.5	22.9	23.1	22.9	24.4	23.7					
Sep 4	23.1	23.1	23.2	23.2	23.1	23.2	23.2	23.1	23.7	24.2	24.0	23.8	23.7	23.9	23.7	23.8	23.8	23.9	23.8	24.0	23.8	23.0	23.1	23.2	23.0	24.2	23.5					
Sep 5	23.2	23.2	23.2	23.2	23.2	23.2	23.2	22.9	24.0	24.0	23.7	23.7	23.6	23.6	23.6	23.6	23.5	23.5	23.7	23.9	24.0	24.0	24.0	24.0	22.9	24.0	23.6					
Sep 6	24.2	24.2	24.3	24.3	24.3	24.0	24.0	24.1	24.3	23.8	23.8	23.7	23.8	23.8	23.6	23.5	23.7	23.7	23.7	23.8	24.0	24.5	24.0	24.6	23.5	24.6	24.0					
Sep 7	24.4	24.0	23.5	23.2	22.9	22.8	22.8	22.9	24.2	23.9	23.6	23.7	23.7	23.6	23.6	23.6	23.6	23.6	23.6	23.8	24.2	24.2	24.3	24.3	22.8	24.4	23.7					
Sep 8	24.3	24.3	24.2	24.1	24.5	24.4	24.2	24.4	24.1	24.0	23.9	23.7	23.6	23.5	23.6	23.4	23.5	23.6	23.7	24.0	24.0	23.9	24.1	24.2	23.4	24.5	24.0					
Sep 9	24.2	24.2	24.1	24.0	23.9	23.7	23.3	23.1	22.9	23.0	24.1	24.3	24.0	23.8	24.2	24.3	24.2	24.3	23.6	23.9	23.1	22.8	23.0	23.1	22.8	24.3	23.7					
Sep 10	23.2	23.2	23.2	23.3	23.3	23.3	22.7	23.1	23.0	23.8	24.1	23.8	23.8	23.8	23.9	23.7	23.9	23.9	24.0	23.8	23.3	23.2	23.2	23.2	22.7	24.1	23.5					
Sep 11	23.3	23.2	23.2	23.2	23.2	23.2	23.3	23.1	23.3	24.1	23.9	23.7	23.5	23.7	23.7	23.7	23.9	23.7	23.8	24.3	24.2	23.7	23.3	23.2	23.1	24.3	23.6					
Sep 12	23.2	23.1	23.0	22.8	23.0	22.9	22.7	23.1	23.0	23.1	23.3	23.6	24.3	23.9	23.8	23.9	23.8	23.9	23.9	24.1	23.8	23.0	23.1	23.2	22.7	24.3	23.4					
Sep 13	23.2	23.2	23.2	23.2	23.2	23.2	23.1	23.2	23.6	24.3	23.9	23.8	23.6	23.7	23.9	23.7	23.8	23.9	24.1	24.1	24.5	24.0	23.2	23.1	23.1	24.5	23.6					
Sep 14	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.6	24.2	24.0	23.9	23.9	23.9	23.7	23.8	23.9	23.9	24.2	24.0	24.1	24.0	23.7	23.5	23.1	24.2	23.7					
Sep 15	23.4	23.3	23.1	22.8	22.9	23.0	23.1	23.2	23.0	24.1	24.0	23.9	23.7	23.7	23.8	24.0	23.9	23.9	23.9	24.2	23.1	23.0	23.0	23.0	22.8	24.2	23.5					
Sep 16	23.1	22.9	23.1	22.9	23.1	23.1	23.1	23.1	23.4	24.2	24.0	23.8	23.9	23.7	23.9	23.8	23.9	23.8	24.0	23.6	23.0	23.1	23.1	23.1	22.9	24.2	23.4					
Sep 17	23.2	23.1	23.2	23.2	23.1	23.1	23.1	22.9	23.2	24.0	23.8	23.6	23.7	23.6	23.9	P	P	P	23.6	23.8	24.1	24.1	24.2	24.5	24.1	22.9	24.5					
Sep 18	24.5	24.6	24.5	24.4	24.2	24.0	23.5	22.9	24.9	25.2	24.9	24.7	24.1	24.0	23.8	23.9	23.9	24.0	24.0	23.7	22.8	23.0	22.9	22.9	22.8	25.2	24.0					
Sep 19	22.9	23.0	22.9	22.9	22.8	22.9	22.9	23.0	22.9	23.6	24.3	23.7	23.9	23.7	23.9	23.8	23.7	24.0	23.9	23.5	22.7	22.9	23.0	23.0	22.7	24.3	23.3					
Sep 20	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.9	22.8	23.2	24.4	24.1	24.0	23.9	23.9	23.7	23.2	22.7	22.8	22.8	22.8	22.8	22.7	24.4	23.2					
Sep 21	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.9	22.8	23.3	23.8	24.0	23.8	23.5	24.0	24.0	23.7	23.5	22.7	22.8	22.9	22.8	22.7	22.7	24.0	23.2					
Sep 22	22.7	22.7	22.7	22.8	22.8	22.6	22.8	22.8	23.0	24.2	23.9	23.7	23.9	23.6	23.8	23.7	23.9	23.8	24.1	23.8	23.2	22.6	22.8	22.8	22.6	24.2	23.3					
Sep 23	22.8	22.8	22.7	22.8	22.9	22.8	22.8	22.8	22.7	22.6	22.9	23.4	24.0	23.9	23.5	24.1	24.0	23.8	23.9	24.1	24.2	24.3	24.2	24.1	22.6	24.3	23.4					
Sep 24	24.0	24.0	24.0	24.0	23.9	24.0	24.3	24.2	24.0	24.0	24.0	23.9	24.0	23.9	24.1	24.0	23.9	24.0	23.9	24.2	23.6	22.9	22.7	22.6	22.6	24.3	23.8					
Sep 25	22.5	22.5	22.6	22.9	23.2	23.2	23.4	23.4	23.3	23.3	23.3	24.1	23.7	23.9	23.9	23.8	23.8	23.9	24.3	24.0	23.4	23.2	23.1	22.6	22.5	24.3	23.4					
Sep 26	22.7	22.8	22.8	22.8	22.9	22.9	22.9	22.9	23.0	23.2	23.6	24.3	24.2	24.1	24.1	24.2	24.1	24.2	23.9	22.7	23.0	22.9	22.9	22.9	22.7	24.3	23.3					
Sep 27	22.8	22.9	22.8	22.9	22.8	22.9	22.9	22.9	22.9	22.7	22.6	22.6	22.7	22.8	22.9	22.5	23.0	23.1	22.7	22.8	22.8	22.8	22.9	22.9	22.5	23.1	22.8					
Sep 28	22.8	23.0	22.9	23.0	23.0	22.9	23.0	23.0	22.9	22.6	23.1	23.4	23.6	24.1	24.2	24.0	24.3	23.9	23.0	22.8	22.9	23.0	22.9	22.9	22.6	24.3	23.2					
Sep 29	22.9	22.9	22.8	22.9	22.9	22.9	22.8	22.8	22.9	22.9	22.8	22.8	22.7	23.3	24.3	24.6	23.9	22.9	22.7	22.9	23.0	23.1	23.0	23.0	22.7	24.6	23.0					
Sep 30	23.0	23.0	23.0	23.1	23.0	23.1	22.9	23.0	23.0	23.0	22.9	23.3	24.1	24.5	24.3	24.5	24.2	23.8	22.7	22.9	23.1	22.9	22.9	22.9	22.7	24.5	23.3					
Diurnal Maximum	24.5	24.6	24.5	24.4	24.5	24.4	24.3	24.4	24.9	25.2	24.9	24.7	24.4	24.5	24.3	24.6	24.3	24.3	24.3	24.4	24.5	24.7	24.6	24.6								
Diurnal Average	23.3	23.3	23.3	23.2	23.2	23.2	23.2	23.4	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.7	23.7	23.5	23.4	23.3	23.3								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																



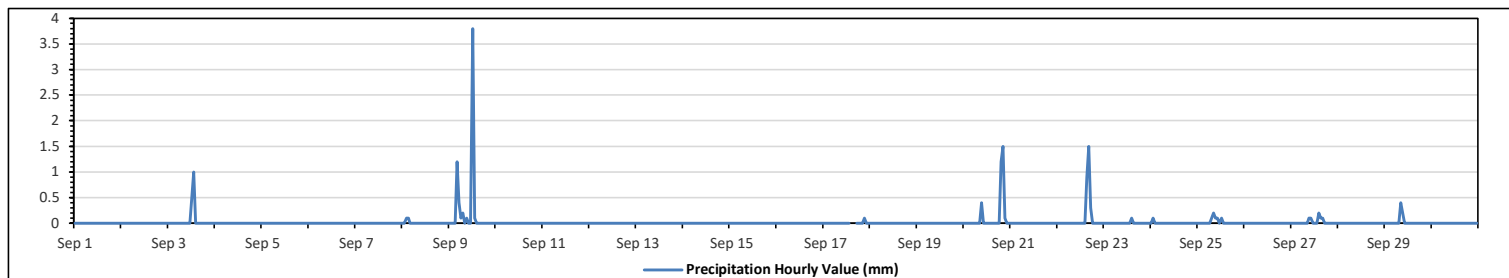
Peace River Area Monitoring Program

986-C Station - September 2024

Summary of Hourly Averages

PRECIPITATION in mm

Maximum Hourly Value:	3.8	mm	on Sep 9 at hr 12	Hours in Service:	720																						
Maximum Daily Value:	5.9	mm	on Sep 9	Hours of Data:	717																						
Minimum Hourly Value:	0.0	mm	on Sep 1 at hr 0	Hours of Missing Data:	3																						
Minimum Daily Value:	0.0	mm	on Sep 1	Hours of Calibration:	0																						
Monthly Total:	15.6	mm		Operational Uptime:	99.6																						
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Total	
Sep 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	
Sep 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	
Sep 3	0	0	0	0	0	0	0	0	0	0	0	0	0.5	1	0	0	0	0	0	0	0	0	0	0.0	1.0	1.5	
Sep 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	
Sep 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	
Sep 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	
Sep 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	
Sep 8	0	0	0	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.2	
Sep 9	0	0	0	0	1.2	0.4	0.1	0.2	0	0.1	0	0	3.8	0.1	0	0	0	0	0	0	0	0	0	0.0	3.8	5.9	
Sep 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	
Sep 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	
Sep 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	
Sep 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	
Sep 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	
Sep 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	
Sep 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	
Sep 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	P	P	Y	0	0	0	0	0.1	0	0.0	0.1	0.1	
Sep 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	
Sep 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	
Sep 20	0	0	0	0	0	0	0	0	0	0.4	0	0	0	0	0	0	0	0	0	1.2	1.5	0.1	0	0.0	1.5	3.2	
Sep 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	
Sep 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9	1.5	0.3	0	0	0	0	0	0.0	1.5	2.7	
Sep 23	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	0.1	0.1	
Sep 24	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	0.1	0.1	
Sep 25	0	0	0	0	0	0	0	0.1	0.2	0.1	0.1	0	0.1	0	0	0	0	0	0	0	0	0	0	0.0	0.2	0.6	
Sep 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	
Sep 27	0	0	0	0	0	0	0	0	0	0.1	0.1	0	0	0	0.2	0.1	0.1	0	0	0	0	0	0	0.0	0.2	0.6	
Sep 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	
Sep 29	0	0	0	0	0	0	0	0	0.4	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.4	0.6	
Sep 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	
Diurnal Maximum	0.0	0.1	0.1	0.1	1.2	0.4	0.1	0.2	0.4	0.4	0.1	0.0	3.8	1.0	0.2	0.9	1.5	0.3	0.0	1.2	1.5	0.1	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	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0			
C	Monthly Calibration							S	Daily Zero-Span Check							Q	Quality Assurance										
K	Collection Error							ND	No Data (Machine Not in Service)							Y	Routine Maintenance							P	Power Failure		
X	Invalid Data (Equipment Malfunction /Recovery)							NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)																		
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																											
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																											



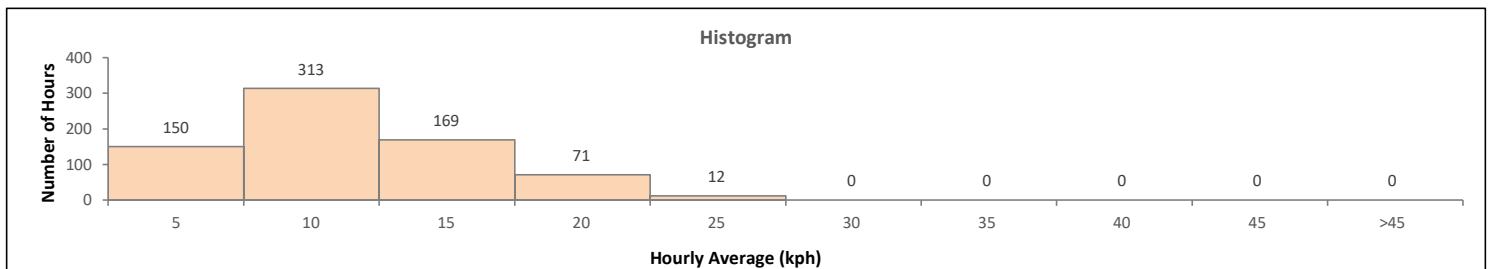
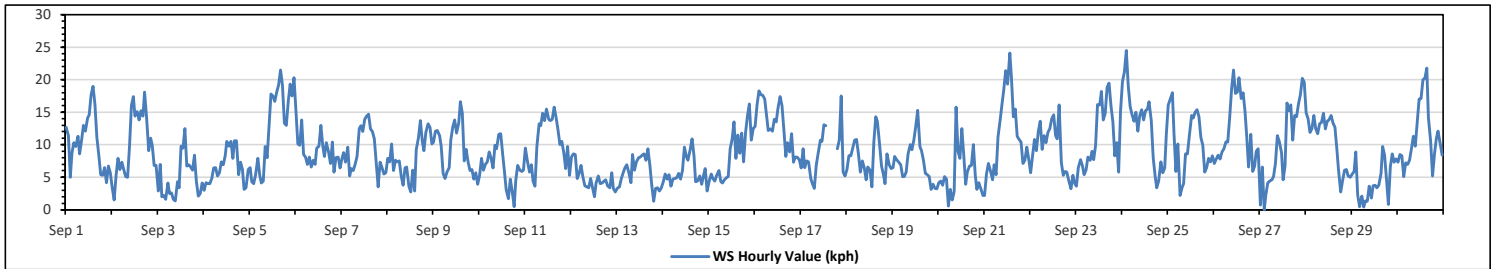
Peace River Area Monitoring Program

986-C Station - September 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	24.5	kph	on Sep 24 at hr 2	Hours in Service:	720																																														
Maximum Daily Value:	13.0	kph	on Sep 24	Hours of Data:	715																																														
Minimum Hourly Value:	0.0	kph	on Sep 27 at hr 2	Hours of Missing Data:	5																																														
Minimum Daily Value:	4.5	kph	on Sep 29	Hours of Calibration:	0																																														
Monthly Average:	5.4	kph		Operational Uptime:	99.3																																														
	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average																									
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23																											
Sep 1	12.7	11.4	5.0	8.7	10.3	9.7	11.3	8.6	10.6	13.0	12.1	14.1	14.6	17.7	19.0	16.2	11.1	8.4	5.4	5.3	6.5	4.2	6.7	5.7	4.2	19.0	10.3																								
Sep 2	3.4	1.5	5.3	7.9	6.2	7.3	6.2	5.1	5.0	9.8	16.0	17.4	14.4	15.1	13.8	15.2	14.4	18.1	14.4	9.1	11.0	9.9	6.8	6.8	1.5	18.1	10.0																								
Sep 3	2.9	7.0	2.0	2.2	1.6	4.1	2.5	2.6	1.6	1.4	4.3	3.4	9.8	9.5	12.5	6.7	6.9	6.6	6.1	8.4	4.3	2.1	2.5	4.1	1.4	12.5	4.8																								
Sep 4	3.0	4.2	4.0	4.0	4.8	6.4	6.5	5.2	5.7	7.4	6.9	8.3	10.5	9.8	10.5	7.9	10.6	10.6	5.4	7.3	6.2	3.1	3.4	6.2	3.0	10.6	6.6																								
Sep 5	6.5	4.3	4.0	5.4	7.9	5.3	4.1	4.4	9.7	8.0	12.8	17.8	17.5	16.7	18.1	19.2	21.5	19.1	13.3	13.0	16.6	19.3	17.5	20.3	4.0	21.5	12.6																								
Sep 6	15.3	10.1	9.9	13.8	8.5	8.1	7.0	8.1	6.6	7.6	7.0	9.5	9.8	13.0	9.8	8.2	10.3	8.9	7.1	10.4	5.8	8.0	8.1	6.4	5.8	15.3	9.1																								
Sep 7	7.9	8.8	7.3	9.6	5.2	6.3	6.0	7.0	8.2	12.5	12.9	12.0	13.9	14.4	14.7	12.4	12.0	10.9	7.2	3.5	7.3	6.5	5.5	5.7	3.5	14.7	9.1																								
Sep 8	7.9	7.4	10.1	6.0	7.6	7.4	7.5	5.2	3.8	6.4	6.6	3.6	2.7	6.1	2.9	9.2	11.1	13.7	10.5	9.1	11.9	13.2	12.7	10.1	2.7	13.7	8.0																								
Sep 9	10.4	12.1	12.2	11.4	9.8	5.6	4.8	5.8	6.5	10.7	12.7	13.8	11.8	13.4	16.6	14.8	7.5	9.3	7.4	6.0	6.2	4.7	5.7	3.9	3.9	16.6	9.3																								
Sep 10	5.3	7.9	6.1	7.0	7.4	8.9	7.9	6.4	9.9	9.4	11.6	11.7	8.6	5.7	3.1	1.7	4.7	2.8	0.5	4.5	6.8	6.1	5.9	6.1	0.5	11.7	6.5																								
Sep 11	9.5	7.6	5.8	6.9	4.4	3.6	9.7	13.2	12.9	14.8	13.7	15.5	13.9	13.7	13.9	15.8	14.2	12.3	10.0	10.5	8.8	6.3	9.7	5.3	3.6	15.8	10.5																								
Sep 12	8.1	8.6	8.5	4.8	5.6	6.8	5.0	3.7	3.5	3.4	4.8	3.4	2.0	4.1	5.2	4.0	4.1	4.4	4.6	3.7	3.4	5.7	3.3	2.7	2.0	8.6	4.7																								
Sep 13	3.3	3.5	4.8	5.6	6.4	6.9	5.6	4.2	8.5	6.1	7.4	8.0	8.1	8.4	8.6	7.6	9.4	6.9	3.8	1.3	3.3	3.4	2.9	3.4	1.3	9.4	5.7																								
Sep 14	4.3	5.5	4.7	5.4	3.6	4.7	4.8	4.9	5.6	4.7	6.0	9.6	8.2	7.6	9.2	10.9	8.3	4.3	4.4	5.2	3.9	5.3	6.3	2.9	2.9	10.9	5.8																								
Sep 15	4.5	5.5	4.8	4.4	5.3	6.0	4.3	4.1	4.6	4.9	5.1	9.4	10.8	13.5	7.9	11.5	8.7	11.8	7.4	11.8	14.4	16.3	10.7	12.5	4.1	16.3	8.3																								
Sep 16	12.8	16.1	18.3	17.7	17.6	17.0	14.4	12.2	12.4	12.1	13.9	13.5	15.5	17.4	16.0	12.2	8.2	10.3	8.9	11.7	7.3	8.1	8.1	7.7	7.3	18.3	12.9																								
Sep 17	6.4	9.4	6.5	7.5	7.4	4.8	4.0	3.3	6.8	8.7	10.7	10.5	13.1	12.9	P	P	P	NRM	NRM	9.4	10.7	17.5	5.8	5.2	3.3	17.5	8.5																								
Sep 18	6.2	8.3	8.3	9.5	10.7	10.8	8.5	5.8	7.5	6.5	4.6	6.6	6.1	3.5	10.4	14.3	13.6	10.0	6.7	5.4	4.0	8.6	6.9	6.3	3.5	14.3	7.9																								
Sep 19	6.5	8.2	7.7	7.4	6.9	5.1	5.1	5.8	8.6	10.0	9.2	10.7	12.8	15.3	9.7	9.1	7.6	5.6	5.4	5.1	3.1	3.9	3.3	3.2	3.1	15.3	7.3																								
Sep 20	4.2	4.4	3.8	5.1	4.7	0.6	3.1	1.5	2.8	15.8	9.0	7.9	12.5	8.4	3.9	5.8	6.7	6.8	10.0	5.3	3.1	4.2	3.1	2.2	0.6	15.8	5.6																								
Sep 21	2.2	5.5	7.1	5.9	4.6	6.9	5.4	11.2	13.9	16.0	18.4	21.4	19.3	24.1	20.3	14.3	15.5	11.3	10.8	10.4	7.1	7.6	9.6	7.8	2.2	24.1	11.5																								
Sep 22	5.7	8.3	10.8	9.1	12.0	13.6	9.3	11.4	10.3	11.9	12.5	14.0	14.6	11.4	10.9	16.1	7.2	5.3	5.9	5.8	4.5	3.2	5.3	4.0	3.2	16.1	9.3																								
Sep 23	3.6	6.5	7.7	6.7	5.4	6.1	8.1	7.6	9.0	7.7	9.9	16.2	16.1	18.2	13.8	14.8	18.8	19.5	16.0	13.5	8.3	10.3	5.8	15.2	3.6	19.5	11.0																								
Sep 24	19.7	21.2	24.5	19.1	15.9	14.6	13.6	15.0	12.1	14.5	15.4	13.8	15.2	15.5	16.6	13.7	8.0	5.2	3.4	4.4	7.4	5.7	6.4	11.6	3.4	24.5	13.0																								
Sep 25	16.1	17.1	18.0	11.7	5.9	10.1	2.2	3.4	4.0	8.6	8.6	11.4	14.5	14.1	15.0	15.4	14.3	11.1	9.9	5.8	6.5	7.9	7.4	8.3	2.2	18.0	10.3																								
Sep 26	7.1	7.8	8.4	7.8	8.9	9.4	10.4	10.4	14.2	18.6	21.5	17.9	18.1	20.3	17.1	18.0	15.1	10.7	6.6	11.6	5.9	6.7	9.0	9.4	5.9	21.5	12.1																								
Sep 27	0.7	6.6	0.0	2.3	4.1	4.4	4.6	5.1	7.1	11.4	10.5	8.8	4.6	6.7	16.4	15.2	16.1	10.7	14.5	14.3	16.3	17.7	20.2	19.6	0.0	20.2	9.9																								
Sep 28	14.9	14.0	11.9	12.5	14.5	12.4	11.7	13.2	13.4	14.8	12.4	13.6	13.8	14.5	13.3	12.7	9.3	6.2	2.7	4.5	6.1	6.2	5.2	5.0	2.7	14.9	10.8																								
Sep 29	5.5	5.9	8.9	2.3	0.5	2.1	0.4	1.4	1.3	3.6	1.8	3.7	3.8	3.4	3.8	5.6	9.7	8.4	4.7	0.8	6.6	8.6	7.3	7.8	0.4	9.7	4.5																								
Sep 30	7.3	8.5	8.3	5.1	7.2	7.0	7.6	9.4	11.3	9.8	13.4	17.0	17.1	20.0	20.2	21.8	14.2	10.5	5.2	8.6	11.0	12.1	10.4	8.4	5.1	21.8	11.3																								
Diurnal Maximum	19.7	21.2	24.5	19.1	17.6	17.0	14.4	15.0	14.2	18.6	21.5	21.4	19.3	24.1	20.3	21.8	21.5	19.5	16.0	14.3	16.6	19.3	20.2	20.3																											
Diurnal Average	7.5	8.4	8.2	7.8	7.4	7.4	6.7	6.8	7.9	9.7	10.4	11.5	11.8	12.5	12.2	12.1	11.0	9.6	7.5	7.5	7.5	8.1	7.4	7.5																											
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance																												
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance										P	Power Failure																	
X	Invalid Data (Equipment Malfunction / Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)																																							
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																																			
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																																			

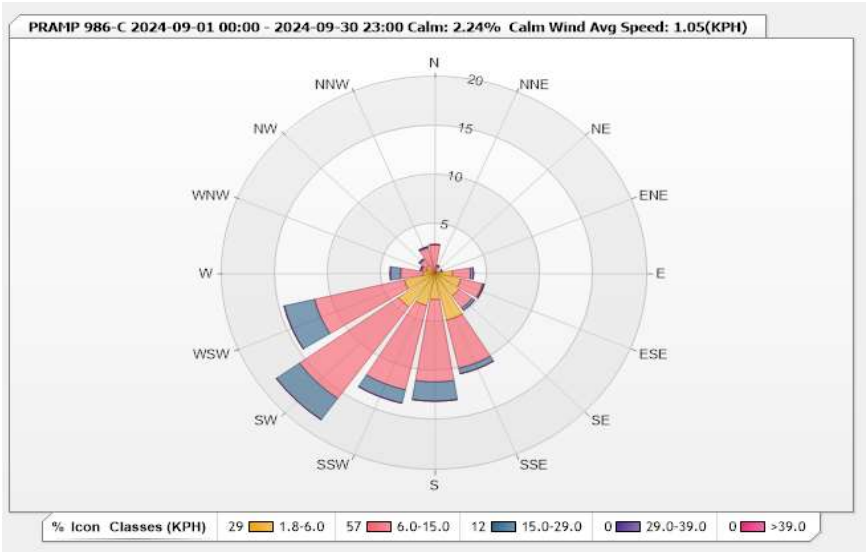


Station: PRAMP 986-C Monitor: WDS [KPH] Monthly: 09-2024

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

Calm (WS<1.8kph): 2.24% Valid Data: 99.31%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	0.42	2.52	0	0	0	2.94
NNE	0.28	0.42	0.14	0	0	0.84
NE	0.14	0	0	0	0	0.14
ENE	0.14	0.56	0	0	0	0.7
E	1.68	1.68	0.28	0	0	3.64
ESE	2.52	2.1	0.14	0	0	4.76
SE	2.8	1.54	0.28	0	0	4.62
SSE	4.9	5.03	0.56	0	0	10.49
S	2.66	8.39	1.96	0	0	13.01
SSW	3.36	8.81	1.4	0	0	13.57
SW	4.2	11.47	2.66	0	0	18.33
WSW	2.94	8.67	2.94	0	0	14.55
W	1.12	2.1	0.98	0	0	4.2
WNW	0.84	0.42	0.14	0	0	1.4
NW	0.98	0.7	0.14	0	0	1.82
NNW	0.28	2.38	0.14	0	0	2.8
Summary	29.26	56.79	11.76	0	0	97.81



Peace River Area Monitoring Program

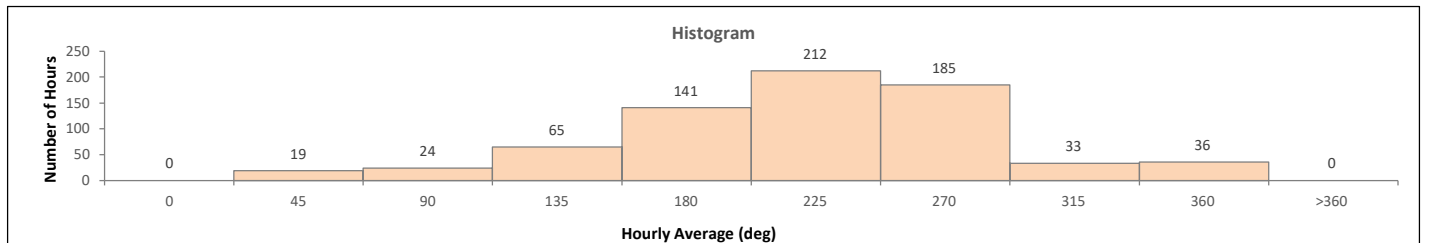
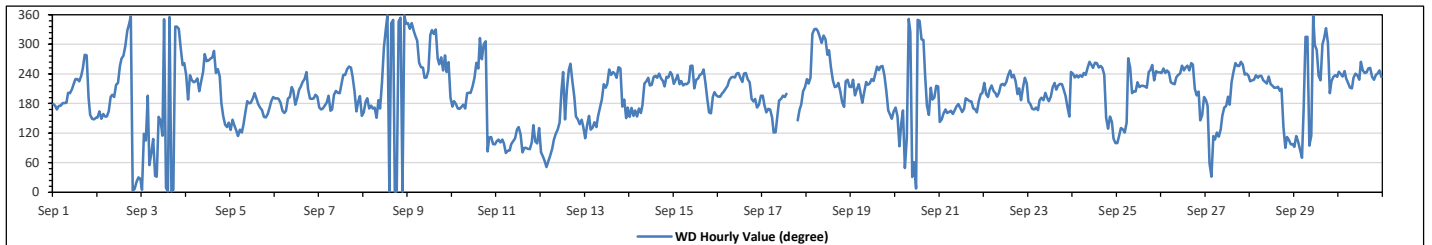
986-C Station - September 2024

Summary of Hourly Averages

WIND DIRECTION (VWD) in sector

Monthly Average:		211 (SSW) degree													Hours in Service:		720		Hours of Data:		715		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								
Sep 1	S	S	SSE	S	S	S	S	S	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	W	W	S	SSE	SSE	SE	SSE	204	SSW								
Sep 2	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSW	S	SW	SW	WSW	W	W	WNW	NNW	NNW	N	N	N	NNE	NNE	NNE	279	W								
Sep 3	N	ESE	ESE	SSW	NE	ENE	ESE	NNE	NNE	SSE	SE	ESE	N	N	N	N	N	NNW	NNW	NNW	NNW	WSW	W	W	7	N								
Sep 4	SW	S	SW	SW	SW	SW	SW	SSW	SW	WSW	W	W	W	W	W	WNW	WSW	WSW	SW	S	SSE	SE	SE	SE	237	SW								
Sep 5	SE	SE	SE	SE	ESE	SE	ESE	SE	SSE	S	S	S	SSW	S	S	S	SSE	SSE	SSE	SSE	SSE	S	S	S	171	S								
Sep 6	S	S	S	S	SSE	SSE	SSE	S	S	SSW	SSW	S	S	SSW	SSW	SW	SW	WSW	SSW	S	S	S	SSW	SSW	196	SSW								
Sep 7	S	SSE	SSE	S	S	SSW	SSE	SSE	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	SW	SSW	SSE	S	SSW	SSE	207	SSW								
Sep 8	SSE	S	S	SSE	S	SSE	S	SSE	S	SSE	SW	WNW	NNW	N	N	NNW	N	N	N	NNW	N	N	N	NNW	343	NNW								
Sep 9	NNW	NNW	NNW	NNW	NW	NW	W	WSW	WSW	SW	SW	WSW	NW	NNW	NW	NNW	W	WSW	W	WSW	W	WSW	W	S	293	WNW								
Sep 10	S	S	S	SSE	SSE	S	S	SSE	SSW	SSW	SSW	SSW	SW	W	WSW	NW	W	WNW	NW	E	ESE	ESE	E	E	185	S								
Sep 11	ESE	ESE	E	ESE	E	E	E	E	ESE	ESE	SE	SE	ESE	E	E	E	E	E	E	E	SE	SE	SE	SE	102	E								
Sep 12	E	ENE	ENE	NE	ENE	ENE	E	ESE	ESE	SE	SE	SSW	WSW	SE	SSW	WSW	W	SW	S	SSE	SE	SE	SE	SE	120	ESE								
Sep 13	ESE	SE	SSE	SE	SE	SE	SE	SSE	S	S	SW	SSW	SW	WSW	SW	WSW	WSW	SW	WSW	SSW	S	S	SSE	S	195	SSW								
Sep 14	SSE	S	SSE	SSE	SSE	SSE	SSE	S	SW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	SSW	SW	SW	WSW	WSW	213	SSW								
Sep 15	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	SSW	SW	SW	SW	WSW	WSW	SW	S	SSE	SSW	SSW	SSW	SSW	214	SSW								
Sep 16	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	WSW	SW	SW	WSW	WSW	SW	S	S	S	S	S	SSW	216	SW								
Sep 17	SSW	S	SSE	SSE	SSE	SSE	ESE	ESE	SSE	S	S	SSW	S	SSW	P	P	P	NRM	NRM	SE	SSE	S	SSW	SSW	178	S								
Sep 18	SW	SW	SW	NW	NNW	NNW	NW	NW	NNW	NW	NW	W	WNW	WSW	SW	SSW	SSW	SW	SSW	S	S	SW	SW	SSW	254	WSW								
Sep 19	SSW	SW	SSW	SSW	SW	SSW	S	SSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	SW	SSW	SSW	SSE	SSE	SSE	SSE	221	SW								
Sep 20	S	SSE	E	SE	SSE	NE	ESE	N	NW	NNE	ENE	N	N	NNW	NW	NW	WSW	S	SSE	SSW	S	S	SW	SSW	69	ENE								
Sep 21	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	S	S	S	SSE	SSE	SSE	S	SSW	SSW	174	S								
Sep 22	SW	SSW	S	SSW	SW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	SW	SW	SW	SSW	SSW	S	SSW	SW	SW	216	SW								
Sep 23	S	S	SSE	SSE	S	SSE	S	S	S	SSW	S	S	SSW	SSW	SW	SSW	SW	SW	SW	SSW	SSW	S	SSE	SSW	201	SSW								
Sep 24	WSW	SW	SW	SW	SW	SW	WSW	SW	WSW	W	WSW	WSW	W	W	WSW	WSW	WSW	WSW	SSE	SE	SSE	SE	ESE	E	239	WSW								
Sep 25	E	ESE	SE	SE	ESE	SE	W	WSW	SSW	SSW	SSW	SW	SSW	SW	SSW	SSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	197	SSW								
Sep 26	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	SSW	SSW	SSW	SE	SSE	S	236	SW								
Sep 27	S	S	ENE	NNE	ESE	ESE	ESE	SE	SSE	S	S	SSW	S	SW	WSW	W	WSW	WSW	W	WSW	WSW	WSW	WSW	SW	224	SW								
Sep 28	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SE	E	ESE	ESE	E	E	217	SW								
Sep 29	E	ESE	E	E	ENE	SSE	NW	NW	E	ESE	N	WNW	WNW	SW	SW	WNW	NW	NNW	WNW	SW	SW	SW	SW	SW	259	WSW								
Sep 30	WSW	WSW	SW	WSW	SW	SW	SSW	SSW	SW	WSW	SW	SW	W	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	WSW	WSW	SW	240	WSW								
C	Monthly Calibration								S	Daily Zero-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.																																		

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 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 - September 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 Sep 24 at hr 2										Hours in Service:		720											
Maximum Daily Value:		13.0	kph	on Sep 24										Hours of Data:		715											
Minimum Hourly Value:		0.0	kph	on Sep 27 at hr 2										Hours of Missing Data:		5											
Minimum Daily Value:		4.5	kph	on Sep 29										Hours of Calibration:		0											
Monthly Average:		5.4	kph											Operational Uptime:		99.3											
WIND DIRECTION																											
Monthly Average:		211 degree (SSW)																									
Day	0	1	2	3	4	5	6	7	8	9	Hourly Period Starting at (MST)													Daily Minimum	Daily Maximum	Daily Average	
Sep 1	12.7	11.4	5.0	8.7	10.3	9.7	11.3	8.6	10.6	13.0	12.1	14.1	14.6	17.7	19.0	16.2	11.1	8.4	5.4	5.3	6.5	4.2	6.7	5.7	4.2	19.0	10.3
Sep 2	S	S	SSE	S	S	S	S	S	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	W	W	S	SSE	SSE	SE	SSE	1.5	18.1	204(SSW)
	3.4	1.5	5.3	7.9	6.2	7.3	6.2	5.1	5.0	9.8	16.0	17.4	14.4	15.1	13.8	15.2	14.4	18.1	14.4	9.1	11.0	9.9	6.8	6.8			
Sep 3	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSW	S	SW	SW	WSW	W	W	WNW	NNW	NNW	N	N	N	NNE	NNE	NNE	1.4	12.5	279(W)
	2.9	7.0	2.0	2.2	1.6	4.1	2.5	2.6	1.6	1.4	4.3	3.4	9.8	9.5	12.5	6.7	6.9	6.6	6.1	8.4	4.3	2.1	2.5	4.1			
Sep 4	N	ESE	ESE	SSW	NE	ENE	ESE	NNE	NNE	SSE	SE	ESE	N	N	N	N	N	NNW	NNW	NNW	NNW	WSW	WSW	W	3.0	10.6	7(N)
	3.0	4.2	4.0	4.0	4.8	6.4	6.5	5.2	5.7	7.4	6.9	8.3	10.5	9.8	10.5	7.9	10.6	10.6	5.4	7.3	6.2	3.1	3.4	6.2			
Sep 5	SW	S	SW	SW	SW	SW	SW	SSW	SW	WSW	W	W	W	W	W	WNW	WSW	WSW	WSW	S	SSE	SE	SE	SE	4.0	21.5	237(SSW)
	6.5	4.3	4.0	5.4	7.9	5.3	4.1	4.4	9.7	8.0	12.8	17.8	17.5	16.7	18.1	19.2	21.5	19.1	13.3	13.0	16.6	19.3	17.5	20.3			
Sep 6	SE	SE	SE	SE	ESE	ESE	ESE	SE	SSE	S	S	S	SSW	S	S	S	SSE	SSE	SSE	SSE	SSE	S	S	5.8	15.3	171(S)	
	15.3	10.1	9.9	13.8	8.5	8.1	7.0	8.1	6.6	7.6	7.0	9.5	9.8	13.0	9.8	8.2	10.3	8.9	7.1	10.4	5.8	8.0	8.1				6.4
Sep 7	S	S	S	SSE	SSE	SSE	SSE	S	S	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	SSW	SSW	3.5	14.7	196(SSW)
	7.9	8.8	7.3	9.6	5.2	6.3	6.0	7.0	8.2	12.5	12.9	12.0	13.9	14.4	14.7	12.4	12.0	10.9	7.2	3.5	7.3	6.5	5.5	5.7			
Sep 8	S	SSE	SSE	S	S	SSW	SSE	SSE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE	S	SSW	SSE	2.7	13.7	207(SSW)
	7.9	7.4	10.1	6.0	7.6	7.4	7.5	5.2	3.8	6.4	6.6	3.6	2.7	6.1	2.9	9.2	11.1	13.7	10.5	9.1	11.9	13.2	12.7	10.1			
Sep 9	SSE	S	S	SSE	S	SSE	S	SSE	S	SSE	SW	WNW	NNW	N	N	NNW	N	N	NNW	N	N	N	NNW	N	3.9	16.6	343(NNW)
	10.4	12.1	12.2	11.4	9.8	5.6	4.8	5.8	6.5	10.7	12.7	13.8	11.8	13.4	16.6	14.8	7.5	9.3	7.4	6.0	6.2	4.7	5.7	3.9			
Sep 10	NNW	NNW	NNW	NNW	NW	NW	W	WSW	WSW	SW	SW	WSW	NW	NNW	NW	NNW	W	WSW	W	WSW	W	WSW	W	S	0.5	11.7	293(WNW)
	5.3	7.9	6.1	7.0	7.4	8.9	7.9	6.4	9.9	9.4	11.6	11.7	8.6	5.7	3.1	1.7	4.7	2.8	0.5	4.5	6.8	6.1	5.9	6.1			
Sep 11	S	S	S	SSE	SSE	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	W	WSW	NW	W	WNW	NW	E	ESE	ESE	E	3.6	15.8	185(S)
	9.5	7.6	5.8	6.9	4.4	3.6	9.7	13.2	12.9	14.8	13.7	15.5	13.9	13.7	13.9	15.8	14.2	12.3	10.0	10.5	8.8	6.3	9.7	5.3			
Sep 12	ESE	ESE	E	ESE	E	E	E	E	ESE	SE	SE	ESE	SE	ESE	E	E	E	E	E	E	E	ESE	E	SE	2.0	8.6	102(E)
	8.1	8.6	8.5	4.8	5.6	6.8	5.0	3.7	3.5	3.4	4.8	3.4	2.0	4.1	5.2	4.0	4.1	4.4	4.6	3.7	3.4	5.7	3.3	2.7			
Sep 13	E	ENE	ENE	NE	ENE	ENE	E	ESE	ESE	SE	SE	SSW	WSW	SE	SSW	WSW	W	SW	S	SSE	SE	SE	SE	SE	1.3	9.4	120(ESE)
	3.3	3.5	4.8	5.6	6.4	6.9	5.6	4.2	8.5	6.1	7.4	8.0	8.1	8.4	8.6	7.6	9.4	6.9	3.8	1.3	3.3	3.4	2.9	3.4			
Sep 14	ESE	SE	SSE	SE	SE	SE	SSE	S	S	SW	SSW	SW	SSW	SSW	WSW	SW	SSW	WSW	WSW	WSW	WSW	S	SSE	S	2.9	10.9	195(SSW)
	4.3	5.5	4.7	5.4	3.6	4.7	4.8	4.9	5.6	4.7	6.0	9.6	8.2	7.6	9.2	10.9	8.3	4.3	4.4	5.2	3.9	5.3	6.3	2.9			
Sep 15	SSE	S	SSE	SSE	SSE	SSE	SSE	S	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	SSW	SSW	SSW	SSW	SSW	4.1	16.3	213(SSW)
	4.5	5.5	4.8	4.4	5.3	6.0	4.3	4.1	4.6	4.9	5.1	9.4	10.8	13.5	7.9	11.5	8.7	11.8	7.4	11.8	14.4	16.3	10.7	12.5			
Sep 16	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	WSW	WSW	WSW	S	SSE	SSW	SSW	7.3	18.3	214(SSW)
	12.8	16.1	18.3	17.7	17.6	17.0	14.4	12.2	12.4	12.1	13.9	13.5	15.5	17.4	16.0	12.2	8.2	10.3	8.9	11.7	7.3	8.1	8.1	7.7			
Sep 17	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	WSW	WSW	WSW	WSW	S	S	S	S	3.3	17.5	216(SSW)
	6.4	9.4	6.5	7.5	7.4	4.8	4.0	3.3	6.8	8.7	10.7	10.5	13.1	12.9	P	P	P	NRM	NRM	9.4	10.7	17.5	5.8	5.2			
Sep 18	SSW	S	SSE	SSE	SSE	SSE	ESE	ESE	SSE	S	S	SSW	S	SSW	P	P	P	NRM	NRM	SE	SSE	S	SSW	SSW	3.5	14.3	178(S)
	6.2	8.3	8.3	9.5	10.7	10.8	8.5	5.8	7.5	6.5	4.6	6.6	6.1	3.5	10.4	14.3	13.6	10.0	6.7	5.4	4.0	8.6	6.9	6.3			
Sep 19	SW	SW	SW	NW	NNW	NNW	NW	NW	WNW	NW	NW	W	WNW	WSW	SW	SSW	SSW	SSW	SSW	S	S	SW	SW	SSW	3.1	15.3	254(WSW)
	6.5	8.2	7.7	7.4	6.9	5.1	5.1	5.8	8.6	10.0	9.2	10.7	12.8	15.3	9.7	9.1	7.6	5.6	5.4	5.1	3.1	3.9	3.3	3.2			
Sep 20	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	0.6	15.8	221(SSW)
	4.2	4.4	3.8	5.1	4.7	0.6	3.1	1.5	2.8	15.8	9.0	7.9	12.5	8.4	3.9	5.8	6.7	6.8	10.0	5.3	3.1	4.2	3.1	2.2			
Sep 21	S	SSE	E	SE	SSE	NE	ESE	N	NW	NNE	ENE	N	NNW	NW	NW	NNW	NW	WSW	S	SSE	SSW	S	S	SSW	2.2	24.1	69(ENE)
	2.2	5.5	7.1	5.9	4.6	6.9	5.4	11.2	13.9	16.0	18.4	21.4	19.3	24.1	20.3	14.3	15.5	11.3	10.8	10.4	7.1	7.6	9.6	7.8			
Sep 22	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	SSE	SSE	S	S	S	SSE	SSE	SSE	S	SSW	SSW	SSW	3.2	16.1	174(S)
	5.7	8.3	10.8	9.1	12.0	13.6	9.3	11.4	10.3	11.9	12.5	14.0	14.6	11.4	10.9	16.1	7.2	5.3	5.9	5.8	4.5	3.2	5.3	4.0			
Sep 23	SW	SSW	S	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	SSW	3.6	19.5	216(SSW)
	3.6	6.5	7.7	6.7	5.4	6.1	8.1	7.6	9.0	7.7	9.9	16.2	16.1	18.2	13.8	14.8	18.8	19.5	16.0	13.5	8.3	10.3	5.8	15.2			
Sep 24	S	S	SSE	SSE	S	SSE	S	S	S	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSE	SSW	SSW	3.4	24.5	201(SSW)
	19.7	21.2	24.5	19.1	15.9	14.6	13.6	15.0	12.1	14.5	15.4	13.8	15.2	15.5	16.6	13.7	8.0	5.2	3.4	4.4	7.4	5.7	6.4	11.6			
Sep 25	WSW	SW	SW	SW	SW	SSW	SSW	WSW	W	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	SSW	SSE	SE	SSE	SE	E	2.2	18.0	239(WSW)
	16.1	17.1	18.0	11.7	5.9	10.1	2.2	3.4	4.0	8.6	8.6	11.4	14.5	14.1	15.0	15.4	14.3	11.1	9.9	5.8	6.5	7.9	7.4	8.3			
Sep 26	E	ESE	SE	ESE	SE	W	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	SSW	SSW	SSW	SSW	WSW	WSW	WSW	WSW	5.9	21.5	197(SSW)
	7.1	7.8	8.4	7.8	8.9	9.4	10.4	10.4	14.2	18.6	21.5	17.9	18.1	20.3	17.1	18.0	15.1	10.7	6.6	11.6	5.9	6.7	9.0	9.4			
Sep 27	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	WSW	WSW	WSW	WSW	WSW	WSW	SSW	SSW	SE	SSE	0.0	20.2	236(SSW)
	0.7	6.6	0.0	2.3	4.1	4.4	4.6	5.1	7.1	11.4	10.5	8.8	4.6	6.7	16.4	15.2	16.1	10.7	14.5	14.3	16.3	17.7	20.2	19.6			
Sep 28	S	S	ENE	NNE	ESE	ESE	ESE	ESE	SE	SSE	S	S	SSW	S	SW	WSW	W	WSW	WSW	W	WSW	WSW	WSW	SW	2.7	14.9	224(SSW)
	14.9	14.0	11.9	12.5	14.5	12.4	11.7	13.2	13.4	14.8	12.4	13.6	13.8	14.5	13.3	12.7	9.3	6.2	2.7	4.5	6.1	6.2	5.2	5.0			
Sep 29	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SE	E	ESE	ESE	E	0.4	9.7	217(SSW)
	5.5	5.9	8.9	2.3	0.5	2.1	0.4	1.4	1.3	3.6	1.8	3.7	3.8	3.4	3.												

842-B STATION

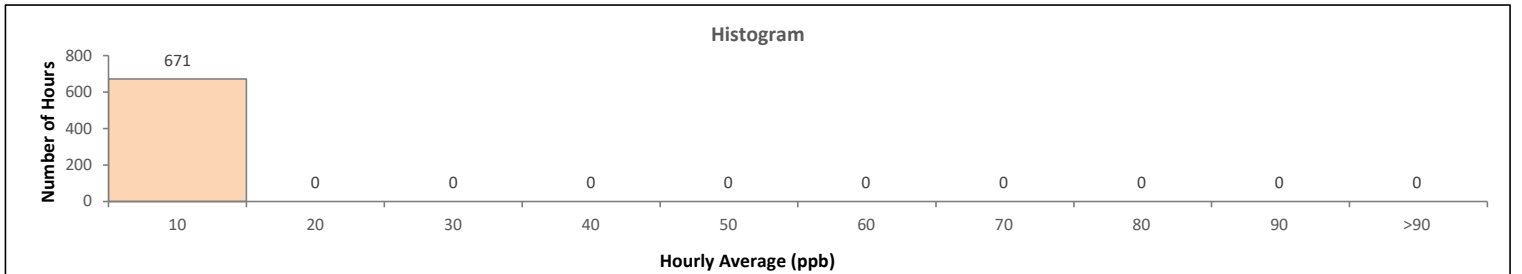
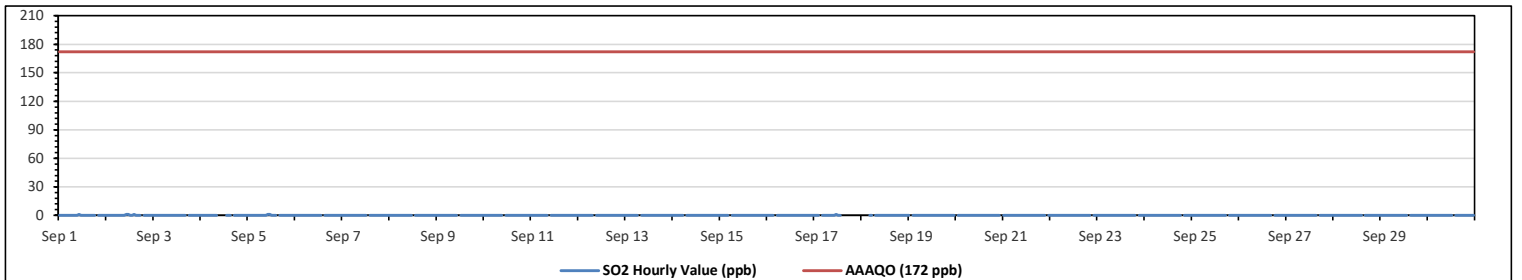
Peace River Area Monitoring Program

842-B Station - September 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO₂) 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 Sep 1 at hr 10					Hours in Service:					720														
Maximum Daily Value:					0.1 ppb on Sep 2					Hours of Data:					671														
Minimum Hourly Value:					0 ppb on Sep 1 at hr 0					Hours of Missing Data:					14														
Minimum Daily Value:					0.0 ppb on Sep 3					Hours of Calibration:					35														
Monthly Average:					0.0 ppb					Operational Uptime:					98.1														
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average		
Sep 1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0.0		
Sep 2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	S	0	0	0	0	0	0	1	0.1		
Sep 3	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		
Sep 4	0	0	0	0	0	0	0	0	0	C	C	C	C	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0		
Sep 5	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	S	0	0	0	0	0	0	0	0	0	1	0.1		
Sep 6	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		
Sep 7	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		
Sep 8	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		
Sep 9	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		
Sep 10	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		
Sep 11	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		
Sep 12	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		
Sep 13	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		
Sep 14	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		
Sep 15	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		
Sep 16	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		
Sep 17	0	0	0	S	0	0	0	0	0	0	0	1	0	0	P	P	P	P	P	P	P	P	P	P	0	1	NA		
Sep 18	P	P	P	P	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0		
Sep 19	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		
Sep 20	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0		
Sep 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		
Sep 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		
Sep 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		
Sep 24	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		
Sep 25	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		
Sep 26	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		
Sep 27	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		
Sep 28	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		
Sep 29	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		
Sep 30	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		
Diurnal Maximum	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	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	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance						
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance						
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure						
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																													
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																													

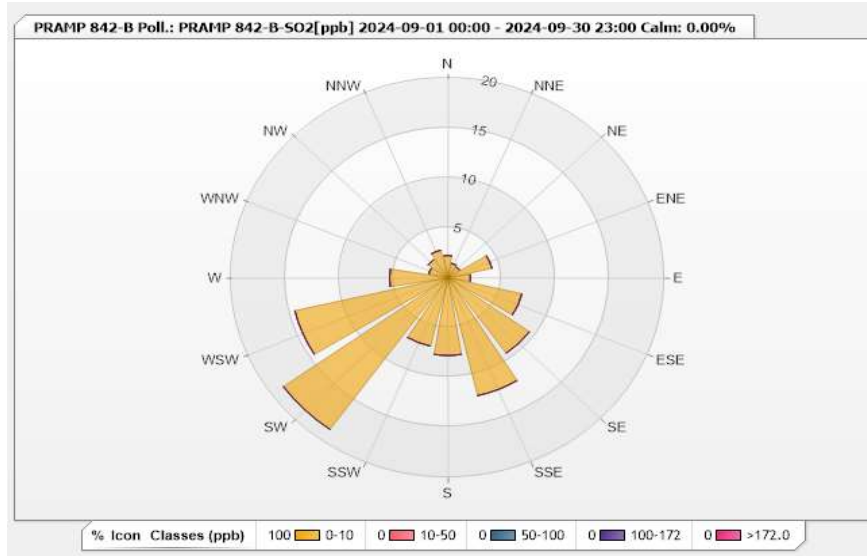


Station: PRAMP 842-B Poll.: PRAMP 842-B-SO2[ppb] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 92.92% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	2.24	0	0	0	0	2.24
NNE	1.49	0	0	0	0	1.49
NE	1.35	0	0	0	0	1.35
ENE	4.19	0	0	0	0	4.19
E	2.09	0	0	0	0	2.09
ESE	7.03	0	0	0	0	7.03
SE	9.27	0	0	0	0	9.27
SSE	12.11	0	0	0	0	12.11
S	7.77	0	0	0	0	7.77
SSW	7.03	0	0	0	0	7.03
SW	18.68	0	0	0	0	18.68
WSW	14.5	0	0	0	0	14.5
W	5.38	0	0	0	0	5.38
WNW	1.79	0	0	0	0	1.79
NW	2.24	0	0	0	0	2.24
NNW	2.84	0	0	0	0	2.84
Summary	100	0	0	0	0	100



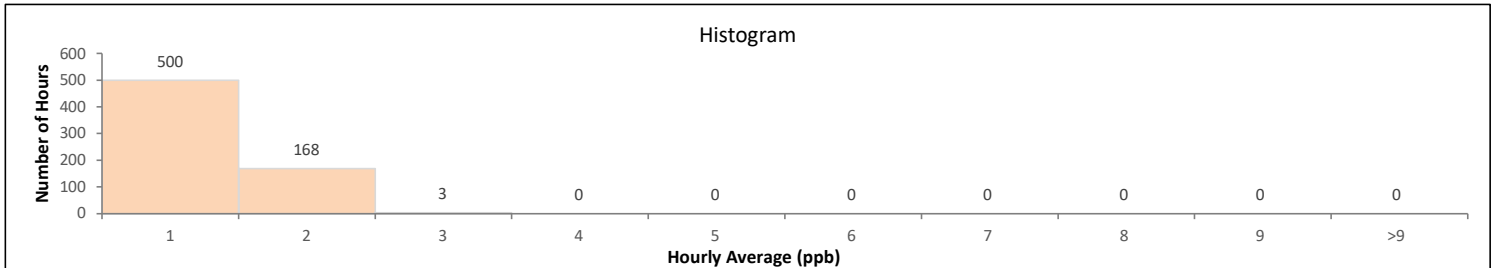
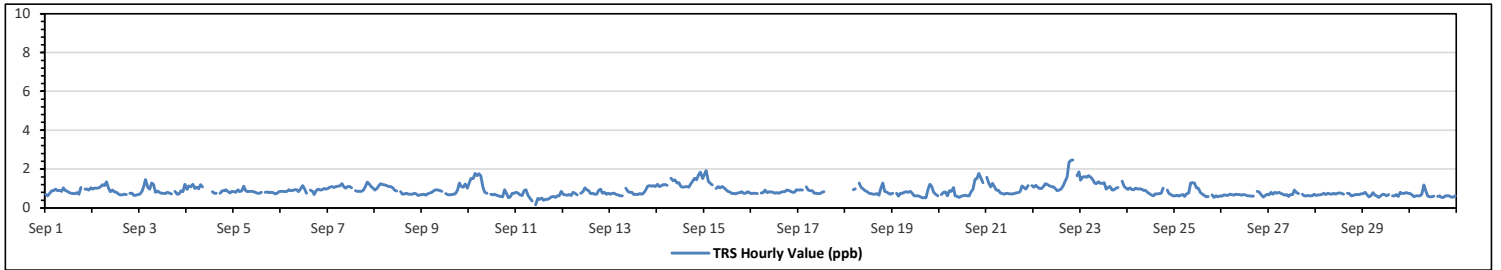
Peace River Area Monitoring Program

842-B Station - September 2024

Summary of Hourly Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

Maximum Hourly Value:	2.46	ppb	on Sep 22 at hr 20	Hours in Service:	720																																												
Maximum Daily Value:	1.34	ppb	on Sep 22	Hours of Data:	671																																												
Minimum Hourly Value:	0.16	ppb	on Sep 11 at hr 10	Hours of Missing Data:	14																																												
Minimum Daily Value:	0.58	ppb	on Sep 11	Hours of Calibration:	35																																												
Monthly Average:	0.88	ppb		Operational Uptime:	98.1																																												
Day	0	1	2	3	4	5	6	7	8	9	Hourly Period Starting at (MST)													14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average													
Sep 1	0.71	0.62	0.73	0.89	0.89	0.98	0.89	0.9	0.86	1.04	0.9	0.85	0.78	0.76	0.73	0.73	0.78	0.71	1.05	S	0.96	0.98	0.91	1.03	0.62	1.05	0.86																						
Sep 2	0.96	1.02	1.02	1.03	1.08	1.2	1.16	1.35	1.03	0.84	0.92	0.83	0.8	0.72	0.67	0.67	0.71	0.69	S	0.75	0.75	0.64	0.65	0.68	0.64	1.35	0.88																						
Sep 3	0.71	0.86	1.08	1.47	1.07	0.96	1.29	1.22	0.79	0.87	0.8	0.76	0.74	0.73	0.79	0.77	0.72	S	0.86	0.71	0.72	0.89	0.83	1.21	0.71	1.47	0.91																						
Sep 4	0.95	1.13	1.08	1.22	1	1.07	0.99	1.2	1.08	C	C	C	C	0.83	0.75	0.76	S	0.75	0.89	0.88	0.93	0.83	0.77	0.85	0.75	1.22	0.95																						
Sep 5	0.83	0.79	0.93	0.83	0.88	1.12	0.88	0.84	0.85	0.85	0.83	0.79	0.75	0.75	0.79	S	0.81	0.82	0.78	0.79	0.78	0.72	0.75	0.83	0.72	1.12	0.83																						
Sep 6	0.86	0.85	0.84	0.86	0.94	0.88	0.9	0.93	0.94	0.84	0.98	1.16	0.99	0.76	S	0.92	0.85	0.69	0.9	0.97	0.91	0.93	1	0.97	0.69	1.16	0.91																						
Sep 7	1	1.06	1.11	1.05	1.1	1.12	1.13	1.24	1.09	1.01	1.09	1.09	1.03	S	0.89	0.85	0.85	0.85	0.91	1.1	1.34	1.23	1.1	1.02	0.85	1.34	1.05																						
Sep 8	0.92	1.02	1.17	1.25	1.19	1.18	1.16	1.09	1.09	1.04	0.92	0.87	S	0.84	0.71	0.72	0.75	0.71	0.71	0.71	0.75	0.72	0.64	0.67	0.64	1.25	0.91																						
Sep 9	0.69	0.71	0.66	0.73	0.77	0.8	0.88	0.93	0.91	0.9	0.85	S	0.73	0.68	0.67	0.69	0.71	0.72	0.91	1.29	1.09	1.07	1.23	1.01	0.66	1.29	0.85																						
Sep 10	1.26	1.51	1.5	1.78	1.66	1.76	1.65	1.09	0.8	0.75	S	0.71	0.67	0.7	0.65	0.62	0.59	0.57	0.93	0.76	0.52	0.58	0.75	0.74	0.52	1.78	0.98																						
Sep 11	0.79	0.75	0.67	0.64	0.89	0.94	0.66	0.51	0.36	S	0.16	0.49	0.45	0.5	0.39	0.45	0.45	0.49	0.58	0.59	0.54	0.61	0.63	0.86	0.16	0.94	0.58																						
Sep 12	0.69	0.67	0.65	0.68	0.64	0.8	0.75	0.67	S	0.74	0.84	1.03	0.93	0.89	0.73	0.75	0.71	0.7	0.9	0.96	0.75	0.8	0.7	0.75	0.64	1.03	0.77																						
Sep 13	0.71	0.76	0.74	0.69	0.67	0.62	0.61	S	1.01	0.84	0.79	0.81	0.68	0.7	0.69	0.73	0.71	0.77	0.92	1.12	1.15	1.12	1.16	1.1	0.61	1.16	0.83																						
Sep 14	1.21	1.1	1.13	1.2	1.2	1.17	S	1.53	1.39	1.44	1.27	1.3	1.1	1.07	1.08	1.09	1.06	1.22	1.38	1.53	1.45	1.69	1.84	1.51	1.06	1.84	1.30																						
Sep 15	1.71	1.93	1.36	1.26	1.18	S	1	1.11	1.03	1.09	1.03	0.94	0.85	0.82	0.73	0.75	0.72	0.77	0.78	0.83	0.75	0.75	0.84	0.78	0.72	1.93	1.00																						
Sep 16	0.73	0.76	0.74	0.73	S	0.77	0.78	0.92	0.78	0.83	0.82	0.81	0.74	0.78	0.75	0.8	0.83	0.83	0.91	0.9	0.85	0.81	0.8	0.93	0.73	0.93	0.81																						
Sep 17	0.91	0.94	0.92	S	1.08	0.92	0.89	0.89	0.76	0.75	0.73	0.73	0.8	0.84	P	P	P	P	P	P	P	P	P	P	0.73	1.08	NA																						
Sep 18	P	P	P	P	P	0.94	0.99	S	1.27	1.06	0.98	0.89	0.83	0.74	0.73	0.71	0.71	0.73	0.66	1.02	1.28	0.85	0.81	0.74	0.71	0.66	1.28	0.88																					
Sep 19	0.76	S	0.76	0.6	0.75	0.76	0.81	0.83	0.8	0.85	0.74	0.62	0.63	0.62	0.59	0.53	0.53	0.53	0.94	1.22	1.11	0.8	0.71	0.63	0.53	1.22	0.74																						
Sep 20	S	0.68	0.79	0.82	0.61	0.89	0.86	1.05	0.63	0.59	0.54	0.6	0.62	0.65	0.61	0.61	0.8	0.97	1.46	1.51	1.78	1.56	1.3	S	0.54	1.78	0.91																						
Sep 21	1.58	1.27	1.08	1.26	1.08	0.92	0.9	0.77	0.73	0.7	0.76	0.73	0.72	0.72	0.73	0.77	0.78	0.84	1.13	1.05	0.98	1.14	S	1.14	0.70	1.58	0.95																						
Sep 22	1.07	1.17	1.07	1	1	1.1	1.24	1.19	1.13	1.09	1.08	1	0.88	0.92	0.97	1.15	1.37	1.59	2.36	2.45	2.46	S	1.66	1.85	0.88	2.46	1.34																						
Sep 23	1.43	1.6	1.61	1.58	1.66	1.6	1.47	1.29	1.24	1.35	1.26	1.26	1.3	0.97	1.06	1.1	0.92	0.93	1.01	1.05	S	1.38	1.12	1.03	0.92	1.66	1.27																						
Sep 24	0.95	1.04	0.95	0.94	1.02	0.97	0.99	0.97	0.9	0.9	0.81	0.73	0.67	0.61	0.72	0.72	0.73	0.76	1.02	S	0.91	0.74	0.68	0.62	0.61	1.04	0.84																						
Sep 25	0.63	0.66	0.6	0.65	0.68	0.59	0.72	0.77	1.27	1.3	1.29	1.04	1.02	0.79	0.71	0.64	0.58	0.59	S	0.67	0.54	0.61	0.57	0.62	0.54	1.30	0.76																						
Sep 26	0.6	0.67	0.65	0.64	0.7	0.69	0.65	0.7	0.69	0.68	0.66	0.69	0.67	0.62	0.62	0.6	0.6	S	0.85	0.82	0.68	0.55	0.63	0.7	0.55	0.85	0.67																						
Sep 27	0.67	0.81	0.7	0.79	0.76	0.79	0.76	0.7	0.66	0.68	0.59	0.69	0.69	0.92	0.8	0.73	S	0.71	0.63	0.63	0.64	0.63	0.63	0.71	0.59	0.92	0.71																						
Sep 28	0.64	0.67	0.67	0.7	0.75	0.68	0.74	0.72	0.71	0.74	0.71	0.74	0.77	0.76	0.71	S	0.75	0.73	0.63	0.64	0.68	0.69	0.68	0.72	0.63	0.77	0.71																						
Sep 29	0.73	0.8	0.68	0.56	0.62	0.78	0.66	0.62	0.54	0.61	0.7	0.69	0.63	0.68	S	0.63	0.63	0.68	0.59	0.79	0.73	0.76	0.78	0.74	0.54	0.80	0.68																						
Sep 30	0.73	0.67	0.58	0.63	0.63	0.61	0.69	1.18	0.87	0.6	0.57	0.56	0.6	S	0.59	0.61	0.54	0.54	0.63	0.63	0.55	0.55	0.63	0.54	1.18	0.64	0.64																						
Diurnal Maximum	1.71	1.93	1.61	1.78	1.66	1.76	1.65	1.53	1.39	1.44	1.29	1.30	1.30	1.07	1.08	1.15	1.37	1.59	2.36	2.45	2.46	1.69	1.84	1.85																									
Diurnal Average	0.91	0.95	0.91	0.95	0.95	0.93	0.98	0.90	0.89	0.84	0.83	0.79	0.76	0.73	0.74	0.75	0.77	0.95	0.99	0.94	0.88	0.88	0.89																										
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance																										
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance																										
X	Invalid Data (Equipment Malfunction / Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure																										
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																																	
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																																	

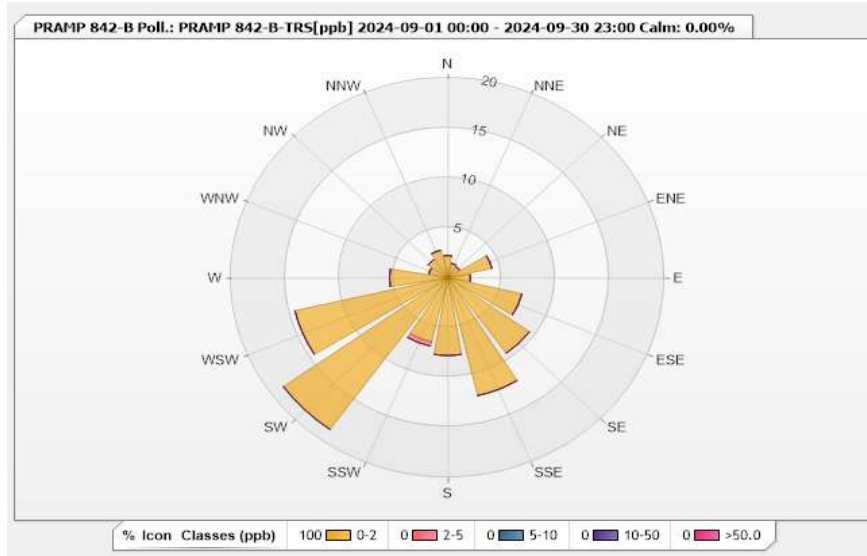


Station: PRAMP 842-B Poll.: PRAMP 842-B-TRS[ppb] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 92.92% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	2.24	0	0	0	0	2.24
NNE	1.49	0	0	0	0	1.49
NE	1.35	0	0	0	0	1.35
ENE	4.19	0	0	0	0	4.19
E	2.09	0	0	0	0	2.09
ESE	7.03	0	0	0	0	7.03
SE	9.27	0	0	0	0	9.27
SSE	12.11	0	0	0	0	12.11
S	7.77	0	0	0	0	7.77
SSW	6.58	0.45	0	0	0	7.03
SW	18.68	0	0	0	0	18.68
WSW	14.5	0	0	0	0	14.5
W	5.38	0	0	0	0	5.38
WNW	1.79	0	0	0	0	1.79
NW	2.24	0	0	0	0	2.24
NNW	2.84	0	0	0	0	2.84
Summary	100	0.45	0	0	0	100



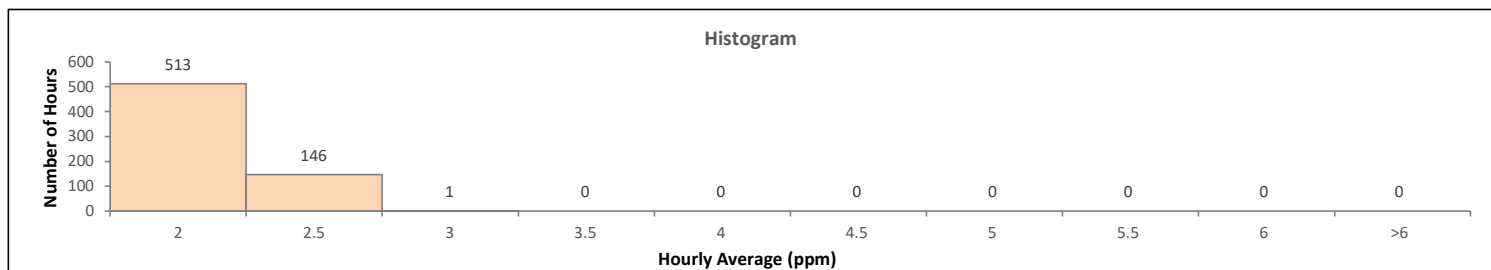
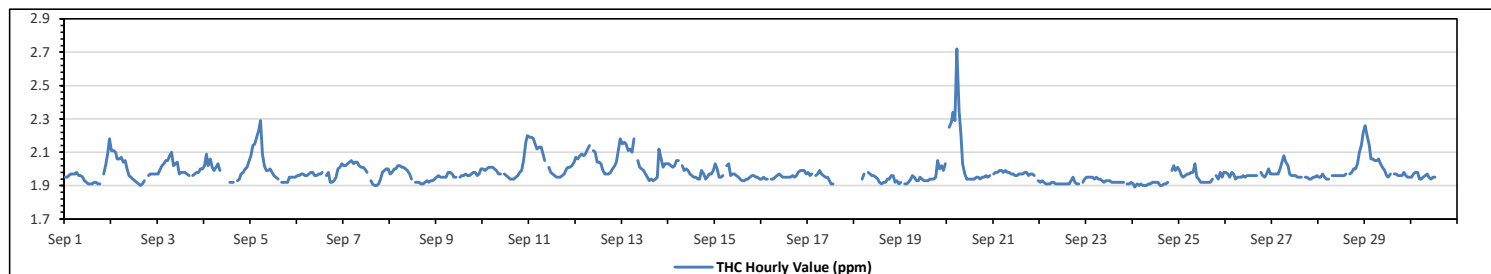
Peace River Area Monitoring Program

842-B Station - September 2024

Summary of Hourly Averages

TOTAL HYDROCARBONS (THC) in ppm

Maximum Hourly Value:	2.72	ppm	on Sep 20 at hr 5	Hours in Service:	720																																		
Maximum Daily Value:	2.08	ppm	on Sep 20	Hours of Data:	660																																		
Minimum Hourly Value:	1.89	ppm	on Sep 24 at hr 1	Hours of Missing Data:	25																																		
Minimum Daily Value:	1.92	ppm	on Sep 22	Hours of Calibration:	35																																		
Monthly Average:	1.98	ppm		Operational Uptime:	96.5																																		
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average													
Sep 1	1.95	1.95	1.96	1.97	1.97	1.97	1.98	1.96	1.96	1.95	1.93	1.92	1.91	1.91	1.91	1.92	1.92	1.91	1.91	S	1.97	2.03	2.10	2.18	1.91	2.18	1.96												
Sep 2	2.11	2.11	2.10	2.06	2.06	2.07	2.04	2.05	2.00	1.96	1.95	1.94	1.93	1.92	1.91	1.90	1.91	1.93	S	1.96	1.97	1.97	1.97	1.97	1.90	2.11	1.99												
Sep 3	1.97	1.99	2.02	2.03	2.05	2.05	2.08	2.10	2.02	2.03	2.04	1.97	1.98	1.98	1.98	1.97	1.96	S	1.96	1.97	1.98	1.98	2.00	2.00	1.96	2.10	2.00												
Sep 4	2.02	2.09	2.02	2.06	2.01	1.99	2.01	2.03	1.99	C	C	C	C	1.92	1.92	1.92	S	1.93	1.94	1.97	1.98	2.00	2.01	2.04	1.92	2.09	1.99												
Sep 5	2.08	2.14	2.15	2.19	2.23	2.29	2.09	2.02	1.99	1.99	2.00	1.98	1.96	1.95	1.94	S	1.92	1.92	1.92	1.92	1.95	1.95	1.95	1.95	1.92	2.29	2.02												
Sep 6	1.96	1.96	1.97	1.97	1.96	1.96	1.97	1.98	1.98	1.96	1.96	1.97	1.97	1.98	S	1.96	1.98	1.92	1.92	1.93	1.95	2.00	2.01	2.03	1.92	2.03	1.97												
Sep 7	2.02	2.02	2.03	2.04	2.05	2.03	2.04	2.04	2.02	2.01	2.01	2.00	1.98	S	1.93	1.91	1.90	1.90	1.91	1.94	1.98	1.99	2.00	2.00	1.90	2.05	1.99												
Sep 8	1.97	1.98	2.00	2.00	2.02	2.02	2.01	2.01	2.00	1.99	1.97	1.94	S	1.92	1.92	1.92	1.91	1.91	1.92	1.93	1.92	1.93	1.93	1.94	1.91	2.02	1.96												
Sep 9	1.95	1.96	1.95	1.95	1.95	1.95	1.98	1.98	1.97	1.95	1.95	S	1.95	1.96	1.96	1.97	1.96	1.96	1.97	1.98	1.98	1.96	1.97	2.00	1.95	2.00	1.96												
Sep 10	2.00	1.99	2.00	2.01	2.01	2.01	2.00	1.99	1.97	1.97	S	1.97	1.96	1.95	1.94	1.94	1.94	1.95	1.96	1.98	1.99	2.05	2.16	2.20	1.94	2.20	2.00												
Sep 11	2.19	2.19	2.18	2.15	2.12	2.13	2.13	2.09	2.05	S	2.01	1.98	1.97	1.96	1.95	1.95	1.95	1.96	1.97	2.00	2.01	2.01	2.02	2.04	1.95	2.19	2.04												
Sep 12	2.07	2.06	2.08	2.09	2.08	2.09	2.12	2.14	S	2.11	2.10	2.04	2.04	2.03	1.99	1.97	1.97	1.97	1.98	2.00	2.02	2.04	2.11	2.18	1.97	2.18	2.06												
Sep 13	2.15	2.16	2.15	2.11	2.12	2.10	2.18	S	2.05	2.01	2.00	1.99	1.97	1.95	1.93	1.94	1.93	1.94	1.95	2.12	2.07	2.01	2.03	2.03	1.93	2.18	2.04												
Sep 14	2.03	2.02	2.01	2.02	2.05	2.05	S	2.02	1.99	2.00	1.99	1.97	1.96	1.95	1.95	1.94	1.94	1.99	1.97	1.94	1.95	1.97	1.97	1.99	1.94	2.05	1.99												
Sep 15	2.03	2.00	1.95	1.95	1.96	S	2.02	2.03	1.96	1.97	1.97	1.96	1.95	1.94	1.93	1.93	1.94	1.94	1.95	1.96	1.96	1.95	1.95	1.94	1.93	2.03	1.96												
Sep 16	1.94	1.95	1.94	1.94	S	1.94	1.94	1.95	1.96	1.97	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.95	1.96	1.98	1.99	1.99	1.99	1.97	1.94	1.99	1.96												
Sep 17	1.98	1.96	1.97	S	1.96	1.97	1.99	1.97	1.96	1.95	1.95	1.93	1.91	1.91	P	P	P	P	P	P	P	P	P	P	1.91	1.99	NA												
Sep 18	P	P	P	P	1.94	1.97	S	1.98	1.97	1.96	1.96	1.95	1.94	1.92	1.91	1.92	1.92	1.94	1.94	1.96	1.96	1.92	1.93	1.91	1.91	1.98	1.94												
Sep 19	1.92	S	1.91	1.91	1.92	1.94	1.96	1.95	1.93	1.93	1.95	1.94	1.93	1.93	1.93	1.94	1.94	1.94	1.95	2.05	2.00	2.02	1.99	2.03	1.91	2.05	1.95												
Sep 20	S	2.25	2.28	2.34	2.29	2.72	2.35	2.20	2.03	1.97	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.94	1.95	1.95	1.96	1.95	1.96	S	1.94	2.72	2.08												
Sep 21	1.97	1.98	1.98	1.99	1.99	1.98	1.99	1.98	1.98	1.97	1.97	1.96	1.96	1.97	1.97	1.97	1.98	1.98	1.96	1.97	1.97	1.96	S	1.93	1.93	1.99	1.97												
Sep 22	1.92	1.93	1.92	1.91	1.91	1.91	1.92	1.92	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.93	1.95	1.92	1.91	1.91	S	1.92	1.94	1.91	1.95	1.92												
Sep 23	1.95	1.95	1.95	1.95	1.94	1.95	1.94	1.94	1.93	1.92	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	S	1.91	1.91	1.92	1.91	1.95	1.93												
Sep 24	1.91	1.89	1.91	1.90	1.91	1.90	1.90	1.90	1.91	1.91	1.92	1.92	1.92	1.92	1.90	1.90	1.91	1.91	1.92	S	1.99	2.02	1.99	2.01	1.89	2.02	1.92												
Sep 25	1.99	1.96	1.95	1.96	1.97	1.97	1.98	1.98	2.03	1.95	1.94	1.92	1.92	1.92	1.92	1.92	1.92	1.94	S	1.96	1.94	1.98	1.95	1.98	1.92	2.03	1.95												
Sep 26	1.98	1.97	1.95	1.98	1.97	1.94	1.95	1.95	1.95	1.96	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	S	1.98	1.96	1.95	1.97	2.00	1.97	1.94	2.00	1.96											
Sep 27	1.97	1.97	1.97	1.97	2.00	2.04	2.08	2.04	2.02	1.97	1.96	1.96	1.96	1.95	1.95	1.95	S	1.95	1.95	1.94	1.94	1.95	1.95	1.96	1.94	2.08	1.97												
Sep 28	1.95	1.95	1.97	1.95	1.94	1.94	NRM	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.97	S	1.97	1.98	2.00	2.00	2.03	2.10	2.14	2.22	1.94	2.22	1.99												
Sep 29	2.26	2.20	2.14	2.06	2.06	2.05	2.05	2.06	2.03	2.01	1.99	1.96	1.95	1.97	S	1.97	1.97	1.96	1.96	1.96	1.98	1.96	1.95	1.95	1.95	1.95	2.26	2.02											
Sep 30	1.95	1.97	1.98	1.98	1.94	1.94	1.95	1.96	1.97	1.95	1.94	1.95	1.95	S	X	X	X	X	X	X	X	X	X	X	1.94	1.98	NA												
Diurnal Maximum	2.26	2.25	2.28	2.34	2.29	2.72	2.35	2.20	2.05	2.11	2.10	2.04	2.04	2.03	1.99	1.97	1.98	1.99	2.00	2.12	2.07	2.10	2.16	2.22															
Diurnal Average	2.01	2.02	2.01	2.02	2.01	2.03			1.98	1.97	1.97	1.96	1.95	1.94	1.94	1.94	1.94	1.94	1.95	1.97	1.97	1.98	1.99	2.01															
C	Monthly Calibration						S	Daily Zero-Span Check						Q	Quality Assurance																								
K	Collection Error							No Data (Machine Not in Service)						Y	Routine Maintenance						P	Power Failure																	
X	Invalid Data (Equipment Malfunction/Recovery)						ND	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)																															
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																							
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																							

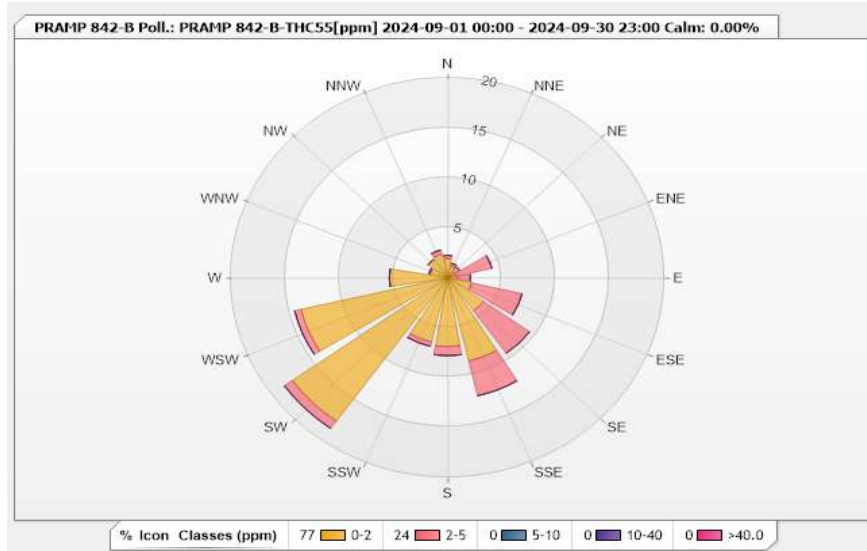


Station: PRAMP 842-B Poll.: PRAMP 842-B-THC55[ppm] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 0.9139 Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	1.98	0.3	0	0	0	2.28
NNE	1.22	0.3	0	0	0	1.52
NE	0.15	1.22	0	0	0	1.37
ENE	0.76	3.5	0	0	0	4.26
E	0.91	1.22	0	0	0	2.13
ESE	2.28	4.86	0	0	0	7.14
SE	4.1	5.32	0	0	0	9.42
SSE	8.66	3.65	0	0	0	12.31
S	6.99	0.91	0	0	0	7.9
SSW	6.69	0.46	0	0	0	7.15
SW	17.78	0.91	0	0	0	18.69
WSW	13.22	0.61	0	0	0	13.83
W	5.02	0	0	0	0	5.02
WNW	1.67	0.15	0	0	0	1.82
NW	2.28	0	0	0	0	2.28
NNW	2.43	0.46	0	0	0	2.89
Summary	76.14	23.87	0	0	0	100



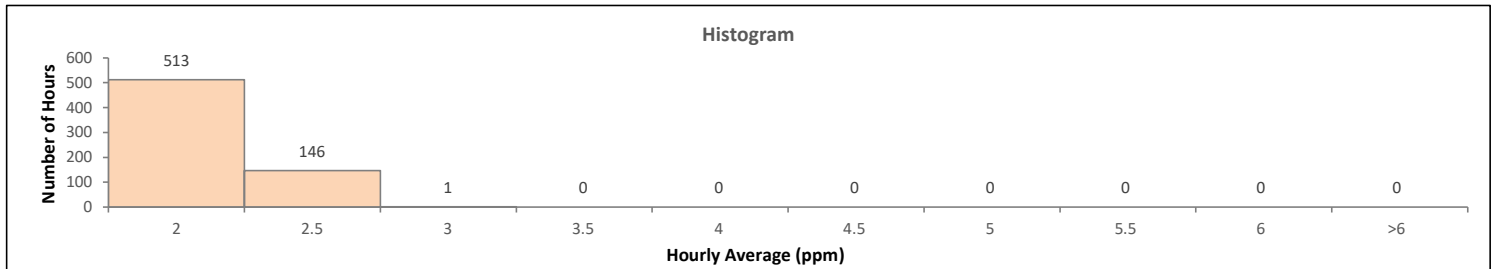
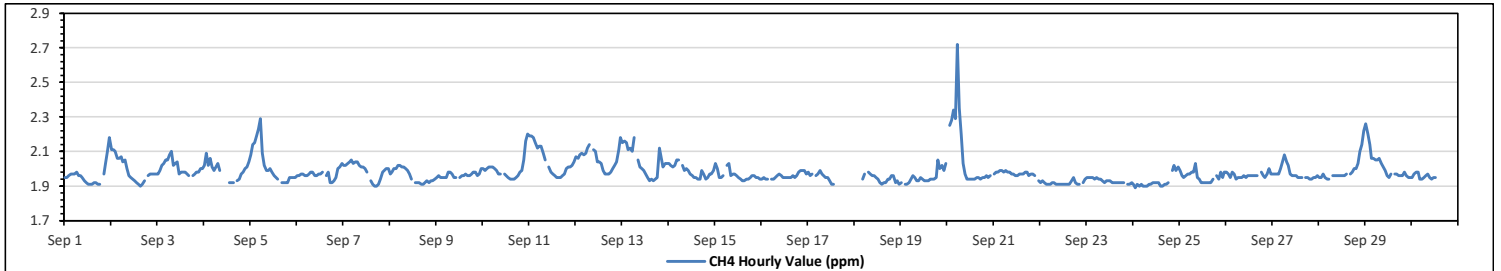
Peace River Area Monitoring Program

842-B Station - September 2024

Summary of Hourly Averages

METHANE (CH4) in ppm

Maximum Hourly Value:	2.72	ppm	on Sep 20 at hr 5	Hours in Service:	720																																						
Maximum Daily Value:	2.08	ppm	on Sep 20	Hours of Data:	660																																						
Minimum Hourly Value:	1.89	ppm	on Sep 24 at hr 1	Hours of Missing Data:	25																																						
Minimum Daily Value:	1.92	ppm	on Sep 22	Hours of Calibration:	35																																						
Monthly Average:	1.98	ppm		Operational Uptime:	96.5																																						
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average																	
Sep 1	1.95	1.95	1.96	1.97	1.97	1.97	1.98	1.96	1.96	1.95	1.93	1.92	1.91	1.91	1.91	1.92	1.92	1.91	1.91	S	1.97	2.03	2.10	2.18	1.91	2.18	1.96																
Sep 2	2.11	2.11	2.10	2.06	2.06	2.07	2.04	2.05	2.00	1.96	1.95	1.94	1.93	1.92	1.91	1.90	1.91	1.93	S	1.96	1.97	1.97	1.97	1.97	1.90	2.11	1.99																
Sep 3	1.97	1.99	2.02	2.03	2.05	2.05	2.08	2.10	2.02	2.03	2.04	1.97	1.98	1.98	1.98	1.97	1.96	S	1.96	1.97	1.98	1.98	2.00	2.00	1.96	2.10	2.00																
Sep 4	2.02	2.09	2.02	2.06	2.01	1.99	2.01	2.03	1.99	C	C	C	C	C	1.92	1.92	1.92	S	1.93	1.94	1.97	1.98	2.00	2.01	2.04	1.92	2.09	1.99															
Sep 5	2.08	2.14	2.15	2.19	2.23	2.29	2.09	2.02	1.99	1.99	2.00	1.98	1.96	1.95	1.94	S	1.92	1.92	1.92	1.92	1.95	1.95	1.95	1.95	1.92	2.29	2.02																
Sep 6	1.96	1.96	1.97	1.97	1.96	1.96	1.97	1.98	1.98	1.96	1.96	1.97	1.97	1.98	S	1.96	1.98	1.92	1.92	1.93	1.95	2.00	2.01	2.03	1.92	2.03	1.97																
Sep 7	2.02	2.02	2.03	2.04	2.05	2.03	2.04	2.04	2.02	2.01	2.01	2.00	1.98	S	1.93	1.91	1.90	1.90	1.91	1.94	1.98	1.99	2.00	2.00	1.90	2.05	1.99																
Sep 8	1.97	1.98	2.00	2.00	2.02	2.02	2.01	2.01	2.00	1.99	1.97	1.94	S	1.92	1.92	1.92	1.91	1.91	1.92	1.93	1.92	1.93	1.93	1.94	1.91	2.02	1.96																
Sep 9	1.95	1.96	1.95	1.95	1.95	1.95	1.98	1.98	1.97	1.95	1.95	S	1.95	1.96	1.96	1.97	1.96	1.96	1.97	1.98	1.98	1.96	1.97	2.00	1.95	2.00	1.96																
Sep 10	2.00	1.99	2.00	2.01	2.01	2.01	2.00	1.99	1.97	1.97	S	1.97	1.96	1.95	1.94	1.94	1.94	1.95	1.96	1.98	1.99	2.05	2.16	2.20	1.94	2.20	2.00																
Sep 11	2.19	2.19	2.18	2.15	2.12	2.13	2.13	2.09	2.05	S	2.01	1.98	1.97	1.96	1.95	1.95	1.95	1.96	1.97	2.00	2.01	2.01	2.02	2.04	1.95	2.19	2.04																
Sep 12	2.07	2.06	2.08	2.09	2.08	2.09	2.12	2.14	S	2.11	2.10	2.04	2.04	2.03	1.99	1.97	1.97	1.97	1.98	2.00	2.02	2.04	2.11	2.18	1.97	2.18	2.06																
Sep 13	2.15	2.16	2.15	2.11	2.12	2.10	2.18	S	2.05	2.01	2.00	1.99	1.97	1.95	1.93	1.94	1.93	1.94	1.95	2.12	2.07	2.01	2.03	2.03	1.93	2.18	2.04																
Sep 14	2.03	2.02	2.01	2.02	2.05	2.05	S	2.02	1.99	2.00	1.99	1.97	1.96	1.95	1.95	1.94	1.94	1.99	1.97	1.94	1.95	1.97	1.97	1.99	1.94	2.05	1.99																
Sep 15	2.03	2.00	1.95	1.95	1.96	S	2.02	2.03	1.96	1.97	1.97	1.96	1.95	1.94	1.93	1.93	1.94	1.94	1.95	1.96	1.96	1.95	1.95	1.94	1.93	2.03	1.96																
Sep 16	1.94	1.95	1.94	1.94	S	1.94	1.94	1.95	1.96	1.97	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.95	1.96	1.98	1.99	1.99	1.99	1.97	1.94	1.99	1.96																
Sep 17	1.98	1.96	1.97	S	1.96	1.97	1.99	1.97	1.96	1.95	1.95	1.93	1.91	1.91	P	P	P	P	P	P	P	P	P	P	1.91	1.99	NA																
Sep 18	P	P	P	P	P	1.94	1.97	S	1.98	1.97	1.96	1.95	1.94	1.92	1.91	1.92	1.92	1.94	1.94	1.96	1.96	1.92	1.93	1.91	1.91	1.98	1.94																
Sep 19	1.92	S	1.91	1.91	1.92	1.94	1.96	1.95	1.93	1.93	1.95	1.94	1.93	1.93	1.93	1.94	1.94	1.94	1.95	2.05	2.00	2.02	1.99	2.03	1.91	2.05	1.95																
Sep 20	S	2.25	2.28	2.34	2.29	2.72	2.35	2.20	2.03	1.97	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.94	1.95	1.95	1.96	1.95	1.96	S	1.94	2.72	2.08																
Sep 21	1.97	1.98	1.98	1.99	1.99	1.98	1.99	1.98	1.98	1.97	1.97	1.96	1.96	1.97	1.97	1.97	1.98	1.98	1.96	1.97	1.97	1.96	S	1.93	1.93	1.99	1.97																
Sep 22	1.92	1.93	1.92	1.91	1.91	1.91	1.92	1.92	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.93	1.95	1.92	1.91	1.91	S	1.92	1.94	1.91	1.95	1.92																
Sep 23	1.95	1.95	1.95	1.95	1.94	1.95	1.94	1.94	1.93	1.92	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.92	S	1.91	1.91	1.92	1.91	1.95	1.93																
Sep 24	1.91	1.89	1.91	1.90	1.91	1.90	1.90	1.90	1.91	1.91	1.92	1.92	1.92	1.92	1.90	1.90	1.91	1.91	1.92	S	1.99	2.02	1.99	2.01	1.89	2.02	1.92																
Sep 25	1.99	1.96	1.95	1.96	1.97	1.97	1.98	1.98	2.03	1.95	1.94	1.92	1.92	1.92	1.92	1.92	1.92	1.94	S	1.96	1.94	1.98	1.95	1.98	1.92	2.03	1.95																
Sep 26	1.98	1.97	1.95	1.98	1.97	1.94	1.95	1.95	1.95	1.96	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	S	1.98	1.96	1.95	1.97	2.00	1.97	1.94	2.00	1.96															
Sep 27	1.97	1.97	1.97	1.97	2.00	2.04	2.08	2.04	2.02	1.97	1.96	1.96	1.96	1.96	1.95	1.95	1.95	S	1.95	1.95	1.94	1.94	1.95	1.95	1.96	1.94	2.08	1.97															
Sep 28	1.95	1.95	1.97	1.95	1.94	1.94	NRM	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.97	S	1.97	1.98	2.00	2.00	2.03	2.10	2.14	2.22	1.94	2.22	1.99															
Sep 29	2.26	2.20	2.14	2.06	2.06	2.05	2.05	2.06	2.03	2.01	1.99	1.96	1.95	1.97	S	1.97	1.97	1.96	1.96	1.96	1.98	1.96	1.95	1.95	1.95	2.26	2.02	NA															
Sep 30	1.95	1.97	1.98	1.98	1.94	1.94	1.95	1.96	1.97	1.95	1.94	1.95	1.95	S	X	X	X	X	X	X	X	X	X	X	1.94	1.98	NA																
Diurnal Maximum	2.26	2.25	2.28	2.34	2.29	2.72	2.35	2.20	2.05	2.11	2.10	2.04	2.04	2.03	1.99	1.97	1.98	1.99	2.00	2.12	2.07	2.10	2.16	2.22																			
Diurnal Average	2.01	2.02	2.01	2.02	2.01	2.03	2.02	2.01	1.98	1.97	1.97	1.96	1.95	1.94	1.94	1.94	1.94	1.94	1.95	1.97	1.97	1.98	1.99	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.																																											

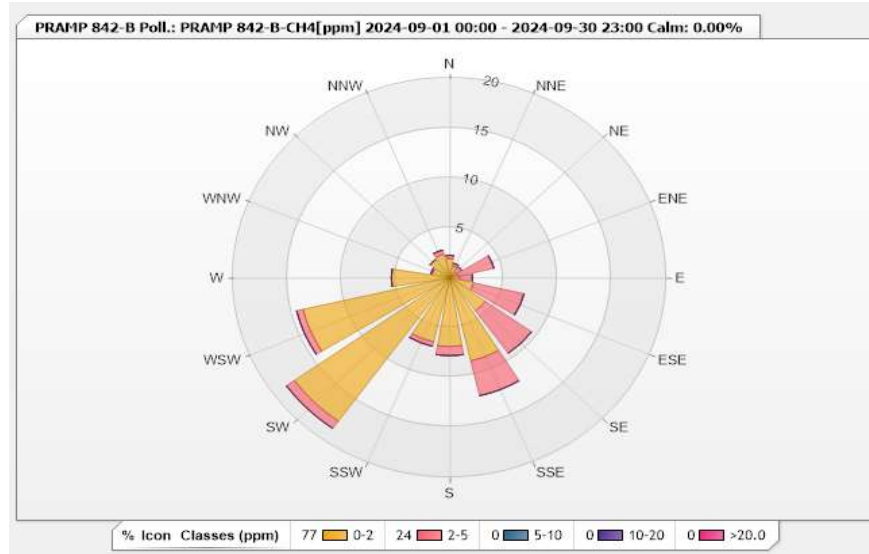


Station: PRAMP 842-B Poll.: PRAMP 842-B-CH4[ppm] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 0.9139 Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	1.98	0.3	0	0	0	2.28
NNE	1.22	0.3	0	0	0	1.52
NE	0.15	1.22	0	0	0	1.37
ENE	0.76	3.5	0	0	0	4.26
E	0.91	1.22	0	0	0	2.13
ESE	2.28	4.86	0	0	0	7.14
SE	4.1	5.32	0	0	0	9.42
SSE	8.66	3.65	0	0	0	12.31
S	6.99	0.91	0	0	0	7.9
SSW	6.69	0.46	0	0	0	7.15
SW	17.78	0.91	0	0	0	18.69
WSW	13.22	0.61	0	0	0	13.83
W	5.02	0	0	0	0	5.02
WNW	1.67	0.15	0	0	0	1.82
NW	2.28	0	0	0	0	2.28
NNW	2.43	0.46	0	0	0	2.89
Summary	76.14	23.87	0	0	0	100



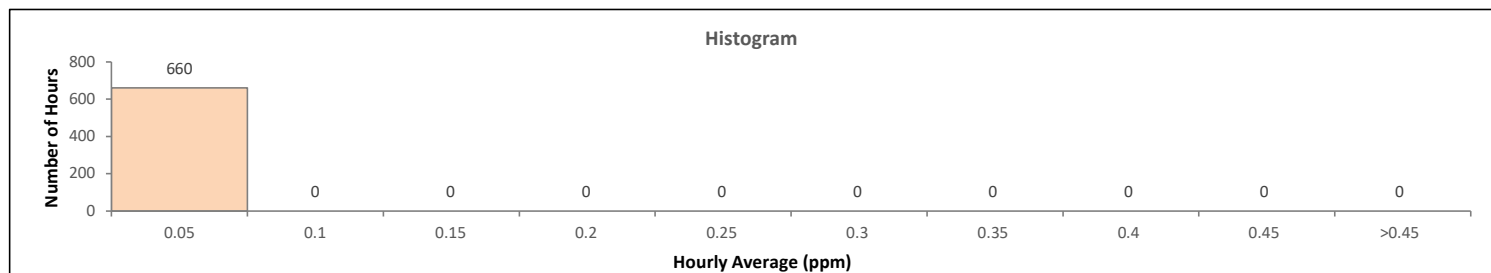
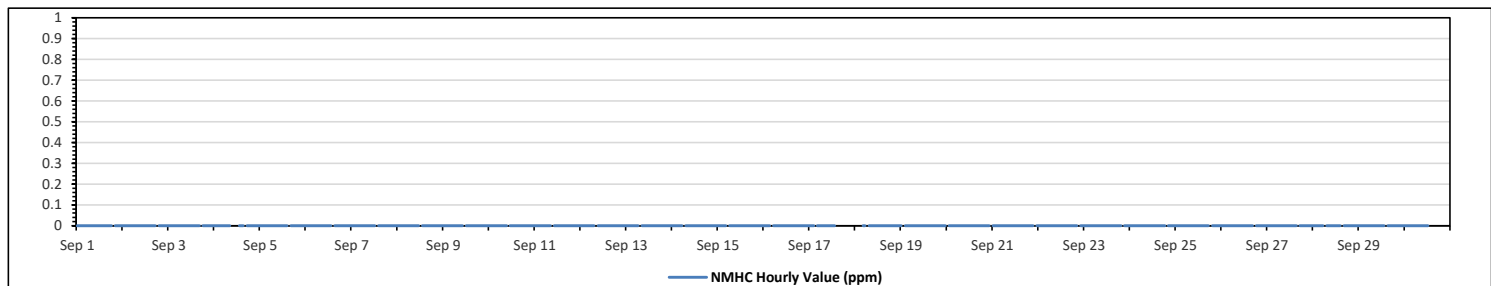
Peace River Area Monitoring Program

842-B Station - September 2024

Summary of Hourly Averages

NON-METHANE HYDROCARBONS (NMHC) in ppm

Maximum Hourly Value:	0.00	ppm	on Sep 1 at hr 0	Hours in Service:	720																										
Maximum Daily Value:	0.00	ppm	on Sep 1	Hours of Data:	660																										
Minimum Hourly Value:	0.00	ppm	on Sep 1 at hr 0	Hours of Missing Data:	25																										
Minimum Daily Value:	0.00	ppm	on Sep 1	Hours of Calibration:	35																										
Monthly Average:	0.00	ppm		Operational Uptime:	96.5																										
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average				
Sep 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 4	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	0.00					
Sep 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 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	0.00	0.00	0.00					
Sep 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	0.00	0.00	0.00	0.00					
Sep 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	0.00	0.00	0.00					
Sep 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	P	P	P	P	P	P	P	P	P	0.00	0.00	NA				
Sep 18	P	P	P	P	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 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	0.00	0.00	0.00	0.00	0.00					
Sep 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	0.00	0.00	0.00	0.00	\$	0.00					
Sep 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 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	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00					
Sep 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	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00					
Sep 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 28	0.00	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					
Sep 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Sep 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$	X	X	X	X	X	X	X	X	X	0.00	0.00	NA				
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	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	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.																															

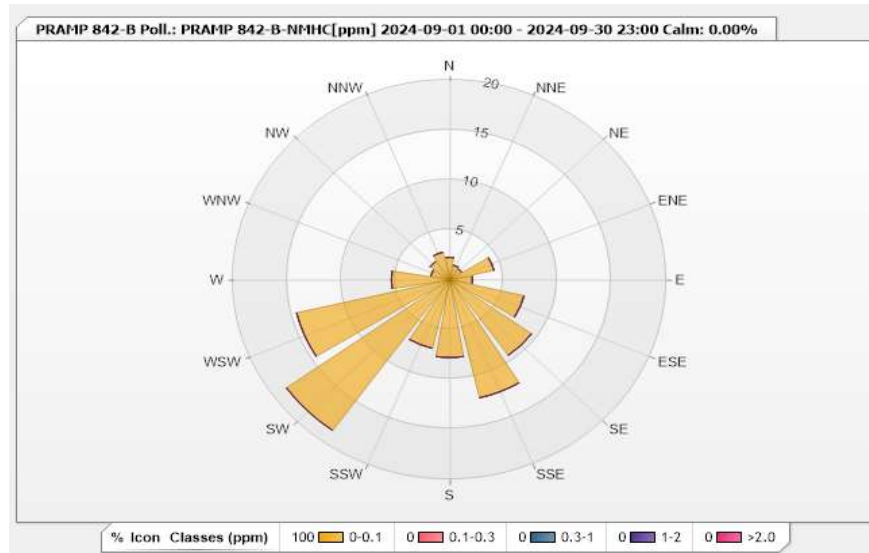


Station: PRAMP 842-B Poll.: PRAMP 842-B-NMHC[ppm] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 0.9139 Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	2.28	0	0	0	0	2.28
NNE	1.52	0	0	0	0	1.52
NE	1.37	0	0	0	0	1.37
ENE	4.26	0	0	0	0	4.26
E	2.13	0	0	0	0	2.13
ESE	7.14	0	0	0	0	7.14
SE	9.42	0	0	0	0	9.42
SSE	12.31	0	0	0	0	12.31
S	7.9	0	0	0	0	7.9
SSW	7.14	0	0	0	0	7.14
SW	18.69	0	0	0	0	18.69
WSW	13.83	0	0	0	0	13.83
W	5.02	0	0	0	0	5.02
WNW	1.82	0	0	0	0	1.82
NW	2.28	0	0	0	0	2.28
NNW	2.89	0	0	0	0	2.89
Summary	100	0	0	0	0	100



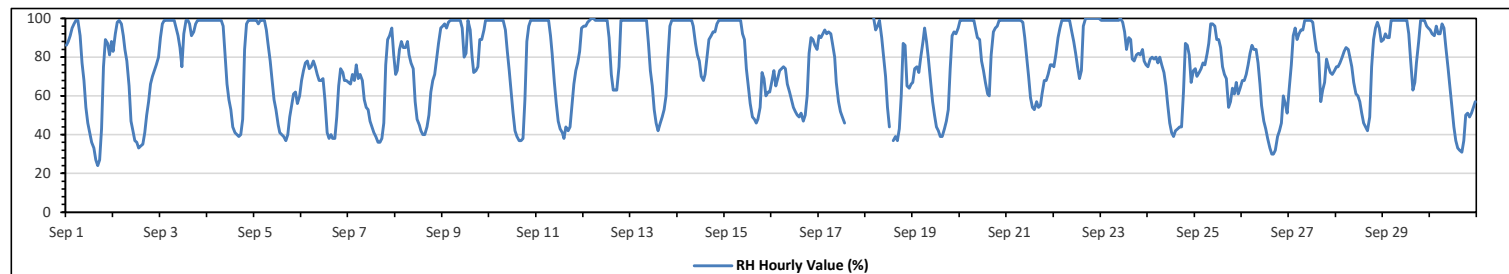
Peace River Area Monitoring Program

842-B Station - September 2024

Summary of Hourly Averages

RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Sep 12 at hr 4	Hours in Service:	720																														
Maximum Daily Value:	95.4	%	on Sep 3	Hours of Data:	705																														
Minimum Hourly Value:	24	%	on Sep 1 at hr 16	Hours of Missing Data:	15																														
Minimum Daily Value:	56.8	%	on Sep 26	Hours of Calibration:	0																														
Monthly Average:	76.5	%		Operational Uptime:	97.9																														
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average									
Sep 1	86	88	91	95	97	99	99	91	77	68	54	46	41	36	33	27	24	27	43	75	89	87	81	88	24	99	68.4								
Sep 2	83	92	98	99	97	91	84	78	65	47	42	37	36	33	34	35	41	50	57	66	70	73	76	80	33	99	65.2								
Sep 3	90	97	99	99	99	99	99	99	95	91	85	75	92	99	99	97	91	93	97	99	99	99	99	99	75	99	95.4								
Sep 4	99	99	99	99	99	99	99	99	96	81	66	58	53	44	41	40	39	40	48	84	97	99	99	99	39	99	78.2								
Sep 5	99	99	97	99	99	99	94	87	78	68	58	53	45	41	40	39	37	40	49	55	61	62	56	60	37	99	67.3								
Sep 6	68	73	77	78	74	75	78	75	71	68	68	69	58	41	38	40	38	38	49	65	74	72	68	68	38	78	63.5								
Sep 7	67	66	71	68	76	69	71	68	58	54	53	47	44	41	39	36	36	38	46	76	89	91	95	81	36	95	61.7								
Sep 8	71	73	84	88	85	85	88	81	77	74	57	48	45	42	40	40	44	50	62	68	71	79	87	95	40	95	68.1								
Sep 9	96	97	95	98	99	99	99	99	99	99	95	80	82	99	94	80	72	73	75	89	89	94	99	99	72	99	91.7								
Sep 10	99	99	99	99	99	99	99	99	94	83	73	62	51	42	39	37	37	38	58	88	96	99	99	99	37	99	78.6								
Sep 11	99	99	99	99	99	99	99	91	82	67	56	47	43	41	38	44	42	44	55	66	73	77	83	95	38	99	72.4								
Sep 12	96	96	98	99	100	100	99	99	99	99	99	99	99	90	71	63	63	63	75	99	99	99	99	99	63	100	91.8								
Sep 13	99	99	99	99	99	99	99	99	99	87	73	65	53	46	42	46	49	53	60	80	96	99	99	99	42	99	80.8								
Sep 14	99	99	99	99	99	99	99	99	96	87	81	78	70	68	71	80	89	91	93	93	97	99	99	99	68	99	91.0								
Sep 15	99	99	99	99	99	99	99	99	99	92	89	74	65	56	49	48	46	48	54	72	69	60	62	62	46	99	76.5								
Sep 16	67	73	65	69	73	74	75	74	66	62	58	54	52	50	49	51	47	50	60	82	90	89	86	84	47	90	66.7								
Sep 17	91	90	92	94	92	93	92	86	80	67	57	52	49	46	P	P	P	P	P	P	P	P	P	P	46	94	NA								
Sep 18	P	P	P	P	100	94	96	99	90	80	70	54	44	Y	37	39	37	43	60	87	86	65	64	66	37	100	69.0								
Sep 19	67	74	75	72	80	88	95	88	79	67	57	50	44	42	39	39	43	47	53	74	91	93	92	95	39	95	68.5								
Sep 20	99	99	99	99	99	99	99	99	94	90	89	78	73	67	61	60	81	93	95	96	99	99	99	99	60	99	90.2								
Sep 21	99	99	99	99	99	99	99	99	98	90	80	70	59	54	53	57	54	55	61	68	68	71	76	76	53	99	78.4								
Sep 22	75	81	90	95	99	99	99	99	99	93	88	82	75	69	73	96	100	100	100	100	100	100	100	100	69	100	92.2								
Sep 23	99	99	99	99	99	99	99	99	99	99	100	98	93	84	90	89	79	78	81	82	81	84	78	76	76	100	91.0								
Sep 24	75	79	80	79	80	77	80	76	72	65	55	46	41	39	42	43	44	44	62	87	86	81	67	73	39	87	65.5								
Sep 25	74	70	72	74	77	76	82	87	97	97	96	89	89	85	75	71	69	54	57	64	61	67	61	64	54	97	75.3								
Sep 26	68	68	71	76	82	86	84	84	77	66	55	47	43	38	33	30	30	32	39	42	46	60	56	51	30	86	56.8								
Sep 27	63	76	91	95	89	92	94	94	99	99	99	99	98	90	83	82	57	63	67	79	75	72	71	73	57	99	83.3								
Sep 28	75	75	77	80	83	85	84	80	75	67	61	60	57	51	46	44	42	49	75	89	95	98	95	88	42	98	72.1								
Sep 29	89	92	90	90	99	99	99	99	99	99	99	99	99	99	92	78	63	67	77	88	99	99	96	95	63	99	91.9								
Sep 30	94	92	91	96	92	92	97	95	85	74	64	54	44	37	33	32	31	37	50	51	49	51	54	57	31	97	64.7								
Diurnal Maximum	99	99	99	99	100	100	99	99	99	99	100	99	99	99	99	97	100	100	100	100	100	100	100	100	100										
Diurnal Average	85.7	87.7	89.5	90.8	92.1	92.1	92.6	90.7	86.5	79.3	72.6	65.7	61.2	57.3	53.8	53.4	52.7	55.4	64.4	78.4	82.6	83.4	82.6	83.4											
C	Monthly Calibration											S	Daily Zero-Span Check											Q	Quality Assurance										
K	Collection Error											ND	No Data (Machine Not in Service)											Y	Routine Maintenance										
X	Invalid Data (Equipment Malfunction / Recovery)											NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)											P	Power Failure										
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 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 - September 2024

Summary of Hourly Averages

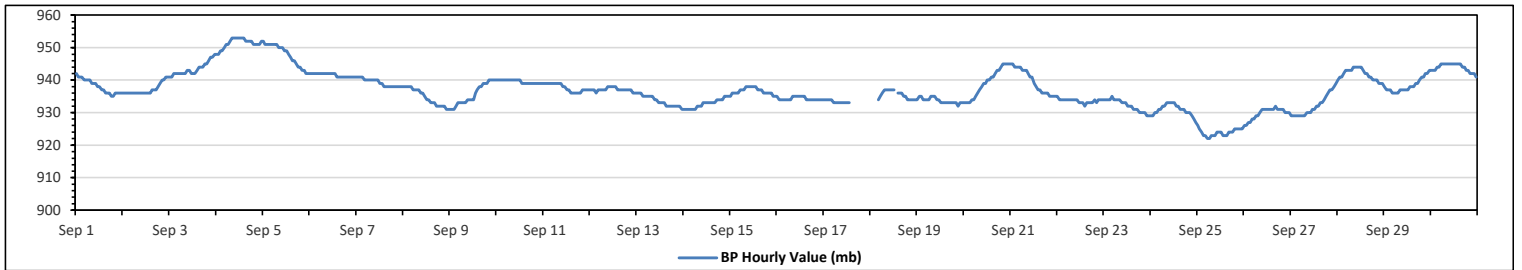
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	953	mb	on Sep 4 at hr 8	Hours in Service:	720
Maximum Daily Value:	951	mb	on Sep 4	Hours of Data:	705
Minimum Hourly Value:	922	mb	on Sep 25 at hr 5	Hours of Missing Data:	15
Minimum Daily Value:	924	mb	on Sep 25	Hours of Calibration:	0
Monthly Average:	937	mb		Operational Uptime:	97.9

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Sep 1	942	941	941	941	940	940	940	940	939	939	939	938	938	937	937	936	936	936	935	935	936	936	936	936	935	942	938
Sep 2	936	936	936	936	936	936	936	936	936	936	936	936	936	936	936	937	937	937	938	939	940	940	941	941	936	941	937
Sep 3	941	941	942	942	942	942	942	942	943	943	942	942	942	943	944	944	944	945	945	946	947	947	948	948	941	948	943
Sep 4	948	948	949	949	950	951	951	952	953	953	953	953	953	953	952	952	952	952	951	951	951	951	952	948	953	951	
Sep 5	952	951	951	951	951	951	951	951	950	950	950	949	949	948	947	946	946	945	944	944	943	943	942	942	942	952	948
Sep 6	942	942	942	942	942	942	942	942	942	942	942	942	942	941	941	941	941	941	941	941	941	941	941	941	941	942	942
Sep 7	941	941	941	941	940	940	940	940	940	940	940	940	939	939	939	938	938	938	938	938	938	938	938	938	938	941	939
Sep 8	938	938	938	938	938	937	937	937	937	936	936	935	934	934	933	933	933	932	932	932	932	932	931	931	931	938	935
Sep 9	931	931	931	932	933	933	933	933	933	934	934	934	934	936	937	938	938	939	939	939	940	940	940	940	931	940	936
Sep 10	940	940	940	940	940	940	940	940	940	940	940	940	940	939	939	939	939	939	939	939	939	939	939	939	939	940	940
Sep 11	939	939	939	939	939	939	939	939	939	939	938	938	937	937	936	936	936	936	936	936	937	937	937	937	936	939	938
Sep 12	937	937	937	936	937	937	937	937	937	938	938	938	938	937	937	937	937	937	937	937	937	937	937	936	936	938	937
Sep 13	936	936	936	935	935	935	935	935	935	934	934	933	933	933	933	932	932	932	932	932	932	932	932	931	931	936	934
Sep 14	931	931	931	931	931	931	931	932	932	932	933	933	933	933	933	933	933	934	934	934	934	934	935	935	935	931	935
Sep 15	935	936	936	936	936	937	937	937	938	938	938	938	938	938	937	937	937	936	936	936	936	936	935	935	935	938	937
Sep 16	935	934	934	934	934	934	934	934	935	935	935	935	935	935	935	934	934	934	934	934	934	934	934	934	934	935	934
Sep 17	934	934	934	934	934	933	933	933	933	933	933	933	933	933	P	P	P	P	P	P	P	P	P	P	933	934	NA
Sep 18	P	P	P	P	934	935	936	937	937	937	937	937	937	Y	936	936	936	935	935	934	934	934	934	934	934	937	936
Sep 19	934	935	935	934	934	934	934	935	935	935	934	934	933	933	933	933	933	933	933	933	933	933	932	933	932	935	934
Sep 20	933	933	933	933	934	934	935	936	937	938	939	939	940	940	941	941	942	943	943	944	945	945	945	945	933	945	939
Sep 21	945	945	944	944	944	944	943	943	943	942	941	941	939	938	937	937	936	936	936	936	935	935	935	935	935	945	940
Sep 22	935	934	934	934	934	934	934	934	934	934	934	933	933	933	932	933	933	933	933	933	934	934	934	934	932	935	934
Sep 23	934	934	934	934	935	934	934	934	934	934	933	933	933	932	932	932	931	931	931	930	930	930	929	929	929	935	932
Sep 24	929	929	930	930	931	931	932	932	933	933	933	933	933	932	932	931	931	931	930	930	930	929	928	927	927	933	931
Sep 25	926	925	924	923	923	922	922	923	923	923	924	924	924	923	923	923	924	924	924	925	925	925	925	925	922	926	924
Sep 26	926	926	927	927	928	928	929	929	930	931	931	931	931	931	931	931	932	931	931	931	931	931	930	930	926	932	930
Sep 27	929	929	929	929	929	929	929	929	930	930	930	931	931	931	932	932	933	933	934	935	936	937	937	938	939	929	939
Sep 28	940	941	941	942	943	943	943	943	944	944	944	944	944	943	942	942	941	941	940	940	940	939	939	939	939	944	942
Sep 29	938	937	937	937	936	936	936	936	937	937	937	937	937	938	938	938	939	939	940	941	941	942	942	943	936	943	938
Sep 30	943	943	943	944	944	945	945	945	945	945	945	945	945	945	945	945	944	944	943	943	942	942	942	941	941	945	944
Diurnal Maximum	952	951	951	951	951	951	951	952	953	953	953	953	953	953	953	952	952	952	952	951	951	951	951	951	952		
Diurnal Average	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937		

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

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



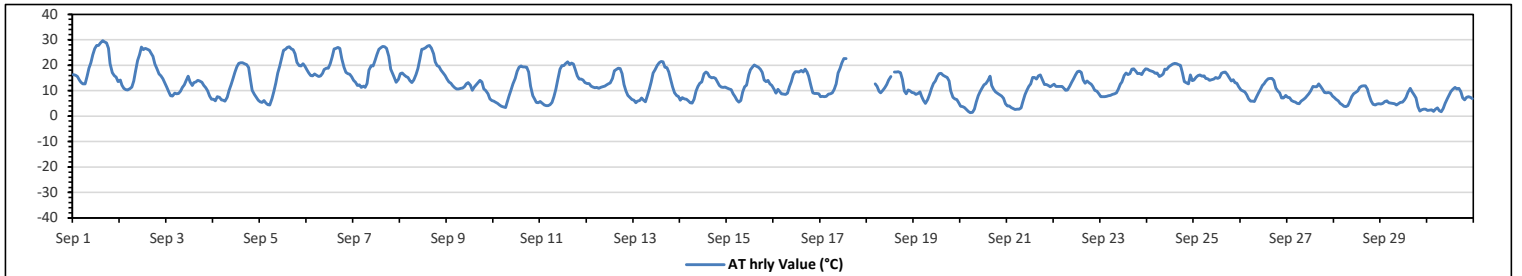
Peace River Area Monitoring Program

842-B Station - September 2024

Summary of Hourly Averages

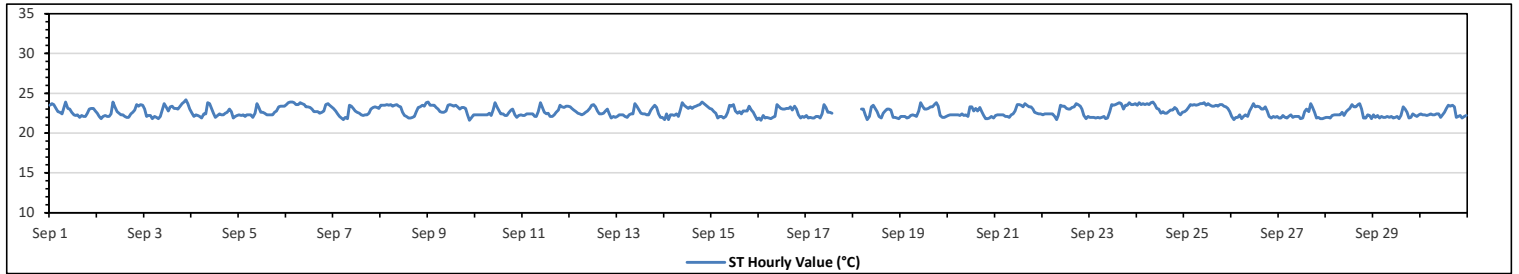
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	29.6	°C	on Sep 1 at hr 15	Hours in Service:	720																											
Maximum Daily Value:	20.3	°C	on Sep 1	Hours of Data:	705																											
Minimum Hourly Value:	1.4	°C	on Sep 20 at hr 5	Hours of Missing Data:	15																											
Minimum Daily Value:	5.6	°C	on Sep 29	Hours of Calibration:	0																											
Monthly Average:	12.7	°C		Operational Uptime:	97.9																											
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average						
Sep 1	16.3	16.1	15.6	14.2	13.3	12.6	12.7	15.6	18.9	20.9	24.1	26.5	27.7	27.8	28.7	29.6	29.2	28.7	26.7	20.5	17.1	15.9	15.3	13.6	12.6	29.6	20.3					
Sep 2	14.1	12.2	10.9	10.4	10.3	10.8	11.4	13.7	17.9	21.8	24.1	27.1	26.1	26.7	26.3	25.8	24.7	23.4	20.4	18.4	16.5	15.8	14.7	13.1	10.3	27.1	18.2					
Sep 3	11.4	9.6	8	7.9	9	8.8	8.9	9.7	11.2	12.3	14	15.7	13.4	12	13.2	13.4	14	13.7	13.3	12.1	11.1	9.8	7.9	6.6	6.6	15.7	11.1					
Sep 4	6.6	6	7.7	7.3	6.4	6.2	5.9	7.3	10.1	12.3	14.7	17.2	19.3	20.7	21	21	20.6	20.2	19	14	10.1	8.5	7.3	6.3	5.9	21.0	12.3					
Sep 5	5.6	5.4	6.1	5.1	4.5	4.3	6.9	9.7	13.1	17	19.6	22.7	25.8	26.3	27	27.2	26.4	26.1	24.5	21.1	19.9	19.7	20.5	19.6	4.3	27.2	16.8					
Sep 6	18.2	16.9	16	15.8	16.5	16.1	15.5	15.8	16.8	18.3	18.9	18.8	20.6	23.2	26.4	26.7	27	26.7	22.6	19.2	17.2	16.6	16.4	15.4	15.4	27.0	19.2					
Sep 7	14	13.3	12	12.3	11.3	11.8	11.3	12.8	18.1	19.8	19.7	21.8	24.3	26.3	26.9	27.4	27.2	26.6	23.5	18.5	16.7	15.2	13.3	14.4	11.3	27.4	18.3					
Sep 8	16.6	16.9	16.2	15.5	15.1	13.9	13.2	14.2	16.3	18.7	22.4	26.2	26.4	26.9	27.5	27.8	26.8	24.5	21.3	19.8	19.4	18.1	17	15.9	13.2	27.8	19.9					
Sep 9	14.5	13.5	12.9	11.9	11.1	10.7	10.7	10.9	11	11.6	12.6	13.2	12.2	10.2	11.4	12.3	13.2	14	13.5	10.7	10	8.8	6.8	6.1	6.1	14.5	11.4					
Sep 10	5.9	5.5	5	4.3	3.9	3.6	3.4	5.5	8	10.3	12.6	14.9	17.6	19.2	19.7	19.3	19.3	19.1	17.4	11.8	8.1	6.6	5.4	5.2	3.4	19.7	10.5					
Sep 11	5.7	5	4.3	4.1	4.2	4.4	5.4	7.7	10.6	14.3	18.4	19.9	19.8	20.6	21.4	20.3	20.8	20.4	18.2	15.8	14.6	14.5	14.2	13.2	4.1	21.4	13.2					
Sep 12	12.8	12.8	11.8	11.4	11.1	11.3	10.9	11.3	11.5	11.8	12.3	12.7	13	14.8	17.8	18.3	18.9	18.7	16.7	12.4	9.8	8.2	7.4	6.5	6.5	18.9	12.7					
Sep 13	6.3	5.3	5.8	6.1	7.1	6.3	5.6	8	10.6	13.5	16.9	18.2	20	20.9	21.5	21.4	19.2	19	17.4	14.3	11.4	9.2	8	7.8	5.3	21.5	12.5					
Sep 14	6.3	7.2	6.8	6.7	6	5.3	5.1	6.7	9.7	11.7	12.9	13.5	16.5	17.4	17	15.6	15	15.2	14.8	13.4	12	11.4	11.2	11.4	5.1	17.4	11.2					
Sep 15	11	10.7	10.4	8.7	7.7	6.3	5.5	6.1	9.5	11.5	12.2	16.3	18.2	19.1	20.1	19.6	19.2	18.5	17.2	14.2	13.6	14	12.6	12	5.5	20.1	13.1					
Sep 16	10.6	9	10.5	9.7	8.8	8.6	8.5	9	11.5	13.6	16.3	17.5	17.5	17.4	17.9	17.3	18.4	17.4	15.7	12	9.2	8.9	8.9	8.8	8.5	18.4	12.6					
Sep 17	7.6	7.8	7.6	7.8	8.6	8.7	9.2	10.6	12.6	17	18.7	21	22.6	22.6	P	P	P	P	P	P	P	P	P	P	7.6	22.6	NA					
Sep 18	P	P	P	P	12.7	11.6	9.7	9.1	10.2	11.1	12.4	14.1	15.6	Y	17.3	17.4	17.5	17.1	14.4	9.8	8.7	10.3	9.9	9.3	8.7	17.5	12.5					
Sep 19	9.2	8.5	8.9	9.5	7.8	6.1	5	6.5	8.5	10.9	12.8	13.8	15.6	16.6	16.8	16.1	15.5	15.1	13.8	9.9	7.3	6.8	6.5	5.3	5.0	16.8	10.5					
Sep 20	3.9	3.8	3.4	2.6	1.8	1.4	1.5	2.8	5.6	8	9.6	11	12.3	12.8	13.9	15.7	12	10.5	9.5	8.9	8.3	7.9	7	4.8	1.4	15.7	7.5					
Sep 21	4	4	3.4	2.9	2.6	2.8	2.7	3.2	5.5	8.4	10.1	11.7	12.7	15.1	15.1	14.6	15.8	16.2	14.4	12.4	12.4	12.1	11.5	12	2.6	16.2	9.4					
Sep 22	12.5	11.7	11.7	11.7	11.6	11	10.1	10.3	11.8	13.3	14.7	16.2	17.5	17.7	17.2	14.1	12.9	13.8	13	12.5	11.6	10.1	9.7	8.8	8.8	17.7	12.7					
Sep 23	7.7	7.6	7.6	7.8	8.1	8.2	8.5	8.7	9.2	10.7	12.5	13.5	15.9	16.9	16.3	16.6	18.4	18.6	17.7	16.7	16.8	16.3	17.7	18.6	7.6	18.6	13.2					
Sep 24	18.5	17.9	17.7	17.5	16.8	16.9	15.6	16	16.5	18.5	18.3	19.5	20	20.4	20.7	20.5	20.3	20	17.1	13.6	13.1	12.7	16.2	13.9	12.7	20.7	17.4					
Sep 25	14.1	15.3	16	16.2	15.7	15.8	14.9	14.7	14	14.3	14.6	15.2	14.8	15.1	16.8	17.2	17.3	16.4	15.2	13.8	14.3	13.2	12.9	11.5	11.5	17.3	15.0					
Sep 26	10.3	9.8	9.5	8.3	6.8	5.8	5.8	5.7	7.4	9.1	10.5	12	12.7	13.7	14.7	14.8	14.9	13.9	11	9.9	9.2	7.1	7.1	8.2	5.7	14.9	9.9					
Sep 27	7.4	7.2	6.1	5.7	5.5	5	4.9	5.9	6.5	7.1	7.9	8.7	9.9	11.6	11.5	11.5	12.7	11.6	10.6	9.3	9.2	9.3	9	7.9	4.9	12.7	8.4					
Sep 28	7.2	6.6	6	5	4.5	3.9	3.8	4.2	5.7	7.7	8.8	9.3	9.9	11.2	11.8	11.9	11.9	10.7	8.1	5.9	4.6	4.3	4.7	4.8	3.8	11.9	7.2					
Sep 29	4.7	5	5.7	6	5.2	5.1	5	4.9	4.3	4.9	5.4	5.5	6.4	7.4	9.4	10.9	9.5	8.3	7.1	3.8	2	2.5	2.8	2.7	2.0	10.9	5.6					
Sep 30	2.2	2.3	2.5	1.8	2.8	3.2	2.1	1.7	3	5	6.9	8.2	9.6	10.6	11.2	10.7	10.9	9.6	7.1	6.4	7.3	7.6	7.3	6.9	1.7	11.2	6.1					
Diurnal Maximum	18.5	17.9	17.7	17.5	16.8	16.9	15.6	16.0	18.9	21.8	24.1	27.1	27.7	27.8	28.7	29.6	29.2	28.7	26.7	21.1	19.9	19.7	20.5	19.6								
Diurnal Average	9.8	9.4	9.2	8.8	8.6	8.2	8.0	8.9	10.9	12.8	14.5	16.1	17.1	18.0	18.5	18.4	18.3	17.7	15.9	13.1	11.8	11.1	10.7	10.0								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction / Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 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 - September 2024
Summary of Hourly Averages
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:		24.2	°C	on Sep 3 at hr 21		Hours in Service:		720																								
Maximum Daily Value:		23.4	°C	on Sep 25		Hours of Data:		706																								
Minimum Hourly Value:		21.6	°C	on Sep 9 at hr 21		Hours of Missing Data:		14																								
Minimum Daily Value:		22.2	°C	on Sep 29		Hours of Calibration:		0																								
Monthly Average:		22.7	°C			Operational Uptime:		98.1																								
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average						
Sep 1	23.5	23.7	23.6	23.1	22.7	22.6	22.4	23.1	23.9	23.1	23.0	22.6	22.3	22.2	22.3	22.0	22.2	22.1	22.5	23.0	23.1	23.1	22.8	22.0	23.9	22.8						
Sep 2	22.5	22.1	21.8	22.1	22.2	22.1	22.1	22.4	23.9	23.3	22.7	22.5	22.3	22.3	22.1	22.0	22.0	22.4	22.6	22.9	23.6	23.4	23.6	23.5	21.8	23.9	22.6					
Sep 3	23.0	22.1	22.2	22.2	21.8	22.1	22.0	21.8	22.1	22.9	23.7	23.3	22.8	23.3	23.4	23.1	23.1	23.0	23.4	23.7	23.9	24.2	23.7	23.0	21.8	24.2	22.9					
Sep 4	22.5	22.1	22.3	22.2	22.1	21.9	22.4	22.4	23.8	23.7	23.1	22.5	22.0	22.2	22.4	22.3	22.3	22.5	22.6	23.0	22.7	21.9	22.1	22.2	21.9	23.8	22.5					
Sep 5	22.3	22.2	22.3	22.1	22.3	22.3	22.3	22.0	22.5	23.7	23.3	22.6	22.6	22.5	22.3	22.3	22.3	22.3	22.6	22.8	23.3	23.4	23.4	23.4	22.0	23.7	22.6					
Sep 6	23.6	23.8	23.9	23.9	23.8	23.6	23.6	23.8	23.7	23.6	23.3	23.3	23.2	23.0	22.7	22.7	22.7	22.5	22.6	22.8	23.6	23.7	23.5	23.3	22.5	23.9	23.3					
Sep 7	23.1	22.8	22.4	22.1	21.9	21.7	22.0	21.8	23.5	23.4	23.1	22.8	22.6	22.5	22.3	22.2	22.3	22.3	22.5	23.0	23.2	23.3	23.2	23.1	21.7	23.5	22.6					
Sep 8	23.5	23.5	23.5	23.6	23.5	23.6	23.4	23.5	23.6	23.4	23.3	22.6	22.2	22.1	21.9	21.9	22.0	22.1	22.7	23.2	23.3	23.5	23.4	23.8	21.9	23.8	23.0					
Sep 9	23.9	23.5	23.5	23.5	23.2	23.0	22.7	22.6	22.6	22.8	23.5	23.6	23.5	23.4	23.5	23.3	23.0	23.2	23.2	23.1	22.3	21.6	22.0	22.3	21.6	23.9	23.0					
Sep 10	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.5	22.2	22.9	23.8	23.2	22.8	22.4	22.4	22.2	22.2	22.6	22.9	23.0	22.3	22.0	22.2	22.3	22.0	23.8	22.5					
Sep 11	22.2	22.2	22.4	22.4	22.4	22.4	22.1	22.1	22.7	23.8	23.2	22.6	22.4	22.5	22.1	22.1	22.3	22.6	22.9	23.5	23.3	23.2	23.4	23.4	22.1	23.8	22.7					
Sep 12	23.3	23.1	22.9	22.7	22.5	22.4	22.3	22.4	22.6	22.8	23.1	23.5	23.6	23.3	22.8	22.4	22.4	22.5	22.8	23.0	22.4	21.9	22.1	22.0	21.9	23.6	22.7					
Sep 13	22.1	22.3	22.3	22.3	22.1	22.0	22.3	22.4	22.4	23.7	23.4	22.9	22.5	22.4	22.4	22.3	22.3	22.9	23.2	23.5	23.2	22.4	22.0	22.0	22.0	23.7	22.6					
Sep 14	21.7	22.4	21.7	22.3	22.3	22.2	22.4	22.1	22.9	23.8	23.5	23.3	23.1	23.3	23.1	23.3	23.4	23.5	23.6	23.9	23.7	23.5	23.3	23.1	21.7	23.9	23.0					
Sep 15	23.0	22.7	22.5	21.9	22.1	22.1	21.9	22.1	22.6	23.5	23.4	23.6	22.8	22.5	22.7	22.4	22.8	22.8	22.8	23.4	22.9	22.6	22.2	21.7	21.7	23.6	22.6					
Sep 16	21.9	21.6	22.2	21.9	22.0	21.9	21.8	22.0	22.1	23.6	23.4	23.1	23.0	23.0	23.1	23.1	23.3	22.9	23.4	23.0	22.3	21.9	22.1	22.0	21.6	23.6	22.5					
Sep 17	22.2	21.9	22.0	21.9	21.9	22.1	22.1	21.9	22.4	23.6	23.2	22.6	22.6	22.5	P	P	P	P	P	P	P	P	P	P	21.9	23.6	NA					
Sep 18	P	P	P	P	23.0	23.0	22.3	21.7	22.1	23.3	23.5	23.1	22.7	22.1	21.9	22.5	22.8	23.0	23.0	22.9	22.0	22.0	21.9	21.8	21.7	23.5	22.5					
Sep 19	22.1	22.1	22.1	21.9	22.0	22.2	22.3	22.2	22.1	22.8	23.8	23.4	23.0	23.0	23.1	23.3	23.3	23.6	23.8	23.4	22.2	22.0	22.0	22.1	21.9	23.8	22.7					
Sep 20	22.2	22.3	22.3	22.3	22.3	22.3	22.2	22.4	22.2	22.3	22.1	23.3	23.3	22.8	23.1	22.8	23.2	22.7	22.2	21.8	21.8	21.9	22.1	21.9	21.8	23.3	22.4					
Sep 21	22.2	22.3	22.3	22.3	22.3	22.1	22.1	22.0	22.3	22.4	22.8	23.6	23.6	23.5	23.3	23.7	23.5	23.3	23.3	23.0	22.6	22.5	22.4	22.4	22.0	23.7	22.7					
Sep 22	22.3	22.4	22.4	22.4	22.4	22.4	22.1	21.7	22.2	23.5	23.4	23.4	23.1	23.0	23.0	23.2	23.3	23.7	23.6	23.4	23.0	22.2	21.8	22.1	21.7	23.7	22.8					
Sep 23	22.0	22.0	22.0	21.9	22.0	21.9	22.0	22.1	21.8	21.9	22.7	23.6	23.5	23.6	23.7	23.8	23.7	23.0	23.5	23.5	23.8	23.6	23.6	23.7	21.8	23.8	22.9					
Sep 24	23.5	23.8	23.6	23.7	23.6	23.7	23.6	23.8	23.9	23.6	23.1	23.0	22.5	22.7	22.5	22.5	22.7	22.9	22.9	23.2	23.0	22.5	22.3	22.6	22.3	23.9	23.1					
Sep 25	22.7	22.9	23.2	23.6	23.5	23.6	23.5	23.6	23.7	23.7	23.8	23.5	23.7	23.5	23.4	23.4	23.5	23.4	23.6	23.6	23.4	23.3	23.1	22.7	22.7	23.8	23.4					
Sep 26	22.1	21.7	22.0	22.0	22.3	21.8	22.1	22.3	22.1	22.8	23.2	23.7	23.3	23.4	23.3	23.0	23.0	23.3	22.8	22.1	21.9	22.1	22.0	22.1	21.7	23.7	22.5					
Sep 27	21.9	21.9	22.2	22.0	21.9	22.1	22.3	22.0	22.1	22.1	22.1	21.8	21.9	22.7	23.0	22.7	23.7	23.3	22.6	21.9	22.0	21.8	21.8	21.9	21.8	23.7	22.2					
Sep 28	22.0	22.0	21.9	22.2	22.3	22.3	22.3	22.6	22.2	22.7	22.9	23.1	23.6	23.3	23.3	23.3	23.6	23.7	23.0	21.9	21.9	22.3	22.2	21.8	21.8	23.7	22.6					
Sep 29	22.3	22.0	22.2	21.9	22.1	22.0	22.0	22.1	22.0	22.1	21.9	22.0	22.1	21.8	22.2	23.3	23.0	22.6	21.9	22.0	22.4	22.2	22.1	22.3	21.8	23.3	22.2					
Sep 30	22.4	22.3	22.3	22.2	22.3	22.4	22.3	22.3	22.4	22.4	22.0	22.3	22.6	23.1	23.5	23.4	23.5	23.3	22.0	22.1	22.2	21.9	22.1	22.2	21.9	23.5	22.5					
Diurnal Maximum	23.9	23.8	23.9	23.9	23.8	23.7	23.6	23.8	23.9	23.8	23.8	23.7	23.7	23.6	23.7	23.8	23.7	23.7	23.8	23.9	23.9	24.2	23.7	23.8								
Diurnal Average	22.6	22.5	22.5	22.4	22.4	22.4	22.4	22.4	22.7	23.1	23.1	23.0	22.8	22.8	22.8	22.8	22.9	22.9	22.9	22.9	22.8	22.6	22.6	22.5								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 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 - September 2024

Summary of Hourly Averages

PRECIPITATION in mm

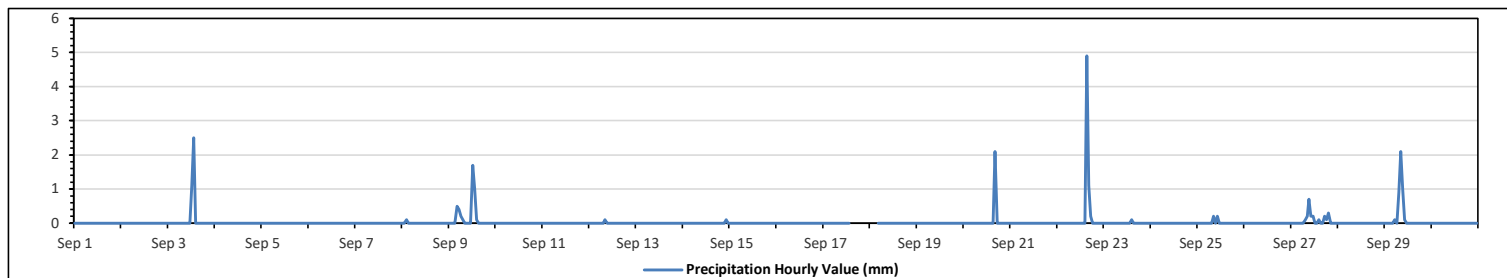
Maximum Hourly Value:	4.9	mm	on Sep 22 at hr 15	Hours in Service:	720
Maximum Daily Value:	6.2	mm	on Sep 22	Hours of Data:	706
Minimum Hourly Value:	0.0	mm	on Sep 1 at hr 0	Hours of Missing Data:	14
Minimum Daily Value:	0.0	mm	on Sep 1	Hours of Calibration:	0
Monthly Total:	23.0	mm		Operational Uptime:	98.1

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		
Sep 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
Sep 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
Sep 3	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1	2.5	0	0	0	0	0	0	0	0	0	0	0.0
Sep 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 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
Sep 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
Sep 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
Sep 8	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
Sep 9	0	0	0	0	0.5	0.4	0.2	0.1	0	0	0	0	1.7	1	0.1	0	0	0	0	0	0	0	0	0	0	0.0
Sep 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
Sep 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
Sep 12	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
Sep 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
Sep 14	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
Sep 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
Sep 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	P	0.0
Sep 18	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	0.0
Sep 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1	0	0	0	0	0	0	0	0	0.0
Sep 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
Sep 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.9	1.1	0.2	0	0	0	0	0	0	0	0.0
Sep 23	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
Sep 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
Sep 25	0	0	0	0	0	0	0	0	0.2	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 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
Sep 27	0	0	0	0	0	0	0	0.1	0.2	0.7	0.2	0.2	0	0	0.1	0	0	0.2	0.1	0.3	0	0	0	0	0	0.0
Sep 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
Sep 29	0	0	0	0	0	0.1	0	0.9	2.1	1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 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
Diurnal Maximum	0.0	0.0	0.1	0.0	0.5	0.4	0.2	0.9	2.1	1.0	0.2	0.2	1.7	2.5	0.1	4.9	2.1	0.2	0.1	0.3	0.0	0.0	0.1	0.0	0.0	0.0
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.2	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
X	Invalid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)	P	Power Failure

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

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



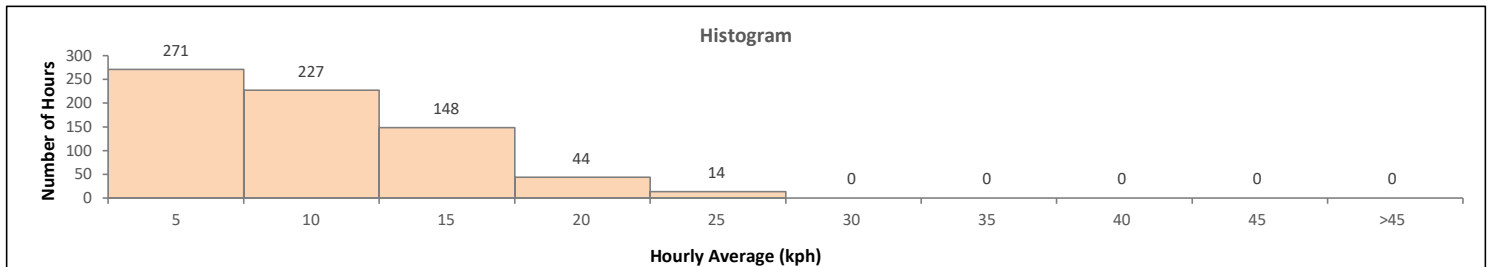
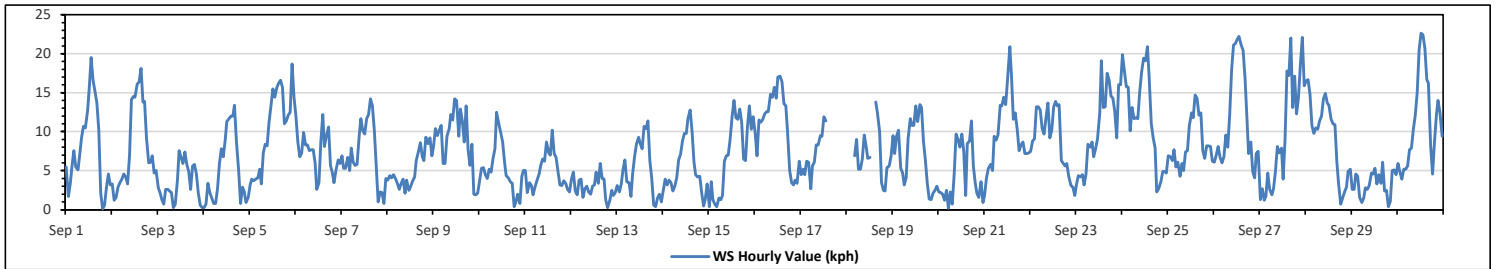
Peace River Area Monitoring Program

842-B Station - September 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	22.6	kph	on Sep 30 at hr 12	Hours in Service:	720																																														
Maximum Daily Value:	12.0	kph	on Sep 24	Hours of Data:	704																																														
Minimum Hourly Value:	0.1	kph	on Sep 1 at hr 19	Hours of Missing Data:	16																																														
Minimum Daily Value:	2.9	kph	on Sep 12	Hours of Calibration:	0																																														
Monthly Average:	4.5	kph		Operational Uptime:	97.8																																														
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average																								
Sep 1	5.5	1.7	3.4	5.5	7.6	5.5	5.1	6.9	9.2	10.7	10.5	12.7	15.5	19.5	16.6	15.2	13.7	10.2	2.1	0.1	0.6	2.9	4.6	3.2	0.1	19.5	7.9																								
Sep 2	3.3	1.2	1.6	2.9	3.5	3.9	4.6	4.2	3.3	6.9	14.1	14.5	14.4	16.1	16.4	18.1	13.8	13.9	9.2	6.0	6.1	6.9	4.7	5.0	1.2	18.1	8.1																								
Sep 3	2.8	2.1	1.3	0.7	2.6	2.6	2.4	2.2	0.3	0.7	3.9	7.6	6.7	5.9	7.4	5.8	4.9	2.6	5.6	5.8	4.6	2.1	0.6	0.3	0.3	7.6	3.4																								
Sep 4	0.3	0.7	3.4	2.2	1.5	0.8	0.8	2.7	5.9	7.8	6.8	8.9	11.3	11.7	12.0	12.0	13.4	8.8	5.0	0.8	2.9	2.4	0.9	1.6	0.3	13.4	5.2																								
Sep 5	3.2	3.9	3.7	3.9	4.1	5.2	3.3	7.3	8.4	8.2	11.2	13.3	15.5	14.4	15.6	16.2	16.6	15.7	11.0	11.4	12.1	12.5	18.7	14.4	3.2	18.7	10.4																								
Sep 6	12.0	8.7	6.8	7.3	9.9	8.3	8.3	7.6	7.7	7.7	6.0	2.6	3.5	8.8	12.2	8.1	9.4	10.6	5.7	4.7	3.5	5.0	6.4	5.9	2.6	12.2	7.4																								
Sep 7	6.9	5.3	5.3	6.7	5.0	7.9	6.1	5.7	5.8	9.6	11.7	10.1	9.7	11.7	12.2	14.2	13.3	10.2	5.6	1.0	2.3	2.2	0.8	4.0	0.8	14.2	7.2																								
Sep 8	3.8	4.4	4.1	4.5	4.0	3.4	2.6	3.4	3.9	2.1	3.8	2.5	3.0	3.7	4.2	6.3	7.5	8.6	6.8	6.3	9.3	8.5	9.2	6.9	2.1	9.3	5.1																								
Sep 9	8.1	10.4	9.5	10.3	10.8	5.9	5.9	9.4	10.4	12.2	11.5	14.2	14.0	9.4	12.9	11.4	8.7	13.3	7.7	5.7	8.4	2.0	1.9	2.1	1.9	14.2	9.0																								
Sep 10	3.7	5.3	5.4	4.5	4.0	5.2	4.8	6.6	7.8	12.5	11.0	9.9	8.7	6.1	4.4	4.1	3.6	3.4	0.4	0.9	2.0	0.8	4.3	5.0	0.4	12.5	5.2																								
Sep 11	5.0	2.2	3.5	3.1	1.9	2.9	3.7	4.6	5.7	6.5	6.2	8.7	7.3	7.0	10.2	7.2	6.7	4.9	3.2	3.1	3.7	3.4	2.6	2.3	1.9	10.2	4.8																								
Sep 12	3.9	4.8	2.4	1.9	3.8	3.9	1.6	2.7	3.0	2.3	2.0	3.0	3.2	4.8	3.4	5.9	4.0	3.9	1.3	0.3	1.2	2.5	1.8	2.2	0.3	5.9	2.9																								
Sep 13	3.1	2.3	3.4	5.1	6.4	3.6	3.5	1.7	4.5	6.7	8.4	9.3	8.5	7.8	10.7	10.4	11.4	6.3	4.0	0.6	0.4	1.5	2.0	1.0	0.4	11.4	5.1																								
Sep 14	2.5	3.9	3.2	3.8	3.5	2.4	3.0	4.1	6.4	7.1	8.8	9.8	9.8	11.7	12.8	10.0	6.1	4.5	4.2	4.3	2.2	0.5	1.3	3.3	0.5	12.8	5.4																								
Sep 15	0.4	3.6	1.3	0.7	0.4	1.5	1.3	1.8	6.2	6.9	7.0	9.1	11.9	14.0	11.8	11.6	12.9	11.2	6.5	6.3	10.6	13.3	10.3	11.9	0.4	14.0	7.2																								
Sep 16	9.9	6.9	11.5	11.2	11.6	12.3	12.6	12.6	14.8	14.4	15.7	14.3	17.0	17.1	16.4	13.6	13.3	10.2	5.0	3.5	3.2	3.8	3.4	6.2	3.2	17.1	10.9																								
Sep 17	4.5	5.2	4.5	6.2	6.1	2.7	5.6	6.1	8.3	8.3	9.5	9.4	11.9	11.4	P	P	P	P	P	P	P	P	P	P	2.7	11.9	NA																								
Sep 18	P	P	P	P	6.9	9.0	5.2	5.2	6.5	9.6	8.1	6.6	6.7	NRM	NRM	13.8	12.5	10.0	3.5	2.5	2.4	5.4	5.6	6.9	2.4	13.8	7.0																								
Sep 19	9.5	7.2	9.4	10.2	5.3	4.7	3.2	4.1	9.1	11.7	10.8	10.8	13.3	11.3	13.5	13.1	8.8	6.4	3.4	1.4	1.3	2.1	2.5	3.0	1.3	13.5	7.3																								
Sep 20	2.3	2.2	2.0	1.2	2.5	0.2	2.3	0.7	4.5	9.7	9.0	8.0	9.7	7.5	1.8	8.5	8.8	11.4	5.6	3.4	2.1	1.6	3.6	0.9	0.2	11.4	4.6																								
Sep 21	1.8	4.1	5.3	5.8	5.0	9.4	8.9	9.6	13.4	13.3	14.4	13.5	16.8	20.9	17.3	11.6	12.4	10.3	7.6	8.3	8.7	7.2	7.2	7.3	1.8	20.9	10.0																								
Sep 22	7.5	8.8	9.1	13.2	13.2	12.8	10.4	9.7	11.8	13.7	9.2	10.2	13.2	13.9	13.3	13.5	6.3	5.9	5.6	5.9	4.3	3.1	2.9	1.8	1.8	13.9	9.1																								
Sep 23	3.2	4.4	4.2	4.5	3.2	4.6	8.4	8.0	8.7	6.8	7.8	9.1	12.4	19.1	13.1	13.2	17.5	16.7	14.6	14.3	12.6	9.2	16.0	16.0	3.2	19.1	10.3																								
Sep 24	19.9	17.8	15.8	15.7	10.1	13.1	11.7	11.8	11.7	15.2	17.7	19.4	19.1	20.9	17.3	11.0	9.2	7.9	2.3	2.7	3.6	4.9	4.9	4.7	2.3	20.9	12.0																								
Sep 25	6.9	6.8	6.3	7.7	5.5	6.1	4.3	5.9	5.0	7.4	7.6	10.8	12.4	11.8	14.7	14.3	12.1	12.4	7.6	6.6	8.2	8.2	8.1	6.2	4.3	14.7	8.5																								
Sep 26	6.1	7.0	8.1	6.7	6.0	6.8	9.6	8.0	12.1	17.9	21.1	21.3	21.9	22.2	21.1	20.4	16.9	11.7	7.2	8.7	4.9	4.1	7.2	7.5	4.1	22.2	11.9																								
Sep 27	1.3	2.7	1.2	1.7	4.7	2.6	1.9	2.7	4.9	8.1	7.3	7.9	3.9	9.0	17.8	17.2	22.0	13.1	17.1	12.3	14.4	18.6	22.1	15.9	1.2	22.1	9.6																								
Sep 28	16.5	16.7	14.8	10.8	9.8	10.5	10.3	11.4	12.0	14.2	14.9	13.7	13.4	11.6	11.0	10.9	6.1	3.5	0.7	1.5	2.3	2.9	4.9	5.2	0.7	16.7	9.6																								
Sep 29	2.6	2.6	4.6	4.3	1.6	0.9	1.5	2.8	2.6	3.1	4.7	4.6	5.3	3.3	4.5	3.4	6.1	2.4	2.5	0.4	1.1	5.0	5.1	4.5	0.4	6.1	3.3																								
Sep 30	5.9	4.8	3.9	5.2	5.2	5.6	7.7	7.9	10.3	12.1	15.0	20.5	22.6	22.4	20.7	16.7	16.2	8.2	4.6	8.7	12.1	14.0	12.5	9.4	3.9	22.6	11.3																								
Diurnal Maximum	19.9	17.8	15.8	15.7	13.2	13.1	12.6	12.6	14.8	17.9	21.1	21.3	22.6	22.4	21.1	20.4	22.0	16.7	17.1	14.3	14.4	18.6	22.1	16.0																											
Diurnal Average	5.6	5.4	5.5	5.8	5.5	5.5	5.4	5.9	7.5	9.1	9.9	10.5	11.4	12.2	12.3	11.6	10.8	8.9	5.7	4.7	5.2	5.4	6.1	5.7																											
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance																												
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance																												
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure																												
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																																			
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																																			

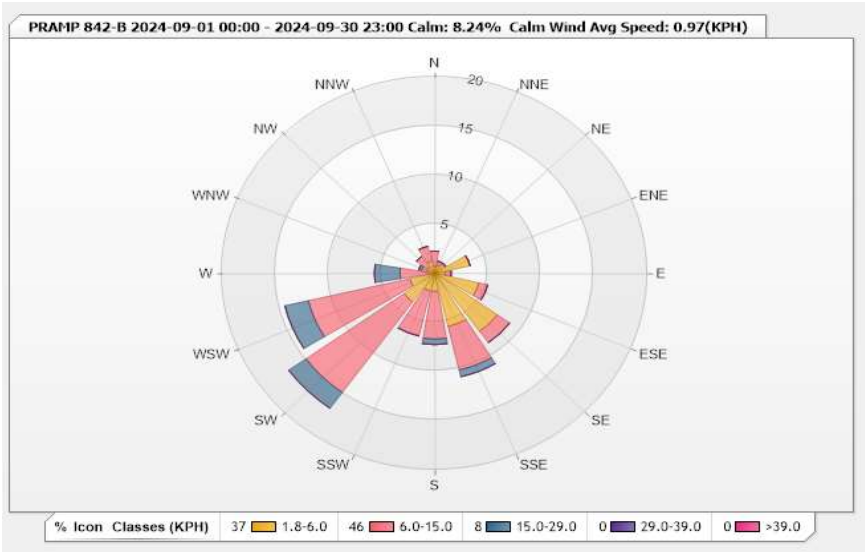


Station: PRAMP 842-B Monitor: WDS [KPH] Monthly: 09-2024

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

Calm (WS<1.8kph): 8.24% Valid Data: 97.78%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	0.71	1.56	0	0	0	2.27
NNE	0.85	0.43	0	0	0	1.28
NE	1.14	0.14	0	0	0	1.28
ENE	3.41	0	0	0	0	3.41
E	0.99	0.57	0	0	0	1.56
ESE	4.26	0.85	0	0	0	5.11
SE	7.24	1.42	0	0	0	8.66
SSE	5.54	4.55	0.71	0	0	10.8
S	1.85	4.83	0.57	0	0	7.25
SSW	1.85	4.69	0	0	0	6.54
SW	3.55	11.36	1.99	0	0	16.9
WSW	2.41	9.8	2.27	0	0	14.48
W	0.57	2.7	2.41	0	0	5.68
WNW	0.71	0.57	0.28	0	0	1.56
NW	0.85	1.28	0	0	0	2.13
NNW	1.28	1.56	0	0	0	2.84
Summary	37.21	46.31	8.23	0	0	91.75



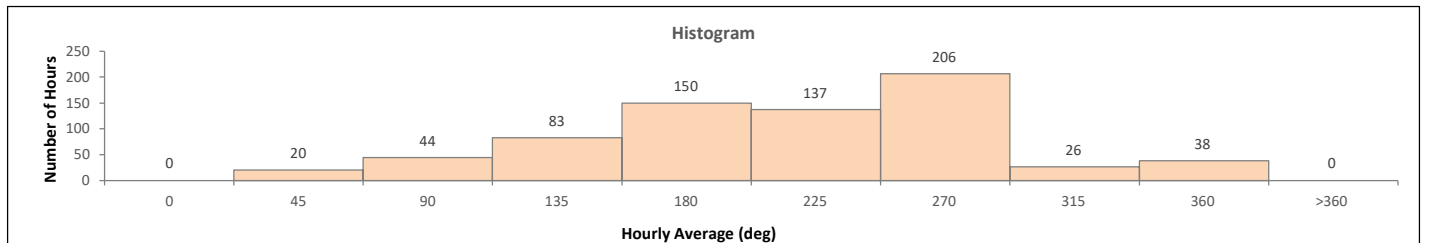
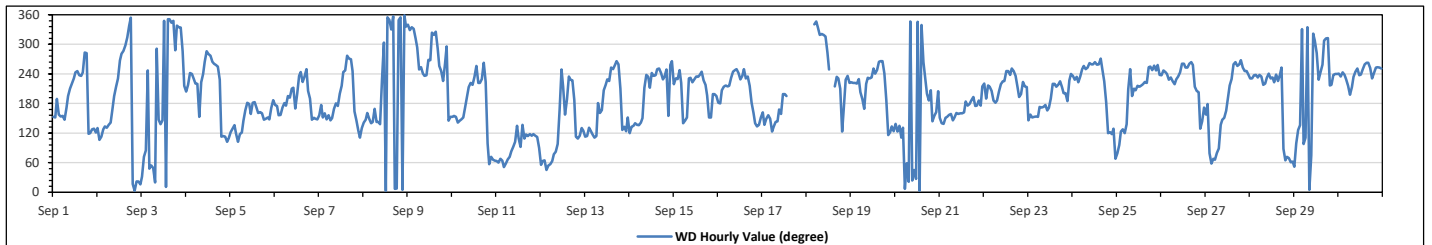
Peace River Area Monitoring Program

842-B Station - September 2024

Summary of Hourly Averages

WIND DIRECTION (VWD) in sector

Monthly Average:		220 (SW) degree										Hours in Service:		720		Hours of Data:		704		Hours of Missing Data:		16		Hours of Calibration:		0		Operational Uptime:		97.8	
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					
Sep 1	SSE	SSE	S	SSE	SSE	SSE	SE	S	SSW	SSW	SW	SW	WSW	WSW	SW	SW	WSW	WNW	W	ESE	ESE	SE	SE	ESE	216	SW					
Sep 2	SE	ESE	ESE	SE	SE	SE	SE	SE	SSE	SSW	SSW	SW	W	W	WNW	WNW	NW	NNW	N	NNE	N	NNE	NNE	NNE	291	WNW					
Sep 3	NNE	ENE	E	WSW	NE	NE	NE	NNE	WNW	SE	SE	SE	NNW	NNE	N	N	NNW	NNW	WNW	NNW	NNW	NNW	NNW	SW	3	N					
Sep 4	SSW	SW	WSW	WSW	SW	SW	SW	SSE	SW	WSW	W	WNW	W	W	W	W	WSW	WSW	SW	ESE	ESE	ESE	E	ESE	255	WSW					
Sep 5	ESE	SE	SE	ESE	E	ESE	ESE	SE	SSE	S	S	SSE	S	S	S	SSE	SSE	SSE	SE	SSE	SSE	SE	S	S	161	SSE					
Sep 6	S	S	SSE	SSE	S	S	S	SSW	S	SSW	SSW	SSE	SSW	SW	WSW	SW	SW	WSW	SSW	S	SE	SSE	SSE	SE	194	SSW					
Sep 7	SSE	S	SSE	SSE	SE	SSE	SE	SSE	SSE	S	S	SSW	SW	WSW	WSW	W	W	W	WSW	SSE	SE	SE	ESE	SE	203	SSW					
Sep 8	SE	SE	SSE	SSE	SE	SE	SSE	SE	SE	SE	SW	WNW	N	N	N	NNW	N	N	NNW	N	N	N	NNW	N	9	N					
Sep 9	NNW	NNW	NNW	NNW	NW	WNW	WSW	WSW	WSW	SSW	SW	SW	W	W	NW	NW	NW	WNW	WSW	WSW	SW	W	WNW	SE	SSE	283	W				
Sep 10	SSE	SSE	SSE	SE	SE	SE	SSE	S	SSW	SSW	SW	SW	SW	WSW	SW	SW	SW	W	SW	E	ENE	ENE	ENE	ENE	193	S					
Sep 11	ENE	ENE	ENE	ENE	NE	ENE	ENE	ENE	E	E	E	SE	ESE	E	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	101	E					
Sep 12	NE	ENE	ENE	NE	NE	ENE	ENE	ENE	E	E	SSE	WSW	SSW	SSE	S	SW	SW	SW	S	ESE	ESE	ESE	SE	SE	126	SE					
Sep 13	ESE	ESE	SE	SE	ESE	ESE	ESE	S	SSE	SSE	SSW	SW	SW	SW	WSW	WSW	WSW	W	WSW	SSW	SE	SE	ESE	SSE	207	SSW					
Sep 14	ESE	SE	SE	SE	SE	SE	SE	SE	SSE	SSW	SW	SW	SSW	WSW	SW	SW	WSW	WSW	WSW	SW	SW	WSW	SSE	WSW	W	221	SW				
Sep 15	SW	SW	SW	WSW	SW	SE	SE	SSE	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	SW	SW	SSW	SSE	SSE	SSW	SSW	SSW	215	SSW				
Sep 16	S	S	SSW	SSW	SW	SSW	SW	SW	WSW	WSW	WSW	WSW	SW	SW	WSW	SW	SW	SW	S	SSE	SE	SE	SE	SSE	223	SW					
Sep 17	SSE	SE	SSE	SSE	SSE	ESE	SE	SE	SE	SSE	SSE	SSW	SSW	SSW	SSW	P	P	P	P	P	P	P	P	P	NA	NA					
Sep 18	P	P	P	P	NNW	NNW	NNW	NW	NW	NW	NW	NNW	WSW	NRM	NRM	SSW	SW	SW	SSW	ESE	S	SW	SW	SW	268	W					
Sep 19	SW	SW	SW	SW	SSW	S	SSE	SW	SW	SW	SW	WSW	WSW	WSW	W	W	W	WSW	S	ESE	ESE	SE	ESE	232	SW						
Sep 20	SE	ESE	SE	ESE	SE	N	ENE	NNE	NNW	NNE	NE	NNE	NNW	N	NNW	W	SW	SSW	S	SSW	SE	SSE	SSE	SSW	9	N					
Sep 21	SSE	SE	SE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	167	SSE					
Sep 22	SW	S	SW	SSW	SSW	S	S	S	SSW	SW	SW	SW	WSW	WSW	SW	WSW	WSW	SW	SSW	S	SSW	SW	SSW	SSW	218	SW					
Sep 23	SE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	SSE	S	S	SW	SW	SSW	SW	SW	SSW	SSW	SSW	S	SW	WSW	201	SSW					
Sep 24	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	W	WSW	WSW	W	WSW	WSW	W	WSW	SW	S	ESE	ESE	ESE	SE	ENE	246	WSW					
Sep 25	ENE	E	ESE	SE	ESE	SE	SSW	WSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	216	SW					
Sep 26	SW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	WSW	W	W	WSW	WSW	W	W	WSW	SSW	SSW	SE	SE	S	241	WSW						
Sep 27	SSE	S	ENE	ENE	ENE	ENE	E	E	SE	SE	SSE	SSE	S	SW	SW	WSW	W	WSW	WSW	W	WSW	WSW	SW	238	SW						
Sep 28	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	WSW	SW	WSW	SW	WSW	E	ENE	ENE	ENE	ENE	ENE	231	SW					
Sep 29	NE	E	SE	SE	NNW	E	ESE	NNW	N	ENE	NW	NW	W	SW	WSW	WSW	NW	NW	NW	SW	SW	SW	WSW	WSW	277	W					
Sep 30	WSW	SW	WSW	SW	SW	SW	SSW	SSW	SW	WSW	WSW	SW	WSW	WSW	WSW	W	W	WSW	SW	WSW	WSW	WSW	WSW	WSW	245	WSW					
C	Monthly Calibration								S	Daily Zero-Span Check								Q	Quality Assurance												
K	Collection Error								ND	No Data (Machine Not in Service)								Y	Routine Maintenance								P	Power Failure			
X	Invalid Data (Machine Malfunction/Recovery)								NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)																					
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																															
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																															



Peace River Area Monitoring Program

842-B Station - September 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 Sep 30 at hr 12				Hours in Service:				720														
Maximum Daily Value:				12.0 kph				on Sep 24				Hours of Data:				704														
Minimum Hourly Value:				0.1 kph				on Sep 1 at hr 19				Hours of Missing Data:				16														
Minimum Daily Value:				2.9 kph				on Sep 12				Hours of Calibration:				0														
Monthly Average:				4.5 kph								Operational Uptime:				97.8														
WIND DIRECTION																														
Monthly Average:				220 degree (SW)																										
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average				
Sep 1	5.5	1.7	3.4	5.5	7.6	5.5	5.1	6.9	9.2	10.7	10.5	12.7	15.5	19.5	16.6	15.2	13.7	10.2	2.1	0.1	0.6	2.9	4.6	3.2	0.1	19.5	7.9			
	SSE	SSE	S	SSE	SSE	SSE	SE	S	SSW	SSW	SW	SW	WSW	WSW	SW	SW	WSW	WNW	W	ESE	ESE	SE	SE	ESE			216(SW)			
Sep 2	3.3	1.2	1.6	2.9	3.5	3.9	4.6	4.2	3.3	6.9	14.1	14.5	14.4	16.1	16.4	18.1	13.8	13.9	9.2	6.0	6.1	6.9	4.7	5.0	1.2	18.1	8.1			
	SE	ESE	ESE	SE	SE	SE	SE	SE	SSW	SSW	SW	W	W	WNW	WNW	NW	NNW	N	NNE	N	NNE	NNE	NNE	NNE			291(WNW)			
Sep 3	2.8	2.1	1.3	0.7	2.6	2.6	2.4	2.2	0.3	0.7	3.9	7.6	6.7	5.9	7.4	5.8	4.9	2.6	5.6	5.8	4.6	2.1	0.6	0.3	0.3	7.6	3.4			
	NNE	ENE	E	WSW	NE	NE	NE	NNE	WNW	SE	SE	SE	NNW	NNE	N	N	NNW	NNW	WNW	NNW	NNW	NNW	NNW	NNW	SW			3(N)		
Sep 4	0.3	0.7	3.4	2.2	1.5	0.8	0.8	2.7	5.9	7.8	6.8	8.9	11.3	11.7	12.0	12.0	13.4	8.8	5.0	0.8	2.9	2.4	0.9	1.6	0.3	13.4	5.2			
	SSW	SW	WSW	WSW	SW	SW	SW	SSE	SW	WSW	W	WNW	W	W	W	W	WSW	WSW	SW	ESE	ESE	ESE	E	ESE				255(WSW)		
Sep 5	3.2	3.9	3.7	3.9	4.1	5.2	3.3	7.3	8.4	8.2	11.2	13.3	15.5	14.4	15.6	16.2	16.6	15.7	11.0	11.4	12.1	12.5	18.7	14.4	3.2	18.7	10.4			
	ESE	SE	SE	ESE	E	ESE	ESE	SE	SSE	S	S	SSE	S	S	SSE	SSE	SSE	SE	SSE	SSE	SE	S	S					161(SSE)		
Sep 6	12.0	8.7	6.8	7.3	9.9	8.3	8.3	7.6	7.7	7.7	6.0	2.6	3.5	8.8	12.2	8.1	9.4	10.6	5.7	4.7	3.5	5.0	6.4	5.9	2.6	12.2	7.4			
	S	S	SSE	SSE	S	S	S	SSW	S	SSW	SSW	SSE	SSW	SW	WSW	SW	WSW	SSW	S	SE	SSE	SSE	SE					194(SSW)		
Sep 7	6.9	5.3	5.3	6.7	5.0	7.9	6.1	5.7	5.8	9.6	11.7	10.1	9.7	11.7	12.2	14.2	13.3	10.2	5.6	1.0	2.3	2.2	0.8	4.0	0.8	14.2	7.2			
	SSE	S	SSE	SSE	SE	SSE	SE	SSE	SSE	S	S	SSW	SW	WSW	WSW	W	W	WSW	SSE	SE	SE	ESE	SE					203(SSW)		
Sep 8	3.8	4.4	4.1	4.5	4.0	3.4	2.6	3.4	3.9	2.1	3.8	2.5	3.0	3.7	4.2	6.3	7.5	8.6	6.8	6.3	9.3	8.5	9.2	6.9	2.1	9.3	5.1			
	SE	SE	SSE	SSE	SE	SE	SSE	SE	SE	SE	SW	WNW	N	N	N	NNW	N	N	N	NNW	N	N	N	NNW					9(N)	
Sep 9	8.1	10.4	9.5	10.3	10.8	5.9	5.9	9.4	10.4	12.2	11.5	14.2	14.0	9.4	12.9	11.4	8.7	13.3	7.7	5.7	8.4	2.0	1.9	2.1	1.9	14.2	9.0			
	NNW	NNW	NNW	NNW	NW	WNW	WSW	WSW	WSW	SW	SW	W	W	NW	NW	NW	WNW	WSW	WSW	SW	W	WNW	SE	SSE				283(W)		
Sep 10	3.7	5.3	5.4	4.5	4.0	5.2	4.8	6.6	7.8	12.5	11.0	9.9	8.7	6.1	4.4	4.1	3.6	3.4	0.4	0.9	2.0	0.8	4.3	5.0	0.4	12.5	5.2			
	SSE	SSE	SSE	SE	SE	SE	SSE	S	SSW	SSW	SW	SW	WSW	SW	WSW	SW	SW	W	SW	E	ENE	ENE	ENE	ENE					193(S)	
Sep 11	5.0	2.2	3.5	3.1	1.9	2.9	3.7	4.6	5.7	6.5	6.2	8.7	7.3	7.0	10.2	7.2	6.7	4.9	3.2	3.1	3.7	3.4	2.6	2.3	1.9	10.2	4.8			
	ENE	ENE	ENE	ENE	NE	ENE	ENE	ENE	E	E	E	SE	ESE	E	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E					101(E)	
Sep 12	3.9	4.8	2.4	1.9	3.8	3.9	1.6	2.7	3.0	2.3	2.0	3.0	3.2	4.8	3.4	5.9	4.0	3.9	1.3	0.3	1.2	2.5	1.8	2.2	0.3	5.9	2.9			
	NE	ENE	ENE	NE	NE	ENE	ENE	ENE	E	E	SSE	WSW	SSW	SSE	S	SW	SW	SW	S	ESE	ESE	ESE	SE	SE					126(SE)	
Sep 13	3.1	2.3	3.4	5.1	6.4	3.6	3.5	1.7	4.5	6.7	8.4	9.3	8.5	7.8	10.7	10.4	11.4	6.3	4.0	0.6	0.4	1.5	2.0	1.0	0.4	11.4	5.1			
	ESE	ESE	SE	SE	ESE	ESE	S	SSE	SSE	SSW	SW	SW	SW	WSW	WSW	WSW	W	WSW	SSW	SE	SE	ESE	SSE	SSE					207(SSW)	
Sep 14	2.5	3.9	3.2	3.8	3.5	2.4	3.0	4.1	6.4	7.1	8.8	9.8	9.8	11.7	12.8	10.0	6.1	4.5	4.2	4.3	2.2	0.5	1.3	3.3	0.5	12.8	5.4			
	ESE	SE	SE	SE	SE	SE	SE	SE	SSE	SSW	SW	SW	SSW	WSW	SW	WSW	WSW	WSW	SSW	SW	SSW	SSE	SSW	W					221(SW)	
Sep 15	0.4	3.6	1.3	0.7	0.4	1.5	1.3	1.8	6.2	6.9	7.0	9.1	11.9	14.0	11.8	11.6	12.9	11.2	6.5	6.3	10.6	13.3	10.3	11.9	0.4	14.0	7.2			
	SW	SW	SW	WSW	SW	SE	SE	SSE	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	SW	SSW	SSE	SSE	SSW	SSW	SSW					215(SSW)	
Sep 16	9.9	6.9	11.5	11.2	11.6	12.3	12.6	12.6	14.8	14.4	15.7	14.3	17.0	17.1	16.4	13.6	13.3	10.2	5.0	3.5	3.2	3.8	3.4	6.2	3.2	17.1	10.9			
	S	S	S	SSW	SSW	SW	SSW	SW	SW	WSW	WSW	WSW	WSW	SW	SW	WSW	SW	SW	S	SSE	SE	SE	SE	SSE					223(SW)	
Sep 17	4.5	5.2	4.5	6.2	6.1	2.7	5.6	6.1	8.3	8.3	9.5	9.4	11.9	11.4		P	P	P	P	P	P	P	P	P	2.7	11.9	NA			
	SSE	SE	SSE	SSE	SSE	ESE	SE	SE	SE	SSE	SSE	SSW	SSW	SSW		P	P	P	P	P	P	P	P	P					NA(NA)	
Sep 18		P	P	P	P		6.9	9.0	5.2	5.2	6.5	9.6	8.1	6.6	6.7	NRM	NRM	13.8	12.5	10.0	3.5	2.5	2.4	5.4	5.6	2.4	13.8	7.0		
		P	P	P	P	NNW	NNW	NNW	NW	NW	NW	NW	WNW	WSW		NRM	NRM	SSW	SW	SW	SSW	ESE	S	SW	SW					268(W)
Sep 19	9.5	7.2	9.4	10.2	5.3	4.7	3.2	4.1	9.1	11.7	10.8	10.8	13.3	11.3	13.5	13.1	8.8	6.4	3.4	1.4	1.3	2.1	2.5	3.0	1.3	13.5	7.3			
	SW	WSW	WSW	WSW	SW	SSW	S	SSE	SW	SW	SW	SW	WSW	WSW	WSW	W	W	W	WSW	S	ESE	ESE	SE	ESE					232(SW)	
Sep 20	2.3	2.2	2.0	1.2	2.5	0.2	2.3	0.7	4.5	9.7	9.0	8.0	9.7	7.5	1.8	8.5	8.8	11.4	5.6	3.4	2.1	1.6	3.6	0.9	0.2	11.4	4.6			
	SE	ESE	SE	ESE	SE	N	ENE	NNE	NNW	NNE	NE	NNE	NNW	N	NNW	W	SW	SSW	S	SSW	SE	SSE	SSE	SSW					9(N)	
Sep 21	1.8	4.1	5.3	5.8	5.0	9.4	8.9	9.6	13.4	13.3	14.4	13.5	16.8	20.9	17.3	11.6	12.4	10.3	7.6	8.3	8.7	7.2	7.2	7.3	1.8	20.9	10.0			
	SSE	SE	SE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	SSW					167(SSE)	
Sep 22	7.5	8.8	9.1	13.2	13.2	12.8	10.4	9.7	11.8	13.7	9.2	10.2	13.2	13.9	13.3	13.5	6.3	5.9	5.6	5.9	4.3	3.1	2.9	1.8	1.8	13.9	9.1			
	SW	S	SW	SSW	SSW	S	S	S	SSW	SW	SW	SW	WSW	WSW	SW	WSW	WSW	SW	SSW	S	SSW	SW	SSW	SSW					218(SW)	
Sep 23	3.2	4.4	4.2	4.5	3.2	4.6	8.4	8.0	8.7	6.8	7.8	9.1	12.4	19.1	13.1	13.2	17.5	16.7	14.6	14.3	12.6	9.2	16.0	16.0	3.2	19.1	10.3			
	SE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	SSE	S	S	SW	SW	SSW	SW	SW	SSW	SSW	SSW	S	SW	WSW					201(SSW)	
Sep 24	19.9	17.8	15.8	15.7	10.1	13.1	11.7	11.8	11.7	15.2	17.7	19.4	19.1	20.9	17.3	11.0	9.2	7.9	2.3	2.7	3.6	4.9	4.9	4.7	2.3	20.9	12.0			
	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	W	WSW	WSW	W	WSW	WSW	W	WSW	SW	S	ESE	ESE	ESE	SE	ENE					246(WSW)	
Sep 25	6.9	6.8	6.3	7.7	5.5	6.1	4.3	5.9	5.0	7.4	7.6	10.8	12.4	11.8	14.7	14.3	12.1	12.4	7.6	6.6	8.2	8.2	8.1	6.2	4.3	14.7	8.5			
	ENE	E	ESE	SE	ESE	SE	SSW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW					216(SW)	
Sep 26	6.1	7.0	8.1	6.7	6.0	6.8	9.6	8.0	12.1	17.9	21.1	21.3	21.9	22.2	21.1	20.4	16.9	11.7	7.2	8.7	4.9	4.1	7.2	7.5	4.1	22.2	11.9			
	SW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	WSW	W	W	WSW	WSW	W	W	WSW	SSW	SSW	SSW	SE	SE	S					241(WSW)	
Sep 27	1.3	2.7	1.2	1.7	4.7	2.6	1.9	2.7	4.9	8.1	7.3	7.9	3.9	9.0	17.8	17.2	22.0	13.1	17.1	12.3	14.4	18.6	22.1	15.9	1.2	22.1	9.6			
	SSE	S	ENE	ENE	ENE	E	E	SE	SE	SSE	SSE	S	SW	SW	WSW	W	WSW	WSW	W	WSW	WSW	W	WSW	WSW	SW					238(SW)
Sep 28	16.5	16.7	14.8	10.8	9.8	10.5	10.3	11.4	12.0	14.2	14.9	13.7	13.4	11.6	11.0	10.9	6.1	3.5	0.7	1.5	2.3	2.9	4.9	5.2	0.7	16.7	9.6			
	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	SW	SW	WSW	SW	WSW	SW	WSW</											

RENO -B STATION

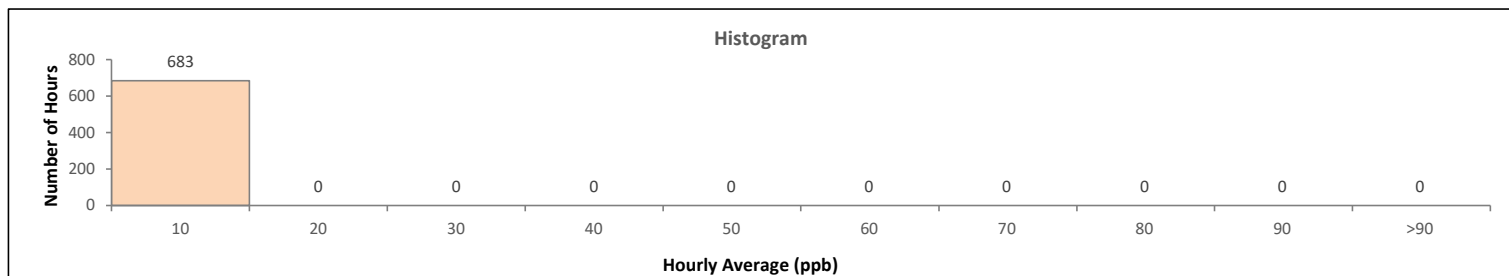
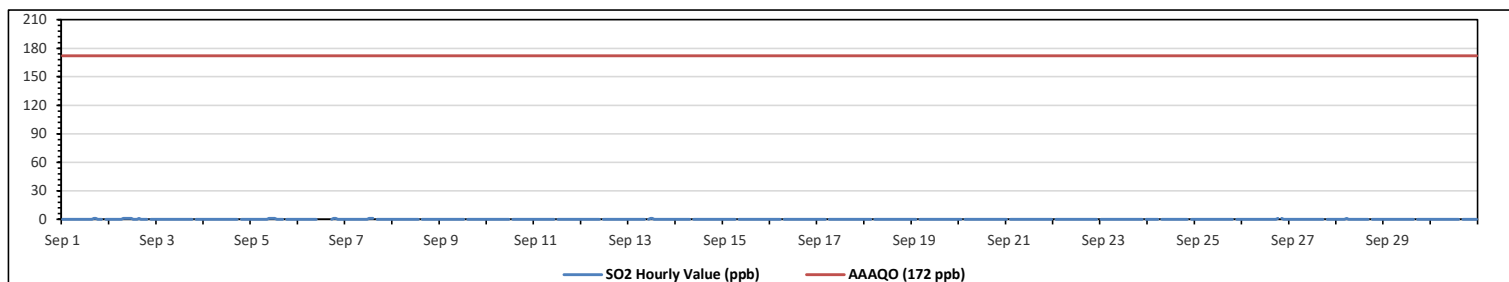
Peace River Area Monitoring Program

Reno-B Station - September 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO₂) 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 Sep 1 at hr 16					Hours in Service:					720																	
Maximum Daily Value:					0.3 ppb on Sep 2					Hours of Data:					683																	
Minimum Hourly Value:					0 ppb on Sep 1 at hr 0					Hours of Missing Data:					1																	
Minimum Daily Value:					0.0 ppb on Sep 3					Hours of Calibration:					36																	
Monthly Average:					0.0 ppb					Operational Uptime:					99.9																	
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average						
Sep 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	S	0	0	0	0	0	1	0.1	
Sep 2	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	S	0	0	0	0	0	1	0.3	
Sep 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0	
Sep 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0	
Sep 5	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.2	
Sep 6	0	0	0	0	0	0	0	0	0	0	C	C	C	C	C	0	S	0	1	1	0	0	0	0	0	0	0	0	1	0.1		
Sep 7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	S	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1		
Sep 8	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	
Sep 9	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	
Sep 10	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	
Sep 11	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	0.0	
Sep 12	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	0.0	
Sep 13	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	0	0	0	1	0.1		
Sep 14	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Sep 15	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Sep 16	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Sep 17	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Sep 18	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Sep 19	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Sep 20	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Sep 21	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Sep 22	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	S	0	0	0.0	
Sep 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	S	0	0	0.0
Sep 24	0	0	0	0	0	0	NRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
Sep 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	S	1	0	0	0	0	0	0	0	1	0.1		
Sep 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0	
Sep 28	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	1	0.0		
Sep 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Sep 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Diurnal Maximum	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0							
Diurnal Average	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0							
C	Monthly Calibration						S	Daily Zero-Span Check						Q	Quality Assurance																	
K	Collection Error						ND	No Data (Machine Not in Service)						Y	Routine Maintenance						P	Power Failure										
X	Invalid Data (Equipment Malfunction /Recovery)						NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)																								
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																

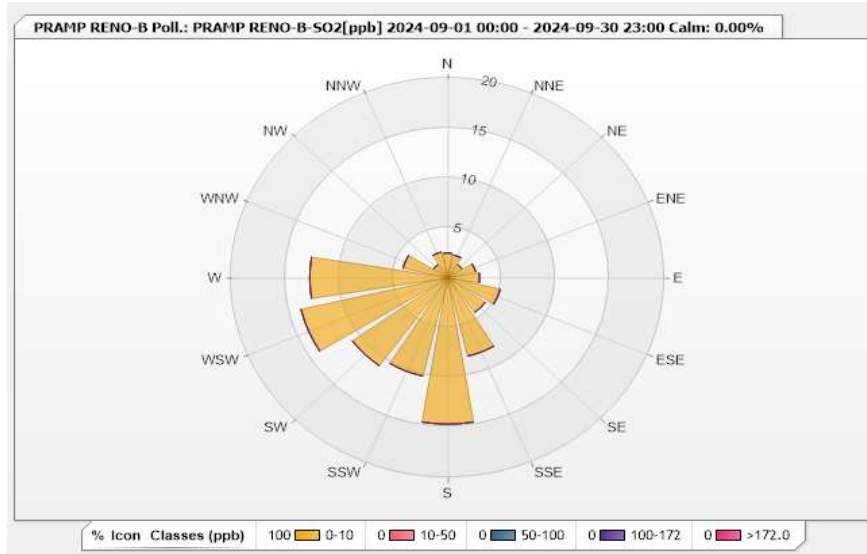


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-SO2[ppb] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 94.86% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	2.49	0	0	0	0	2.49
NNE	2.34	0	0	0	0	2.34
NE	1.61	0	0	0	0	1.61
ENE	2.64	0	0	0	0	2.64
E	2.93	0	0	0	0	2.93
ESE	4.98	0	0	0	0	4.98
SE	4.25	0	0	0	0	4.25
SSE	8.05	0	0	0	0	8.05
S	14.64	0	0	0	0	14.64
SSW	10.1	0	0	0	0	10.1
SW	10.83	0	0	0	0	10.83
WSW	13.91	0	0	0	0	13.91
W	12.74	0	0	0	0	12.74
WNW	4.25	0	0	0	0	4.25
NW	1.61	0	0	0	0	1.61
NNW	2.64	0	0	0	0	2.64
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - September 2024

Summary of Hourly Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

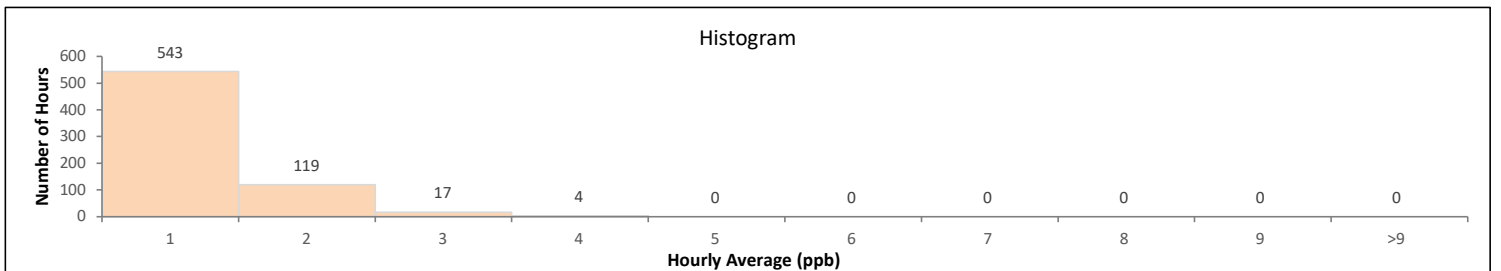
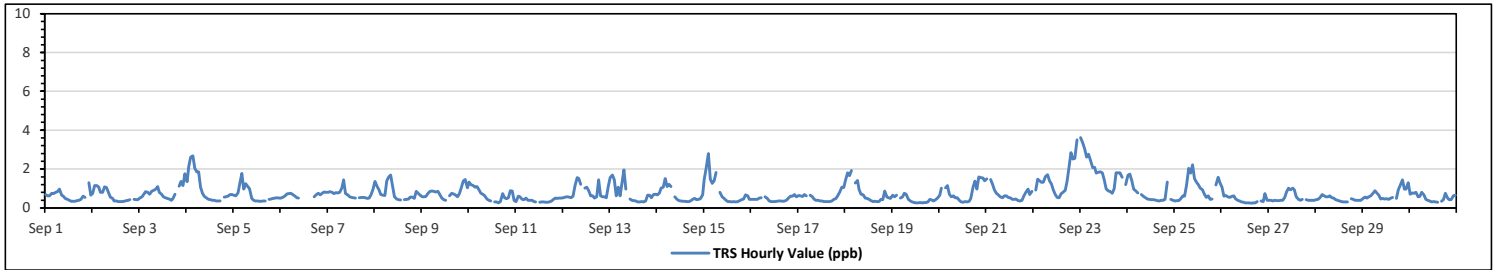
Maximum Hourly Value:	3.62	ppb	on Sep 23 at hr 0	Hours in Service:	720
Maximum Daily Value:	1.88	ppb	on Sep 23	Hours of Data:	683
Minimum Hourly Value:	0.24	ppb	on Sep 26 at hr 15	Hours of Missing Data:	1
Minimum Daily Value:	0.40	ppb	on Sep 11	Hours of Calibration:	36
Monthly Average:	0.74	ppb		Operational Uptime:	99.9

Day	0	1	2	3	4	5	6	7	8	9	Hourly Period Starting at (MST)														17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average
Sep 1	0.68	0.63	0.63	0.76	0.73	0.81	0.83	0.96	0.65	0.6	0.49	0.45	0.4	0.34	0.34	0.34	0.37	0.4	0.44	0.6	0.54	S	1.3	0.66	0.34	1.30	0.61							
Sep 2	0.74	1.14	1.15	1.07	0.81	0.81	1.08	1.05	0.79	0.55	0.48	0.36	0.35	0.33	0.33	0.33	0.34	0.37	0.4	0.42	S	0.44	0.42	0.42	0.33	1.15	0.62							
Sep 3	0.51	0.57	0.68	0.84	0.8	0.7	0.86	0.9	0.95	1.11	0.79	0.71	0.57	0.52	0.48	0.46	0.4	0.49	0.71	S	1.12	1.36	1.15	1.76	0.40	1.76	0.80							
Sep 4	1.35	2.12	2.62	2.68	2.03	1.87	1.85	1.07	0.75	0.59	0.5	0.45	0.42	0.4	0.38	0.35	0.35	0.35	S	0.55	0.57	0.6	0.69	0.68	0.35	2.68	1.01							
Sep 5	0.66	0.63	0.77	1.2	1.78	0.96	1.25	1.12	0.99	0.48	0.38	0.36	0.36	0.34	0.34	0.35	0.35	S	0.43	0.46	0.49	0.5	0.52	0.5	0.34	1.78	0.66							
Sep 6	0.5	0.55	0.6	0.72	0.73	0.74	0.68	0.61	0.53	0.5	C	C	C	C	C	0.48	S	0.56	0.69	0.76	0.67	0.74	0.82	0.8	0.48	0.82	0.65							
Sep 7	0.8	0.83	0.8	0.73	0.78	0.77	0.8	1.05	1.45	0.73	0.67	0.57	0.54	0.53	0.5	S	0.52	0.54	0.54	0.52	0.49	0.51	0.69	0.96	0.49	1.45	0.71							
Sep 8	1.36	1.09	0.91	0.69	0.66	0.64	1.4	1.59	1.69	1.04	0.56	0.46	0.42	0.41	S	0.42	0.45	0.46	0.55	0.55	0.48	0.86	0.74	0.66	0.41	1.69	0.79							
Sep 9	0.57	0.57	0.59	0.76	0.86	0.87	0.85	0.82	0.86	0.71	0.51	0.42	0.4	S	0.63	0.76	0.72	0.67	0.56	0.73	1.05	1.38	1.46	1.04	0.40	1.46	0.77							
Sep 10	1.32	1.19	1.14	1.07	1.11	0.93	0.74	0.7	0.62	0.46	0.39	0.35	S	0.3	0.31	0.27	0.32	0.73	0.52	0.47	0.52	0.89	0.87	0.37	0.27	1.32	0.68							
Sep 11	0.33	0.6	0.58	0.44	0.42	0.5	0.4	0.39	0.4	0.33	0.3	S	0.29	0.31	0.3	0.29	0.29	0.31	0.36	0.43	0.51	0.48	0.51	0.51	0.29	0.60	0.40							
Sep 12	0.53	0.55	0.56	0.55	0.53	0.6	1.13	1.57	1.5	1.21	S	1.02	1.06	0.88	0.63	0.62	0.51	0.58	1.45	0.62	0.58	0.56	0.52	1.11	0.51	1.57	0.82							
Sep 13	1.55	1.69	1.44	0.62	1.07	0.62	1.39	1.95	0.98	S	0.46	0.39	0.37	0.35	0.31	0.3	0.32	0.31	0.36	0.66	0.66	0.53	0.68	0.7	0.30	1.95	0.77							
Sep 14	0.67	0.77	1.02	1.07	1.51	1.1	1.21	1.11	S	0.57	0.45	0.37	0.35	0.34	0.34	0.33	0.32	0.35	0.44	0.49	0.42	0.44	0.47	0.67	0.32	1.51	0.64							
Sep 15	1.48	2.04	2.8	1.48	1.26	1.39	1.82	S	0.79	0.57	0.49	0.39	0.33	0.32	0.31	0.32	0.31	0.32	0.37	0.42	0.46	0.67	0.63	0.45	0.31	2.80	0.84							
Sep 16	0.45	0.44	0.43	0.45	0.51	0.52	S	0.58	0.49	0.36	0.32	0.32	0.33	0.34	0.35	0.35	0.34	0.35	0.41	0.52	0.6	0.6	0.69	0.57	0.32	0.69	0.45							
Sep 17	0.64	0.61	0.59	0.69	0.63	S	0.65	0.57	0.45	0.38	0.38	0.35	0.35	0.32	0.33	0.33	0.33	0.35	0.45	0.47	0.62	0.8	1.07	1.05	0.32	1.07	0.54							
Sep 18	1.4	1.81	1.66	1.92	S	1.29	1.41	0.93	0.7	0.67	0.51	0.48	0.44	0.37	0.33	0.34	0.32	0.32	0.44	0.42	0.87	0.55	0.53	0.49	0.32	1.92	0.79							
Sep 19	0.66	0.56	0.66	S	0.51	0.58	0.74	0.7	0.43	0.35	0.3	0.28	0.27	0.27	0.28	0.27	0.28	0.28	0.3	0.43	0.41	0.36	0.42	0.53	0.27	0.74	0.43							
Sep 20	0.66	1.01	S	1.03	1.16	0.71	0.58	0.61	0.53	0.52	0.4	0.3	0.29	0.32	0.3	0.34	0.48	1.06	1.38	0.96	1.59	1.57	1.54	1.4	0.29	1.59	0.81							
Sep 21	1.49	S	1.46	1.22	0.92	0.74	0.65	0.56	0.52	0.62	0.62	0.54	0.53	0.45	0.43	0.46	0.37	0.36	0.4	0.63	0.81	0.96	0.68	0.85	0.36	1.49	0.71							
Sep 22	S	0.92	1.48	1.39	1.31	1.34	1.61	1.71	1.39	1.23	0.92	0.68	0.54	0.52	0.72	0.82	0.9	1.38	2.11	2.84	2.51	2.55	3.52	S	0.52	3.52	1.47							
Sep 23	3.62	3.34	3.03	2.61	2.76	2.45	2.07	2.09	1.79	1.84	1.85	1.8	1.45	0.99	0.87	0.86	0.74	0.99	1.8	1.81	1.8	1.58	S	1.2	0.74	3.62	1.88							
Sep 24	1.67	1.75	1.42	0.98	0.89	0.77	NRM	0.68	0.59	0.53	0.46	0.44	0.42	0.42	0.41	0.37	0.36	0.4	0.39	0.44	1.34	S	0.44	0.4	0.36	1.75	0.71							
Sep 25	0.36	0.37	0.37	0.47	0.62	0.6	1.16	2.05	1.79	2.21	1.5	1.33	1.19	1.01	0.94	0.71	0.54	0.62	0.44	0.46	S	1.18	1.58	1.28	0.36	2.21	0.99							
Sep 26	1.07	0.6	0.64	0.58	0.54	0.59	0.61	0.47	0.4	0.35	0.31	0.29	0.27	0.27	0.25	0.24	0.26	0.25	0.33	S	0.36	0.32	0.73	0.38	0.24	1.07	0.44							
Sep 27	0.38	0.38	0.36	0.4	0.37	0.37	0.4	0.39	0.54	0.84	1.02	0.94	1.01	0.93	0.57	0.44	0.4	0.43	S	0.42	0.4	0.39	0.38	0.4	0.36	1.02	0.53							
Sep 28	0.42	0.44	0.52	0.69	0.64	0.56	0.56	0.63	0.52	0.51	0.42	0.38	0.35	0.33	0.31	0.31	0.31	S	0.47	0.43	0.4	0.4	0.38	0.38	0.31	0.69	0.45							
Sep 29	0.48	0.55	0.51	0.58	0.61	0.74	0.88	0.78	0.65	0.46	0.48	0.46	0.47	0.45	0.49	0.54	S	0.49	0.93	1.17	1.45	0.97	0.98	1.3	0.45	1.45	0.71							
Sep 30	0.71	0.77	0.76	0.8	0.58	0.59	0.81	0.67	0.44	0.38	0.36	0.31	0.32	0.31	0.29	S	0.34	0.42	0.76	0.51	0.42	0.42	0.61	0.66	0.29	0.81	0.53							
Diurnal Maximum	3.62	3.34	3.03	2.68	2.76	2.45	2.07	2.09	1.79	2.21	1.85	1.80	1.45	1.01	0.94	0.86	0.90	1.38	2.11	2.84	2.51	2.55	3.52	1.76										
Diurnal Average	0.93	0.98	1.04	0.98	0.94	0.87	1.02	0.98	0.83	0.71	0.58	0.54	0.50	0.45	0.43	0.43	0.41	0.51	0.66	0.69	0.79	0.81	0.86	0.76										

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

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

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

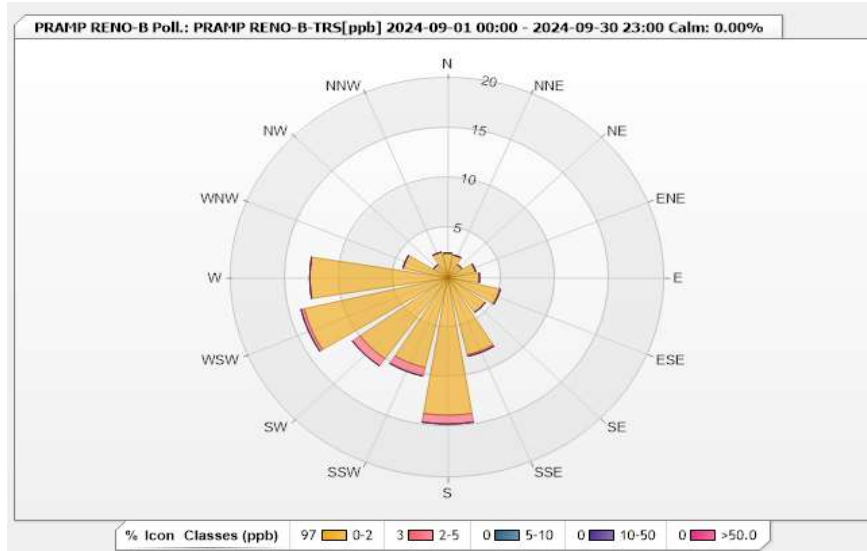


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-TRS[ppb] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 94.86% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	2.49	0	0	0	0	2.49
NNE	2.34	0	0	0	0	2.34
NE	1.61	0	0	0	0	1.61
ENE	2.64	0	0	0	0	2.64
E	2.93	0	0	0	0	2.93
ESE	4.98	0	0	0	0	4.98
SE	4.25	0	0	0	0	4.25
SSE	7.91	0.15	0	0	0	8.06
S	13.76	0.88	0	0	0	14.64
SSW	9.22	0.88	0	0	0	10.1
SW	9.96	0.88	0	0	0	10.84
WSW	13.62	0.29	0	0	0	13.91
W	12.74	0	0	0	0	12.74
WNW	4.25	0	0	0	0	4.25
NW	1.61	0	0	0	0	1.61
NNW	2.64	0	0	0	0	2.64
Summary	96.95	3.08	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - September 2024

Summary of Hourly Averages

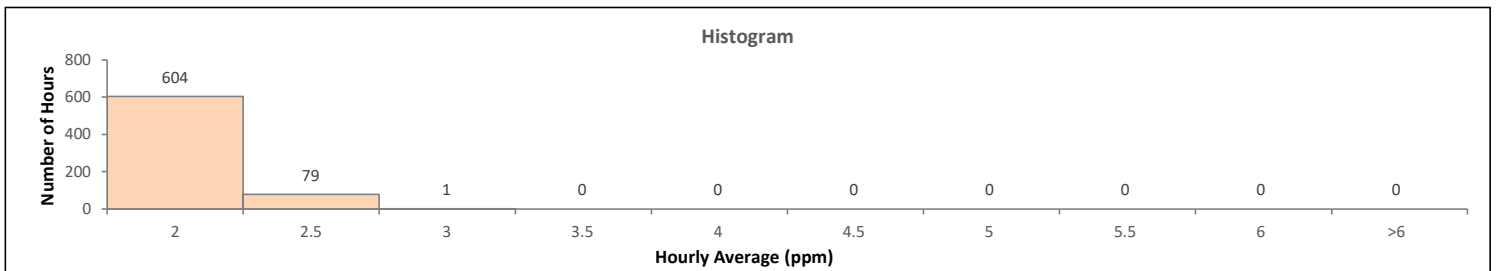
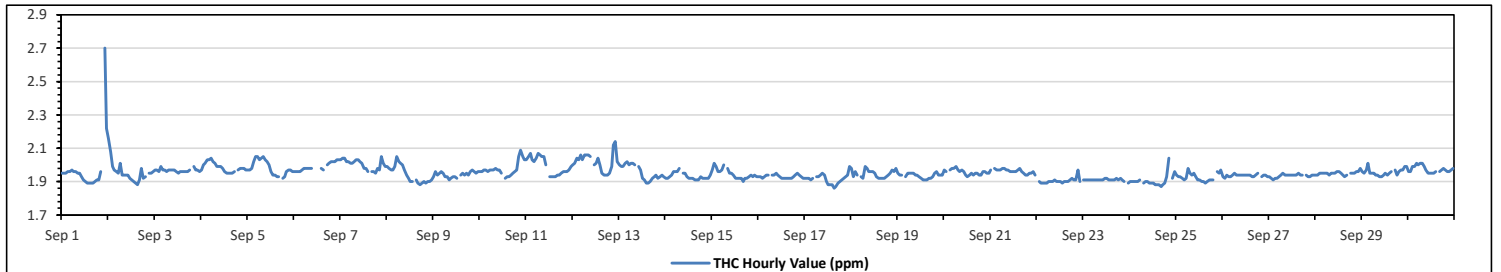
TOTAL HYDROCARBONS (THC) in ppm

Maximum Hourly Value:	2.70	ppm	on Sep 1 at hr 22	Hours in Service:	720
Maximum Daily Value:	2.02	ppm	on Sep 12	Hours of Data:	684
Minimum Hourly Value:	1.86	ppm	on Sep 17 at hr 15	Hours of Missing Data:	1
Minimum Daily Value:	1.90	ppm	on Sep 22	Hours of Calibration:	35
Monthly Average:	1.95	ppm		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
Sep 1	1.95	1.95	1.95	1.96	1.96	1.97	1.96	1.96	1.95	1.95	1.93	1.91	1.90	1.89	1.89	1.89	1.89	1.90	1.91	1.91	1.96	S	2.70	2.22	1.89	2.70	1.98	
Sep 2	2.16	2.08	1.99	1.97	1.96	1.95	2.01	1.94	1.94	1.94	1.94	1.92	1.91	1.90	1.89	1.88	1.91	1.98	1.92	1.93	S	1.95	1.95	1.96	1.88	2.16	1.96	
Sep 3	1.97	1.97	1.96	1.99	1.97	1.97	1.96	1.97	1.97	1.97	1.97	1.96	1.95	1.96	1.96	1.96	1.96	1.96	1.97	S	1.99	1.97	1.97	1.96	1.95	1.99	1.97	
Sep 4	1.97	2.00	2.01	2.03	2.03	2.04	2.02	2.01	1.99	1.99	1.99	1.98	1.96	1.95	1.95	1.95	1.95	1.96	S	1.97	1.98	1.98	1.98	1.97	1.95	2.04	1.99	
Sep 5	1.97	1.97	1.98	2.02	2.05	2.05	2.03	2.04	2.05	2.03	2.02	2.00	1.96	1.94	1.94	1.93	1.93	S	1.92	1.93	1.96	1.97	1.97	1.96	1.92	2.05	1.98	
Sep 6	1.96	1.96	1.96	1.96	1.97	1.98	1.98	1.98	1.98	1.98	C	C	C	C	1.98	1.97	S	2.00	2.01	2.02	2.02	2.02	2.03	2.03	1.96	2.03	1.99	
Sep 7	2.03	2.04	2.04	2.02	2.02	2.01	2.01	2.02	2.03	2.03	2.02	2.01	1.98	1.98	1.96	S	1.96	1.96	1.95	1.98	1.97	2.05	2.01	1.99	1.95	2.05	2.00	
Sep 8	1.99	1.98	1.97	1.97	1.99	2.05	2.02	2.01	2.00	1.97	1.94	1.92	1.90	1.90	S	1.91	1.89	1.88	1.89	1.90	1.89	1.90	1.90	1.91	1.88	2.05	1.94	
Sep 9	1.93	1.96	1.94	1.95	1.96	1.95	1.93	1.93	1.91	1.92	1.93	1.93	1.92	S	1.94	1.95	1.94	1.95	1.94	1.96	1.97	1.96	1.95	1.96	1.91	1.97	1.94	
Sep 10	1.96	1.96	1.97	1.97	1.96	1.97	1.97	1.97	1.98	1.97	1.97	1.95	S	1.92	1.93	1.93	1.93	1.94	1.95	1.96	1.97	2.05	2.09	2.05	2.03	1.92	2.09	1.97
Sep 11	2.03	2.05	2.07	2.03	2.02	2.04	2.07	2.06	2.05	2.05	2.00	S	1.93	1.93	1.93	1.93	1.94	1.94	1.95	1.96	1.96	1.96	1.97	1.99	1.93	2.07	1.99	
Sep 12	2.00	2.01	2.04	2.03	2.06	2.03	2.06	2.06	2.06	2.05	S	2.00	2.01	2.04	2.00	1.95	1.94	1.94	1.94	1.95	1.99	2.12	2.14	2.02	1.94	2.14	2.02	
Sep 13	2.00	1.99	1.99	2.01	2.02	2.00	2.01	2.01	2.00	S	1.99	1.97	1.92	1.91	1.89	1.89	1.90	1.92	1.93	1.94	1.92	1.93	1.94	1.93	1.89	2.02	1.96	
Sep 14	1.92	1.92	1.93	1.94	1.96	1.96	1.96	1.98	S	1.95	1.95	1.93	1.92	1.92	1.92	1.91	1.91	1.91	1.93	1.92	1.92	1.92	1.92	1.94	1.91	1.98	1.93	
Sep 15	1.97	2.01	1.99	1.96	1.96	1.97	2.00	S	1.98	1.95	1.95	1.94	1.92	1.92	1.92	1.92	1.90	1.92	1.92	1.93	1.94	1.93	1.94	1.93	1.90	2.01	1.95	
Sep 16	1.93	1.93	1.92	1.93	1.94	1.94	S	1.94	1.94	1.95	1.94	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.93	1.94	1.95	1.94	1.93	1.92	1.95	1.93	
Sep 17	1.92	1.92	1.92	1.91	1.92	S	1.93	1.93	1.93	1.94	1.95	1.94	1.90	1.88	1.88	1.88	1.86	1.87	1.89	1.90	1.91	1.92	1.93	1.94	1.99	1.86	1.99	1.91
Sep 18	1.98	1.93	1.96	1.94	S	1.93	1.92	1.99	1.98	1.96	1.96	1.95	1.95	1.93	1.92	1.92	1.92	1.92	1.92	1.93	1.94	1.95	1.97	1.96	1.98	1.92	1.99	1.95
Sep 19	1.95	1.94	1.94	S	1.93	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.93	1.92	1.91	1.91	1.91	1.92	1.92	1.93	1.95	1.96	1.94	1.94	1.94	1.91	1.96	1.94
Sep 20	1.97	1.96	S	1.97	1.98	1.98	1.99	1.97	1.96	1.97	1.96	1.94	1.93	1.94	1.95	1.94	1.95	1.94	1.95	1.94	1.94	1.96	1.96	1.95	1.95	1.93	1.99	1.96
Sep 21	1.97	S	1.98	1.97	1.97	1.97	1.98	1.98	1.97	1.97	1.96	1.96	1.96	1.96	1.97	1.98	1.96	1.95	1.94	1.94	1.95	1.95	1.96	1.94	1.94	1.98	1.96	
Sep 22	S	1.90	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.91	1.90	1.90	1.90	1.89	1.90	1.90	1.90	1.91	1.92	1.91	1.91	1.91	1.97	1.90	S	1.89	1.97	1.90
Sep 23	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.91	1.91	1.91	1.91	1.92	1.91	1.92	1.91	1.90	S	1.89	1.89	1.92	1.91
Sep 24	1.90	1.90	1.90	1.90	1.90	1.91	NRM	1.89	1.90	1.90	1.89	1.89	1.89	1.88	1.88	1.88	1.87	1.88	1.89	1.93	2.04	S	1.92	1.96	1.87	2.04	1.90	
Sep 25	1.94	1.93	1.93	1.92	1.91	1.92	1.98	1.95	1.94	1.95	1.93	1.91	1.91	1.90	1.90	1.89	1.90	1.91	1.91	1.91	S	1.96	1.95	1.97	1.89	1.98	1.93	
Sep 26	1.93	1.92	1.94	1.93	1.93	1.94	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.94	1.95	S	1.93	1.94	1.94	1.93	1.92	1.95	1.94	
Sep 27	1.93	1.92	1.91	1.92	1.92	1.93	1.94	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.94	1.94	S	1.94	1.93	1.93	1.94	1.94	1.91	1.95	1.94	
Sep 28	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.94	1.95	1.95	1.95	1.95	1.96	1.96	1.95	1.94	1.93	1.94	S	1.95	1.95	1.95	1.96	1.96	1.98	1.93	1.98	1.95
Sep 29	1.96	1.95	1.97	2.01	1.95	1.95	1.95	1.94	1.94	1.93	1.93	1.94	1.95	1.94	1.95	1.96	S	1.97	1.94	1.96	1.97	1.97	1.99	1.99	1.93	2.01	1.96	
Sep 30	1.96	1.96	1.99	1.99	2.01	2.00	2.01	2.01	1.99	1.97	1.95	1.95	1.95	1.95	1.96	S	1.96	1.97	1.98	1.97	1.96	1.96	1.97	1.98	1.95	2.01	1.97	
Diurnal Maximum	2.16	2.08	2.07	2.03	2.06	2.05	2.07	2.06	2.06	2.05	2.02	2.01	2.01	2.04	2.00	1.98	1.96	2.00	2.01	2.02	2.05	2.12	2.70	2.22				
Diurnal Average	1.97	1.96	1.96	1.96	1.97	1.97	1.98	1.97	1.97	1.96	1.95	1.94	1.93	1.93	1.93	1.92	1.92	1.93	1.93	1.94	1.96	1.97	1.99	1.97				

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

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

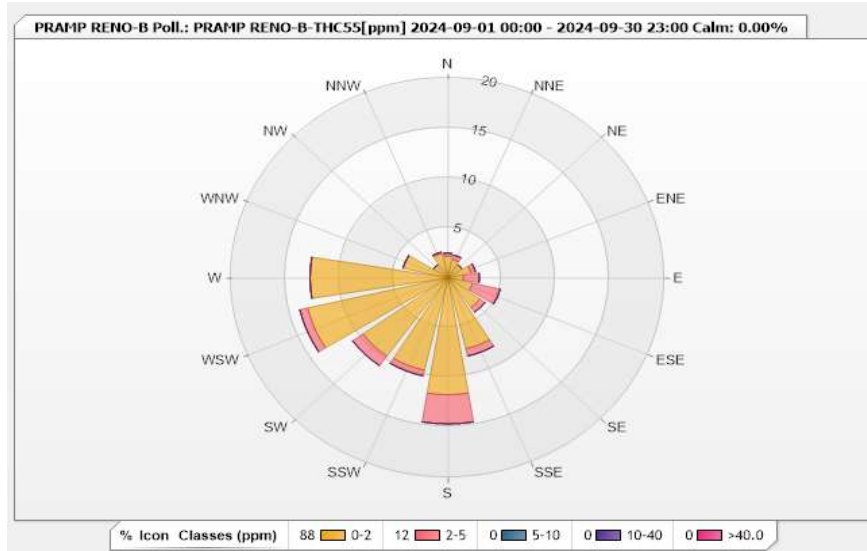


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-THC55[ppm] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 95.00% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	2.19	0.29	0	0	0	2.48
NNE	1.9	0.44	0	0	0	2.34
NE	1.61	0	0	0	0	1.61
ENE	2.19	0.44	0	0	0	2.63
E	1.46	1.46	0	0	0	2.92
ESE	2.34	2.63	0	0	0	4.97
SE	3.65	0.58	0	0	0	4.23
SSE	7.31	0.73	0	0	0	8.04
S	11.7	2.92	0	0	0	14.62
SSW	9.5	0.58	0	0	0	10.08
SW	9.65	1.17	0	0	0	10.82
WSW	13.3	0.73	0	0	0	14.03
W	12.72	0	0	0	0	12.72
WNW	4.24	0	0	0	0	4.24
NW	1.61	0	0	0	0	1.61
NNW	2.49	0.15	0	0	0	2.64
Summary	87.86	12.12	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - September 2024

Summary of Hourly Averages

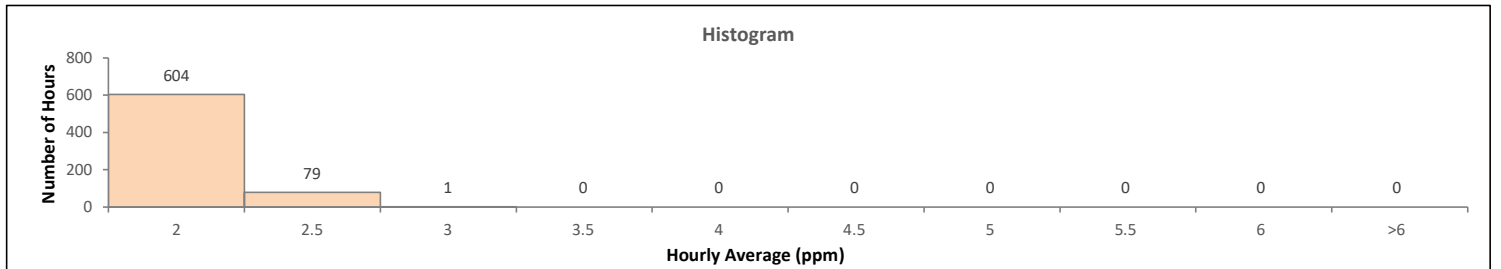
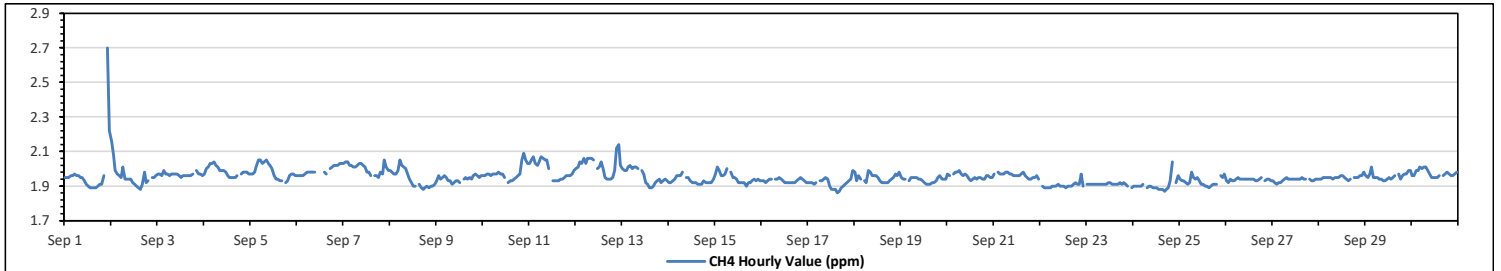
METHANE (CH4) in ppm

Maximum Hourly Value:	2.70	ppm	on Sep 1 at hr 22	Hours in Service:	720
Maximum Daily Value:	2.02	ppm	on Sep 12	Hours of Data:	684
Minimum Hourly Value:	1.86	ppm	on Sep 17 at hr 15	Hours of Missing Data:	1
Minimum Daily Value:	1.90	ppm	on Sep 22	Hours of Calibration:	35
Monthly Average:	1.95	ppm		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average	
Sep 1	1.95	1.95	1.95	1.96	1.96	1.97	1.96	1.96	1.95	1.95	1.93	1.91	1.90	1.89	1.89	1.89	1.89	1.90	1.91	1.91	1.96	S	2.70	2.22	1.89	2.70	1.98	
Sep 2	2.16	2.08	1.99	1.97	1.96	1.95	2.01	1.94	1.94	1.94	1.94	1.92	1.91	1.90	1.89	1.88	1.91	1.98	1.92	1.93	S	1.95	1.95	1.96	1.88	2.16	1.96	
Sep 3	1.97	1.97	1.96	1.99	1.97	1.97	1.96	1.97	1.97	1.97	1.97	1.96	1.95	1.96	1.96	1.96	1.96	1.96	1.97	S	1.99	1.97	1.97	1.96	1.95	1.99	1.97	
Sep 4	1.97	2.00	2.01	2.03	2.03	2.04	2.02	2.01	1.99	1.99	1.99	1.98	1.96	1.95	1.95	1.95	1.95	1.96	S	1.97	1.98	1.98	1.98	1.97	1.95	2.04	1.99	
Sep 5	1.97	1.97	1.98	2.02	2.05	2.05	2.03	2.04	2.05	2.03	2.02	2.00	1.96	1.94	1.94	1.93	1.93	S	1.92	1.93	1.96	1.97	1.97	1.96	1.92	2.05	1.98	
Sep 6	1.96	1.96	1.96	1.96	1.97	1.98	1.98	1.98	1.98	1.98	C	C	C	C	1.98	1.97	S	2.00	2.01	2.02	2.02	2.02	2.03	2.03	1.96	2.03	1.99	
Sep 7	2.03	2.04	2.04	2.02	2.02	2.01	2.01	2.02	2.03	2.03	2.02	2.01	1.98	1.98	1.96	S	1.96	1.96	1.95	1.98	1.97	2.05	2.01	1.99	1.95	2.05	2.00	
Sep 8	1.99	1.98	1.97	1.97	1.99	2.05	2.02	2.01	2.00	1.97	1.94	1.92	1.90	1.90	S	1.91	1.89	1.88	1.89	1.90	1.89	1.90	1.90	1.91	1.88	2.05	1.94	
Sep 9	1.93	1.96	1.94	1.95	1.96	1.95	1.93	1.93	1.91	1.92	1.93	1.93	1.92	S	1.94	1.95	1.94	1.95	1.94	1.96	1.97	1.96	1.95	1.96	1.91	1.97	1.94	
Sep 10	1.96	1.96	1.97	1.97	1.96	1.97	1.97	1.97	1.98	1.97	1.97	1.95	S	1.92	1.93	1.93	1.93	1.94	1.95	1.96	1.97	2.05	2.09	2.05	2.03	1.92	2.09	1.97
Sep 11	2.03	2.05	2.07	2.03	2.02	2.04	2.07	2.06	2.05	2.05	2.00	S	1.93	1.93	1.93	1.93	1.94	1.94	1.95	1.96	1.96	1.96	1.97	1.99	1.93	2.07	1.99	
Sep 12	2.00	2.01	2.04	2.03	2.06	2.03	2.06	2.06	2.06	2.05	S	2.00	2.01	2.04	2.00	1.95	1.94	1.94	1.94	1.95	1.99	2.12	2.14	2.02	1.94	2.14	2.02	
Sep 13	2.00	1.99	1.99	2.01	2.02	2.00	2.01	2.01	2.00	S	1.99	1.97	1.92	1.91	1.89	1.89	1.90	1.92	1.93	1.94	1.92	1.93	1.94	1.93	1.89	2.02	1.96	
Sep 14	1.92	1.92	1.93	1.94	1.96	1.96	1.96	1.98	S	1.95	1.95	1.93	1.92	1.92	1.92	1.91	1.91	1.91	1.93	1.92	1.92	1.92	1.92	1.94	1.91	1.98	1.93	
Sep 15	1.97	2.01	1.99	1.96	1.96	1.97	2.00	S	1.98	1.95	1.95	1.94	1.92	1.92	1.92	1.92	1.90	1.92	1.92	1.93	1.94	1.93	1.94	1.93	1.90	2.01	1.95	
Sep 16	1.93	1.93	1.92	1.93	1.94	1.94	S	1.94	1.94	1.95	1.94	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.93	1.94	1.95	1.94	1.93	1.92	1.92	1.93	
Sep 17	1.92	1.92	1.92	1.91	1.92	S	1.93	1.93	1.94	1.95	1.94	1.90	1.88	1.88	1.88	1.86	1.87	1.89	1.90	1.91	1.92	1.93	1.94	1.99	1.86	1.99	1.91	
Sep 18	1.98	1.93	1.96	1.94	S	1.93	1.92	1.99	1.98	1.96	1.96	1.95	1.95	1.93	1.92	1.92	1.92	1.92	1.93	1.94	1.95	1.97	1.96	1.98	1.92	1.99	1.95	
Sep 19	1.95	1.94	1.94	S	1.93	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.93	1.92	1.91	1.91	1.91	1.92	1.92	1.93	1.95	1.96	1.94	1.94	1.94	1.91	1.96	1.94
Sep 20	1.97	1.96	S	1.97	1.98	1.98	1.99	1.97	1.96	1.97	1.96	1.94	1.93	1.94	1.95	1.94	1.95	1.95	1.94	1.94	1.96	1.96	1.95	1.95	1.93	1.99	1.96	
Sep 21	1.97	S	1.98	1.97	1.97	1.97	1.98	1.98	1.97	1.97	1.96	1.96	1.96	1.96	1.97	1.98	1.96	1.95	1.94	1.94	1.95	1.95	1.96	1.94	1.94	1.98	1.96	
Sep 22	S	1.90	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.91	1.90	1.90	1.90	1.89	1.90	1.90	1.90	1.91	1.92	1.91	1.91	1.97	1.90	S	1.89	1.97	1.90	
Sep 23	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.91	1.91	1.91	1.91	1.92	1.91	1.92	1.91	1.90	S	1.89	1.92	1.91	
Sep 24	1.90	1.90	1.90	1.90	1.90	1.91	NRM	1.89	1.90	1.90	1.89	1.89	1.89	1.88	1.88	1.88	1.87	1.88	1.89	1.93	2.04	S	1.92	1.96	1.87	2.04	1.90	
Sep 25	1.94	1.93	1.93	1.92	1.91	1.92	1.98	1.95	1.94	1.95	1.93	1.91	1.91	1.90	1.90	1.89	1.90	1.91	1.91	1.91	S	1.96	1.95	1.97	1.89	1.98	1.93	
Sep 26	1.93	1.92	1.94	1.93	1.93	1.94	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.94	1.95	S	1.93	1.94	1.94	1.93	1.92	1.95	1.94	
Sep 27	1.93	1.92	1.91	1.92	1.92	1.93	1.94	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.94	1.94	S	1.95	1.94	1.93	1.93	1.94	1.94	1.91	1.95	1.94
Sep 28	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.94	1.95	1.95	1.95	1.95	1.96	1.96	1.95	1.94	1.93	1.94	S	1.95	1.95	1.95	1.96	1.96	1.98	1.93	1.98	1.95
Sep 29	1.96	1.95	1.97	2.01	1.95	1.95	1.95	1.94	1.94	1.93	1.93	1.94	1.95	1.94	1.95	1.96	S	1.97	1.94	1.96	1.97	1.97	1.99	1.99	1.93	2.01	1.96	
Sep 30	1.96	1.96	1.99	1.99	2.01	2.00	2.01	2.01	1.99	1.97	1.95	1.95	1.95	1.95	1.96	S	1.96	1.97	1.98	1.97	1.96	1.96	1.97	1.98	1.95	2.01	1.97	
Diurnal Maximum	2.16	2.08	2.07	2.03	2.06	2.05	2.07	2.06	2.06	2.05	2.02	2.01	2.01	2.04	2.00	1.98	1.96	2.00	2.01	2.02	2.05	2.12	2.70	2.22				
Diurnal Average	1.97	1.96	1.96	1.96	1.97	1.97	1.98	1.97	1.97	1.96	1.95	1.94	1.93	1.93	1.93	1.92	1.92	1.93	1.93	1.94	1.96	1.97	1.99	1.97				

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

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

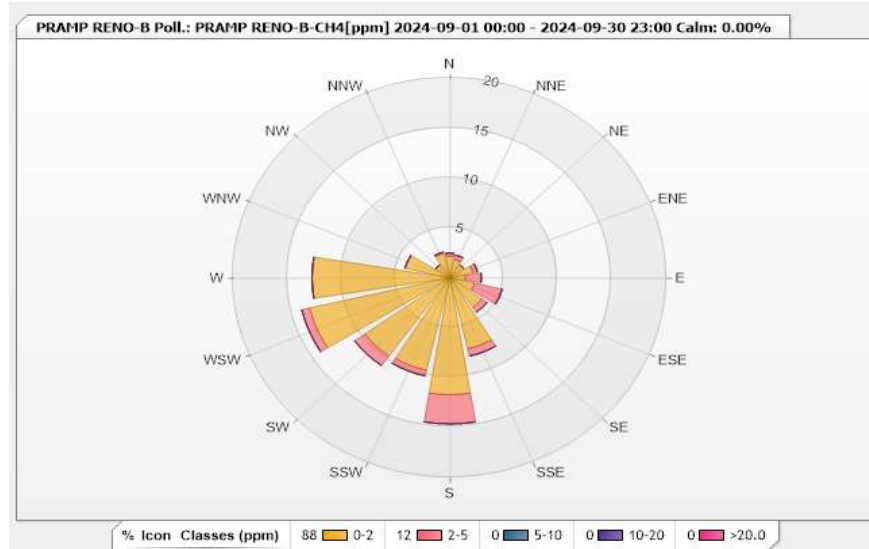


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-CH4[ppm] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 95.00% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	2.19	0.29	0	0	0	2.48
NNE	1.9	0.44	0	0	0	2.34
NE	1.61	0	0	0	0	1.61
ENE	2.19	0.44	0	0	0	2.63
E	1.46	1.46	0	0	0	2.92
ESE	2.34	2.63	0	0	0	4.97
SE	3.65	0.58	0	0	0	4.23
SSE	7.31	0.73	0	0	0	8.04
S	11.7	2.92	0	0	0	14.62
SSW	9.5	0.58	0	0	0	10.08
SW	9.65	1.17	0	0	0	10.82
WSW	13.3	0.73	0	0	0	14.03
W	12.72	0	0	0	0	12.72
WNW	4.24	0	0	0	0	4.24
NW	1.61	0	0	0	0	1.61
NNW	2.49	0.15	0	0	0	2.64
Summary	87.86	12.12	0	0	0	100



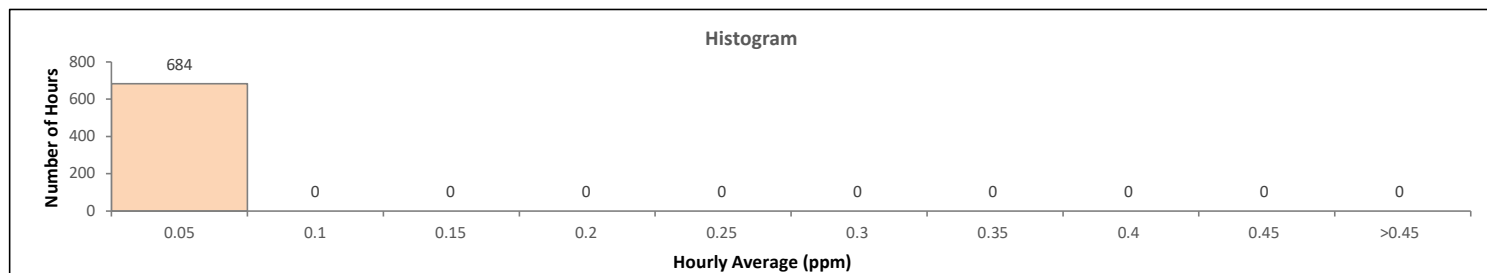
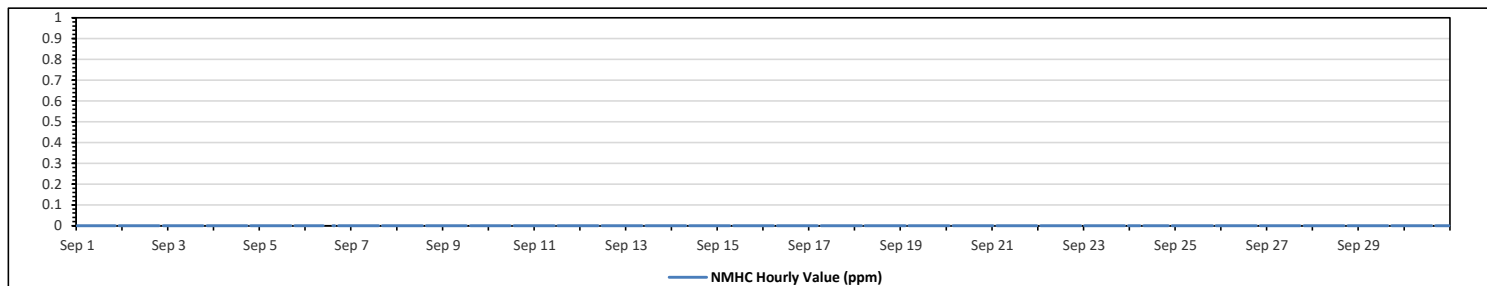
Peace River Area Monitoring Program

Reno-B Station - September 2024

Summary of Hourly Averages

NON-METHANE HYDROCARBONS (NMHC) in ppm

Maximum Hourly Value:	0.00	ppm	on Sep 1 at hr 0												Hours in Service:	720											
Maximum Daily Value:	0.00	ppm	on Sep 1												Hours of Data:	684											
Minimum Hourly Value:	0.00	ppm	on Sep 1 at hr 0												Hours of Missing Data:	1											
Minimum Daily Value:	0.00	ppm	on Sep 1												Hours of Calibration:	35											
Monthly Average:	0.00	ppm													Operational Uptime:	99.9											
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average
Sep 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Sep 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Sep 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Sep 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 6	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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 16	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 17	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 18	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 19	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 20	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 21	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 22	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Sep 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	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Sep 24	0.00	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	S	0.00	0.00	0.00	0.00	0.00
Sep 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Sep 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	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	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	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.																											

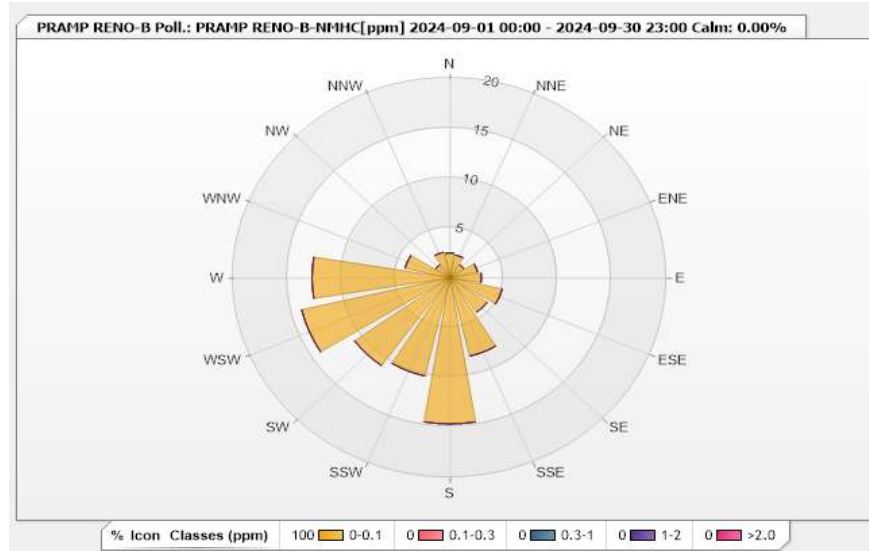


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-NMHC[ppm] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 95.00% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	2.49	0	0	0	0	2.49
NNE	2.34	0	0	0	0	2.34
NE	1.61	0	0	0	0	1.61
ENE	2.63	0	0	0	0	2.63
E	2.92	0	0	0	0	2.92
ESE	4.97	0	0	0	0	4.97
SE	4.24	0	0	0	0	4.24
SSE	8.04	0	0	0	0	8.04
S	14.62	0	0	0	0	14.62
SSW	10.09	0	0	0	0	10.09
SW	10.82	0	0	0	0	10.82
WSW	14.04	0	0	0	0	14.04
W	12.72	0	0	0	0	12.72
WNW	4.24	0	0	0	0	4.24
NW	1.61	0	0	0	0	1.61
NNW	2.63	0	0	0	0	2.63
Summary	100	0	0	0	0	100



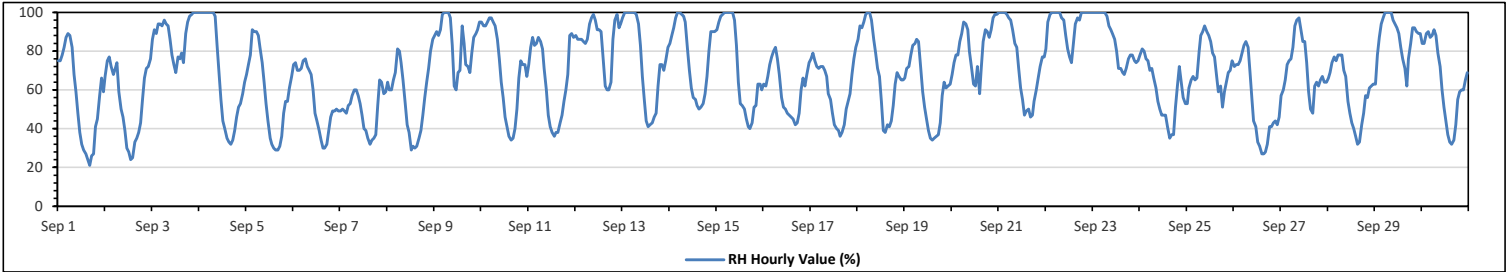
Peace River Area Monitoring Program

Reno-B Station - September 2024

Summary of Hourly Averages

RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:		100	%	on Sep 3 at hr 21	Hours in Service:		720																									
Maximum Daily Value:		94.1	%	on Sep 22	Hours of Data:		720																									
Minimum Hourly Value:		21	%	on Sep 1 at hr 16	Hours of Missing Data:		0																									
Minimum Daily Value:		49.4	%	on Sep 7	Hours of Calibration:		0																									
Monthly Average:		68.9	%		Operational Uptime:		100.0																									
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average						
Sep 1	75	75	78	82	87	89	88	82	68	59	48	38	32	29	27	24	21	26	27	41	45	57	66	59	21	89	55.1					
Sep 2	67	75	77	72	68	71	74	59	50	46	39	30	28	24	25	33	35	38	43	55	66	71	72	76	24	77	53.9					
Sep 3	86	91	89	94	94	93	96	94	93	86	78	73	69	77	76	79	74	89	95	98	99	100	100	100	69	100	88.5					
Sep 4	100	100	100	100	100	100	100	100	98	83	69	55	44	40	35	33	32	34	39	46	51	53	58	64	32	100	68.1					
Sep 5	68	73	78	91	90	90	88	82	74	64	53	44	35	32	30	29	29	31	36	48	54	54	61	67	29	91	58.4					
Sep 6	73	74	70	70	71	75	76	72	70	68	60	48	44	39	34	30	30	32	39	46	49	49	50	49	30	76	54.9					
Sep 7	49	50	49	48	52	53	57	60	60	57	53	47	40	39	35	32	34	35	37	52	65	64	58	59	32	65	49.4					
Sep 8	64	60	60	65	69	81	80	74	65	53	42	38	29	31	30	31	35	39	47	56	64	71	80	86	29	86	56.3					
Sep 9	88	90	88	91	99	100	100	100	97	83	62	60	69	70	93	84	73	72	69	79	87	89	91	95	60	100	84.5					
Sep 10	95	93	93	95	97	97	95	93	86	76	64	56	46	41	36	34	35	40	50	66	75	73	73	67	34	97	69.8					
Sep 11	73	82	87	83	84	87	85	81	71	60	47	41	38	36	38	43	47	54	60	68	88	89	87	36	89	65.3						
Sep 12	88	86	86	86	85	84	86	94	97	99	96	91	91	90	75	62	60	60	64	86	96	99	92	94	60	99	85.3					
Sep 13	97	100	100	100	100	100	100	100	99	94	83	67	55	44	41	42	43	46	48	62	73	73	70	75	82	41	100	74.8				
Sep 14	84	88	92	97	100	100	99	98	95	81	70	61	56	55	52	50	51	53	58	67	80	90	90	90	50	100	77.4					
Sep 15	91	95	98	99	100	100	100	100	100	96	83	64	53	52	50	45	41	40	43	51	52	63	63	60	40	100	72.5					
Sep 16	63	62	67	73	77	80	82	76	68	56	51	50	48	47	46	45	42	43	48	60	66	62	68	74	42	82	60.6					
Sep 17	76	79	75	72	71	72	72	70	67	58	55	48	42	40	39	36	38	42	50	54	58	68	76	82	36	82	60.0					
Sep 18	86	93	92	95	99	100	100	96	86	79	71	67	54	39	38	42	41	44	52	63	69	67	65	65	38	100	71.0					
Sep 19	66	71	72	78	83	84	86	85	73	59	51	45	39	35	34	35	36	37	43	57	64	61	62	63	34	86	59.1					
Sep 20	68	74	78	78	85	89	95	94	91	80	71	63	62	72	58	71	85	91	90	87	91	97	99	99	58	99	82.0					
Sep 21	100	100	100	100	99	97	96	91	84	82	71	61	55	47	49	50	46	47	54	60	66	72	77	77	46	100	74.2					
Sep 22	81	95	99	100	100	100	100	100	97	96	88	81	77	74	84	94	97	96	100	100	100	100	100	100	74	100	94.1					
Sep 23	100	100	100	100	100	100	100	100	98	93	91	89	86	80	71	71	69	68	71	76	78	78	75	74	75	68	100	85.1				
Sep 24	78	81	80	76	75	70	71	66	61	54	50	47	47	47	41	35	37	37	51	62	72	64	56	53	35	81	58.8					
Sep 25	53	61	65	67	65	66	80	88	90	93	90	88	85	79	77	68	59	62	51	59	64	69	70	75	51	93	71.8					
Sep 26	72	73	73	75	79	83	85	82	69	55	44	41	33	31	27	27	28	32	41	41	43	44	42	46	27	85	52.8					
Sep 27	57	60	65	73	75	76	82	93	96	97	91	85	85	74	59	50	48	62	64	62	65	67	64	64	48	97	71.4					
Sep 28	66	69	74	77	75	78	78	78	70	67	54	48	43	40	36	32	33	42	48	57	56	61	62	63	32	78	58.6					
Sep 29	63	78	87	94	97	100	100	100	100	96	94	92	89	82	76	71	62	76	84	92	92	90	89	89	62	100	87.2					
Sep 30	84	84	89	90	87	88	91	88	79	72	60	51	44	37	33	32	34	42	55	59	60	60	65	69	32	91	64.7					
Diurnal Maximum	100	100	100	100	100	100	100	100	100	99	96	92	91	90	93	94	97	96	100	100	100	100	100	100	100							
Diurnal Average	77.0	80.4	82.0	84.0	85.4	86.8	88.1	86.4	81.4	74.3	65.4	58.5	53.4	50.4	48.2	46.8	46.4	50.3	55.7	63.8	68.9	71.6	72.9	74.3								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 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 - September 2024

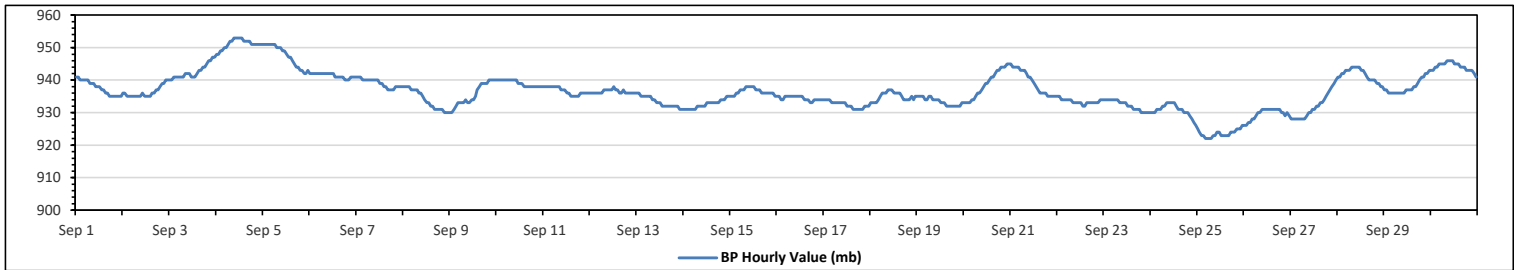
Summary of Hourly Averages

BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	953	mb	on Sep 4 at hr 9	Hours in Service:	720																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Maximum Daily Value:	951	mb	on Sep 4	Hours of Data:	720																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Minimum Hourly Value:	922	mb	on Sep 25 at hr 4	Hours of Missing Data:	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Minimum Daily Value:	924	mb	on Sep 25	Hours of Calibration:	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Monthly Average:	937	mb		Operational Uptime:	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Sep 1	941	941	940	940	940	940	939	939	939	938	938	938	937	937	936	936	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935

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

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



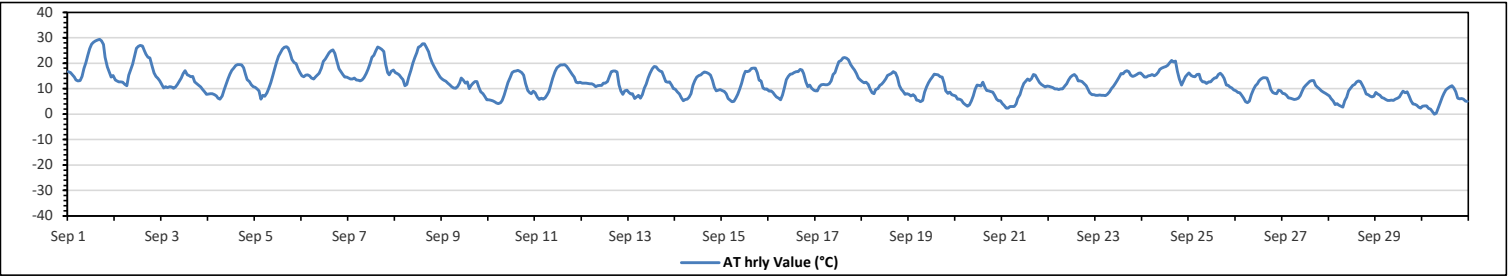
Peace River Area Monitoring Program

Reno-B Station - September 2024

Summary of Hourly Averages

AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	29.4	°C	on Sep 1 at hr 16	Hours in Service:	720																																		
Maximum Daily Value:	20.4	°C	on Sep 1	Hours of Data:	720																																		
Minimum Hourly Value:	0.0	°C	on Sep 30 at hr 6	Hours of Missing Data:	0																																		
Minimum Daily Value:	5.5	°C	on Sep 30	Hours of Calibration:	0																																		
Monthly Average:	12.5	°C		Operational Uptime:	100.0																																		
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average													
Sep 1	16.7	16.3	15.4	14.5	13.5	13	13.2	14.9	17.9	20.2	23.1	25.7	27.5	28.3	28.7	29.2	29.4	28.8	27.4	22.3	18.6	16.5	14.5	15.1	13.0	29.4	20.4												
Sep 2	13.4	13	12.6	12.6	12.5	11.7	11.1	15.3	17.5	19.6	22.7	25.8	26.7	27	26.8	24.9	23.5	22.3	22.1	18.9	16.2	14.8	14	13	11.1	27.0	18.3												
Sep 3	11.6	10.3	10.8	10.4	10.8	10.7	10.1	10.7	11.6	12.9	14.2	15.9	17.1	15.4	15.1	14.7	14.8	12.7	11.9	11.3	10.7	9.6	8.7	7.8	7.8	17.1	12.1												
Sep 4	7.9	8.1	8	7.6	7.1	6.2	5.9	7.1	9.5	11.7	13.7	15.7	17.2	18.1	19	19.4	19.5	19.3	18.2	15.6	13.6	12.8	11.5	10.8	5.9	19.5	12.6												
Sep 5	10.5	9.9	9.2	5.8	7.3	7	8.3	10.3	12.4	15	17.8	20.4	22.8	24.2	25.5	26.2	26.5	26	24.1	21.5	20.3	19.9	17.8	16.3	5.8	26.5	16.9												
Sep 6	15	14.7	15.3	15.4	15	14.1	13.8	14.7	15.4	16.1	18	20.7	21.6	22.9	24.1	24.8	25.2	23.9	20.9	17.8	16.6	15.6	14.5	14.6	13.8	25.2	17.9												
Sep 7	14.2	13.7	13.8	14.2	13.4	13.3	13	13.5	14.3	16	17.7	19.9	22.4	23.1	24.9	26.4	26	25.5	24.6	19.6	16.3	15.4	16.8	17.4	13.0	26.4	18.1												
Sep 8	16.3	15.9	15.4	14.4	13.6	11.1	11.6	14.6	17.3	20.1	22.2	24.2	26.3	26.8	27.6	27.6	26.2	24.5	22.2	20.3	18.7	17.3	15.8	14.6	11.1	27.6	19.4												
Sep 9	13.8	13.3	12.9	12.2	11.5	10.8	10.3	10.2	10.9	12.3	14.1	13.4	12.2	12.6	10	11.2	12.2	12.8	12.8	10.5	8.8	8	6.9	5.6	5.6	14.1	11.2												
Sep 10	5.6	5.5	5.2	4.8	4.3	4.2	4.5	5.4	7.3	9.8	12.4	14.4	16.3	16.8	16.9	17.2	16.8	16.3	15.3	12.1	9.3	8.3	8.1	9	4.2	17.2	10.2												
Sep 11	8.3	6.6	5.7	6.3	5.9	6.4	7.5	8.9	11.5	14.1	16.7	18.2	18.8	19.3	19.3	19.4	18.8	17.8	16.7	15.5	14.6	12.5	12.3	12.5	5.7	19.4	13.1												
Sep 12	12.2	12.2	12.2	12.1	11.9	11.9	11.5	10.8	11.1	11.2	11.3	12.2	12.2	12.8	14.8	16.7	16.9	17	16.5	11.5	9	7.8	9.2	9.4	7.8	17.0	12.3												
Sep 13	8.5	7.9	8.1	6.1	6.8	7.4	6.3	7.6	10.1	11.8	14.2	16.1	17.8	18.7	18.6	17.6	17	16.7	14.9	12.8	12.5	12.6	11.2	10	6.1	18.7	12.1												
Sep 14	9.7	8.7	7.9	6.4	5.3	5.7	5.9	6.7	8	11.2	13.2	14.6	15.2	15.4	16.1	16.5	16.3	15.9	15.3	13.3	10.6	9.1	9.4	9.6	5.3	16.5	11.1												
Sep 15	9.3	8.9	8	6.1	5.5	4.9	5	6.2	7.8	9.7	12	15.3	16.8	16.7	17	17.9	18.1	18	16.3	13.3	13	10.3	9.7	9.8	4.9	18.1	11.5												
Sep 16	9	9.2	8.5	7.6	6.8	6.2	5.6	7.5	10.4	13.6	14.9	15.7	15.8	16.3	16.7	16.7	17.6	17.4	15.9	12.6	10.8	11.4	10.1	9.4	5.6	17.6	11.9												
Sep 17	9.2	9.2	10.8	11.5	11.6	11.5	11.9	13	15.5	16.3	18.6	20.6	21.1	22.1	22.2	22	21.3	19.5	18.3	17.4	16	14.2	13.5	9.2	22.2	15.8													
Sep 18	12.8	12.3	12.5	11.7	9.7	8.3	8	9.6	10	11.3	11.8	12.6	13.9	15.1	15.6	16	16.6	16.2	14.4	11.3	9.7	8.9	7.8	8	7.8	16.6	11.8												
Sep 19	7.8	7.1	7.7	7	5.5	5.4	4.8	5.4	8.6	10.7	12.3	13.6	14.5	15.7	15.5	15.4	14.7	14.6	12.2	9.1	8.2	8.6	7.6	7.4	4.8	15.7	10.0												
Sep 20	7.1	5.9	5.8	5.5	4.3	3.7	3.1	3.6	5.1	7.1	9.7	11.4	11.3	11	12.5	10.4	9.3	9.2	8.9	8.6	7.4	5.9	5.3	5.2	3.1	12.5	7.4												
Sep 21	4.2	3.4	2.4	2.4	3	2.9	2.9	4	6.1	7.6	10.1	12	12.9	13.7	13.2	13.9	15.6	15.3	13.9	12.4	11.6	11.1	10.7	11	2.4	15.6	9.0												
Sep 22	10.9	10.7	10.4	9.9	9.8	9.6	9.8	9.9	11	11.9	13.4	14.6	15.2	15.6	14.8	13.1	13	12.8	11.9	11.1	9.9	8.3	7.6	7.6	7.6	15.6	11.4												
Sep 23	7.4	7.3	7.5	7.3	7.3	7.2	7.8	8.7	10	10.9	12	13.1	14.6	15.9	15.8	16.6	17.1	16.7	15.3	14.8	15	15.6	16.1	16.2	7.2	17.1	12.3												
Sep 24	15.4	14.6	14.5	15	15.1	15.6	15	15.6	16.4	17.6	18	18.5	18.7	19.2	20.3	21.1	20.4	20.8	16.8	13.7	11.4	13.1	14.7	15.5	11.4	21.1	16.5												
Sep 25	16.2	15.2	14.9	14.7	15.6	15.7	13.6	12.6	12.6	12.1	12.6	12.7	13.6	14.1	14.3	15.6	16.1	15.3	14	11.4	11.2	10.7	10.3	9.5	9.5	16.2	13.5												
Sep 26	9.1	8.5	8.4	7.4	6.3	4.8	4.4	5.1	7.7	9.7	11.1	11.9	13	13.7	14.3	14.3	14.2	12.3	9.6	8.5	8.2	8	9.4	9.2	4.4	14.3	9.5												
Sep 27	8.2	8.1	7.4	6.4	6.3	6	5.7	5.9	6.3	7.2	8.8	10.4	11.2	12.2	12.9	13.2	13.2	11.2	10.5	9.9	9.2	8.6	8.2	7.7	5.7	13.2	8.9												
Sep 28	7.1	6.1	5.1	3.8	4.2	3.5	3.1	2.7	5.2	6.7	9.2	10.1	11.3	11.7	12.6	13	12.8	11.4	9.8	7.9	7.6	7	6.8	7	2.7	13.0	7.7												
Sep 29	8.5	7.9	7.3	6.5	6.2	5.7	5.4	5.4	5.5	5.4	5.9	6.2	6.8	7.9	9	8.4	8.8	7.1	5.3	4	3.9	3.5	2.8	2.3	2.3	9.0	6.1												
Sep 30	3.1	3.2	3.2	2.2	1.9	1	0	0.3	2.3	4.3	6.8	8.2	9.5	10.2	10.8	11.1	10.3	8.8	6.3	6	6.1	5.9	5.1	5	0.0	11.1	5.5												
Diurnal Maximum	16.7	16.3	15.4	15.4	15.6	15.7	15.0	15.6	17.9	20.2	23.1	25.8	27.5	28.3	28.7	29.2	29.4	28.8	27.4	22.3	20.3	19.9	17.8	17.4															
Diurnal Average	10.3	9.8	9.6	8.9	8.6	8.2	8.0	8.8	10.4	12.1	13.9	15.4	16.5	17.1	17.5	17.7	17.6	16.9	15.5	13.2	11.9	11.1	10.6	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.																																							



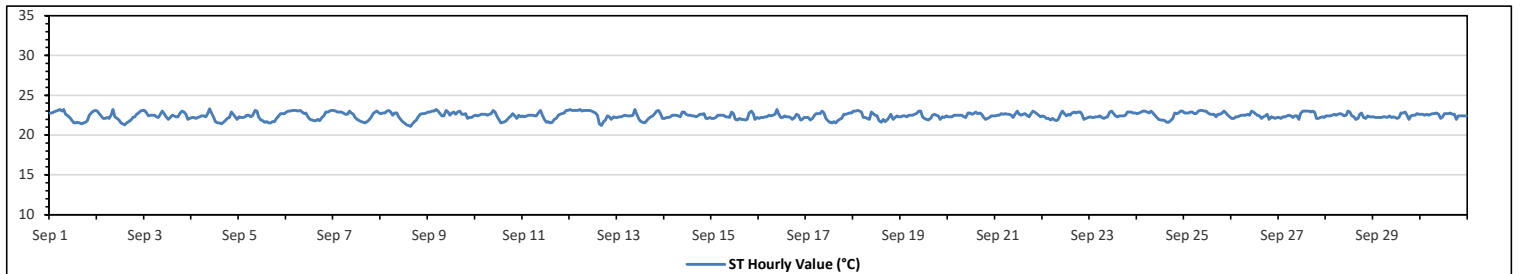
Peace River Area Monitoring Program

Reno-B Station - September 2024

Summary of Hourly Averages

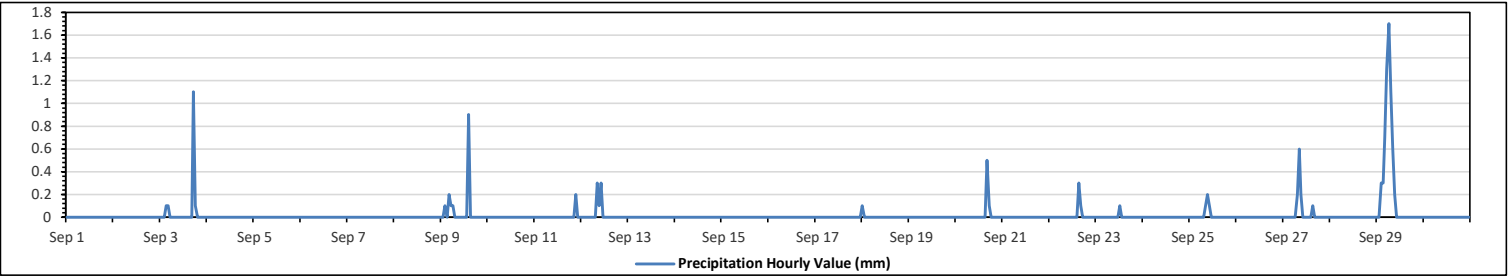
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	23.3	°C	on Sep 4 at hr 9	Hours in Service:	720																											
Maximum Daily Value:	22.8	°C	on Sep 25	Hours of Data:	720																											
Minimum Hourly Value:	21.1	°C	on Sep 8 at hr 15	Hours of Missing Data:	0																											
Minimum Daily Value:	22.2	°C	on Sep 4	Hours of Calibration:	0																											
Monthly Average:	22.4	°C		Operational Uptime:	100.0																											
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average					
Sep 1	22.8	22.8	22.9	23.0	23.1	23.2	23.0	23.2	22.6	22.4	22.2	21.9	21.5	21.5	21.6	21.5	21.4	21.5	21.6	21.8	22.5	22.8	23.0	23.1	21.4	23.2	22.4					
Sep 2	23.0	22.7	22.4	22.1	22.1	22.2	22.1	22.5	23.2	22.3	22.1	21.9	21.5	21.4	21.3	21.5	21.7	21.9	22.2	22.3	22.6	22.8	23.0	23.1	21.3	23.2	22.2					
Sep 3	23.1	22.8	22.4	22.5	22.5	22.5	22.3	22.2	22.6	23.0	22.7	22.3	22.0	22.2	22.5	22.4	22.3	22.3	22.8	23.0	22.9	22.6	22.0	22.1	22.0	23.1	22.5					
Sep 4	22.2	22.2	22.1	22.2	22.3	22.4	22.4	22.3	22.7	23.3	22.8	22.3	21.7	21.5	21.5	21.4	21.6	21.8	22.1	22.2	22.9	22.6	22.3	22.0	21.4	23.3	22.2					
Sep 5	22.3	22.2	22.2	22.3	22.5	22.5	22.3	22.5	23.1	23.0	22.3	21.9	21.8	21.6	21.7	21.5	21.5	21.7	21.7	22.1	22.4	22.7	22.7	22.7	21.5	23.1	22.2					
Sep 6	22.9	23.0	23.0	23.1	23.1	23.1	23.0	23.1	22.9	22.7	22.8	22.3	22.0	21.9	21.8	21.8	22.0	21.8	22.2	22.4	22.9	22.9	23.0	23.1	21.8	23.1	22.6					
Sep 7	23.1	23.0	22.9	22.9	22.9	22.8	22.6	22.6	23.0	22.8	22.6	22.2	22.0	21.8	21.7	21.6	21.5	21.7	21.9	22.2	22.7	22.9	23.0	22.8	21.5	23.1	22.5					
Sep 8	22.7	22.8	22.8	23.0	23.1	22.9	22.5	22.8	22.8	22.3	22.0	21.7	21.5	21.3	21.2	21.1	21.4	21.7	21.9	22.3	22.6	22.7	22.7	22.8	21.1	23.1	22.3					
Sep 9	22.9	22.9	23.0	23.0	23.2	23.0	22.7	22.4	22.4	23.1	22.9	22.5	22.8	22.9	22.6	22.9	23.0	22.6	22.6	22.7	22.1	22.2	22.2	22.4	22.1	23.2	22.7					
Sep 10	22.5	22.4	22.5	22.6	22.6	22.6	22.5	22.6	22.7	23.1	22.9	22.3	21.9	21.5	21.6	21.7	21.9	22.2	22.4	22.7	22.4	22.1	22.5	22.3	21.5	23.1	22.4					
Sep 11	22.4	22.3	22.4	22.5	22.5	22.5	22.4	22.4	22.8	23.1	22.5	22.0	21.6	21.7	21.5	21.6	22.0	22.1	22.5	22.6	22.7	22.8	23.1	23.1	21.5	23.1	22.4					
Sep 12	23.2	23.1	23.1	23.1	23.1	23.2	23.0	23.1	23.1	23.1	23.1	23.0	22.9	22.8	22.5	21.4	21.2	21.7	21.9	22.4	22.3	22.0	22.3	22.2	21.2	23.2	22.6					
Sep 13	22.2	22.3	22.3	22.4	22.5	22.4	22.4	22.4	22.5	23.2	22.6	22.0	21.7	21.6	21.5	21.8	22.1	22.3	22.4	22.7	23.0	23.1	22.7	22.1	21.5	23.2	22.3					
Sep 14	22.1	22.2	22.2	22.3	22.5	22.5	22.5	22.4	22.3	22.9	22.9	22.6	22.5	22.5	22.4	22.4	22.3	22.4	22.6	22.6	22.7	22.1	22.1	22.2	22.1	22.9	22.4					
Sep 15	22.1	22.1	22.2	22.5	22.5	22.5	22.5	22.3	22.3	22.2	22.9	22.7	22.0	21.9	22.1	22.0	22.0	21.9	22.0	22.8	23.0	22.7	22.0	22.2	21.9	23.0	22.3					
Sep 16	22.1	22.2	22.2	22.3	22.3	22.5	22.4	22.5	22.6	23.2	22.7	22.2	22.2	22.4	22.3	22.3	22.2	22.0	22.2	22.6	22.5	21.9	22.0	22.2	21.9	23.2	22.3					
Sep 17	22.2	22.2	21.9	22.1	22.4	22.7	22.7	22.7	23.0	22.8	22.1	21.8	21.6	21.5	21.7	21.5	21.8	22.0	22.1	22.6	22.6	22.7	22.8	22.8	21.5	23.0	22.3					
Sep 18	23.0	23.0	23.1	23.0	22.9	22.2	22.2	22.1	22.0	22.9	22.7	22.5	22.4	21.8	21.6	22.0	21.7	21.9	22.2	22.6	22.0	22.2	22.4	22.3	21.6	23.1	22.4					
Sep 19	22.3	22.4	22.4	22.3	22.5	22.5	22.5	22.6	22.7	23.0	23.0	22.3	22.1	22.0	21.9	22.1	22.5	22.6	22.5	22.4	22.0	22.3	22.2	22.4	21.9	23.0	22.4					
Sep 20	22.3	22.3	22.3	22.5	22.5	22.5	22.5	22.5	22.3	22.2	22.8	22.8	22.6	22.7	22.9	22.7	22.8	22.6	22.2	22.0	22.1	22.2	22.4	22.4	22.0	22.9	22.5					
Sep 21	22.4	22.5	22.5	22.7	22.6	22.7	22.6	22.6	22.5	22.2	22.6	23.0	22.6	22.5	22.6	22.7	22.5	22.3	22.7	23.0	22.9	22.7	22.5	22.3	22.2	23.0	22.6					
Sep 22	22.4	22.3	22.1	22.1	21.9	22.1	21.9	21.8	22.0	22.6	23.0	22.7	22.4	22.6	22.5	22.8	22.9	22.8	22.9	22.9	22.9	22.9	22.8	22.1	22.2	21.8	23.0	22.4				
Sep 23	22.3	22.2	22.2	22.3	22.3	22.4	22.2	22.1	22.2	22.3	22.9	23.0	22.7	22.4	22.3	22.4	22.4	22.4	22.5	22.9	22.9	22.9	22.8	22.8	22.1	23.0	22.5					
Sep 24	22.7	22.8	22.9	23.0	23.0	22.9	22.8	23.0	22.8	22.5	22.2	22.0	21.9	21.9	21.8	21.6	21.6	21.8	22.1	22.8	22.7	22.8	23.0	23.0	21.6	23.0	22.5					
Sep 25	22.8	22.8	22.8	22.9	22.9	22.9	22.7	22.7	23.0	23.1	23.1	23.0	22.8	22.6	22.6	22.6	22.3	22.6	22.6	22.8	23.0	22.8	22.5	22.3	22.3	23.1	22.8					
Sep 26	22.1	22.1	22.3	22.3	22.4	22.5	22.5	22.5	22.6	22.5	23.0	22.9	22.7	22.5	22.4	22.1	22.3	22.4	22.6	22.0	22.3	22.2	22.1	22.2	22.0	23.0	22.4					
Sep 27	22.2	22.1	22.3	22.3	22.4	22.5	22.4	22.2	22.4	22.4	22.0	22.7	23.0	23.0	23.0	23.0	22.9	23.0	22.9	22.1	22.1	22.2	22.3	22.2	22.0	23.0	22.5					
Sep 28	22.4	22.4	22.4	22.5	22.6	22.5	22.6	22.7	22.6	22.4	22.5	23.0	22.9	22.4	22.3	22.0	22.1	22.6	22.8	22.2	22.1	22.4	22.3	22.3	22.0	23.0	22.5					
Sep 29	22.3	22.2	22.2	22.2	22.2	22.3	22.3	22.2	22.4	22.2	22.3	22.2	22.1	22.2	22.8	22.8	22.9	22.5	22.0	22.4	22.5	22.5	22.7	22.6	22.0	22.9	22.4					
Sep 30	22.6	22.6	22.5	22.6	22.5	22.6	22.7	22.7	22.8	22.6	22.1	22.3	22.7	22.7	22.7	22.8	22.6	22.6	22.0	22.4	22.4	22.4	22.4	22.4	22.0	22.8	22.5					
Diurnal Maximum	23.2	23.1	23.1	23.1	23.2	23.2	23.0	23.2	23.2	23.3	23.1	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.9	23.0	23.0	23.1	23.1	23.1								
Diurnal Average	22.5	22.5	22.5	22.6	22.6	22.6	22.6	22.5	22.6	22.7	22.6	22.4	22.2	22.1	22.1	22.1	22.1	22.2	22.3	22.5	22.5	22.5	22.5	22.5								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 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 - September 2024
Summary of Hourly Averages
PRECIPITATION in mm

Maximum Hourly Value:	1.7	mm	on Sep 29 at hr 6	Hours in Service:	720																								
Maximum Daily Value:	6.2	mm	on Sep 29	Hours of Data:	720																								
Minimum Hourly Value:	0.0	mm	on Sep 1 at hr 0	Hours of Missing Data:	0																								
Minimum Daily Value:	0.0	mm	on Sep 1	Hours of Calibration:	0																								
Monthly Total:	12.6	mm		Operational Uptime:	100.0																								
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Total			
Sep 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		
Sep 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		
Sep 3	0	0	0	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	1.1	0.1	0	0	0	0	0	0.0	1.1	1.4		
Sep 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0		
Sep 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		
Sep 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		
Sep 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		
Sep 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0		
Sep 9	0	0	0.1	0	0.2	0.1	0.1	0	0	0	0	0	0	0	0.9	0	0	0	0	0	0	0	0	0	0	0.0	0.9	1.4	
Sep 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		
Sep 11	0	0	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	0.2	0.2		
Sep 12	0	0	0	0	0	0	0	0	0.3	0.1	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3	0.7		
Sep 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		
Sep 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		
Sep 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		
Sep 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0		
Sep 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0		
Sep 18	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	0.1	0.1		
Sep 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0		
Sep 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.1	0	0	0	0	0	0	0.0	0.5	0.6		
Sep 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		
Sep 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.1	0	0	0	0	0	0	0	0.0	0.3	0.4		
Sep 23	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.1		
Sep 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		
Sep 25	0	0	0	0	0	0	0	0	0.1	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	0.4		
Sep 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		
Sep 27	0	0	0	0	0	0	0	0.2	0.6	0.2	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0.0	0.6	1.1		
Sep 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		
Sep 29	0	0	0.3	0.3	0.7	1.3	1.7	1.1	0.6	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	1.7	6.2		
Sep 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		
Diurnal Maximum	0.1	0.0	0.3	0.3	0.7	1.3	1.7	1.1	0.6	0.2	0.3	0.0	0.1	0.0	0.9	0.3	0.5	1.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0				
Diurnal Average	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	0.0	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.																													



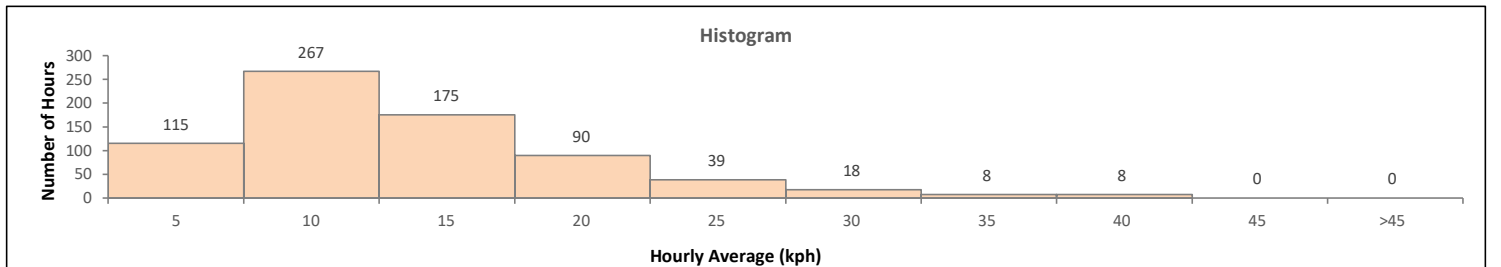
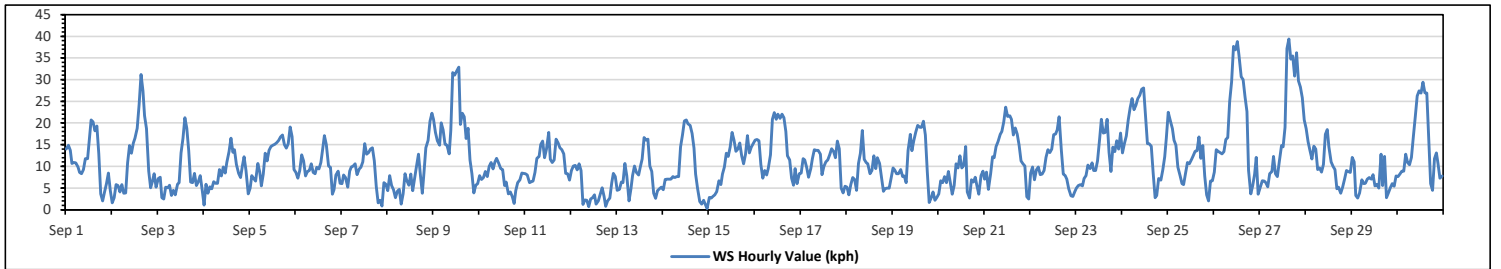
Peace River Area Monitoring Program

Reno-B Station - September 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	39.4	kph	on Sep 27 at hr 15	Hours in Service:	720																																														
Maximum Daily Value:	19.3	kph	on Sep 26	Hours of Data:	720																																														
Minimum Hourly Value:	0.3	kph	on Sep 14 at hr 23	Hours of Missing Data:	0																																														
Minimum Daily Value:	4.8	kph	on Sep 12	Hours of Calibration:	0																																														
Monthly Average:	5.9	kph		Operational Uptime:	100.0																																														
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average																								
Sep 1	14.0	14.9	13.7	10.7	10.9	10.8	9.9	8.6	8.3	9.3	11.8	11.8	15.8	20.7	20.3	18.2	19.3	12.9	3.7	2.1	4.1	6.0	8.5	4.4	2.1	20.7	11.3																								
Sep 2	1.6	2.8	5.8	5.6	4.1	5.8	3.8	3.9	10.8	14.8	13.0	15.4	16.5	18.8	24.3	31.2	27.4	21.7	18.7	8.9	5.1	6.4	8.3	5.2	1.6	31.2	11.7																								
Sep 3	7.2	7.5	2.8	2.5	5.2	5.1	5.7	3.3	4.5	3.5	5.9	6.2	13.1	16.4	21.2	18.8	13.6	6.4	6.2	8.4	5.6	6.5	7.9	4.6	2.5	21.2	7.8																								
Sep 4	1.1	5.9	3.8	5.3	4.9	6.5	6.1	6.1	9.3	7.8	9.9	8.5	10.9	13.4	16.5	13.3	13.9	10.5	8.4	7.4	10.2	12.2	9.0	3.7	1.1	16.5	8.5																								
Sep 5	5.0	7.9	7.2	6.6	10.7	8.7	5.5	8.2	13.0	11.3	13.7	14.6	14.9	15.1	15.5	16.0	16.8	17.2	15.0	14.2	15.2	19.1	16.9	9.3	5.0	19.1	12.4																								
Sep 6	8.6	7.3	9.1	12.7	11.3	7.8	8.8	9.0	10.6	8.6	8.3	9.8	9.4	10.9	14.2	17.1	15.0	10.1	9.8	3.6	4.6	8.0	8.9	6.1	3.6	17.1	9.6																								
Sep 7	6.0	8.0	7.4	5.2	8.9	9.9	10.1	10.6	8.1	9.4	9.8	11.1	15.3	12.8	13.2	14.0	14.3	11.3	5.4	1.6	2.2	0.9	6.2	5.9	0.9	15.3	8.7																								
Sep 8	4.4	7.9	5.6	4.6	2.8	4.3	4.7	1.3	3.7	8.3	6.8	5.7	8.2	4.4	7.3	9.7	12.8	8.0	3.8	8.4	14.3	16.0	20.4	22.2	1.3	22.2	8.2																								
Sep 9	20.8	17.8	15.9	14.9	20.0	18.4	15.1	14.9	12.9	18.3	31.6	31.0	31.9	32.9	19.7	22.2	21.4	16.4	18.8	11.5	8.3	3.9	5.7	6.0	3.9	32.9	17.9																								
Sep 10	7.9	7.0	7.4	8.8	7.6	10.0	10.9	9.4	11.1	11.9	10.7	9.5	9.3	5.6	6.4	3.7	4.1	3.1	1.5	4.4	6.2	6.9	8.5	8.4	1.5	11.9	7.5																								
Sep 11	8.3	8.0	6.2	6.5	6.6	8.6	11.9	12.3	15.0	15.8	12.0	14.0	17.8	11.6	10.9	11.5	16.3	15.5	14.3	13.8	12.9	8.4	8.3	6.8	6.2	17.8	11.4																								
Sep 12	9.0	10.1	10.2	9.2	10.6	9.1	1.2	2.3	2.2	0.7	2.5	2.8	3.4	1.3	2.1	3.6	5.1	3.1	0.8	2.0	2.7	6.2	8.4	7.7	0.7	10.6	4.8																								
Sep 13	4.5	4.7	6.4	6.3	10.7	7.8	2.0	4.8	7.9	10.1	8.6	8.0	9.8	11.7	16.6	16.1	16.3	10.1	8.8	3.8	2.6	4.4	4.9	5.2	2.0	16.6	8.0																								
Sep 14	4.6	7.0	7.1	7.1	7.1	7.6	7.4	7.6	7.6	14.5	17.2	20.5	20.7	19.8	19.4	17.6	14.2	8.2	5.0	1.9	1.3	2.2	1.3	0.3	0.3	20.7	9.5																								
Sep 15	2.9	2.7	3.1	3.4	4.2	6.7	5.8	8.2	9.9	13.0	12.3	14.4	17.8	16.1	13.5	14.0	15.4	12.4	10.6	12.8	17.1	13.1	14.4	15.2	2.7	17.8	10.8																								
Sep 16	16.1	16.2	15.9	10.4	7.3	9.0	8.0	9.5	12.7	20.8	22.4	20.9	22.0	21.1	22.0	21.2	18.0	12.5	11.5	7.3	5.7	9.5	6.0	8.3	5.7	22.4	13.9																								
Sep 17	8.5	11.8	11.5	9.8	7.5	9.5	11.8	13.9	13.7	13.7	12.8	8.1	10.0	11.0	11.5	12.7	14.1	13.5	12.0	15.8	14.1	5.0	3.9	5.4	3.9	15.8	10.9																								
Sep 18	5.2	3.5	5.8	7.4	7.0	4.5	10.7	13.0	18.3	11.6	10.9	10.6	8.3	9.0	12.5	9.5	12.0	10.7	7.4	4.3	4.8	5.0	5.0	7.3	3.5	18.3	8.5																								
Sep 19	9.6	9.2	8.3	8.3	9.3	7.6	7.8	6.3	13.7	17.4	13.6	16.0	17.9	19.5	19.0	19.0	20.4	17.2	8.8	1.7	2.7	4.1	2.2	2.9	1.7	20.4	10.9																								
Sep 20	3.7	6.7	6.3	7.7	6.3	8.8	6.3	3.6	5.6	10.6	9.7	12.4	9.7	10.2	14.6	4.1	2.7	6.9	6.4	7.5	5.6	3.6	7.9	8.9	2.7	14.6	7.3																								
Sep 21	7.1	8.7	4.7	8.3	12.2	12.0	14.6	15.7	17.4	18.1	20.3	23.7	21.5	21.7	20.9	17.2	18.9	17.5	14.9	11.3	10.6	10.1	3.0	2.5	2.5	23.7	13.9																								
Sep 22	8.5	9.9	6.9	9.2	9.9	8.1	8.2	9.0	12.1	13.8	13.2	14.0	17.3	17.5	18.4	21.4	13.7	8.2	7.9	7.1	4.8	3.2	3.1	4.2	3.1	21.4	10.4																								
Sep 23	5.0	5.6	5.8	5.5	7.2	7.9	10.3	9.5	10.8	9.1	9.1	11.3	16.7	20.8	17.7	17.8	20.9	13.3	8.8	14.4	13.4	15.9	14.0	17.7	5.0	20.9	12.0																								
Sep 24	13.1	15.3	17.0	20.7	23.5	25.7	23.1	24.1	25.7	26.4	27.8	28.1	21.7	15.3	15.3	14.7	8.4	2.8	3.3	7.2	6.8	9.2	12.2	16.5	2.8	28.1	16.8																								
Sep 25	22.5	20.4	18.7	16.1	14.9	9.9	7.9	6.0	5.8	8.4	10.9	10.6	11.6	12.4	13.5	13.6	16.8	11.9	14.8	7.8	3.4	2.1	6.6	6.7	2.1	22.5	11.4																								
Sep 26	8.7	13.8	13.5	13.2	12.9	13.4	16.2	16.6	25.0	29.5	37.7	36.9	38.8	35.7	30.7	30.0	26.0	22.6	9.0	3.7	5.6	8.2	12.1	3.6	3.6	38.8	19.3																								
Sep 27	5.3	6.7	6.6	6.3	5.3	8.3	8.8	12.3	8.3	7.6	11.0	14.8	14.5	19.0	37.2	39.4	34.7	35.5	30.8	36.2	29.7	28.3	25.8	20.7	5.3	39.4	18.9																								
Sep 28	18.7	15.7	13.6	11.7	14.7	14.0	9.3	9.7	8.7	10.5	17.4	18.5	14.5	11.1	10.0	9.3	4.8	5.2	3.8	5.2	7.1	9.0	8.8	8.6	3.8	18.7	10.8																								
Sep 29	12.1	11.0	3.3	2.7	3.9	6.9	6.0	6.1	7.1	7.4	7.1	8.1	5.5	5.9	5.0	12.8	5.6	12.3	2.8	3.9	5.1	6.0	5.4	7.8	2.7	12.8	6.7																								
Sep 30	7.6	8.2	8.9	8.9	12.8	10.9	10.4	12.1	16.9	21.4	26.2	27.4	26.9	29.4	27.0	26.9	18.2	6.0	4.5	11.8	13.1	10.7	7.3	7.8	4.5	29.4	15.1																								
Diurnal Maximum	22.5	20.4	18.7	20.7	23.5	25.7	23.1	24.1	25.7	29.5	37.7	36.9	38.8	35.7	37.2	39.4	34.7	35.5	30.8	36.2	29.7	28.3	25.8	22.2																											
Diurnal Average	8.6	9.4	8.6	8.5	9.3	9.5	8.9	9.3	11.2	12.8	14.1	14.8	15.7	15.7	16.6	16.6	15.4	12.1	9.3	8.3	8.2	8.3	8.7	8.0																											
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance																												
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance										P	Power Failure																	
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)																																							
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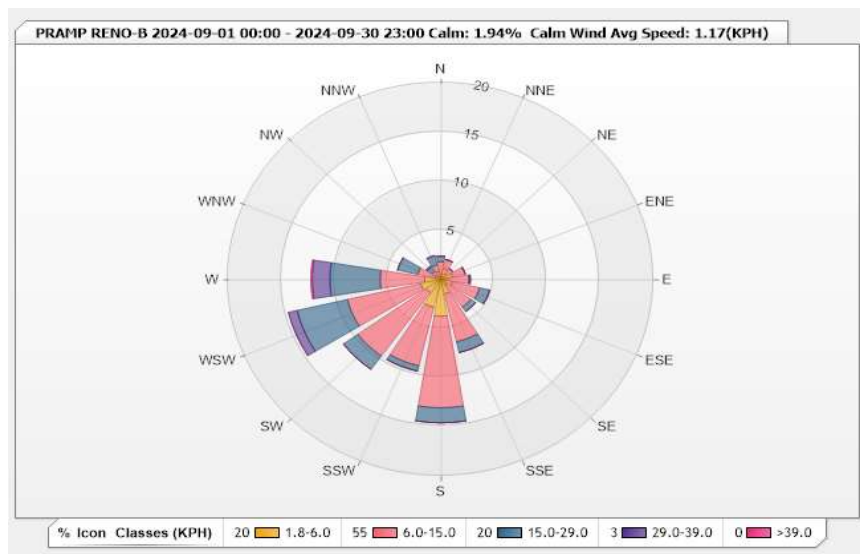


Station: PRAMP RENO-B Monitor: WDS [KPH] Monthly: 09-2024

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

Calm (WS<1.8kph): 1.94% 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	0.28	1.53	0.56	0	0	2.37
NNE	1.11	0.97	0	0	0	2.08
NE	0.69	0.69	0	0	0	1.38
ENE	1.11	1.25	0	0	0	2.36
E	0.28	2.36	0.14	0	0	2.78
ESE	1.11	2.64	0.97	0	0	4.72
SE	0.69	2.78	0.56	0	0	4.03
SSE	1.53	5	1.11	0	0	7.64
S	3.75	9.31	1.53	0	0	14.59
SSW	2.92	6.11	0.56	0	0	9.59
SW	1.67	7.92	1.67	0	0	11.26
WSW	1.94	7.08	4.86	0.83	0	14.71
W	1.53	4.17	4.72	1.67	0.14	12.23
WNW	0.56	1.67	1.94	0	0	4.17
NW	0.42	0.56	0.56	0.14	0	1.68
NNW	0.83	0.69	0.97	0	0	2.49
Summary	20.42	54.73	20.15	2.64	0.14	98.08



Peace River Area Monitoring Program

Reno-B Station - September 2024

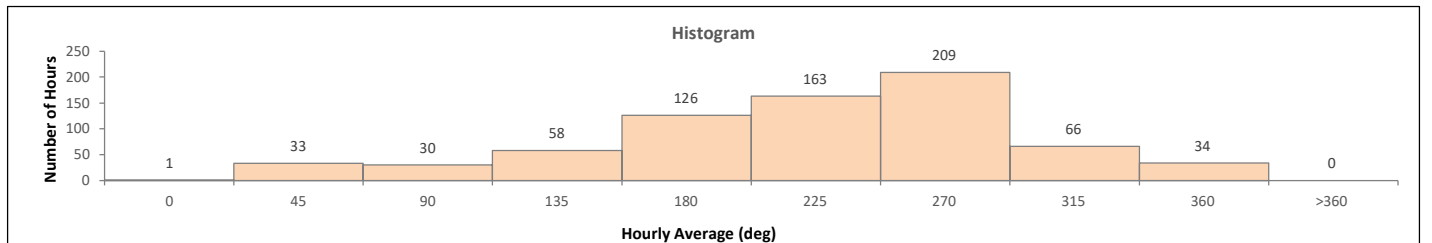
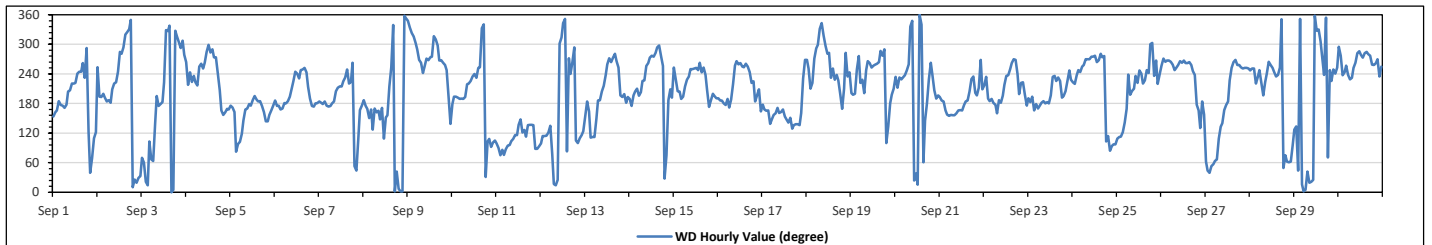
Summary of Hourly Averages

WIND DIRECTION (VWD) in sector

Monthly Average:		230 (SW) degree													Hours in Service:		720										
															Hours of Data:		720										
															Hours of Missing Data:		0										
															Hours of Calibration:		0										
															Operational Uptime:		100.0										
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Average		
																									Degree	Quadrant	
Sep 1	SSE	SSE	SSE	S	S	S	S	S	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	W	SW	WNW	ESE	NE	ENE	ESE	ESE	205	SSW	
Sep 2	WSW	SSW	S	SSW	S	S	S	S	SSW	SSW	SW	SW	WSW	WNW	W	WNW	NW	NW	NNW	N	NNE	NNE	NNE	NNE	295	WNW	
Sep 3	ENE	ENE	NNE	NNE	ESE	ENE	ENE	SE	SSW	S	S	S	SW	NNW	NW	NNW	N	NNW	NW	WNW	WNW	NW	W	335	NNW		
Sep 4	W	SW	WSW	SW	SW	SW	SW	WSW	W	WSW	W	WNW	WNW	WNW	WNW	W	W	WSW	SSW	SSE	SSE	SSE	SSE	SSE	244	WSW	
Sep 5	S	S	SSE	E	E	E	ESE	SE	SSE	SSE	S	S	S	SSW	S	S	S	SSE	SE	SE	SSE	SSE	S	165	SSE		
Sep 6	S	S	S	SSE	SSE	S	S	S	SSW	SSW	SW	WSW	WSW	SW	WSW	WSW	WSW	SSW	S	S	S	S	S	208	SSW		
Sep 7	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SW	WSW	SW	SW	W	NE	NE	ESE	SSE	S	204	SSW	
Sep 8	S	S	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SE	S	ESE	SSE	SSE	SSW	WSW	NNW	N	NE	N	N	N	N	17	NNE	
Sep 9	NNW	NNW	NW	NW	WNW	WNW	W	W	WSW	WSW	W	W	W	NW	NW	WNW	W	W	W	WSW	WSW	SSW	SE	284	WNW		
Sep 10	S	SSW	SSW	S	S	S	S	S	SW	SW	SW	SW	WSW	SW	WSW	WSW	NNW	NNW	NNE	ESE	ESE	E	E	ESE	197	SSW	
Sep 11	E	E	ENE	E	ENE	E	E	E	ESE	ESE	ESE	SE	SE	ESE	SE	ESE	SE	SE	SE	SE	E	E	E	E	114	ESE	
Sep 12	E	ESE	ESE	ESE	ESE	SE	ENE	NNE	NNE	NNE	WNW	NW	NNW	N	E	W	WSW	W	WNW	ESE	E	ESE	ESE	ESE	112	ESE	
Sep 13	SSE	S	SSE	ESE	ESE	ESE	SSE	S	S	SSW	SW	SW	WSW	W	W	W	W	WSW	SSW	S	SSW	S	S	225	SW		
Sep 14	S	S	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	W	W	W	W	W	WNW	WNW	W	WSW	NNE	ENE	S	SSW	S	257	WSW	
Sep 15	WSW	SW	SSW	SSW	S	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	SW	SSW	S	S	SSW	SSW	S	226	SW	
Sep 16	S	S	S	S	S	S	S	S	SW	WSW	W	WSW	W	WSW	WSW	W	WSW	WSW	SW	SW	S	SSW	SSW	SSE	229	SW	
Sep 17	S	SSE	SSE	SSE	SE	SSE	SSE	SSE	S	SSE	SSE	SSE	SE	SE	SE	SSE	SE	SE	SE	SE	SE	SE	SE	SW	W	155	SSE
Sep 18	W	WSW	SSW	SW	W	WNW	WNW	NNW	NNW	NW	WNW	W	W	SW	WSW	SW	SW	SSW	SSE	SSW	W	SW	WSW	W	267	W	
Sep 19	SSW	SSW	SSW	WSW	W	SW	SW	SSW	WSW	W	W	WSW	WSW	WSW	W	W	WNW	W	WNW	E	SE	S	SSW	SSW	252	WSW	
Sep 20	SW	SSW	SW	SW	SW	SW	WSW	WSW	NNW	NNW	NNE	NE	NNE	N	NNW	ENE	SE	S	SW	W	SW	SSW	S	SSW	275	W	
Sep 21	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSW	SW	SW	SSW	SSW	SSW	W	SSW	180	S	
Sep 22	SW	SW	S	S	S	S	S	SSE	S	S	SSW	SW	SW	SW	WSW	W	W	W	WSW	SSW	SW	SW	SSW	S	219	SW	
Sep 23	S	S	SSW	SSE	S	SSE	S	S	S	S	S	S	S	SSW	SW	SW	SW	SW	S	SSW	SSW	SW	WSW	SW	208	SSW	
Sep 24	SW	SW	SW	WSW	WSW	WSW	WSW	W	W	W	W	W	W	W	W	W	W	W	ESE	ESE	E	E	E	E	258	WSW	
Sep 25	ESE	ESE	ESE	ESE	SE	SSE	WSW	SSW	SSW	SSW	SSW	SSW	SSW	WSW	WSW	WSW	WSW	WNW	WNW	SW	W	SW	WSW	W	201	SSW	
Sep 26	WSW	W	W	W	W	W	WSW	WSW	WSW	WSW	W	W	W	W	W	W	WSW	WSW	SW	S	SSE	SE	S	SSE	256	WSW	
Sep 27	ENE	NE	NE	NE	ENE	ENE	ENE	ESE	SE	SE	SSE	S	S	SW	WSW	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	246	WSW	
Sep 28	WSW	WSW	WSW	SW	SW	WSW	SW	SSW	SW	WSW	W	WSW	WSW	WSW	SW	SW	WSW	N	NE	ENE	ENE	ENE	ENE	E	243	WSW	
Sep 29	SE	SE	NE	N	NNE	N	N	NE	NNE	NNE	NNE	N	NNW	NNW	NW	W	SW	N	ENE	WSW	SW	WSW	WSW	WSW	340	NNW	
Sep 30	WNW	W	SW	WSW	WSW	SW	SW	SW	WSW	W	W	WNW	W	W	W	WNW	W	W	WSW	WSW	W	W	SW	WSW	268	W	
C	Monthly Calibration								S	Daily Zero-Span Check								Q	Quality Assurance								
K	Collection Error								ND	No Data (Machine Not in Service)								Y	Routine Maintenance								
X	Invalid Data (Machine Malfunction /Recovery)								NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)								P	Power Failure								
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																											
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Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 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 - September 2024

Summary of Hourly Averages

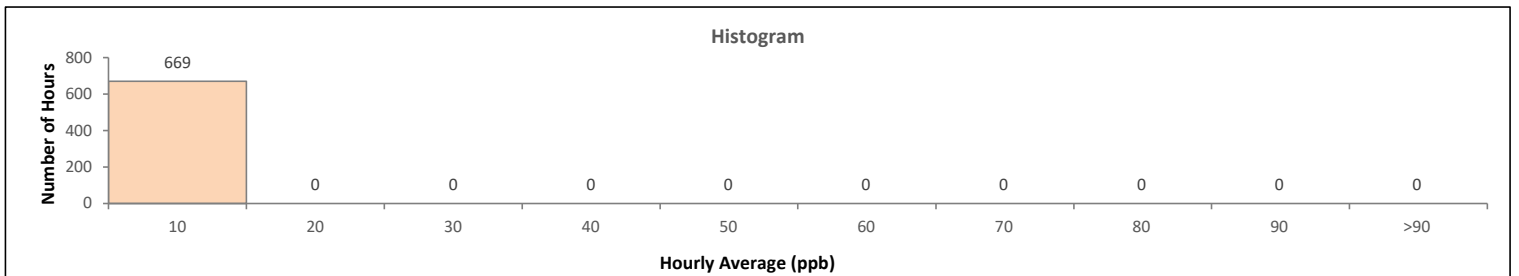
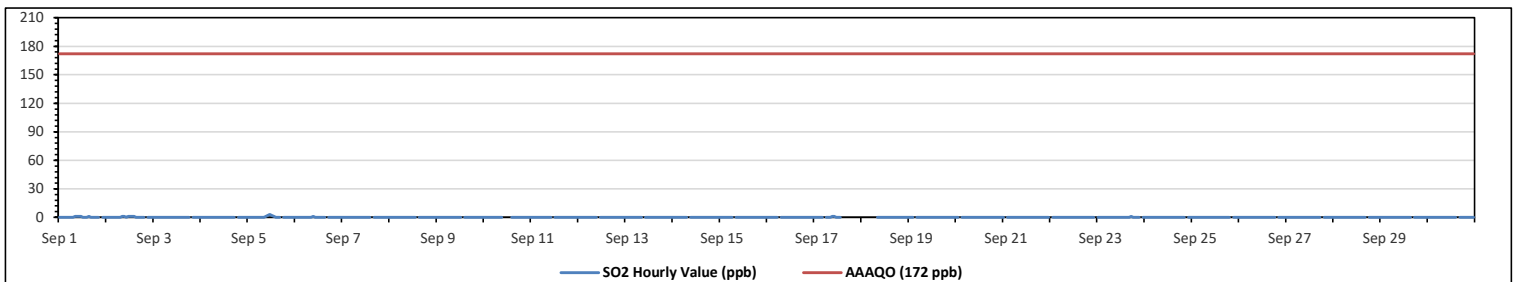
VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED																												
Maximum Hourly Value:			39.4	kph	on Sep 27 at hr 15										Hours in Service:			720										
Maximum Daily Value:			19.3	kph	on Sep 26										Hours of Data:			720										
Minimum Hourly Value:			0.3	kph	on Sep 14 at hr 23										Hours of Missing Data:			0										
Minimum Daily Value:			4.8	kph	on Sep 12										Hours of Calibration:			0										
Monthly Average:			5.9	kph											Operational Uptime:			100.0										
WIND DIRECTION																												
Monthly Average:			230 degree (SW)																									
Day	0	1	2	3	4	5	6	7	8	9	Hourly Period Starting at (MST)													Daily Minimum	Daily Maximum	Daily Average		
Sep 1	14.0	14.9	13.7	10.7	10.9	10.8	9.9	8.6	8.3	9.3	11.8	11.8	15.8	20.7	20.3	18.2	19.3	12.9	3.7	2.1	4.1	6.0	8.5	4.4	2.1	20.7	11.3	
Sep 2	SSE	SSE	SSE	S	S	S	S	S	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	W	SW	WNW	ESE	NE	ENE	ESE	ESE			205(SSW)	
	1.6	2.8	5.8	5.6	4.1	5.8	3.8	3.9	10.8	14.8	13.0	15.4	16.5	18.8	24.3	31.2	27.4	21.7	18.7	8.9	5.1	6.4	8.3	5.2	1.6	31.2	11.7	
Sep 3	WSW	SSW	S	SSW	S	S	S	S	SSW	SW	SW	WSW	WNW	W	WNW	NW	NW	NNW	N	N	NNE	NNE	NNE	NNE			295(WNW)	
	7.2	7.5	2.8	2.5	5.2	5.1	5.7	3.3	4.5	3.5	5.9	6.2	13.1	16.4	21.2	18.8	13.6	6.4	6.2	8.4	5.6	6.5	7.9	4.6	2.5	21.2	7.8	
Sep 4	ENE	ENE	NNE	NNE	ESE	ENE	ENE	SE	SSW	S	S	S	SW	NNW	NW	NNW	N	N	NNW	NW	WNW	WNW	NW	W			335(NNW)	
	1.1	5.9	3.8	5.3	4.9	6.5	6.1	6.1	9.3	7.8	9.9	8.5	10.9	13.4	16.5	13.3	13.9	10.5	8.4	7.4	10.2	12.2	9.0	3.7	1.1	16.5	8.5	
Sep 5	W	SW	WSW	SW	SW	SW	WSW	W	WSW	W	WNW	WNW	WNW	WNW	W	W	WSW	SSW	SSE	SSE	SSE	SSE	SSE	SSE			244(WSW)	
	5.0	7.9	7.2	6.6	10.7	8.7	5.5	8.2	13.0	11.3	13.7	14.6	14.9	15.1	15.5	16.0	16.8	17.2	15.0	14.2	15.2	19.1	16.9	9.3	5.0	19.1	12.4	
Sep 6	S	S	SSE	E	E	ESE	SE	SSE	SSE	S	S	S	SSW	S	S	S	S	SSE	SE	SSE	SE	SSE	SSE	S			165(SSE)	
	8.6	7.3	9.1	12.7	11.3	7.8	8.8	9.0	10.6	8.6	8.3	9.8	9.4	10.9	14.2	17.1	15.0	10.1	9.8	3.6	4.6	8.0	8.9	6.1	3.6	17.1	9.6	
Sep 7	S	S	S	SSE	SSE	S	S	S	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SSW	SSW	S	S	S	S	S			208(SSW)	
	6.0	8.0	7.4	5.2	8.9	9.9	10.1	10.6	8.1	9.4	9.8	11.1	15.3	12.8	13.2	14.0	14.3	11.3	5.4	1.6	2.2	0.9	6.2	5.9	0.9	15.3	8.7	
Sep 8	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	WSW	SW	SW	W	NE	NE	ESE	SSE	S			204(SSW)	
	4.4	7.9	5.6	4.6	2.8	4.3	4.7	1.3	3.7	8.3	6.8	5.7	8.2	4.4	7.3	9.7	12.8	8.0	3.8	8.4	14.3	16.0	20.4	22.2	1.3	22.2	8.2	
Sep 9	S	S	SSE	SSE	SSE	SE	SSE	SSE	SE	S	ESE	SSE	SSE	SSE	SSW	WSW	NNW	N	NE	N	N	N	N	N			17(NNE)	
	20.8	17.8	15.9	14.9	20.0	18.4	15.1	14.9	12.9	18.3	31.6	31.0	31.9	32.9	19.7	22.2	21.4	16.4	18.8	11.5	8.3	3.9	5.7	6.0	3.9	32.9	17.9	
Sep 10	NNW	NNW	NW	NW	WNW	WNW	W	W	WSW	WSW	W	W	W	W	NW	NW	WNW	W	W	W	WSW	WSW	SSW	SE			284(WNW)	
	7.9	7.0	7.4	8.8	7.6	10.0	10.9	9.4	11.1	11.9	10.7	9.5	9.3	5.6	6.4	3.7	4.1	3.1	1.5	4.4	6.2	6.9	8.5	8.4	1.5	11.9	7.5	
Sep 11	S	SSW	SSW	S	S	S	S	S	SW	SW	SW	SW	WSW	SW	WSW	WSW	NNW	NNW	NNE	ESE	ESE	E	E	ESE			197(SSW)	
	8.3	8.0	6.2	6.5	6.6	8.6	11.9	12.3	15.0	15.8	12.0	14.0	17.8	11.6	10.9	11.5	16.3	15.5	14.3	13.8	12.9	8.4	8.3	6.8	6.2	17.8	11.4	
Sep 12	E	E	ENE	E	ENE	E	E	ESE	ESE	ESE	ESE	ESE	SE	SE	ESE	SE	ESE	SE	SE	SE	SE	E	E	E			114(ESE)	
	9.0	10.1	10.2	9.2	10.6	9.1	1.2	2.3	2.2	0.7	2.5	2.8	3.4	1.3	2.1	3.6	5.1	3.1	0.8	2.0	2.7	6.2	8.4	7.7	0.7	10.6	4.8	
Sep 13	E	ESE	ESE	ESE	ESE	SE	ENE	NNE	NNE	NNE	NNW	NW	NNW	N	E	W	WSW	W	NNW	ESE	E	ESE	ESE	ESE			112(ESE)	
	4.5	4.7	6.4	6.3	10.7	7.8	2.0	4.8	7.9	10.1	8.6	8.0	9.8	11.7	16.6	16.1	16.3	10.1	8.8	3.8	2.6	4.4	4.9	5.2	2.0	16.6	8.0	
Sep 14	SSE	S	SSE	ESE	ESE	SSE	S	S	SSW	SW	SW	WSW	W	W	W	W	W	WSW	SSW	S	SSW	S	S	S			225(SW)	
	4.6	7.0	7.1	7.1	7.1	7.6	7.4	7.6	7.6	14.5	17.2	20.5	20.7	19.8	19.4	17.6	14.2	8.2	5.0	1.9	1.3	2.2	1.3	0.3	0.3	20.7	9.5	
Sep 15	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	W	W	W	W	W	NNW	NNW	W	WSW	NNE	ENE	S	SSW	S			257(WSW)
	2.9	2.7	3.1	3.4	4.2	6.7	5.8	8.2	9.9	13.0	12.3	14.4	17.8	16.1	13.5	14.0	15.4	12.4	10.6	12.8	17.1	13.1	14.4	15.2	2.7	17.8	10.8	
Sep 16	WSW	SW	SSW	SSW	S	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	SW	SSW	S	S	SSW	SSW	S			226(SSW)	
	16.1	16.2	15.9	10.4	7.3	9.0	8.0	9.5	12.7	20.8	22.4	20.9	22.0	21.1	22.0	21.2	18.0	12.5	11.5	7.3	5.7	9.5	6.0	8.3	5.7	22.4	13.9	
Sep 17	S	S	S	S	S	S	S	S	SW	WSW	W	WSW	W	WSW	WSW	W	WSW	WSW	SW	SW	S	SSW	SSW	SSE			229(SSW)	
	8.5	11.8	11.5	9.8	7.5	9.5	11.8	13.9	13.7	12.8	8.1	10.0	11.0	11.5	12.7	14.1	13.5	12.0	15.8	14.1	5.0	3.9	5.4	3.9	15.8	10.9	10.9	
Sep 18	S	SSE	SSE	SSE	SE	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SE	SE	SSE	SE	SE	SE	SE	SE	SE	SW	W			155(SSE)	
	5.2	3.5	5.8	7.4	7.0	4.5	10.7	13.0	18.3	11.6	10.9	10.6	8.3	9.0	12.5	9.5	12.0	10.7	7.4	4.3	4.8	5.0	5.0	7.3	3.5	18.3	8.5	
Sep 19	W	WSW	SSW	SW	W	WNW	WNW	NNW	NNW	NW	WNW	W	W	SW	WSW	SW	SW	SSW	SSE	SSW	W	SW	WSW				267(W)	
	9.6	9.2	8.3	8.3	9.3	7.6	7.8	6.3	13.7	17.4	13.6	16.0	17.9	19.5	19.0	19.0	20.4	17.2	8.8	1.7	2.7	4.1	2.2	2.9	1.7	20.4	10.9	
Sep 20	SSW	SSW	SSW	WSW	W	SW	SSW	WSW	W	W	WSW	WSW	WSW	WSW	W	W	NNW	W	NNW	E	SE	S	SSW	SSW			252(WSW)	
	3.7	6.7	6.3	7.7	6.3	8.8	6.3	3.6	5.6	10.6	9.7	12.4	9.7	10.2	14.6	4.1	2.7	6.9	6.4	7.5	5.6	3.6	7.9	8.9	2.7	14.6	7.3	
Sep 21	SW	SSW	SW	SW	SW	WSW	NNW	NNW	NNE	NE	NNW	ENE	SE	N	NNW	ENE	SE	S	W	W	SW	SSW	S	SSW			275(W)	
	7.1	8.7	4.7	8.3	12.2	12.0	14.6	15.7	17.4	18.1	20.3	23.7	21.5	21.7	20.9	17.2	18.9	17.5	14.9	11.3	10.6	10.1	3.0	2.5	2.5	23.7	13.9	
Sep 22	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW			180(S)	
	8.5	9.9	6.9	9.2	9.9	8.1	8.2	9.0	12.1	13.8	13.2	14.0	17.3	17.5	18.4	21.4	13.7	8.2	7.9	7.1	4.8	3.2	3.1	4.2	3.1	21.4	10.4	
Sep 23	SW	SW	S	S	S	S	S	SSE	S	S	SSW	SW	SW	WSW	W	W	W	WSW	SSW	SSW	SSW	SSW	SSW	S			219(SSW)	
	5.0	5.6	5.8	5.5	7.2	7.9	10.3	9.5	10.8	9.1	9.1	11.3	16.7	20.8	17.7	17.8	20.9	13.3	8.8	14.4	13.4	15.9	14.0	17.7	5.0	20.9	12.0	
Sep 24	S	S	SSW	SSE	S	SSE	S	S	S	S	S	S	S	SSW	SW	SW	SW	SW	S	SSW	SSW	SW	WSW	SW			208(SSW)	
	13.1	15.3	17.0	20.7	23.5	25.7	23.1	24.1	25.7	26.4	27.8	28.1	21.7	15.3	15.3	14.7	8.4	2.8	3.3	7.2	6.8	9.2	12.2	16.5	2.8	28.1	16.8	
Sep 25	SW	SW	SW	WSW	WSW	WSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	ESE	E	E	E	E			258(WSW)	
	22.5	20.4	18.7	16.1	14.9	9.9	7.9	6.0	5.8	8.4	10.9	10.6	11.6	12.4	13.5	13.6	16.8	11.9	14.8	7.8	3.4	2.1	6.6	6.7	2.1	22.5	11.4	
Sep 26	ESE	ESE	ESE	ESE	SE	SSE	WSW	SSW	SSW	SSW	SW	WSW	WSW	SW	SW	WSW	SSW	NNW	SSW	W	W	SSW	SSW	SSW			201(SSW)	
	8.7	13.8	13.5	13.2	12.9	13.4	16.2	16.6	25.0	29.5	37.7	36.9	38.8	35.7	30.7	30.0	26.0	22.6	9.0	3.7	5.6	8.2	12.1	3.6	3.6	38.8	19.3	
Sep 27	WSW	W	W	W	W	W	WSW	WSW	WSW	WSW	W	W	W	W	W	W	WSW	WSW	S	SSE	SE	S	SSE				256(WSW)	
	5.3	6.7	6.6	6.3	5.3	8.3	8.8	12.3	8.3	7.6	11.0	14.8	14.5	19.0	37.2	39.4	34.7	35.5	30.8	36.2	29.7	28.3	25.8	20.7	5.3	39.4	18.9	
Sep 28	ENE	NE	NE	NE	ENE	ENE	ENE	ESE	SE	SE	SSE	S	S	SW	WSW	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW			246(WSW)	
	18.7	15.7	13.6	11.7	14.7	14.0	9.3	9.7	8.7	10.5	17.4	18.5	14.5	11.1	10.0	9.3	4.8	5.2	3.8	5.2	7.1	9.0	8.8	8.6	3.8	18.7	10.8	
Sep 29	WSW	WSW	WSW	SW	SW	WSW	SSW	SSW	SSW	SSW	W	WSW	WSW	WSW	SW	SW	WSW	N	NE	ENE	ENE	ENE	ENE	E			243(WSW)	
	12.1	11.0	3.3	2.7	3.9	6.9	6.0	6.1	7.1	7.4	7.1	8.1	5.5	5.9	5.0	12.8	5.6	12.3	2.8	3.9	5.1	6.0	5.4	7.8	2.7	12.8	6.7	
Sep 30	SE	SE	NE	N	NNE	N	N	NE	NNE	NNE																		

PRC STATION

Peace River Area Monitoring Program
Peace River Complex (PRC) Station - September 2024
Summary of Hourly Averages
SULPHUR DIOXIDE (SO₂) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb																													
Number of 1-Hour Exceedances:					0					Number of 24-Hour Exceedances:					0					30-Day Exceedence:					0				
Maximum Hourly Value:					3 ppb on Sep 5 at hr 11					Hours in Service:					720														
Maximum Daily Value:					0.4 ppb on Sep 5					Hours of Data:					669														
Minimum Hourly Value:					0 ppb on Sep 1 at hr 0					Hours of Missing Data:					17														
Minimum Daily Value:					0.0 ppb on Sep 3					Hours of Calibration:					34														
Monthly Average:					0.0 ppb					Operational Uptime:					97.6														
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average			
Sep 1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	0.2		
Sep 2	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	0	0	0	0	S	0	0	0	0	0	1	0.3	
Sep 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0	
Sep 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	S	0	0	0	0	0	0	0	0	0.0	
Sep 5	0	0	0	0	0	0	0	0	0	1	2	3	2	1	0	0	0	S	S	0	0	0	0	0	0	3	0.4		
Sep 6	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	1	0.0		
Sep 7	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		
Sep 8	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		
Sep 9	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		
Sep 10	0	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		
Sep 11	0	0	0	0	0	0	0	0	0	0	0	S	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0		
Sep 12	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0		
Sep 13	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0		
Sep 14	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		
Sep 15	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		
Sep 16	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		
Sep 17	0	0	0	0	0	S	0	0	0	1	1	0	0	0	P	P	P	P	P	P	P	P	P	P	0	1	NA		
Sep 18	P	P	P	P	P	P	P	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA		
Sep 19	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		
Sep 20	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		
Sep 21	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		
Sep 22	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		
Sep 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	S	0	1	0.0			
Sep 24	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			
Sep 25	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			
Sep 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	S	0	0	0	0	0	0	0.0			
Sep 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	S	0	0	0	0	0	0	0	0.0			
Sep 28	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			
Sep 29	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			
Sep 30	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		
Diurnal Maximum	0	0	0	0	0	0	0	0	1	1	2	3	2	1	1	1	0	1	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	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
C	Monthly Calibration							S	Daily Zero-Span Check							Q	Quality Assurance												
K	Collection Error							ND	No Data (Machine Not in Service)							Y	Routine Maintenance							P	Power Failure				
X	Invalid Data (Equipment Malfunction /Recovery)							NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)																				
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																													
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																													

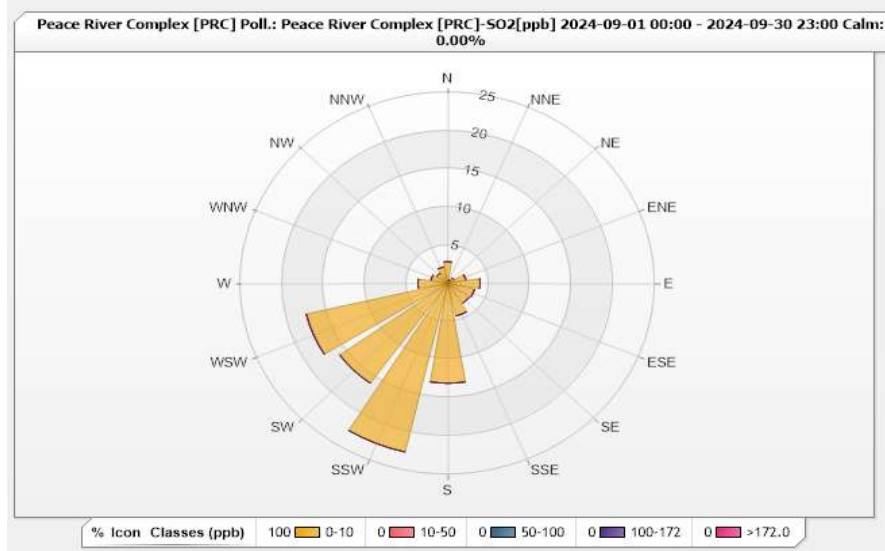


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-SO2[ppb] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 92.64% Calm Avg: 0.00 [ppb]

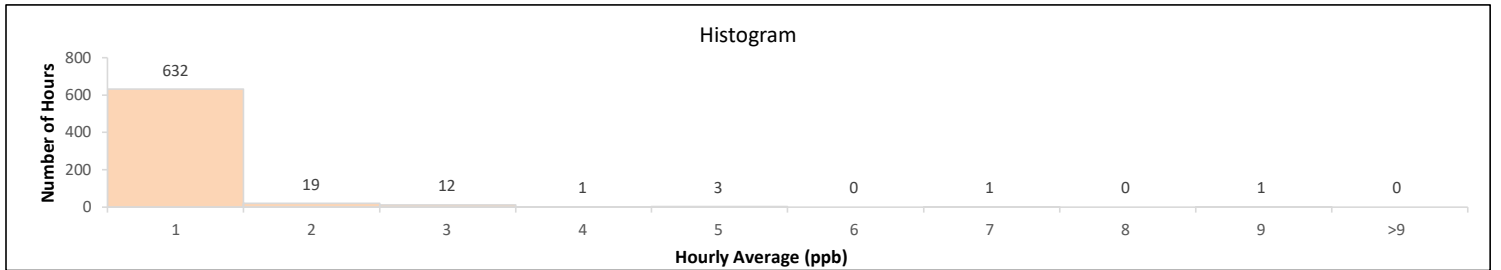
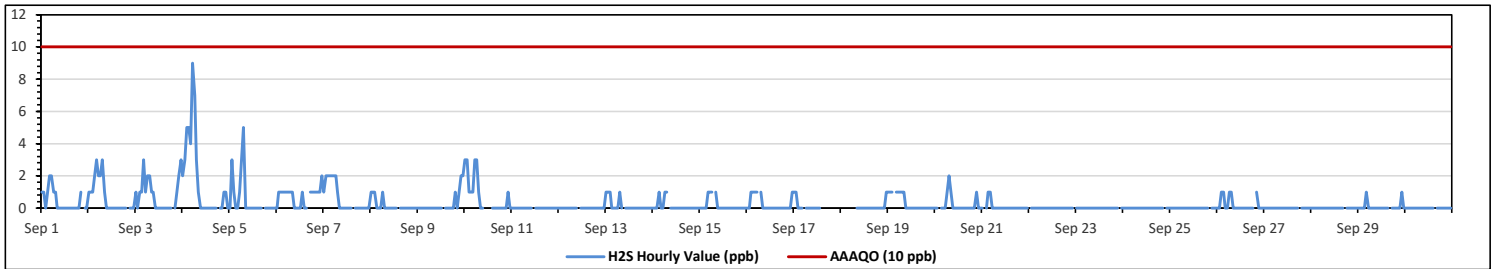
Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	2.85	0	0	0	0	2.85
NNE	0.45	0	0	0	0	0.45
NE	0.9	0	0	0	0	0.9
ENE	2.25	0	0	0	0	2.25
E	3.9	0	0	0	0	3.9
ESE	3.3	0	0	0	0	3.3
SE	3.15	0	0	0	0	3.15
SSE	4.35	0	0	0	0	4.35
S	13.04	0	0	0	0	13.04
SSW	22.64	0	0	0	0	22.64
SW	16.04	0	0	0	0	16.04
WSW	17.54	0	0	0	0	17.54
W	3.6	0	0	0	0	3.6
WNW	2.1	0	0	0	0	2.1
NW	1.65	0	0	0	0	1.65
NNW	2.25	0	0	0	0	2.25
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program
Peace River Complex (PRC) Station - September 2024
Summary of Hourly Averages
HYDROGEN SULPHIDE (H₂S) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 10 ppb, 24-Hour 3 ppb																												
Number of 1-Hour Exceedances:													Number of 24-Hour Exceedances:															
Maximum Hourly Value:													Hours in Service:															
Maximum Daily Value:													Hours of Data:															
Minimum Hourly Value:													Hours of Missing Data:															
Minimum Daily Value:													Hours of Calibration:															
Monthly Average:													Operational Uptime:															
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average		
Sep 1	1	1	0	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	S	0	0	0	0	0	2	0.0
Sep 2	1	1	1	2	3	2	2	3	1	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	3	1.0
Sep 3	1	0	1	1	3	1	2	2	1	1	0	0	0	0	0	0	0	0	0	S	0	1	2	3	0	3	1.0	
Sep 4	2	3	5	5	4	9	7	3	1	0	0	0	0	0	0	0	0	0	S	0	0	1	1	0	0	9	2.0	
Sep 5	0	3	1	0	0	1	3	5	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	5	1.0	
Sep 6	0	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	S	1	1	1	1	1	1	2	0	2	1.0	
Sep 7	1	2	2	2	2	2	2	1	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	2	1.0	
Sep 8	1	1	1	0	0	0	1	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0.0	
Sep 9	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0	1	2	2	0	2	0.0	
Sep 10	3	3	1	1	1	3	3	1	0	0	C	C	C	C	0	0	0	0	0	0	0	0	1	0	0	3	1.0	
Sep 11	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	
Sep 12	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Sep 13	1	1	1	0	0	0	0	1	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0	
Sep 14	0	0	0	1	0	0	1	1	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0	
Sep 15	0	0	0	0	1	1	1	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0	
Sep 16	0	0	1	1	1	1	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0.0	
Sep 17	1	1	0	0	0	S	0	0	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	0	1	-	
Sep 18	P	P	P	P	P	P	P	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	-	
Sep 19	1	1	1	S	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0	
Sep 20	0	0	S	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0.0	
Sep 21	0	S	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0	
Sep 22	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	
Sep 23	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	
Sep 24	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	
Sep 25	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	
Sep 26	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	1	0.0	
Sep 27	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	
Sep 28	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	
Sep 29	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0	0	0	1	0.0	
Sep 30	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	
Diurnal Maximum	3	3	5	5	4	9	7	5	1	1	0	0	0	1	0	0	0	1	1	1	1	1	2	3				
Diurnal Average	0.5	0.6	0.6	0.6	0.7	0.9	1.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3				
C	Monthly Calibration											S	Daily Zero-Span Check											Q	Quality Assurance			
K	Collection Error											ND	No Data (Machine Not in Service)											Y	Routine Maintenance			
X	Invalid Data (Equipment Malfunction /Recovery)											NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)											P	Power Failure			
Daily Average is shown "n/a" if minimum data completeness criteria of 75% or 18 hours per day is not met.																												
Monthly Average is shown "n/a" if minimum data completeness criteria of 75% of days per month is not met.																												

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

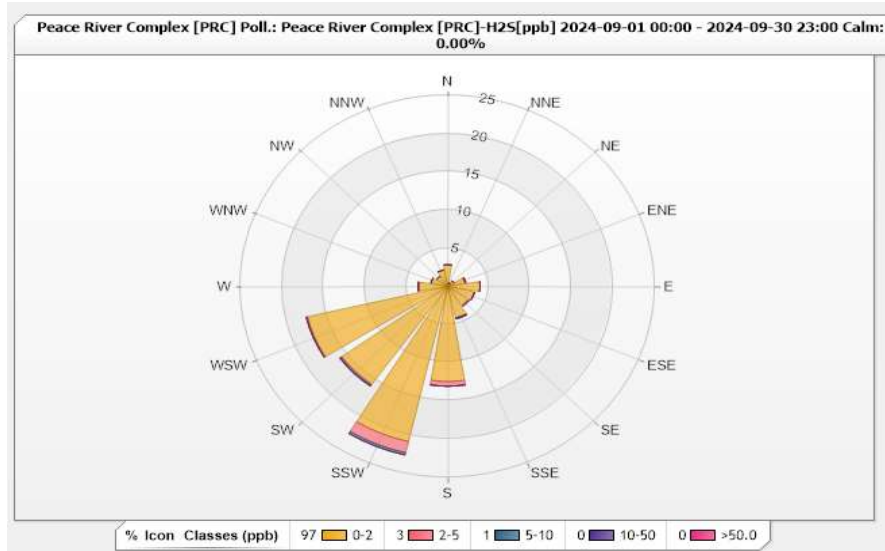


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-H2S[ppb] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 92.64% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	2.85	0	0	0	0	2.85
NNE	0.45	0	0	0	0	0.45
NE	0.9	0	0	0	0	0.9
ENE	2.1	0.15	0	0	0	2.25
E	3.9	0	0	0	0	3.9
ESE	3.3	0	0	0	0	3.3
SE	3	0.15	0	0	0	3.15
SSE	4.2	0	0.15	0	0	4.35
S	12.44	0.6	0	0	0	13.04
SSW	20.84	1.5	0.3	0	0	22.64
SW	15.74	0.15	0.15	0	0	16.04
WSW	17.39	0.15	0	0	0	17.54
W	3.45	0.15	0	0	0	3.6
WNW	2.1	0	0	0	0	2.1
NW	1.65	0	0	0	0	1.65
NNW	2.25	0	0	0	0	2.25
Summary	96.56	2.85	0.6	0	0	100



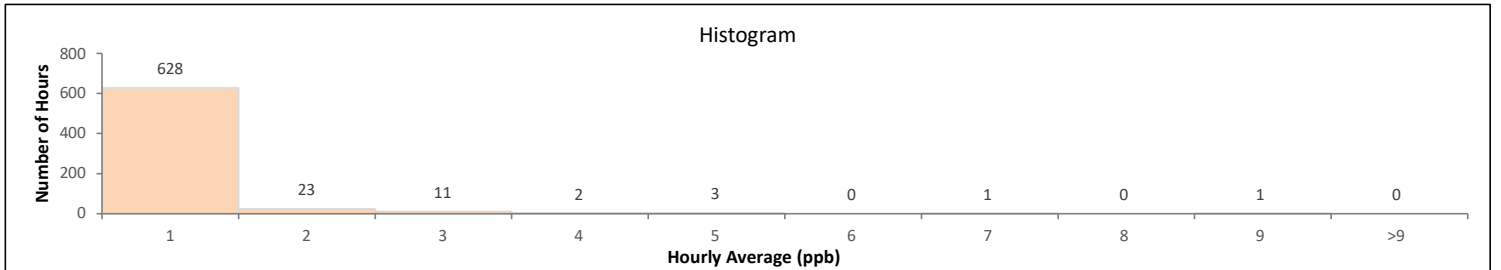
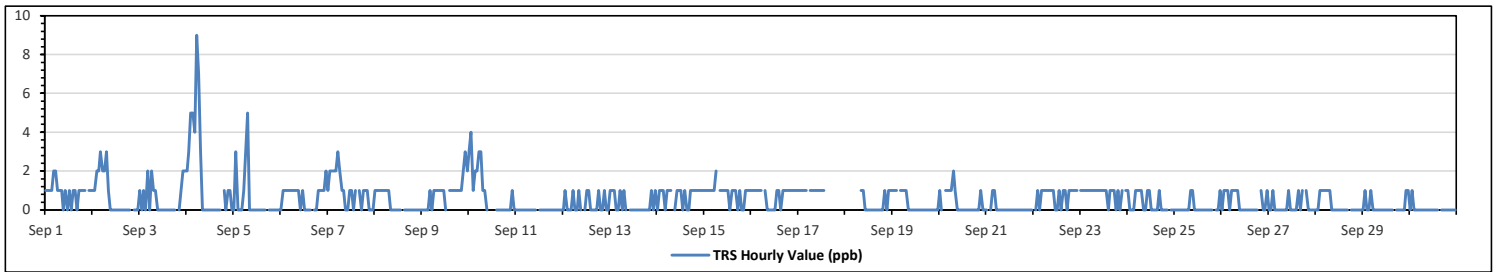
Peace River Area Monitoring Program
Peace River Complex (PRC) Station - September 2024
Summary of Hourly Averages
TOTAL REDUCED SULPHUR (TRS) in ppb

Maximum Hourly Value:	9	ppb	on Sep 4 at hr 5	Hours in Service:	720
Maximum Daily Value:	1.8	ppb	on Sep 4	Hours of Data:	669
Minimum Hourly Value:	0	ppb	on Sep 1 at hr 9	Hours of Missing Data:	17
Minimum Daily Value:	0.00	ppb	on Sep 11	Hours of Calibration:	34
Monthly Average:	0.6	ppb		Operational Uptime:	97.6

Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average
Sep 1	1	1	1	1	2	2	1	1	1	0	1	0	1	0	1	1	0	1	1	1	1	S	1	1	0	2	0.9
Sep 2	1	1	2	2	3	2	2	3	1	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	3	0.7
Sep 3	1	0	1	0	2	0	2	1	1	0	0	0	0	0	0	0	0	0	0	S	0	1	2	2	0	2	0.6
Sep 4	2	3	5	5	4	9	7	3	0	0	0	0	0	0	0	0	0	0	S	1	0	1	1	0	0	9	1.8
Sep 5	0	3	0	0	0	1	3	5	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	5	0.5
Sep 6	0	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	S	0	0	1	1	1	1	2	0	2	0.7
Sep 7	1	2	2	2	2	3	2	1	1	0	0	1	1	0	1	S	1	0	1	1	1	0	0	0	0	3	1.0
Sep 8	1	1	1	1	1	1	1	1	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0.3
Sep 9	0	0	0	0	1	0	1	1	1	1	1	1	0	S	1	1	1	1	1	1	1	2	3	2	0	3	0.9
Sep 10	3	4	1	2	2	3	3	1	1	0	C	C	C	C	0	0	0	0	0	0	0	0	1	0	0	4	1.1
Sep 11	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
Sep 12	0	1	0	0	0	1	0	0	1	0	S	0	1	1	0	0	0	0	1	0	0	1	0	0	0	1	0.3
Sep 13	1	1	1	0	0	1	0	1	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0.3
Sep 14	0	1	1	1	0	1	1	1	S	0	1	1	1	0	1	0	0	1	1	1	1	1	1	1	0	1	0.7
Sep 15	1	1	1	1	1	1	2	S	1	1	1	1	1	0	1	1	1	0	1	0	0	1	1	1	0	2	0.9
Sep 16	1	1	1	1	1	1	S	1	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	0	1	0.7
Sep 17	1	1	1	1	1	S	1	1	1	1	1	1	1	1	P	P	P	P	P	P	P	P	P	P	1	1	NA
Sep 18	P	P	P	P	P	P	P	S	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	NA
Sep 19	1	1	1	S	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.3
Sep 20	1	0	S	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0.4
Sep 21	0	S	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Sep 22	S	0	1	0	1	1	1	1	1	1	0	0	1	0	1	0	1	0	1	1	1	1	1	S	0	1	0.7
Sep 23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	0	1	S	1	0	1	0.9
Sep 24	1	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	1	0	0	0	0	S	0	0	0	1	0.3
Sep 25	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	S	0	0	0	1	0	1	0.1
Sep 26	0	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	S	1	0	0	0	1	0	1	0.4
Sep 27	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	S	1	0	0	0	0	0	1	0.2
Sep 28	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	1	0.3
Sep 29	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	1	0	1	0.2
Sep 30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	1	0.0
Diurnal Maximum	3.0	4.0	5.0	5.0	4.0	9.0	7.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	2.0			
Diurnal Average	0.6	1.0	0.9	0.8	1.0	1.2	1.2	1.1	0.6	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.4	0.3	0.5	0.5	0.6			

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

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

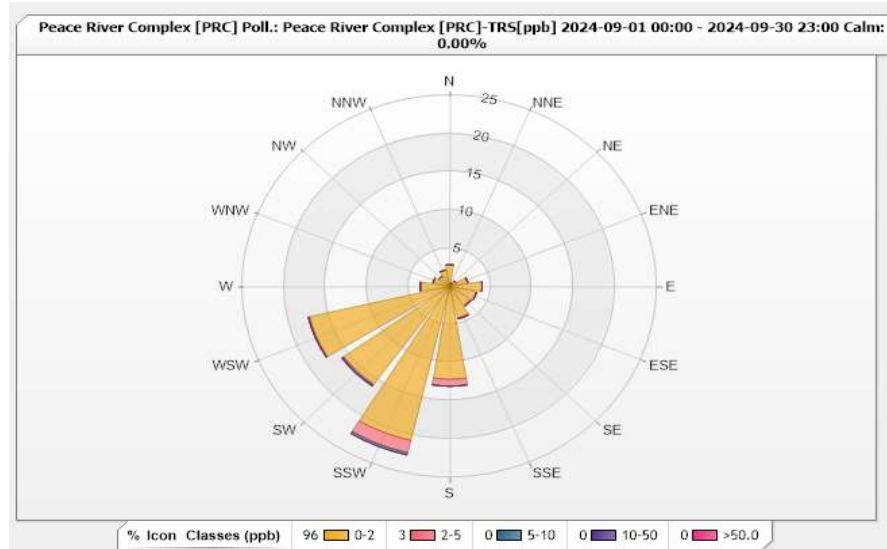


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-TRS[ppb] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 92.64% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	2.85	0	0	0	0	2.85
NNE	0.45	0	0	0	0	0.45
NE	0.9	0	0	0	0	0.9
ENE	2.25	0	0	0	0	2.25
E	3.9	0	0	0	0	3.9
ESE	3.3	0	0	0	0	3.3
SE	3	0.15	0	0	0	3.15
SSE	4.2	0.15	0	0	0	4.35
S	12.14	0.9	0	0	0	13.04
SSW	20.69	1.65	0.3	0	0	22.64
SW	15.74	0.15	0.15	0	0	16.04
WSW	17.39	0.15	0	0	0	17.54
W	3.45	0.15	0	0	0	3.6
WNW	2.1	0	0	0	0	2.1
NW	1.65	0	0	0	0	1.65
NNW	2.25	0	0	0	0	2.25
Summary	96.26	3.3	0.45	0	0	100



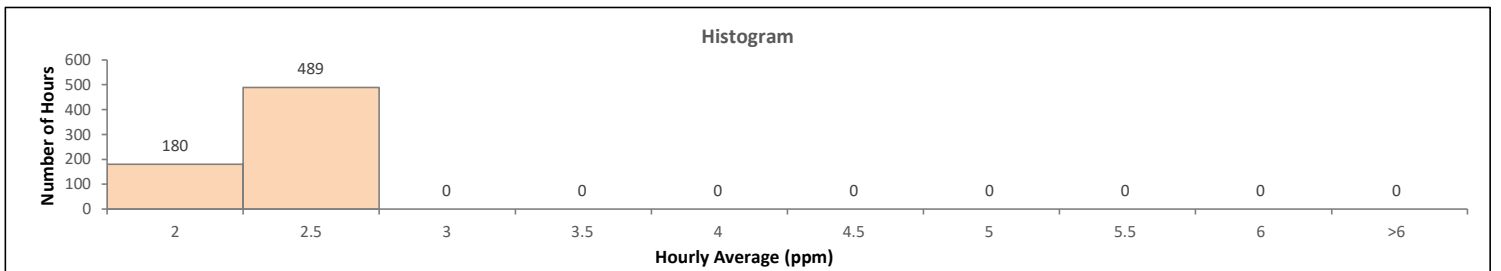
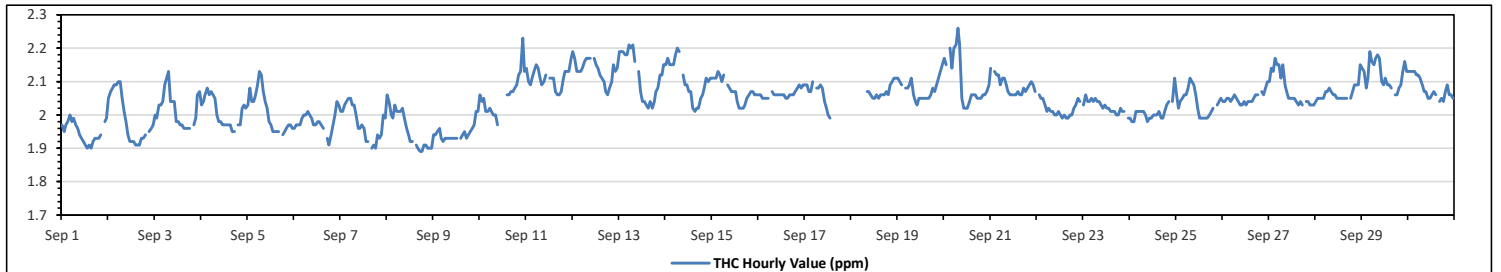
Peace River Area Monitoring Program
Peace River Complex (PRC) Station - September 2024
Summary of Hourly Averages
TOTAL HYDROCARBONS (THC) in ppm

Maximum Hourly Value:	2.26	ppm	on Sep 20 at hr 7	Hours in Service:	720
Maximum Daily Value:	2.13	ppm	on Sep 12	Hours of Data:	669
Minimum Hourly Value:	1.89	ppm	on Sep 8 at hr 17	Hours of Missing Data:	17
Minimum Daily Value:	1.95	ppm	on Sep 9	Hours of Calibration:	34
Monthly Average:	2.04	ppm		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			
Sep 1	1.97	1.95	1.97	1.98	2.00	1.98	1.99	1.97	1.96	1.94	1.93	1.92	1.91	1.90	1.91	1.90	1.92	1.93	1.93	1.93	1.94	S	1.98	1.99	1.90	2.00	1.95
Sep 2	2.05	2.07	2.08	2.09	2.09	2.10	2.10	2.05	2.01	1.98	1.94	1.92	1.92	1.92	1.91	1.91	1.91	1.93	1.93	1.94	S	1.95	1.96	1.97	1.91	2.10	1.99
Sep 3	2.00	1.99	2.03	2.03	2.04	2.09	2.11	2.13	2.04	2.04	2.04	1.98	1.98	1.97	1.97	1.96	1.96	1.96	1.96	S	1.97	1.99	2.06	2.07	1.96	2.13	2.02
Sep 4	2.03	2.04	2.06	2.08	2.06	2.07	2.06	2.05	2.00	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.95	1.95	S	1.97	1.97	2.02	2.03	2.02	1.95	2.08	2.01
Sep 5	2.03	2.08	2.04	2.04	2.06	2.09	2.13	2.12	2.07	2.04	2.02	1.98	1.97	1.95	1.95	1.95	S	1.94	1.95	1.96	1.97	1.97	1.96	1.94	2.13	2.01	
Sep 6	1.96	1.97	1.97	1.97	1.99	2.00	2.00	2.01	2.00	1.99	1.97	1.97	1.98	1.98	1.97	1.96	S	1.93	1.91	1.94	1.97	2.00	2.04	2.03	1.91	2.04	1.98
Sep 7	2.01	2.01	2.03	2.04	2.05	2.05	2.03	2.03	2.00	1.96	1.96	1.97	1.96	1.92	1.92	S	1.90	1.91	1.90	1.94	1.93	1.94	2.00	1.99	1.90	2.05	1.98
Sep 8	2.06	2.04	2.00	1.99	2.03	2.01	2.01	2.01	2.02	1.99	1.96	1.94	1.92	1.92	S	1.91	1.90	1.89	1.89	1.91	1.91	1.90	1.90	1.90	1.89	2.06	1.96
Sep 9	1.94	1.94	1.95	1.96	1.93	1.92	1.93	1.93	1.93	1.93	1.93	1.93	1.93	S	1.93	1.94	1.95	1.93	1.94	1.95	1.96	1.97	2.01	2.01	1.92	2.01	1.95
Sep 10	2.06	2.04	2.05	2.01	2.01	2.02	2.01	2.00	2.00	1.97	C	C	C	C	2.06	2.06	2.07	2.07	2.08	2.09	2.12	2.13	2.23	2.13	1.97	2.23	2.06
Sep 11	2.14	2.10	2.09	2.11	2.13	2.15	2.14	2.11	2.09	2.10	2.12	S	2.11	2.11	2.11	2.07	2.06	2.06	2.07	2.11	2.13	2.13	2.17	2.17	2.06	2.17	2.11
Sep 12	2.19	2.17	2.13	2.13	2.13	2.14	2.16	2.17	2.17	2.17	S	2.17	2.15	2.14	2.12	2.11	2.10	2.07	2.06	2.08	2.10	2.15	2.13	2.14	2.06	2.19	2.13
Sep 13	2.19	2.19	2.19	2.18	2.18	2.21	2.20	2.21	2.16	S	2.13	2.07	2.04	2.04	2.03	2.02	2.04	2.02	2.04	2.07	2.08	2.12	2.12	2.15	2.02	2.21	2.12
Sep 14	2.15	2.17	2.15	2.15	2.15	2.18	2.20	2.19	S	2.12	2.09	2.09	2.07	2.07	2.02	2.01	2.02	2.02	2.05	2.06	2.08	2.11	2.10	2.11	2.01	2.20	2.10
Sep 15	2.11	2.11	2.11	2.13	2.12	2.10	2.12	S	2.09	2.08	2.07	2.07	2.07	2.04	2.02	2.02	2.02	2.03	2.05	2.06	2.07	2.07	2.06	2.06	2.02	2.13	2.07
Sep 16	2.06	2.06	2.05	2.05	2.05	S	2.07	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.06	2.06	2.06	2.07	2.08	2.09	2.08	2.09	2.05	2.09	2.06
Sep 17	2.09	2.09	2.07	2.07	2.10	S	2.08	2.08	2.09	2.08	2.04	2.02	2.00	1.99	P	P	P	P	P	P	P	P	P	P	1.99	2.10	NA
Sep 18	P	P	P	P	P	P	P	P	S	2.07	2.07	2.06	2.05	2.05	2.06	2.05	2.06	2.06	2.07	2.06	2.09	2.10	2.11	2.11	2.05	2.11	NA
Sep 19	2.11	2.10	2.09	S	2.08	2.08	2.09	2.11	2.06	2.04	2.03	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.08	2.07	2.09	2.11	2.13	2.15	2.03	2.15	2.08
Sep 20	2.17	2.15	S	2.20	2.14	2.20	2.21	2.26	2.21	2.05	2.02	2.02	2.02	2.04	2.06	2.06	2.06	2.05	2.05	2.05	2.06	2.06	2.07	2.09	2.02	2.26	2.10
Sep 21	2.14	S	2.13	2.12	2.12	2.09	2.11	2.11	2.09	2.07	2.06	2.06	2.06	2.06	2.07	2.06	2.06	2.08	2.07	2.08	2.09	2.10	2.09	2.07	2.06	2.14	2.09
Sep 22	S	2.06	2.05	2.05	2.03	2.01	2.02	2.01	2.01	2.00	2.00	2.01	2.00	1.99	2.00	1.99	1.99	2.00	2.00	2.02	2.03	2.05	2.04	S	1.99	2.06	2.02
Sep 23	2.03	2.06	2.04	2.04	2.05	2.04	2.05	2.04	2.04	2.03	2.02	2.03	2.02	2.02	2.01	2.01	2.01	2.00	2.00	2.02	2.01	2.01	S	1.99	1.99	2.06	2.02
Sep 24	1.99	1.98	1.98	2.01	2.01	2.01	2.01	2.01	2.00	1.98	1.99	1.99	2.00	2.00	2.00	2.01	1.99	1.99	2.01	2.03	2.04	S	2.04	2.11	1.98	2.11	2.01
Sep 25	2.06	2.02	2.04	2.05	2.06	2.06	2.08	2.11	2.10	2.09	2.06	2.02	1.99	1.99	1.99	1.99	2.00	2.01	2.02	S	2.03	2.04	2.05	1.99	2.11	2.04	2.04
Sep 26	2.04	2.04	2.05	2.05	2.04	2.05	2.06	2.05	2.04	2.03	2.03	2.04	2.03	2.04	2.04	2.04	2.05	2.06	2.06	S	2.07	2.06	2.08	2.10	2.03	2.10	2.05
Sep 27	2.10	2.14	2.13	2.17	2.15	2.15	2.11	2.15	2.09	2.07	2.05	2.05	2.05	2.05	2.04	2.03	2.04	2.03	S	2.04	2.04	2.03	2.03	2.03	2.03	2.17	2.08
Sep 28	2.04	2.05	2.05	2.05	2.05	2.07	2.07	2.08	2.07	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.05	S	2.05	2.07	2.09	2.09	2.09	2.15	2.04	2.15	2.06
Sep 29	2.14	2.13	2.08	2.11	2.19	2.16	2.15	2.17	2.18	2.17	2.10	2.09	2.11	2.09	2.09	2.08	S	2.06	2.06	2.08	2.09	2.13	2.16	2.13	2.06	2.19	2.12
Sep 30	2.13	2.13	2.13	2.13	2.12	2.12	2.11	2.09	2.07	2.07	2.05	2.05	2.06	2.07	2.06	S	2.04	2.05	2.04	2.07	2.09	2.06	2.06	2.05	2.04	2.13	2.08
Diurnal Maximum	2.19	2.19	2.19	2.20	2.19	2.21	2.21	2.26	2.21	2.17	2.13	2.17	2.15	2.14	2.12	2.11	2.10	2.08	2.08	2.11	2.13	2.15	2.23	2.17			
Diurnal Average	2.07	2.07	2.06	2.07	2.07	2.08	2.08	2.06	2.04	2.03	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.03	2.04	2.05	2.06	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
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)	P	Power Failure

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

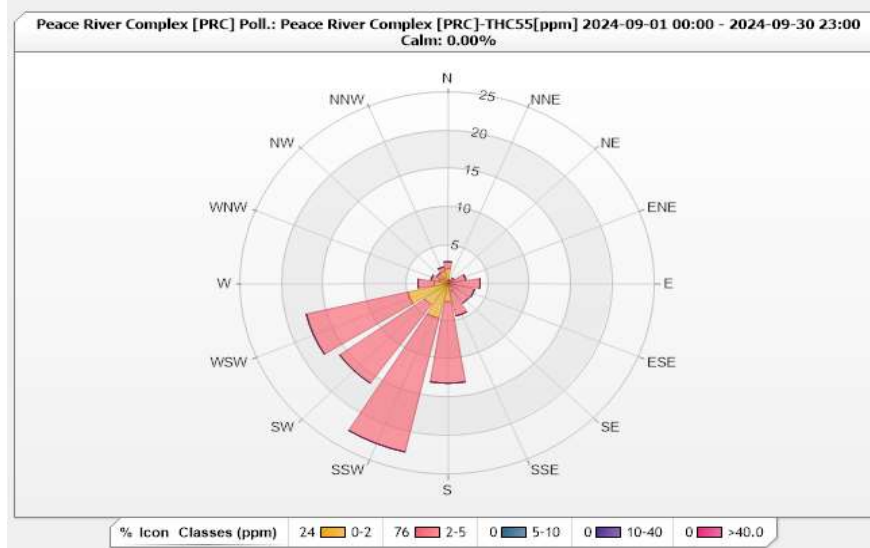


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-THC55[ppm] Monthly: 09-2024

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

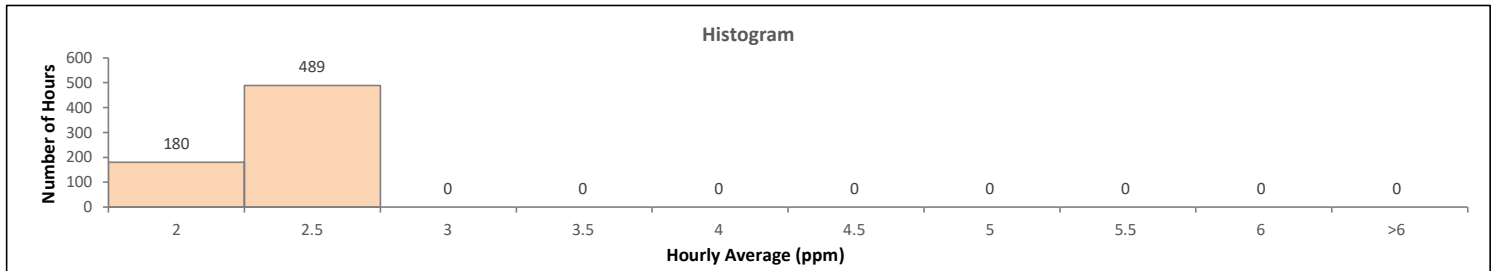
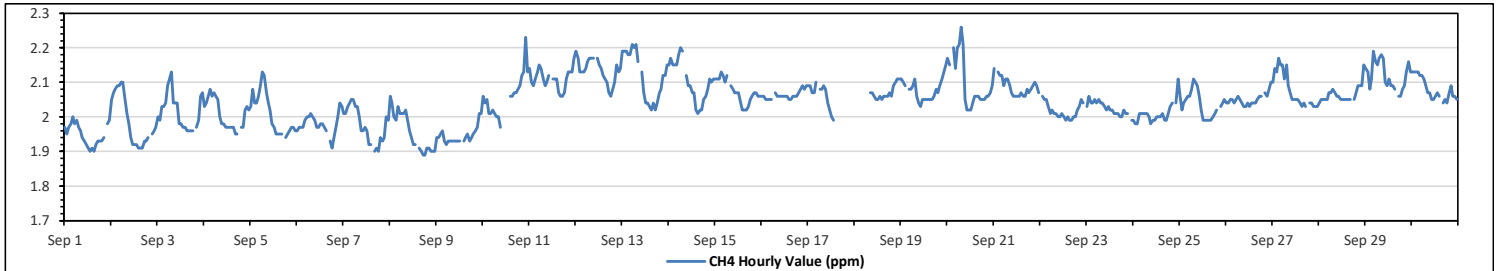
Calm: 0.00% Valid Data: 92.64% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	1.95	0.9	0	0	0	2.85
NNE	0.15	0.3	0	0	0	0.45
NE	0.15	0.75	0	0	0	0.9
ENE	0	2.25	0	0	0	2.25
E	0	3.9	0	0	0	3.9
ESE	0.15	3.15	0	0	0	3.3
SE	0.15	3	0	0	0	3.15
SSE	1.05	3.3	0	0	0	4.35
S	2.4	10.64	0	0	0	13.04
SSW	4.65	17.99	0	0	0	22.64
SW	3.45	12.59	0	0	0	16.04
WSW	4.95	12.59	0	0	0	17.54
W	1.65	1.95	0	0	0	3.6
WNW	1.05	1.05	0	0	0	2.1
NW	0.75	0.9	0	0	0	1.65
NNW	1.65	0.6	0	0	0	2.25
Summary	24.15	75.86	0	0	0	100



Peace River Area Monitoring Program
Peace River Complex (PRC) Station - September 2024
Summary of Hourly Averages
METHANE (CH4) in ppm

Maximum Hourly Value:	2.26	ppm	on Sep 20 at hr 7	Hours in Service:	720																																																									
Maximum Daily Value:	2.13	ppm	on Sep 12	Hours of Data:	669																																																									
Minimum Hourly Value:	1.89	ppm	on Sep 8 at hr 17	Hours of Missing Data:	17																																																									
Minimum Daily Value:	1.95	ppm	on Sep 9	Hours of Calibration:	34																																																									
Monthly Average:	2.04	ppm		Operational Uptime:	97.6																																																									
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average																																				
Sep 1	1.97	1.95	1.97	1.98	2.00	1.98	1.99	1.97	1.96	1.94	1.93	1.92	1.91	1.90	1.91	1.90	1.92	1.93	1.93	1.93	1.94	S	1.98	1.99	1.90	2.00	1.95																																			
Sep 2	2.05	2.07	2.08	2.09	2.09	2.10	2.10	2.05	2.01	1.98	1.94	1.92	1.92	1.92	1.91	1.91	1.91	1.93	1.93	1.94	S	1.95	1.96	1.97	1.91	2.10	1.99																																			
Sep 3	2.00	1.99	2.03	2.03	2.04	2.09	2.11	2.13	2.04	2.04	2.04	1.98	1.98	1.97	1.97	1.96	1.96	1.96	1.96	S	1.97	1.99	2.06	2.07	1.96	2.13	2.02																																			
Sep 4	2.03	2.04	2.06	2.08	2.06	2.07	2.06	2.05	2.00	1.98	1.98	1.97	1.97	1.97	1.97	1.95	1.95	S	1.97	1.97	2.02	2.03	2.02	1.95	2.08	2.01																																				
Sep 5	2.03	2.08	2.04	2.04	2.06	2.09	2.13	2.12	2.07	2.04	2.02	1.98	1.97	1.95	1.95	1.95	1.95	S	1.94	1.95	1.96	1.97	1.97	1.96	1.94	2.13	2.01																																			
Sep 6	1.96	1.97	1.97	1.97	1.99	2.00	2.00	2.01	2.00	1.99	1.97	1.97	1.98	1.98	1.97	1.96	S	1.93	1.91	1.94	1.97	2.00	2.04	2.03	1.91	2.04	1.98																																			
Sep 7	2.01	2.01	2.03	2.04	2.05	2.05	2.03	2.03	2.00	1.96	1.96	1.97	1.96	1.92	1.92	S	1.90	1.91	1.90	1.94	1.93	1.94	2.00	1.99	1.90	2.05	1.98																																			
Sep 8	2.06	2.04	2.00	1.99	2.03	2.01	2.01	2.01	2.02	1.99	1.96	1.94	1.92	1.92	S	1.91	1.90	1.89	1.89	1.91	1.91	1.90	1.90	1.90	1.89	2.06	1.96																																			
Sep 9	1.94	1.94	1.95	1.96	1.93	1.92	1.93	1.93	1.93	1.93	1.93	1.93	1.93	S	1.93	1.94	1.95	1.93	1.94	1.95	1.96	1.97	2.01	2.01	1.92	2.01	1.95																																			
Sep 10	2.06	2.04	2.05	2.01	2.01	2.02	2.01	2.00	2.00	1.97	C	C	C	C	2.06	2.06	2.07	2.07	2.08	2.09	2.12	2.13	2.23	2.13	1.97	2.23	2.06																																			
Sep 11	2.14	2.10	2.09	2.11	2.13	2.15	2.14	2.11	2.09	2.10	2.12	S	2.11	2.11	2.11	2.07	2.06	2.06	2.07	2.11	2.13	2.13	2.13	2.17	2.06	2.17	2.11																																			
Sep 12	2.19	2.17	2.13	2.13	2.13	2.14	2.16	2.17	2.17	2.17	S	2.17	2.15	2.14	2.12	2.11	2.10	2.07	2.06	2.08	2.10	2.15	2.13	2.14	2.06	2.19	2.13																																			
Sep 13	2.19	2.19	2.19	2.18	2.18	2.21	2.20	2.21	2.16	S	2.13	2.07	2.04	2.04	2.03	2.02	2.04	2.02	2.04	2.07	2.08	2.12	2.12	2.15	2.02	2.21	2.12																																			
Sep 14	2.15	2.17	2.15	2.15	2.15	2.18	2.20	2.19	S	2.12	2.09	2.09	2.07	2.07	2.02	2.01	2.02	2.02	2.05	2.06	2.08	2.11	2.10	2.11	2.01	2.20	2.10																																			
Sep 15	2.11	2.11	2.11	2.13	2.12	2.10	2.12	S	2.09	2.08	2.07	2.07	2.07	2.04	2.02	2.02	2.02	2.03	2.05	2.06	2.07	2.07	2.06	2.06	2.02	2.13	2.07																																			
Sep 16	2.06	2.06	2.05	2.05	2.05	S	2.07	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.06	2.06	2.06	2.07	2.08	2.09	2.08	2.09	2.05	2.09	2.06																																			
Sep 17	2.09	2.09	2.07	2.07	2.10	S	2.08	2.08	2.09	2.08	2.04	2.02	2.00	1.99	P	P	P	P	P	P	P	P	P	P	1.99	2.10	NA																																			
Sep 18	P	P	P	P	P	P	P	P	S	2.07	2.07	2.06	2.05	2.05	2.06	2.05	2.06	2.06	2.07	2.06	2.09	2.10	2.11	2.11	2.05	2.11	NA																																			
Sep 19	2.11	2.10	2.09	S	2.08	2.08	2.09	2.11	2.06	2.04	2.03	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.08	2.07	2.09	2.11	2.13	2.15	2.03	2.15	2.08																																			
Sep 20	2.17	2.15	S	2.20	2.14	2.20	2.21	2.26	2.21	2.05	2.02	2.02	2.02	2.04	2.06	2.06	2.06	2.05	2.05	2.05	2.06	2.06	2.07	2.09	2.02	2.26	2.10																																			
Sep 21	2.14	S	2.13	2.12	2.12	2.09	2.11	2.11	2.09	2.07	2.06	2.06	2.06	2.06	2.07	2.06	2.06	2.08	2.07	2.08	2.09	2.10	2.09	2.07	2.06	2.14	2.09																																			
Sep 22	S	2.06	2.05	2.05	2.03	2.01	2.02	2.01	2.01	2.00	2.00	2.01	2.00	1.99	2.00	1.99	1.99	2.00	2.00	2.02	2.03	2.05	2.04	S	1.99	2.06	2.02																																			
Sep 23	2.03	2.06	2.04	2.04	2.05	2.04	2.05	2.04	2.04	2.03	2.02	2.03	2.02	2.02	2.01	2.01	2.01	2.00	2.00	2.02	2.01	2.01	S	1.99	1.99	2.06	2.02																																			
Sep 24	1.99	1.98	1.98	2.01	2.01	2.01	2.01	2.01	2.00	1.98	1.99	1.99	2.00	2.00	2.00	2.01	1.99	1.99	2.01	2.03	2.04	S	2.04	2.11	1.98	2.11	2.01																																			
Sep 25	2.06	2.02	2.04	2.05	2.06	2.06	2.08	2.11	2.10	2.09	2.06	2.02	1.99	1.99	1.99	1.99	2.00	2.01	2.02	S	2.03	2.04	2.05	1.99	2.11	2.04	2.04																																			
Sep 26	2.04	2.04	2.05	2.05	2.04	2.05	2.06	2.05	2.04	2.03	2.04	2.03	2.04	2.04	2.04	2.04	2.05	2.06	2.06	S	2.07	2.06	2.08	2.10	2.03	2.10	2.05																																			
Sep 27	2.10	2.14	2.13	2.17	2.15	2.15	2.11	2.15	2.09	2.07	2.05	2.05	2.05	2.05	2.05	2.04	2.03	2.04	2.03	S	2.04	2.04	2.03	2.03	2.03	2.17	2.08																																			
Sep 28	2.04	2.05	2.05	2.05	2.05	2.07	2.07	2.08	2.07	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.05	S	2.05	2.07	2.09	2.09	2.09	2.15	2.04	2.15	2.06																																			
Sep 29	2.14	2.13	2.08	2.11	2.19	2.16	2.15	2.17	2.18	2.17	2.10	2.09	2.11	2.09	2.09	2.08	S	2.06	2.06	2.08	2.09	2.13	2.16	2.13	2.06	2.19	2.12																																			
Sep 30	2.13	2.13	2.13	2.13	2.12	2.12	2.11	2.09	2.07	2.07	2.05	2.05	2.06	2.07	2.06	S	2.04	2.05	2.04	2.07	2.09	2.06	2.06	2.05	2.04	2.13	2.08																																			
Diurnal Maximum	2.19	2.19	2.19	2.20	2.19	2.21	2.21	2.26	2.21	2.17	2.13	2.17	2.15	2.14	2.12	2.11	2.10	2.08	2.08	2.11	2.13	2.15	2.23	2.17																																						
Diurnal Average	2.07	2.07	2.06	2.07	2.07	2.08	2.08	2.06	2.04	2.03	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.03	2.04	2.05	2.06	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																																							
X	Invalid Data (Equipment Malfunction / Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure																																							
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																																														
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																																														

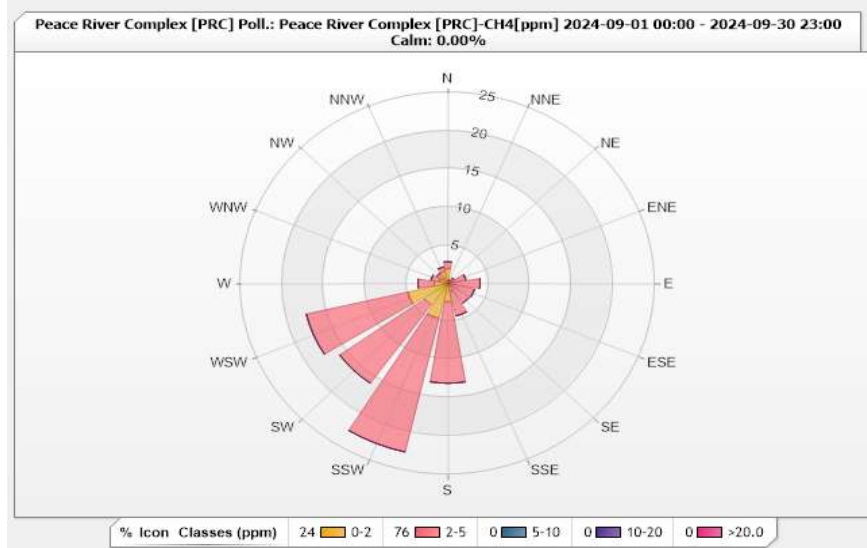


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-CH4[ppm] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 92.64% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	1.95	0.9	0	0	0	2.85
NNE	0.15	0.3	0	0	0	0.45
NE	0.15	0.75	0	0	0	0.9
ENE	0	2.25	0	0	0	2.25
E	0	3.9	0	0	0	3.9
ESE	0.15	3.15	0	0	0	3.3
SE	0.15	3	0	0	0	3.15
SSE	1.05	3.3	0	0	0	4.35
S	2.4	10.64	0	0	0	13.04
SSW	4.65	17.99	0	0	0	22.64
SW	3.45	12.59	0	0	0	16.04
WSW	4.95	12.59	0	0	0	17.54
W	1.65	1.95	0	0	0	3.6
WNW	1.05	1.05	0	0	0	2.1
NW	0.75	0.9	0	0	0	1.65
NNW	1.65	0.6	0	0	0	2.25
Summary	24.15	75.86	0	0	0	100



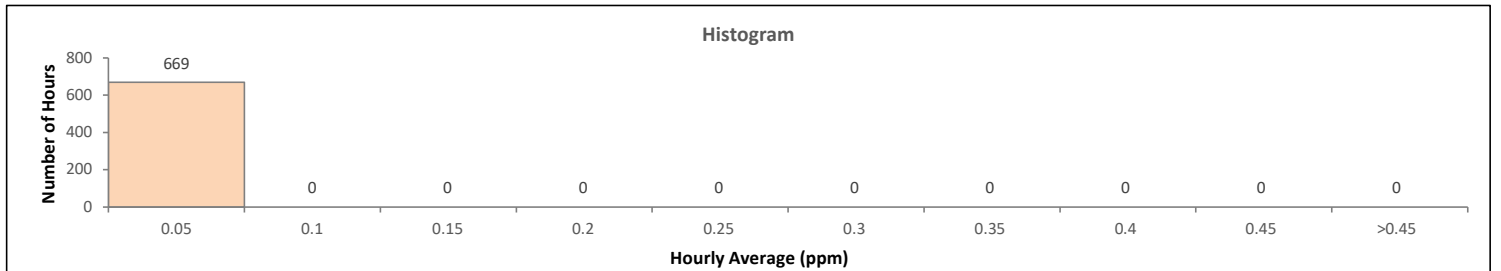
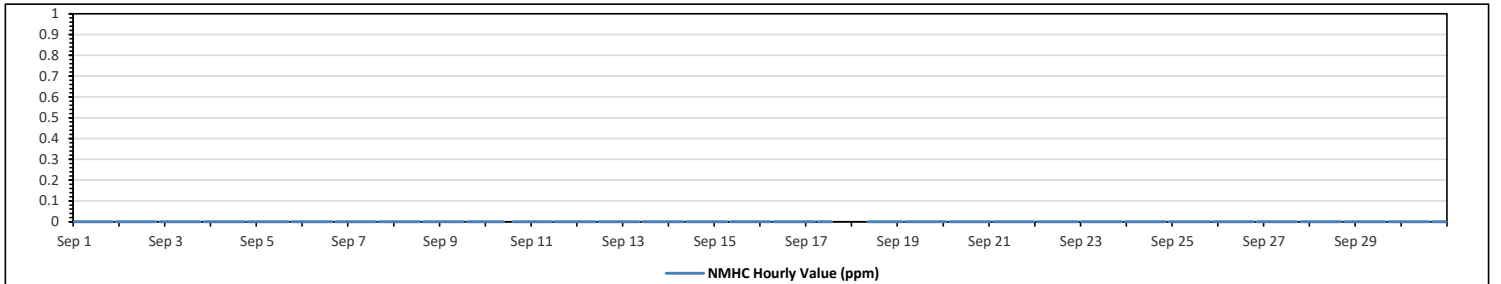
Peace River Area Monitoring Program
Peace River Complex (PRC) Station - September 2024
Summary of Hourly Averages
NON-METHANE HYDROCARBONS (NMHC) in ppm

Maximum Hourly Value:	0.00	ppm	on Sep 1 at hr 0	Hours in Service:	720
Maximum Daily Value:	0.00	ppm	on Sep 1	Hours of Data:	669
Minimum Hourly Value:	0.00	ppm	on Sep 1 at hr 0	Hours of Missing Data:	17
Minimum Daily Value:	0.00	ppm	on Sep 1	Hours of Calibration:	34
Monthly Average:	0.00	ppm		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			
Sep 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Sep 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Sep 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 10	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	0.00	0.00
Sep 11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 16	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 17	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 18	P	P	P	P	P	P	P	P	S	0.00	0.00	0.00	0.00	0.00	0.00	P	P	P	P	P	P	P	P	P	P	P	0.00
Sep 19	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 20	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 21	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 22	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Sep 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
Sep 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Sep 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Sep 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	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	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	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
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)	P	Power Failure

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

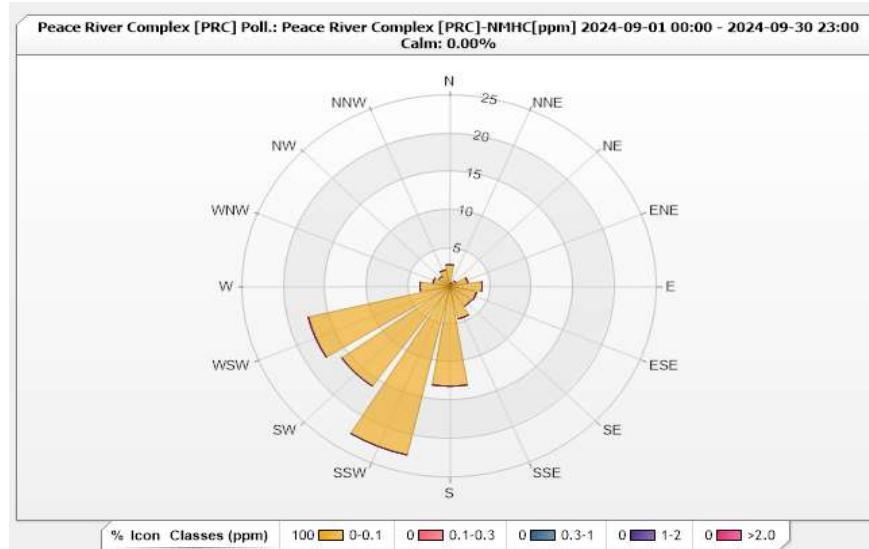


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-NMHC[ppm] Monthly: 09-2024

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

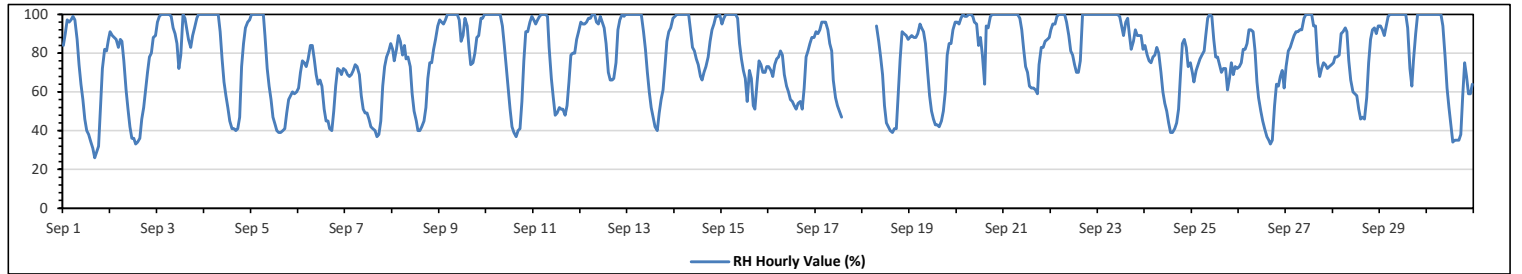
Calm: 0.00% Valid Data: 92.64% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	2.85	0	0	0	0	2.85
NNE	0.45	0	0	0	0	0.45
NE	0.9	0	0	0	0	0.9
ENE	2.25	0	0	0	0	2.25
E	3.9	0	0	0	0	3.9
ESE	3.3	0	0	0	0	3.3
SE	3.15	0	0	0	0	3.15
SSE	4.35	0	0	0	0	4.35
S	13.04	0	0	0	0	13.04
SSW	22.64	0	0	0	0	22.64
SW	16.04	0	0	0	0	16.04
WSW	17.54	0	0	0	0	17.54
W	3.6	0	0	0	0	3.6
WNW	2.1	0	0	0	0	2.1
NW	1.65	0	0	0	0	1.65
NNW	2.25	0	0	0	0	2.25
Summary	100	0	0	0	0	100



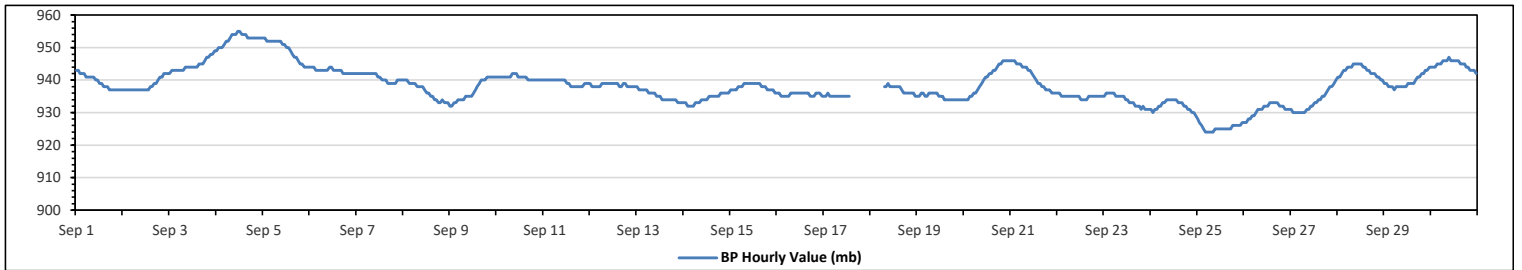
Peace River Area Monitoring Program
Peace River Complex (PRC) Station - September 2024
Summary of Hourly Averages
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Sep 3 at hr 2	Hours in Service:	720																							
Maximum Daily Value:	94.9	%	on Sep 20	Hours of Data:	703																							
Minimum Hourly Value:	26	%	on Sep 1 at hr 16	Hours of Missing Data:	17																							
Minimum Daily Value:	60.0	%	on Sep 7	Hours of Calibration:	0																							
Monthly Average:	77.9	%		Operational Uptime:	97.6																							
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average		
Sep 1	84	90	97	96	97	99	97	87	74	64	56	46	40	38	34	31	26	29	32	52	72	82	81	87	26	99	66.3	
Sep 2	91	89	88	87	83	87	86	76	61	51	42	36	36	33	34	36	46	52	61	70	78	80	88	89	33	91	65.8	
Sep 3	96	99	100	100	100	100	100	99	93	90	85	72	79	100	98	93	87	83	89	93	98	100	100	100	72	100	93.9	
Sep 4	100	100	100	100	100	100	100	100	91	77	65	58	52	45	41	41	40	41	47	73	85	93	96	97	40	100	76.8	
Sep 5	100	100	100	100	100	100	100	100	89	72	63	56	47	43	40	39	39	40	41	49	56	58	60	59	60	39	100	67.1
Sep 6	62	70	76	75	73	77	84	84	77	69	64	66	63	51	45	45	41	40	50	63	72	71	69	72	40	84	65.0	
Sep 7	71	69	68	69	71	74	73	69	58	51	49	49	46	42	41	40	37	38	45	63	73	78	81	85	37	85	60.0	
Sep 8	82	76	82	89	86	79	84	77	78	73	59	50	45	40	40	42	45	52	67	75	75	82	87	94	40	94	69.1	
Sep 9	97	96	95	97	100	100	100	100	100	100	97	86	89	98	94	82	74	75	80	88	89	98	98	100	74	100	93.0	
Sep 10	100	100	100	100	100	100	100	100	94	84	73	62	51	42	39	37	40	41	55	76	91	91	96	99	37	100	78.0	
Sep 11	97	95	97	99	100	100	100	100	99	83	67	57	48	49	52	51	51	48	53	65	79	80	80	87	91	48	100	76.2
Sep 12	96	95	95	96	98	98	100	100	96	95	99	96	93	85	70	66	66	67	75	92	97	100	99	100	66	100	90.6	
Sep 13	100	100	100	100	100	100	100	100	91	82	70	60	52	47	42	40	49	56	61	73	86	91	93	98	40	100	78.8	
Sep 14	99	100	100	100	100	100	100	100	93	83	81	77	74	68	66	70	73	78	86	92	95	99	99	100	66	100	88.9	
Sep 15	95	98	100	100	100	100	100	100	98	85	77	71	67	55	71	67	53	51	65	76	74	70	70	73	51	100	79.8	
Sep 16	73	71	68	74	77	78	81	79	69	63	60	56	55	53	51	54	55	51	62	78	81	85	88	88	51	88	68.8	
Sep 17	91	90	92	96	96	96	96	92	85	81	66	57	53	50	47	P	P	P	P	P	P	P	P	P	47	96	NA	
Sep 18	P	P	P	P	P	P	P	94	86	78	69	53	44	42	40	39	41	41	59	77	91	90	89	87	39	94	NA	
Sep 19	88	89	88	88	90	95	93	91	85	70	58	50	46	43	43	42	45	50	60	79	85	85	92	96	42	96	73.0	
Sep 20	96	95	98	100	99	99	100	100	99	96	95	84	88	79	64	94	93	99	100	100	100	100	100	100	64	100	94.9	
Sep 21	100	100	100	100	100	100	100	100	98	92	82	73	70	63	62	62	61	59	74	83	83	86	87	88	59	100	84.3	
Sep 22	92	95	95	99	100	100	100	100	96	89	81	79	74	70	70	76	100	100	100	100	100	100	100	100	70	100	92.3	
Sep 23	100	100	100	100	100	100	100	100	100	100	100	100	99	94	89	96	98	90	82	86	92	89	89	89	82	82	100	94.8
Sep 24	84	79	76	75	78	79	83	80	70	60	54	50	44	39	39	41	44	51	69	85	87	83	73	75	39	87	66.6	
Sep 25	70	65	71	74	77	79	81	89	98	100	99	87	78	78	74	70	72	72	61	67	75	69	73	72	61	100	77.1	
Sep 26	73	75	82	82	85	92	92	91	81	65	57	50	45	41	37	35	33	35	53	64	63	68	71	62	33	92	63.8	
Sep 27	73	81	83	86	89	91	91	92	92	98	100	100	100	100	94	94	75	68	72	75	74	72	73	74	68	100	85.3	
Sep 28	75	78	78	79	90	91	93	91	76	66	60	59	58	51	46	47	46	57	75	87	92	93	90	94	46	94	73.8	
Sep 29	94	92	89	94	99	100	100	100	100	100	100	100	100	100	93	72	63	76	90	100	100	100	100	100	63	100	94.3	
Sep 30	100	100	100	100	100	100	100	100	94	78	62	52	43	34	35	35	35	38	58	75	68	59	59	64	34	100	70.4	
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	100	100	100	100	98	98	100	100	100	100	100	100	100	100	100	100	100	
Diurnal Average	88.9	89.2	90.3	91.6	92.7	93.6	94.1	92.4	86.1	78.5	72.1	65.6	62.3	58.8	56.9	56.5	55.8	57.8	67.1	78.7	83.1	84.6	85.8	87.1				
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 - September 2024
Summary of Hourly Averages
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	955	mb	on Sep 4 at hr 11	Hours in Service:	720																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Maximum Daily Value:	953	mb	on Sep 4	Hours of Data:	703																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Minimum Hourly Value:	924	mb	on Sep 25 at hr 4	Hours of Missing Data:	17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Minimum Daily Value:	925	mb	on Sep 25	Hours of Calibration:	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Monthly Average:	938	mb		Operational Uptime:	97.6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Sep 1	943	943	942	942	942	941	941	941	941	941	940	940	939	939	938	938	938	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937



Peace River Area Monitoring Program
Peace River Complex (PRC) Station - September 2024
Summary of Hourly Averages
AMBIENT TEMPERATURE (AT) in Degree Celsius

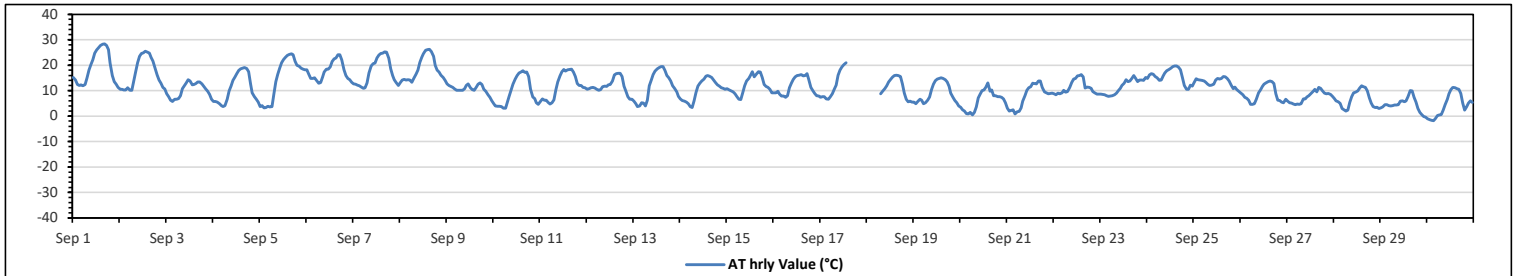
Maximum Hourly Value:	28.4	°C	on Sep 1 at hr 16	Hours in Service:	720
Maximum Daily Value:	19.0	°C	on Sep 1	Hours of Data:	703
Minimum Hourly Value:	-1.8	°C	on Sep 30 at hr 3	Hours of Missing Data:	17
Minimum Daily Value:	4.5	°C	on Sep 30	Hours of Calibration:	0
Monthly Average:	11.5	°C		Operational Uptime:	97.6

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
Sep 1	15.1	14.1	12.4	12.1	12.3	11.9	12.4	15	18.1	20.3	22.1	24.7	25.9	26.9	27.8	28.3	28.4	27.7	26.1	20.8	16	13.6	12.5	11.3	11.3	28.4	19.0
Sep 2	10.6	10.6	10.3	10.3	11.1	10.2	10.2	13.8	17.5	20.9	23.4	24.6	24.8	25.5	25.1	24.7	23.1	21.6	19	16.2	14.1	12.9	11.2	10.7	10.2	25.5	16.8
Sep 3	8.8	7.6	6.2	5.7	6.6	6.7	6.9	8	10.8	11.9	13.1	14.3	13.8	12.3	12.4	12.8	13.4	13.5	12.6	11.7	10.7	9.7	8.5	6.7	5.7	14.3	10.2
Sep 4	5.7	5.7	5.5	4.9	4.1	3.7	4.1	6.7	9.8	11.8	14	15.3	16.7	17.9	18.6	18.8	19	18.7	17.5	12.7	9.2	7.6	6.7	5.5	3.7	19.0	10.8
Sep 5	3.8	4.2	3.2	3.3	3.9	3.6	3.8	8.7	13.6	16.4	18.8	21	22.2	23.1	23.8	24.3	24.5	24.1	21.6	20	19.6	18.9	18.4	18.2	3.2	24.5	15.1
Sep 6	18.2	16.4	14.8	14.8	15	14	12.9	13.2	15.3	17.3	18.5	18.5	19.3	21.5	22.5	22.9	24.1	24.1	22.1	18.2	15.9	14.8	14.3	13.3	12.9	24.1	17.6
Sep 7	12.7	12.5	12.2	11.9	11.4	10.9	11.1	13	17	19.7	20.6	20.8	22.9	24	24.6	24.7	25.3	25.1	22.8	18.6	15.9	14.3	13.2	12.1	10.9	25.3	17.4
Sep 8	13.2	14.2	14.4	14.1	14.3	14.2	13.3	14.8	16.4	18.1	21.1	23	24.5	25.8	26.1	26.2	25.4	23.5	20	18	17.3	16.1	15.1	14	13.2	26.2	18.5
Sep 9	12.7	12.1	11.6	11.2	10.7	10.2	10.1	10.1	10.2	10.8	12.1	12.7	11.1	10.4	10.1	11.2	12.5	13	12.4	10.5	9.7	8.4	7.3	6	6.0	13.0	10.7
Sep 10	4.9	4	3.9	3.9	3.8	3.1	3.1	5.2	7.8	10.1	12.5	14.5	15.9	16.9	17.4	17.8	17.2	17.3	15.6	10.6	7.5	6.9	5.3	4.6	3.1	17.8	9.6
Sep 11	5.6	6.8	6.2	6.2	5.4	4.7	5.2	6.4	10.3	13.4	15.8	17.5	18.3	17.7	18.2	18.3	18.5	17.4	15.6	12.8	12.1	12.1	11.3	11.1	4.7	18.5	12.0
Sep 12	10.5	10.8	11.1	11.3	11	10.5	10.1	10.4	11.5	11.8	11.7	12.3	12.4	13.7	16.2	16.6	16.8	16.8	15.5	11.8	9.7	7.6	6.7	6.7	6.7	16.8	11.8
Sep 13	5.9	4.9	3.8	4	5.2	5.1	4	6.3	11.9	14	16.3	17.7	18.6	19	19.4	19.4	17.9	16	15	13.8	11.9	10.9	9.5	7.8	3.8	19.4	11.6
Sep 14	6.8	6.1	5.8	5.5	4.8	3.7	3.3	6	9.3	11.8	12.9	13.7	14.6	15.7	16	15.7	15.1	14.1	13.2	12.3	11.8	11.1	10.9	10.5	3.3	16.0	10.4
Sep 15	10.8	10.3	9.9	9.5	8.7	7.7	6.7	6.5	9.1	11.9	13.8	14.8	15.9	17.5	15.4	16.5	17.5	17.3	15.2	12.4	11.7	11.3	10.5	9.2	6.5	17.5	12.1
Sep 16	9.2	9.2	9.7	8.6	7.9	7.9	7.4	8.1	11.1	12.9	14.4	15.4	16	16.1	16.3	15.8	15.9	16.7	14.5	11.2	10	8.9	8	7.9	7.4	16.7	11.6
Sep 17	7.3	7.6	7.7	6.8	6.7	7.6	8.7	10.6	12.2	16.1	18.1	19.3	20.3	21	P	P	P	P	P	P	P	P	P	P	6.7	21.0	NA
Sep 18	P	P	P	P	P	P	P	8.8	9.8	10.8	11.9	13.5	14.5	15.3	16	16.1	15.9	15.5	12.7	9	6.6	5.6	5.9	5.5	5.5	16.1	NA
Sep 19	5.5	4.9	5.9	6.7	6.2	4.9	5.3	6.3	7.5	10.4	12.5	13.9	14.5	14.9	15	14.8	14.3	13.4	11.7	9	7.3	6.1	5.2	4	4.0	15.0	9.2
Sep 20	3.5	2.5	2	1	0.8	1.5	0.4	1.5	3.6	7.1	8.6	10	10.3	11.4	13.1	9.7	10.3	8.1	8.1	7.7	7.6	7.3	6.8	5.2	0.4	13.1	6.2
Sep 21	3.1	2	2.2	2.5	0.9	1.7	1.8	3.2	5.8	8.1	10.2	11.1	11.5	12.9	12.8	12.6	13.7	13.8	11.3	9.5	9.1	8.7	8.9	9	0.9	13.8	7.8
Sep 22	8.8	8.4	9	8.7	9.2	10.2	9.4	9.6	11.3	13.2	14.5	14.8	15.8	16	16.3	15.4	11	11.4	11.2	10.9	9.6	9.2	8.6	8.6	8.4	16.3	11.3
Sep 23	8.6	8.5	8.3	8.1	7.8	7.9	8	8.4	9	10	10.9	12	12.9	14.3	13.6	13.7	14.8	15.9	14.8	13.6	14.1	14.2	14	15.1	7.8	15.9	11.6
Sep 24	14.9	16.2	16.6	16.4	15.5	15	14	14.2	15.8	16.9	17.8	18.3	18.9	19.4	19.7	19.7	19.2	18.2	15.2	12.1	10.6	10.6	12.2	11.8	10.6	19.7	15.8
Sep 25	13.1	14.7	14.3	14.2	14	13.7	13.3	12.5	12	12.2	12.5	14.2	14.8	14.5	14.8	15.6	15.4	14.9	13.8	12.1	10.8	11.4	10.4	9.7	9.7	15.6	13.3
Sep 26	9	8.3	7.3	7	6.3	4.6	4.6	4.8	6.6	9.1	10.3	11.6	12.5	13	13.6	13.8	13.6	12.8	8.7	6.3	6.1	5.5	5.2	6.7	4.6	13.8	8.6
Sep 27	5.8	5.3	5.1	4.7	4.5	4.7	4.6	4.8	6.8	6.8	7.5	8.1	8.7	9.6	10.6	9.5	11.2	10.9	9.8	9	8.8	8.9	8.5	7.8	4.5	11.2	7.6
Sep 28	6.9	6	5.6	5	2.9	2.5	1.9	2.3	5.4	7.7	9.2	9.4	9.8	11	11.9	11.5	11.2	9.9	7.2	5.1	3.8	3.4	3.5	2.9	1.9	11.9	6.5
Sep 29	3.2	3.6	4.4	4.4	4.1	4	4.2	4.3	4.3	4.5	5.8	6	5.6	6	7.6	10	9.9	7.4	5.5	3	1.5	0.6	-0.1	-0.4	-0.4	10.0	4.6
Sep 30	-1.1	-1.4	-1.6	-1.8	-0.9	0.2	0.4	0.6	2.3	4.4	6.7	8.7	10.4	11.2	11.1	10.8	10.6	8.9	5.1	2.4	3.6	5.1	6	5.4	-1.8	11.2	4.5
Diurnal Maximum	18.2	16.4	16.6	16.4	15.5	15.0	14.0	15.0	18.1	20.9	23.4	24.7	25.9	26.9	27.8	28.3	28.4	27.7	26.1	20.8	19.6	18.9	18.4	18.2			
Diurnal Average	8.4	8.1	7.9	7.6	7.4	7.1	6.9	8.1	10.4	12.3	13.9	15.1	15.8	16.5	16.8	16.8	16.7	16.1	14.3	11.8	10.4	9.7	9.1	8.5			

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

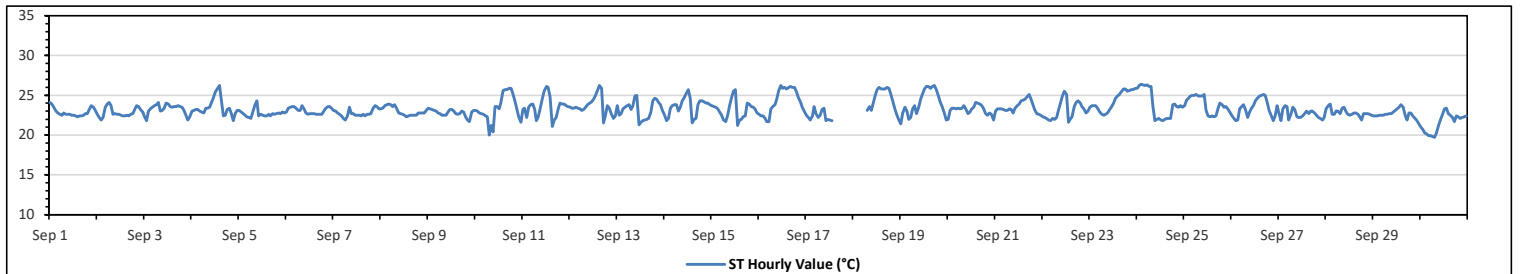
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

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



Peace River Area Monitoring Program
Peace River Complex (PRC) Station - September 2024
Summary of Hourly Averages
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	26.4	°C	on Sep 24 at hr 2	Hours in Service:	720																						
Maximum Daily Value:	24.3	°C	on Sep 16	Hours of Data:	703																						
Minimum Hourly Value:	19.7	°C	on Sep 30 at hr 7	Hours of Missing Data:	17																						
Minimum Daily Value:	21.5	°C	on Sep 30	Hours of Calibration:	0																						
Monthly Average:	23.2	°C		Operational Uptime:	97.6																						
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average	
Sep 1	24.1	23.9	23.5	23.0	22.8	22.6	22.5	22.8	22.6	22.6	22.5	22.5	22.4	22.3	22.4	22.4	22.5	22.7	22.7	23.2	23.7	23.5	23.1	22.3	24.1	22.9	
Sep 2	22.6	22.2	21.9	22.2	23.5	23.9	24.1	23.7	22.6	22.7	22.6	22.5	22.4	22.4	22.5	22.4	22.6	22.7	23.2	23.7	23.6	23.2	22.9	21.9	24.1	22.9	
Sep 3	22.3	21.8	23.0	23.3	23.5	23.7	23.8	24.1	23.0	23.1	23.4	24.0	23.9	23.6	23.5	23.6	23.6	23.7	23.6	23.5	23.1	22.5	21.9	22.3	21.8	24.1	
Sep 4	23.0	23.1	23.2	23.2	23.0	22.9	22.8	23.4	23.4	23.5	24.1	24.7	25.4	25.9	26.2	24.3	22.4	22.5	23.2	23.4	22.7	21.8	22.7	23.1	21.8	26.2	
Sep 5	23.1	22.9	22.7	22.5	22.3	22.2	22.1	22.9	23.8	24.3	22.4	22.6	22.5	22.4	22.4	22.6	22.4	22.7	22.6	22.7	22.8	22.7	22.9	22.8	22.1	24.3	
Sep 6	22.9	23.4	23.5	23.6	23.6	23.4	23.1	23.1	23.7	23.2	22.8	22.6	22.7	22.7	22.7	22.6	22.6	22.6	22.6	23.0	23.4	23.6	23.6	23.4	22.6	23.7	
Sep 7	23.1	23.0	22.8	22.6	22.4	22.1	21.9	22.4	23.5	22.7	22.7	22.5	22.5	22.5	22.4	22.6	22.4	22.6	22.6	22.7	23.4	23.7	23.6	23.3	21.9	23.7	
Sep 8	23.3	23.4	23.7	23.8	23.9	23.8	23.6	23.8	23.3	22.8	22.7	22.6	22.5	22.3	22.4	22.5	22.5	22.5	22.5	22.8	22.8	22.8	22.8	23.1	22.3	23.9	
Sep 9	23.4	23.3	23.2	23.1	23.0	22.8	22.7	22.5	22.5	22.5	22.9	23.2	23.2	23.0	22.7	22.6	22.7	23.0	22.9	22.3	21.9	21.7	22.9	23.1	21.7	23.4	
Sep 10	23.1	23.0	22.8	22.7	22.6	22.4	22.3	20.0	21.2	20.4	23.6	23.6	23.3	24.0	25.6	25.7	25.7	25.9	25.9	25.3	24.3	23.3	23.3	21.6	20.0	25.9	
Sep 11	23.2	23.4	22.2	23.5	23.8	23.9	23.2	21.8	22.3	23.5	24.6	25.6	26.1	26.0	24.8	21.1	21.9	22.2	23.4	24.0	23.9	23.9	23.7	23.6	21.1	26.1	
Sep 12	23.5	23.4	23.4	23.5	23.4	23.3	23.1	23.2	23.5	23.8	24.0	24.2	24.5	25.0	25.6	26.2	25.9	21.5	22.5	23.7	23.4	22.7	22.1	22.4	21.5	26.2	
Sep 13	23.7	22.5	22.7	23.3	23.5	23.7	23.8	23.2	23.7	24.9	25.0	21.3	21.6	21.8	21.9	22.0	22.1	22.9	24.3	24.6	24.5	24.1	23.8	23.1	21.3	25.0	
Sep 14	22.5	21.8	22.1	23.4	23.7	23.8	23.8	23.0	23.5	24.3	24.7	25.2	25.7	24.6	21.5	22.0	22.1	23.8	24.3	24.3	24.2	24.0	24.0	23.8	21.5	25.7	
Sep 15	23.7	23.6	23.5	23.3	22.9	22.5	21.9	21.7	22.5	23.7	24.7	25.5	25.7	21.2	21.9	22.0	22.3	22.4	24.0	23.9	23.6	23.5	23.3	22.8	21.2	25.7	
Sep 16	22.6	22.4	22.4	22.1	21.7	21.7	23.3	23.6	23.8	24.6	25.5	26.2	25.9	26.0	25.8	26.0	26.1	26.0	26.0	25.4	24.7	24.1	23.5	23.0	21.7	26.2	
Sep 17	22.5	22.2	21.9	22.4	23.6	22.7	22.2	22.5	23.2	23.4	21.8	22.0	21.9	21.8	P	P	P	P	P	P	P	P	P	P	21.8	23.6	
Sep 18	P	P	P	P	P	P	P	P	23.1	23.6	23.1	24.0	25.0	25.7	26.0	25.8	25.8	26.0	25.9	25.1	24.1	23.2	22.5	21.9	21.9	26.0	
Sep 19	21.4	22.8	23.5	23.0	22.0	22.2	23.3	23.7	22.7	23.5	24.5	25.2	25.8	26.1	26.1	25.9	26.1	26.2	25.7	25.0	24.2	23.5	22.8	21.9	21.4	26.2	
Sep 20	22.0	23.1	23.4	23.4	23.3	23.4	23.3	23.4	23.7	23.3	22.7	22.9	23.3	23.5	24.1	24.0	23.9	23.7	23.3	22.7	22.5	22.8	22.6	21.9	21.9	24.1	
Sep 21	23.0	23.3	23.3	23.3	23.2	23.1	23.1	23.3	23.2	22.8	23.4	23.7	23.9	24.3	24.4	24.5	24.8	25.1	24.5	23.8	23.2	22.7	22.6	22.5	22.5	25.1	
Sep 22	22.3	22.2	22.1	21.9	21.8	22.1	22.0	22.2	23.0	24.0	24.9	25.5	25.1	21.6	22.0	22.3	23.6	24.1	24.3	24.0	23.6	23.3	22.8	23.0	21.6	25.5	
Sep 23	23.5	23.7	23.7	23.7	23.3	22.9	22.6	22.5	22.6	22.8	23.2	23.6	24.0	24.6	24.9	25.1	25.4	25.8	25.8	25.5	25.6	25.7	25.7	25.9	22.5	25.9	
Sep 24	25.9	26.2	26.4	26.3	26.2	26.3	26.1	26.1	23.6	21.8	22.0	22.1	21.9	21.8	22.0	22.1	22.1	23.8	23.9	23.6	23.5	23.7	23.5	21.8	26.4		
Sep 25	23.7	24.4	24.6	24.9	25.0	25.0	25.1	24.9	24.9	24.9	25.1	23.1	22.4	22.3	22.4	22.3	22.4	23.3	24.0	23.8	23.5	23.6	23.3	22.9	22.3		
Sep 26	22.5	22.1	21.8	21.9	23.3	23.6	23.8	23.2	22.2	22.9	23.4	23.7	24.3	24.6	24.9	25.0	25.1	25.0	24.1	23.1	22.4	21.8	22.4	23.7	21.8		
Sep 27	22.7	21.8	23.3	23.7	23.6	21.9	22.6	23.5	23.2	22.3	22.2	22.2	22.4	22.7	23.0	22.7	23.0	23.0	22.8	22.5	22.2	22.1	21.9	22.2	21.8		
Sep 28	23.3	23.7	23.9	22.6	22.6	23.0	23.0	22.7	23.4	23.5	22.9	22.6	22.5	22.6	22.8	22.8	22.6	22.3	21.9	22.7	22.7	22.7	22.6	22.5	21.9		
Sep 29	22.4	22.4	22.4	22.5	22.5	22.5	22.6	22.6	22.7	22.7	22.9	23.1	23.3	23.5	23.8	23.5	22.5	21.9	22.8	22.8	22.4	22.1	21.8	21.4	21.4		
Sep 30	21.0	20.7	20.3	20.1	19.9	19.9	19.8	19.7	20.3	21.3	22.0	22.6	23.3	23.4	22.7	22.5	22.2	21.7	22.4	22.3	22.1	22.2	22.3	22.4	19.7		
Diurnal Maximum	25.9	26.2	26.4	26.3	26.2	26.3	26.1	26.1	24.9	24.9	25.5	26.2	26.1	26.1	26.2	26.2	26.1	26.2	26.0	25.5	25.6	25.7	25.7	25.9			
Diurnal Average	23.0	23.0	23.0	23.1	23.1	23.0	23.0	23.0	23.0	23.2	23.4	23.5	23.7	23.5	23.6	23.4	23.4	23.4	23.7	23.6	23.4	23.1	23.0	22.9			
C	Monthly Calibration						S	Daily Zero-Span Check						Q	Quality Assurance												
K	Collection Error						ND	No Data (Machine Not in Service)						Y	Routine Maintenance						P	Power Failure					
X	Invalid Data (Equipment Malfunction /Recovery)						NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)																			
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																											
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																											



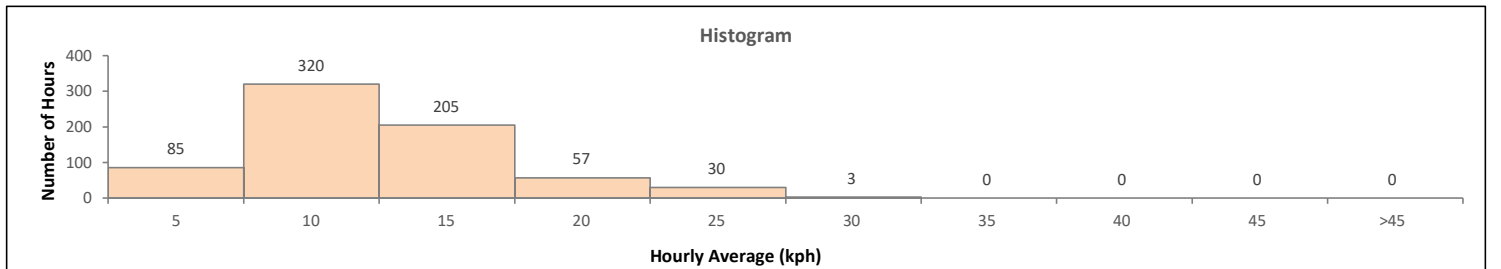
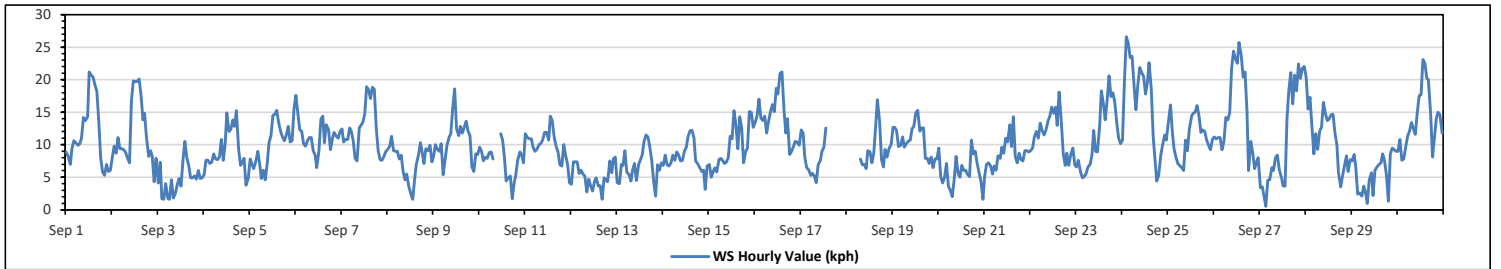
Peace River Area Monitoring Program
Peace River Complex (PRC) Station - September 2024
Summary of Hourly Averages
VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	26.6	kph	on Sep 24 at hr 2	Hours in Service:	720
Maximum Daily Value:	16.4	kph	on Sep 24	Hours of Data:	700
Minimum Hourly Value:	0.5	kph	on Sep 27 at hr 3	Hours of Missing Data:	17
Minimum Daily Value:	4.7	kph	on Sep 3	Hours of Calibration:	3
Monthly Average:	6.8	kph		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				
Sep 1	8.9	8.1	7.0	9.4	10.6	10.3	9.9	10.1	11.0	14.2	13.7	14.3	21.2	20.7	20.4	19.2	18.2	13.5	7.9	5.8	5.3	7.0	5.9	6.0	5.3	21.2	11.6	
Sep 2	8.0	9.8	8.7	11.1	9.4	9.4	9.2	8.8	7.9	7.2	16.8	19.8	19.7	19.7	20.1	17.6	13.8	14.8	11.1	8.2	9.1	8.2	4.3	7.9	4.3	20.1	11.7	
Sep 3	4.1	7.3	1.7	1.6	4.0	1.7	1.6	4.6	1.8	2.5	4.0	4.8	3.6	7.6	10.5	8.0	6.8	4.9	4.9	5.2	4.7	6.0	4.8	4.9	1.6	10.5	4.7	
Sep 4	5.4	7.6	7.6	7.1	7.3	8.6	7.8	7.7	8.1	10.8	7.6	10.2	14.9	12.0	12.4	13.8	12.8	15.2	9.2	6.8	7.3	7.9	3.8	4.8	3.8	15.2	9.0	
Sep 5	7.8	7.1	6.3	7.3	9.0	6.9	4.8	6.1	4.6	7.0	10.3	11.4	14.5	14.7	15.3	13.4	12.1	11.2	10.6	11.5	12.8	10.4	10.6	15.5	4.6	15.5	10.1	
Sep 6	17.6	14.8	12.3	12.1	10.1	9.8	10.6	11.1	11.1	9.1	8.4	6.5	9.1	13.9	14.4	10.3	13.1	12.3	9.2	10.9	11.9	11.4	11.0	12.0	6.5	17.6	11.4	
Sep 7	12.4	10.4	10.8	10.8	12.6	12.1	10.6	7.9	7.5	12.6	13.0	13.4	14.7	18.9	18.4	17.1	18.8	18.5	12.6	9.1	7.7	7.6	8.2	9.0	7.5	18.9	12.3	
Sep 8	9.3	9.8	11.3	9.1	9.0	9.0	7.8	8.4	5.9	4.6	5.5	3.5	2.5	1.6	4.7	6.9	8.4	10.3	8.7	7.1	9.4	9.1	9.9	7.4	1.6	11.3	7.5	
Sep 9	8.2	10.0	9.3	9.0	10.2	5.4	7.6	9.9	11.2	11.7	15.6	18.6	12.4	11.4	12.8	11.8	12.7	13.6	12.1	11.4	6.6	5.9	8.6	8.5	5.4	18.6	10.6	
Sep 10	9.6	9.0	7.5	8.1	7.9	8.8	8.9	7.8	C	C	C	11.7	10.7	7.8	4.4	4.9	5.2	1.7	4.1	5.3	7.6	8.9	8.3	7.2	1.7	11.7	7.4	
Sep 11	11.7	11.1	10.9	10.9	9.6	9.0	9.3	10.0	10.2	10.7	11.9	11.9	10.7	14.4	13.7	11.2	9.8	8.9	6.9	6.7	10.0	8.3	7.0	4.1	4.1	14.4	10.0	
Sep 12	3.9	7.4	7.4	7.4	5.6	6.1	5.5	5.2	2.7	4.7	3.7	2.9	4.3	4.9	3.7	3.7	1.6	4.9	4.6	4.3	7.5	5.7	7.8	8.1	1.6	8.1	5.2	
Sep 13	4.2	4.0	7.0	6.8	9.1	5.8	5.4	4.4	6.1	7.1	4.5	7.0	7.6	8.4	10.5	11.5	11.2	9.6	7.5	4.3	2.1	6.9	6.1	7.2	2.1	11.5	6.8	
Sep 14	6.8	8.4	6.9	6.7	7.2	8.4	7.6	8.9	8.4	7.5	7.6	9.0	9.6	11.2	12.2	12.2	11.0	7.5	7.1	6.5	5.9	6.1	3.1	6.7	3.1	12.2	8.0	
Sep 15	7.0	5.0	5.8	6.4	5.8	7.7	7.9	7.6	7.1	7.3	8.0	11.3	10.9	15.2	13.1	9.4	14.3	12.6	7.2	8.9	9.5	15.1	15.0	12.7	5.0	15.2	9.6	
Sep 16	13.4	14.4	17.0	14.1	13.7	14.4	11.8	13.3	15.1	16.2	15.1	18.7	17.8	21.0	21.2	15.5	11.8	14.0	8.5	9.0	9.7	10.5	10.4	9.9	8.5	21.2	14.0	
Sep 17	12.3	11.8	8.2	6.5	6.2	5.3	5.6	5.2	4.2	6.9	7.6	9.0	9.6	12.6	P	P	P	P	P	P	P	P	P	P	4.2	12.6	NA	
Sep 18	P	P	P	P	P	P	P	P	7.8	6.9	7.0	6.3	9.1	8.9	7.2	8.8	13.1	16.9	13.6	7.7	6.6	9.3	8.1	9.5	10.0	6.3	16.9	NA
Sep 19	12.7	12.7	12.2	9.7	9.9	11.2	9.6	10.1	10.5	10.7	12.4	12.8	14.9	15.3	12.1	12.6	12.6	7.9	7.9	7.1	8.1	6.5	7.8	7.8	6.5	15.3	10.6	
Sep 20	9.5	5.1	4.1	5.0	7.1	3.6	3.0	2.0	4.6	8.2	5.7	5.0	6.8	6.0	6.1	5.5	5.1	10.7	8.6	9.0	7.4	5.9	4.3	1.6	1.6	10.7	5.8	
Sep 21	5.0	7.0	7.2	6.7	5.5	6.7	6.1	8.3	7.9	9.6	8.7	11.0	10.4	13.1	9.7	14.3	8.2	7.2	8.7	7.7	7.5	9.1	9.1	8.9	5.0	14.3	8.5	
Sep 22	9.1	9.5	11.3	12.0	11.0	13.3	12.2	11.5	12.3	13.6	14.4	15.8	14.8	15.8	13.0	18.1	13.4	8.6	6.8	8.7	6.8	8.6	9.5	6.9	6.8	18.1	11.5	
Sep 23	6.6	7.6	5.8	4.9	5.1	5.5	6.6	7.0	8.6	12.2	9.0	8.9	13.2	18.3	16.4	13.8	16.8	20.6	17.4	18.0	16.5	13.4	11.0	10.2	4.9	20.6	11.4	
Sep 24	10.7	19.6	26.6	25.6	23.4	23.6	19.2	15.4	19.2	21.9	21.1	20.5	17.8	19.6	22.6	18.6	11.2	7.5	4.4	5.3	8.5	10.1	11.5	10.7	4.4	26.6	16.4	
Sep 25	13.3	16.1	11.9	9.4	8.1	7.1	6.7	6.4	6.0	10.7	9.1	12.4	14.4	14.8	15.0	16.0	14.5	11.9	12.3	12.0	10.7	9.9	9.2	10.8	6.0	16.1	11.2	
Sep 26	11.2	10.9	11.1	11.1	9.2	10.5	14.2	13.8	14.9	21.7	24.4	23.2	22.5	25.7	23.8	20.4	21.2	15.2	6.0	10.5	8.8	6.3	7.2	8.0	6.0	25.7	14.7	
Sep 27	3.4	3.5	1.9	0.5	4.5	4.6	6.5	6.0	8.0	8.4	6.2	4.9	3.7	3.6	13.9	18.4	21.1	16.3	20.7	18.3	22.4	20.2	21.7	22.0	0.5	22.4	10.9	
Sep 28	20.4	15.5	17.3	12.8	8.6	11.7	9.3	12.0	12.7	16.5	14.8	13.7	13.9	14.6	14.7	11.8	10.0	5.7	3.5	5.3	6.8	8.3	5.9	7.7	3.5	20.4	11.4	
Sep 29	7.5	8.5	6.6	2.4	2.6	2.1	3.6	2.8	1.0	4.5	5.7	2.2	6.0	6.6	6.9	7.2	8.6	7.5	5.3	1.3	8.6	9.5	9.2	9.0	1.0	9.5	5.6	
Sep 30	9.0	10.8	7.6	7.8	9.6	11.3	12.1	13.4	12.5	11.6	14.8	17.5	17.7	23.1	22.5	20.2	20.0	14.7	8.1	11.2	14.1	15.0	14.6	11.8	7.6	23.1	13.8	
Diurnal Maximum	20.4	19.6	26.6	25.6	23.4	23.6	19.2	15.4	19.2	21.9	24.4	23.2	22.5	25.7	23.8	20.4	21.2	20.6	20.7	18.3	22.4	20.2	21.7	22.0				
Diurnal Average	9.3	9.8	9.3	8.7	8.7	8.6	8.3	8.5	8.6	10.2	10.5	11.4	12.0	13.3	13.6	13.0	12.5	11.1	8.6	8.3	9.1	9.2	8.8	8.9				

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

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

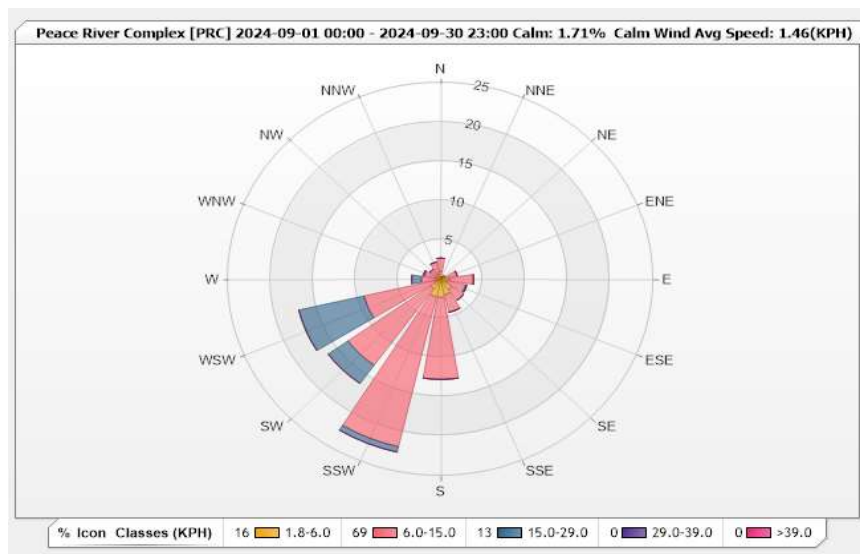


Station: Peace River Complex [PRC] Monitor: WDS [KPH] Monthly: 09-2024

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

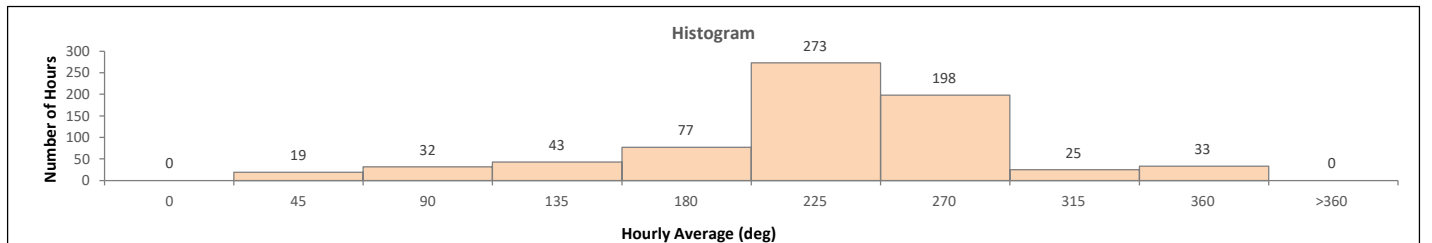
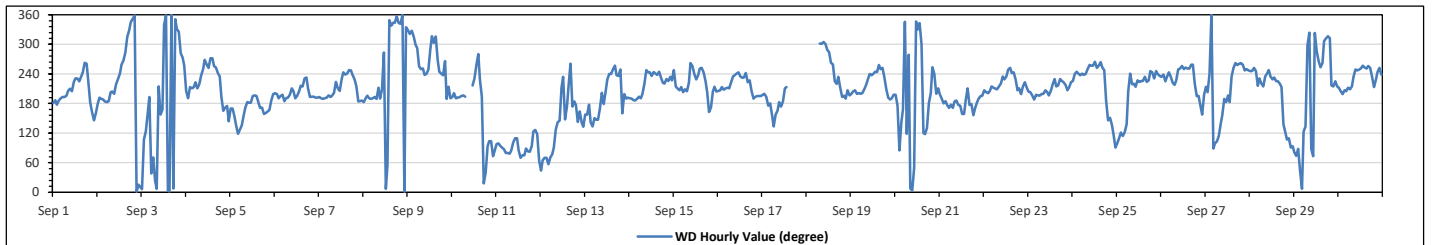
Calm (WS<1.8kph): 1.71% Valid Data: 97.22%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	1	1.71	0	0	0	2.71
NNE	0.29	0	0	0	0	0.29
NE	0.57	0	0	0	0	0.57
ENE	0.57	1.43	0	0	0	2
E	1	2.86	0	0	0	3.86
ESE	0.71	2.29	0.14	0	0	3.14
SE	1.57	1.71	0	0	0	3.28
SSE	2	2.29	0	0	0	4.29
S	2.29	10.43	0	0	0	12.72
SSW	2.29	19.57	0.71	0	0	22.57
SW	1.43	12	2.86	0	0	16.29
WSW	0.57	8.71	7.86	0	0	17.14
W	0.43	1.86	1.14	0	0	3.43
WNW	0.57	1.43	0.14	0	0	2.14
NW	0.43	1.14	0	0	0	1.57
NNW	0.71	1.57	0	0	0	2.28
Summary	16.43	69	12.85	0	0	98.28



Peace River Area Monitoring Program
Peace River Complex (PRC) Station - September 2024
Summary of Hourly Averages
WIND DIRECTION (VWD) in sector

Monthly Average:		219 (SW) degree																							Hours in Service:		720		
																									Hours of Data:		700		
																									Hours of Missing Data:		17		
																									Hours of Calibration:		3		
																									Operational Uptime:		97.6		
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Average				
																									Degree	Quadrant			
Sep 1	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	W	W	SW	S	SSE	SE	SSE	213	SSW			
Sep 2	S	S	S	S	S	S	S	SSW	SSW	SSW	SW	SW	WSW	WSW	W	WNW	NW	NNW	NNW	N	N	N	NNE	N	249	WSW			
Sep 3	N	ESE	ESE	SSE	S	NE	ENE	NNE	N	SSW	SSE	SSE	NNW	N	N	N	N	N	NNW	NW	W	W	WSW	352	N				
Sep 4	SSW	S	SSW	SSW	SSW	SW	SSW	SW	SW	WSW	W	WSW	WSW	W	W	WSW	WSW	WSW	SW	SSW	SSE	S	S	SE	232	SW			
Sep 5	SSE	SSE	SSE	SE	ESE	SE	SE	SSE	S	S	S	S	SSW	SSW	SSW	S	S	SSE	SSE	SSE	SSE	S	S	SSW	173	S			
Sep 6	SSW	SSW	S	SSW	SSW	S	S	S	SSW	SSW	SSW	S	SSW	SSW	SW	SSW	SW	SW	SSW	S	SSW	SSW	S	S	202	SSW			
Sep 7	S	S	S	S	S	SSW	S	SSW	SSW	SW	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	SW	SW	SSW	S	S	S	216	SW			
Sep 8	S	S	S	SSW	S	S	S	S	S	SSW	S	SSW	WNW	N	NE	NNW	NNW	NNW	NNW	N	NNW	NNW	N	NNW	266	W			
Sep 9	NNW	NW	NNW	NW	WNW	WNW	WSW	WSW	WSW	SW	WSW	WSW	WNW	NW	WNW	NW	W	WSW	WSW	SW	W	S	SSW	S	268	W			
Sep 10	S	SSW	S	S	S	SSW	SSW	SSW	C	C	C	C	C	C	SW	SW	WSW	W	SW	SSW	NNE	NE	E	ESE	ESE	186	S		
Sep 11	E	E	E	E	E	E	E	ENE	E	E	E	ESE	ESE	E	ENE	ENE	ENE	E	E	E	E	ESE	SE	ESE	ENE	91	E		
Sep 12	NE	ENE	ENE	ENE	ENE	ENE	ENE	E	SE	SE	SE	SSW	SW	SE	S	SW	W	S	S	S	SE	SSE	SE	SE	125	SE			
Sep 13	SSE	SSE	S	SE	SE	SSE	SE	SE	SSE	SSW	S	SSW	SW	WSW	WSW	WSW	WSW	WSW	SW	SW	WSW	SSE	SSW	S	S	203	SSW		
Sep 14	S	S	S	S	S	SSW	S	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	WSW	SSE	SSW	S	S	222	SW			
Sep 15	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	W	WSW	WSW	WSW	SW	SW	WSW	WSW	WSW	SW	SSW	SSE	S	SSW	SSW	SSW	222	SW		
Sep 16	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	SW	SW	SW	WSW	WSW	SW	SW	SSW	S	S	SSW	SSW	SSW	220	SW		
Sep 17	SSW	SSW	S	S	S	SSE	SE	SSE	SSE	S	S	S	SSW	SSW	P	P	P	P	P	P	P	P	P	P	NA	NA			
Sep 18	P	P	P	P	P	P	P	WNW	WNW	WNW	WNW	WNW	WNW	W	WSW	SW	SW	SW	SSW	S	SSW	S	SSW	SSW	NA	NA			
Sep 19	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SSW	S	S	S	SSW	221	SW			
Sep 20	SSW	S	E	SE	SSE	NNW	ESE	W	N	N	NE	NNW	NNW	NNW	NNW	ENE	ESE	ESE	SE	S	SSW	WSW	WSW	SSW	181	S			
Sep 21	SSW	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	S	SSW	S	S	SSE	S	S	S	S	SSW	181	S			
Sep 22	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	222	SW			
Sep 23	SSW	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SW	SW	SW	SW	SW	SW	SSW	SSW	214	SSW			
Sep 24	SW	WSW	WSW	WSW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	W	WSW	WSW	S	SE	SSE	SE	ESE	E	241	WSW		
Sep 25	E	ESE	ESE	ESE	ESE	SE	SSW	WSW	SW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	SW	WSW	WSW	WSW	211	SSW			
Sep 26	SW	WSW	SW	SW	WSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SSW	SSW	S	SSE	SSW	239	WSW			
Sep 27	SSW	SSW	WSW	N	E	E	ESE	ESE	SE	SSE	S	S	SSW	S	SW	WSW	W	WSW	W	W	WSW	WSW	WSW	WSW	239	WSW			
Sep 28	WSW	WSW	WSW	WSW	SW	SW	SW	SSW	SW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SSW	SE	ESE	ESE	E	E	227	SW			
Sep 29	E	ENE	E	NE	N	ESE	SE	WNW	NW	E	ENE	NW	WNW	W	WSW	W	NW	NW	NW	NW	SW	SSW	SW	SSW	261	W			
Sep 30	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SSW	SW	SSW	WSW	WSW	237	SW			
C	Monthly Calibration								S	Daily Zero-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 - September 2024
Summary of Hourly Averages

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

WIND SPEED																														
Maximum Hourly Value:										26.6		kph		on Sep 24 at hr 2										Hours in Service:					720	
Maximum Daily Value:										16.4		kph		on Sep 24										Hours of Data:					700	
Minimum Hourly Value:										0.5		kph		on Sep 27 at hr 3										Hours of Missing Data:					17	
Minimum Daily Value:										4.7		kph		on Sep 3										Hours of Calibration:					3	
Monthly Average:										6.8		kph												Operational Uptime:					97.6	
WIND DIRECTION																														
Monthly Average:										219 degree (SW)																				
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average			
Sep 1	8.9	8.1	7.0	9.4	10.6	10.3	9.9	10.1	11.0	14.2	13.7	14.3	21.2	20.7	20.4	19.2	18.2	13.5	7.9	5.8	5.3	7.0	5.9	6.0	5.3	21.2	11.6			
	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	W	W	SW	S	SSE	SE	SSE			213(SSW)			
Sep 2	8.0	9.8	8.7	11.1	9.4	9.4	9.2	8.8	7.9	7.2	16.8	19.8	19.7	19.7	20.1	17.6	13.8	14.8	11.1	8.2	9.1	8.2	4.3	7.9	4.3	20.1	11.7			
	S	S	S	S	S	S	S	SSW	SSW	SSW	SW	SW	WSW	WSW	W	WNW	NW	NNW	NNW	N	N	N	NNE	N			249(WSW)			
Sep 3	4.1	7.3	1.7	1.6	4.0	1.7	1.6	4.6	1.8	2.5	4.0	4.8	3.6	7.6	10.5	8.0	6.8	4.9	4.9	5.2	4.7	6.0	4.8	4.9	1.6	10.5	4.7			
	N	ESE	ESE	SSE	S	NE	ENE	NNE	N	SSW	SSE	SSE	NNW	N	N	N	N	N	NNW	NW	W	W	WSW				352(N)			
Sep 4	5.4	7.6	7.6	7.1	7.3	8.6	7.8	7.7	8.1	10.8	7.6	10.2	14.9	12.0	12.4	13.8	12.8	15.2	9.2	6.8	7.3	7.9	3.8	4.8	3.8	15.2	9.0			
	SSW	S	SSW	SSW	SSW	SW	SSW	SW	SW	WSW	W	WSW	WSW	W	W	WSW	WSW	WSW	SW	SSW	SSE	S	S	SE			232(SW)			
Sep 5	7.8	7.1	6.3	7.3	9.0	6.9	4.8	6.1	4.6	7.0	10.3	11.4	14.5	14.7	15.3	13.4	12.1	11.2	10.6	11.5	12.8	10.4	10.6	15.5	4.6	15.5	10.1			
	SSE	SSE	SSE	SE	ESE	SE	SSE	S	S	S	S	S	SSW	SSW	S	S	S	SSE	SSE	SSE	S	SSW					173(S)			
Sep 6	17.6	14.8	12.3	12.1	10.1	9.8	10.6	11.1	11.1	9.1	8.4	6.5	9.1	13.9	14.4	10.3	13.1	12.3	9.2	10.9	11.9	11.4	11.0	12.0	6.5	17.6	11.4			
	SSW	SSW	S	SSW	SSW	S	S	S	SSW	SSW	SSW	S	SSW	SSW	SW	SSW	SW	SW	S	SSW	SSW	S	S					202(SSW)		
Sep 7	12.4	10.4	10.8	10.8	12.6	12.1	10.6	7.9	7.5	12.6	13.0	13.4	14.7	18.9	18.4	17.1	18.8	18.5	12.6	9.1	7.7	7.6	8.2	9.0	7.5	18.9	12.3			
	S	S	S	S	S	SSW	S	SSW	SSW	SW	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	SW	SW	SSW	S	S	S				216(SW)		
Sep 8	9.3	9.8	11.3	9.1	9.0	9.0	7.8	8.4	5.9	4.6	5.5	3.5	2.5	1.6	4.7	6.9	8.4	10.3	8.7	7.1	9.4	9.1	9.9	7.4	1.6	11.3	7.5			
	S	S	SSW	S	S	S	S	S	SSW	S	SSW	NNW	N	NE	NNW	NNW	NNW	NNW	N	NNW	NNW	N	N	NNW				266(W)		
Sep 9	8.2	10.0	9.3	9.0	10.2	5.4	7.6	9.9	11.2	11.7	15.6	18.6	12.4	11.4	12.8	11.8	12.7	13.6	12.1	11.4	6.6	5.9	8.6	8.5	5.4	18.6	10.6			
	NNW	NW	NNW	NW	NNW	NNW	WSW	WSW	WSW	WSW	WSW	WSW	NNW	NW	NNW	NW	W	WSW	WSW	SW	W	S	SSW	S				268(W)		
Sep 10	9.6	9.0	7.5	8.1	7.9	8.8	8.9	7.8	C	C	C	11.7	10.7	7.8	4.4	4.9	5.2	1.7	4.1	5.3	7.6	8.9	8.3	7.2	1.7	11.7	7.4			
	S	SSW	S	S	S	SSW	SSW	SSW	C	C	C	C	SW	SW	WSW	W	SW	SSW	NNE	NE	E	ESE	ESE	ENE	E			186(S)		
Sep 11	11.7	11.1	10.9	10.9	9.6	9.0	9.3	10.0	10.2	10.7	11.9	11.9	10.7	14.4	13.7	11.2	9.8	8.9	6.9	6.7	10.0	8.3	7.0	4.1	4.1	14.4	10.0			
	E	E	E	E	E	E	ENE	E	E	ESE	ESE	E	ENE	ENE	ENE	E	E	E	E	E	ESE	SE	ESE	ENE	E			91(E)		
Sep 12	3.9	7.4	7.4	7.4	5.6	6.1	5.5	5.2	2.7	4.7	3.7	2.9	4.3	4.9	3.7	3.7	1.6	4.9	4.6	4.3	7.5	5.7	7.8	8.1	1.6	8.1	5.2			
	NE	ENE	ENE	ENE	ENE	ENE	E	SE	SE	SE	SSW	SW	SE	S	SW	W	S	S	S	SE	SSE	SE	SE					125(SE)		
Sep 13	4.2	4.0	7.0	6.8	9.1	5.8	5.4	4.4	6.1	7.1	4.5	7.0	7.6	8.4	10.5	11.5	11.2	9.6	7.5	4.3	2.1	6.9	6.1	7.2	2.1	11.5	6.8			
	SSE	SSE	S	SE	SE	SSE	SE	SE	SSE	SSW	S	SSW	SW	WSW	WSW	WSW	WSW	SW	SW	SSW	SSE	SSW	S	S				203(SSW)		
Sep 14	6.8	8.4	6.9	6.7	7.2	8.4	7.6	8.9	8.4	7.5	7.6	9.0	9.6	11.2	12.2	12.2	11.0	7.5	7.1	6.5	5.9	6.1	3.1	6.7	3.1	12.2	8.0			
	S	S	S	S	S	SSW	S	SSW	SW	SSW	WSW	WSW	WSW	SW	WSW	WSW	SW	WSW	SW	SW	SW	SW	SW	SW					222(SW)	
Sep 15	7.0	5.0	5.8	6.4	5.8	7.7	7.9	7.6	7.1	7.3	8.0	11.3	10.9	15.2	13.1	9.4	14.3	12.6	7.2	8.9	9.5	15.1	15.0	12.7	5.0	15.2	9.6			
	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	W	WSW	WSW	SW	SW	WSW	WSW	WSW	SW	SSW	SSE	S	SSW	SSW	SSW				222(SW)	
Sep 16	13.4	14.4	17.0	14.1	13.7	14.4	11.8	13.3	15.1	16.2	15.1	18.7	17.8	21.0	21.2	15.5	11.8	14.0	8.5	9.0	9.7	10.5	10.4	9.9	8.5	21.2	14.0			
	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	SW	SW	SW	WSW	WSW	WSW	SW	SSW	S	S	SSW	SSW	SSW				220(SSW)	
Sep 17	12.3	11.8	8.2	6.5	6.2	5.3	5.6	5.2	4.2	6.9	7.6	9.0	9.6	12.6	P	P	P	P	P	P	P	P	P	P		4.2	12.6	NA		
	SSW	SSW	S	S	S	SSE	SE	SSE	SSE	S	S	S	SSW	SSW	P	P	P	P	P	P	P	P	P	P				NA(NA)		
Sep 18	P	P	P	P	P	P	P	P	WNW	WNW	WNW	WNW	WNW	WNW	W	WSW	SW	SW	SSW	S	SSW	S	SSW	SSW		6.3	16.9	NA		
	P	P	P	P	P	P	P	P	WNW	WNW	WNW	WNW	WNW	W	WSW	SW	SW	SSW	S	SSW	S	SSW	SSW	SSW				NA(NA)		
Sep 19	12.7	12.7	12.2	9.7	9.9	11.2	9.6	10.1	10.5	10.7	12.4	12.8	14.9	15.3	12.1	12.6	12.6	7.9	7.9	7.1	8.1	6.5	7.8	7.8	6.5	15.3	10.6			
	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SW	WSW	WSW	WSW	WSW	WSW	SW	SSW	S	S	S	SSW				221(SSW)		
Sep 20	9.5	5.1	4.1	5.0	7.1	3.6	3.0	2.0	4.6	8.2	5.7	5.0	6.8	6.0	6.1	5.5	5.1	10.7	8.6	9.0	7.4	5.9	4.3	1.6	1.6	10.7	5.8			
	SSW	S	E	SE	SSE	NNW	ESE	W	N	N	NE	NNW	NNW	NNW	NNW	ESE	ESE	SE	S	SSW	WSW	WSW	SSW	SSW				181(S)		
Sep 21	5.0	7.0	7.2	6.7	5.5	6.7	6.1	8.3	7.9	9.6	8.7	11.0	10.4	13.1	9.7	14.3	8.2	7.2	8.7	7.7	7.5	9.1	9.1	8.9	5.0	14.3	8.5			
	SSW	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	S	SSW	S	SSE	S	S	S	SSW	SSW				181(S)		
Sep 22	9.1	9.5	11.3	12.0	11.0	13.3	12.2	11.5	12.3	13.6	14.4	15.8	14.8	15.8	13.0	18.1	13.4	8.6	6.8	8.7	6.8	8.6	9.5	6.9	6.8	18.1	11.5			
	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	SSW	SSW	SSW	SSW	SSW	SSW				222(SW)		
Sep 23	6.6	7.6	5.8	4.9	5.1	5.5	6.6	7.0	8.6	12.2	9.0	8.9	13.2	18.3	16.4	13.8	16.8	20.6	17.4	18.0	16.5	13.4	11.0	10.2	4.9	20.6	11.4			
	SSW	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW				214(SSW)	
Sep 24	10.7	19.6	26.6	25.6	23.4	23.6	19.2	15.4	19.2	21.9	21.1	20.5	17.8	19.6	22.6	18.6	11.2	7.5	4.4	5.3	8.5	10.1	11.5	10.7	4.4	26.6	16.4			
	SW	WSW	WSW	WSW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	W	WSW	WSW	S	SE	SSE	SE	ESE	E				241(WSW)		
Sep 25	13.3	16.1	11.9	9.4	8.1	7.1	6.7	6.4	6.0	10.7	9.1	12.4	14.4	14.8	15.0	16.0	14.5	11.9	12.3	10.2	10.7	9.9	9.2	10.8	6.0	16.1	11.2			
	E	ESE	ESE	ESE	ESE	SE	SSW	WSW	SW	SSW	SW	SSW	SW	SW	SW	SW	SW	WSW	WSW	SW	WSW	WSW	WSW	SW				211(SSW)		
Sep 26	11.2	10.9	11.1	11.1	9.2	10.5	14.2	13.8	14.9	21.7	24.4	23.2	22.5	25.7	23.8	20.4	21.2	15.2	6.0	10.5	8.8	6.3	7.2	8.0	6.0	25.7	14.7			
	SW	WSW	SW	SW	WSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SSW	SSW	S	SSE	SSW				239(WSW)		
Sep 27	3.4	3.5	1.9	0.5	4.5	4.6	6.5	6.0	8.0	8.4	6.2	4.9	3.7	3.6	13.9	18.4	21.1	16.3	20.7	18.3	22.4	20.2	21.7	22.0	0.5	22.4	10.9			
	SSW	SSW	SSW	N	E	E	ESE	ESE	SE	SSE	S	S	SSW	S	SW	WSW	W	WSW	W	W	WSW	WSW	WSW	WSW				239(WSW)		
Sep 28	20.4	15.5	17.3	12.8	8.6	11.7	9.3	12.0	12.7	16.5	14.8	13.7	13.9	14.6	14.7	11.8	10.0	5.7	3.5	5.3	6.8	8.3	5.9	7.7	3.5	20.4	11.4			
	WSW	WSW	WSW	WSW	SW	SW	SSW	SW	SSW	SW	WSW	WSW	SW	SW	SW	SW	SW	SSW	SE	ESE	ESE	ESE	E	E				227(SW)		
Sep 29	7.5	8.5	6.6	2.4	2.6	2.1	3.6	2.8	1.0	4.5	5.7	2.2	6.0	6.6	6.9	7.2	8.6	7.5	5.3	1.3	8									

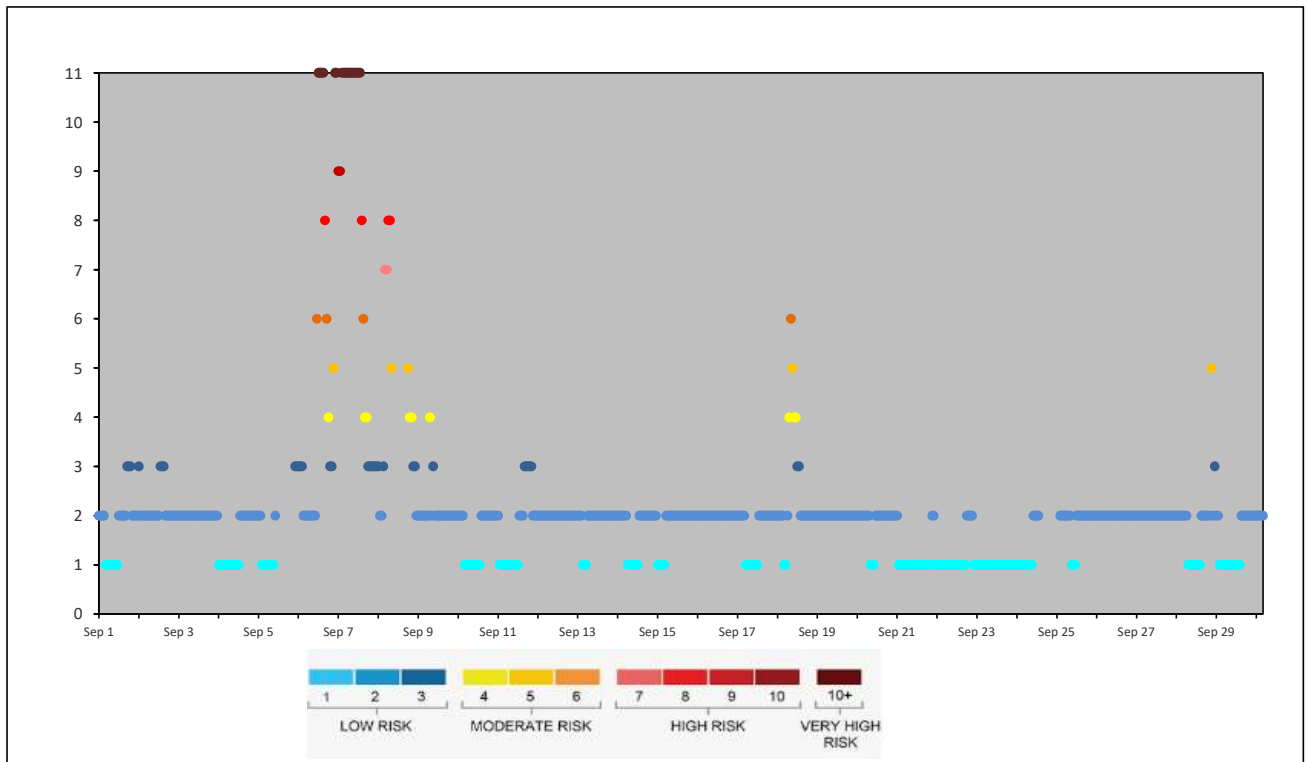
AQHI GRIMSHAW STATION

LAKELAND INDUSTRY & COMMUNITY ASSOCIATION

AQHI - Grimshaw Station - September 2024

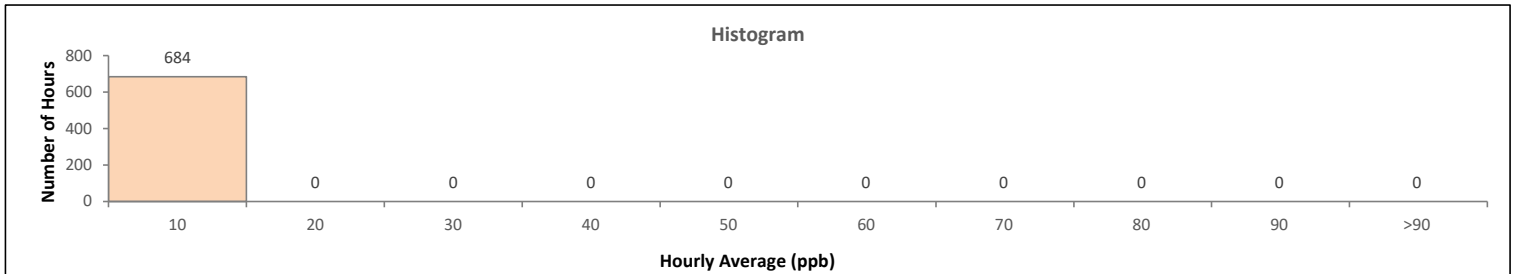
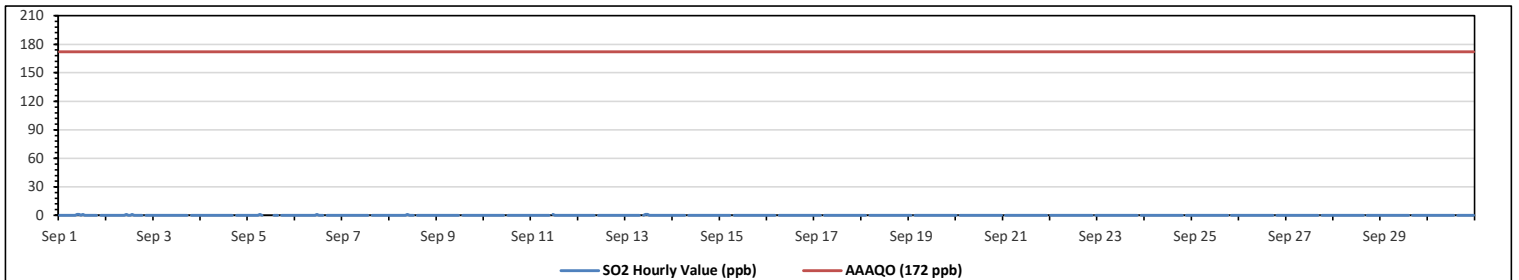
AIR QUALITY HEALTH INDEX

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
Sep 1	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	2	2	2	2
Sep 2	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2
Sep 3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sep 4	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
Sep 5	2	2	1	1	1	1	1	1	1	1	2												3	3
Sep 6	3	3	3	2	2	2	2	2	2	2	2	6	10+	10+	10+	10+	8	6	4	3	3	5	10+	1
Sep 7	9	9	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	8	6	4	4	3	3	3	3	3	3
Sep 8	3	2	2	3	7	7	8	8	5										5	4	4	3	3	2
Sep 9	2	2	2	2	2	2	4	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sep 10	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
Sep 11	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	2	2	2
Sep 12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sep 13	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sep 14	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
Sep 15	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sep 16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sep 17	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
Sep 18	2	2	2	2	1	1	2	4	6	5	4	4	3	3	2	2	2	2	2	2	2	2	2	2
Sep 19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sep 20	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
Sep 21	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
Sep 22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
Sep 23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sep 24	1	1	1	1	1	1	1	1	1	1	2	2	2	2										
Sep 25			2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
Sep 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
Sep 27	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sep 28	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	5	2	3	
Sep 29	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
Sep 30	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2



Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages
SULPHUR DIOXIDE (SO₂) 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 Sep 1 at hr 9					Hours in Service:					720													
Maximum Daily Value:					0.1 ppb on Sep 1					Hours of Data:					684													
Minimum Hourly Value:					0 ppb on Sep 1 at hr 0					Hours of Missing Data:					0													
Minimum Daily Value:					0.0 ppb on Sep 3					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				
Sep 1	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0.1
Sep 2	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	S	0	0	0	0	0	0	1	0.1
Sep 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
Sep 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
Sep 5	0	0	0	0	0	0	1	0	C	C	C	C	C	0	0	0	S	S	0	0	0	0	0	0	0	0	1	0.1
Sep 6	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0.0
Sep 7	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
Sep 8	0	0	0	0	0	0	0	0	0	1	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Sep 9	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
Sep 10	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
Sep 11	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Sep 12	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
Sep 13	0	0	0	0	0	0	0	0	S	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Sep 14	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 15	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 16	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 17	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 18	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 19	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 20	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep 21	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Sep 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Sep 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Sep 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Sep 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Sep 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
Sep 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
Sep 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Sep 29	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
Sep 30	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
Diurnal Maximum	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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.																												

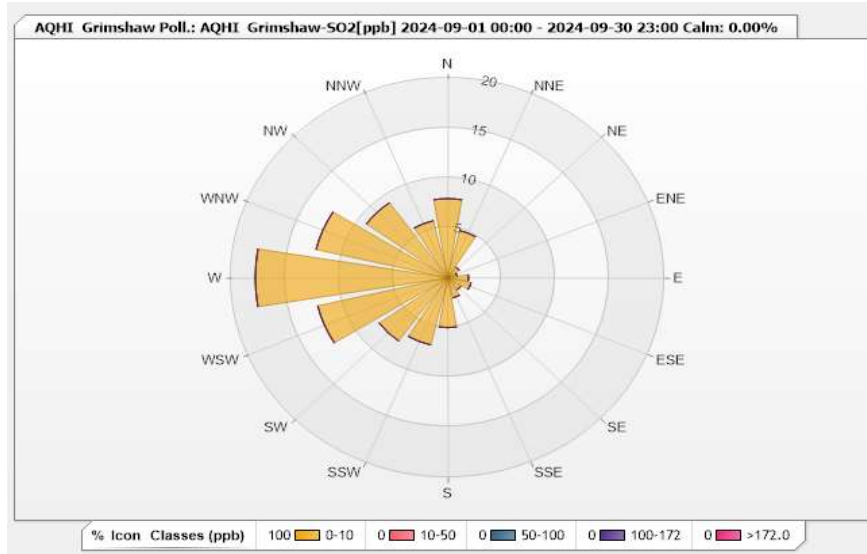


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-SO2[ppb] Monthly: 09-2024

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

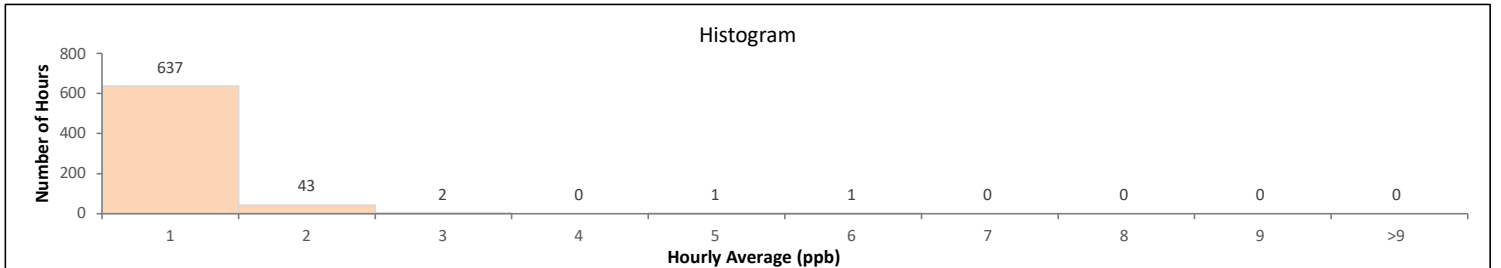
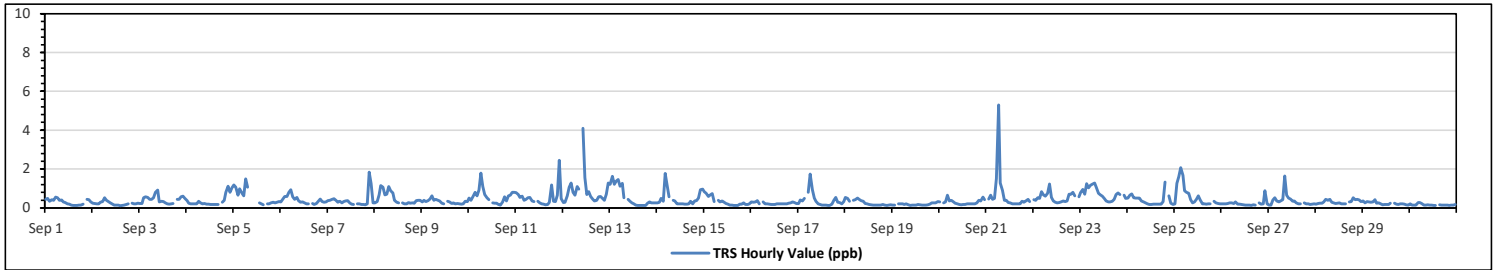
Calm: 0.00% Valid Data: 94.58% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	7.93	0	0	0	0	7.93
NNE	4.85	0	0	0	0	4.85
NE	1.32	0	0	0	0	1.32
ENE	0.88	0	0	0	0	0.88
E	1.91	0	0	0	0	1.91
ESE	2.2	0	0	0	0	2.2
SE	1.47	0	0	0	0	1.47
SSE	2.06	0	0	0	0	2.06
S	4.99	0	0	0	0	4.99
SSW	6.9	0	0	0	0	6.9
SW	7.78	0	0	0	0	7.78
WSW	12.33	0	0	0	0	12.33
W	17.77	0	0	0	0	17.77
WNW	12.48	0	0	0	0	12.48
NW	9.25	0	0	0	0	9.25
NNW	5.87	0	0	0	0	5.87
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages
TOTAL REDUCED SULPHUR (TRS) in ppb

Maximum Hourly Value:	5.30	ppb	on Sep 21 at hr 6	Hours in Service:	720																																						
Maximum Daily Value:	0.87	ppb	on Sep 12	Hours of Data:	684																																						
Minimum Hourly Value:	0.11	ppb	on Sep 2 at hr 14	Hours of Missing Data:	0																																						
Minimum Daily Value:	0.16	ppb	on Sep 30	Hours of Calibration:	36																																						
Monthly Average:	0.42	ppb		Operational Uptime:	100.0																																						
Day	0	1	2	3	4	5	6	7	8	9	Hourly Period Starting at (MST)													10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average			
Sep 1	0.43	0.48	0.34	0.42	0.39	0.55	0.53	0.39	0.41	0.31	0.28	0.2	0.19	0.14	0.13	0.13	0.13	0.14	0.15	0.19	S	0.44	0.42	0.31	0.13	0.55	0.31																
Sep 2	0.24	0.23	0.22	0.21	0.29	0.32	0.53	0.38	0.32	0.26	0.19	0.14	0.15	0.15	0.11	0.13	0.15	0.18	0.21	S	0.24	0.21	0.21	0.24	0.11	0.53	0.23																
Sep 3	0.23	0.23	0.52	0.56	0.54	0.44	0.45	0.52	0.81	0.92	0.3	0.34	0.33	0.27	0.22	0.19	0.21	0.23	S	0.43	0.43	0.56	0.6	0.48	0.19	0.92	0.43																
Sep 4	0.37	0.24	0.21	0.21	0.21	0.21	0.34	0.26	0.22	0.23	0.19	0.19	0.18	0.18	0.18	0.18	0.18	S	0.29	0.39	0.81	1.12	0.81	1.03	0.18	1.12	0.36																
Sep 5	1.18	1.06	0.65	0.99	0.77	0.63	1.49	1.06	C	C	C	C	C	C	0.25	0.2	0.16	S	0.22	0.22	0.26	0.29	0.26	0.29	0.33	0.16	1.49	0.57															
Sep 6	0.31	0.47	0.59	0.59	0.81	0.93	0.58	0.45	0.54	0.37	0.29	0.3	0.26	0.22	0.2	S	0.23	0.18	0.23	0.34	0.46	0.32	0.29	0.31	0.18	0.93	0.40																
Sep 7	0.37	0.38	0.44	0.47	0.4	0.29	0.34	0.27	0.33	0.36	0.37	0.25	0.19	0.17	S	0.22	0.2	0.17	0.17	0.16	0.21	1.84	1.25	0.25	0.16	1.84	0.40																
Sep 8	0.26	0.32	0.67	1.14	1.06	0.67	0.7	1.11	0.89	0.77	0.39	0.29	0.25	S	0.34	0.27	0.22	0.22	0.28	0.24	0.25	0.24	0.37	0.39	0.39	0.22	1.14	0.50															
Sep 9	0.31	0.39	0.32	0.37	0.46	0.63	0.4	0.43	0.4	0.36	0.24	0.22	S	0.34	0.3	0.23	0.26	0.21	0.23	0.22	0.19	0.21	0.34	0.33	0.19	0.63	0.32																
Sep 10	0.5	0.39	0.6	0.79	0.61	0.91	1.79	1.11	0.68	0.52	0.42	S	0.25	0.24	0.24	0.18	0.15	0.3	0.58	0.35	0.62	0.66	0.8	0.79	0.15	1.79	0.59																
Sep 11	0.78	0.69	0.54	0.6	0.39	0.44	0.53	0.54	0.36	0.33	S	0.34	0.26	0.22	0.19	0.16	0.17	0.29	1.18	0.34	0.32	0.65	2.46	0.47	0.16	2.46	0.53																
Sep 12	0.28	0.29	0.62	1.07	1.29	0.81	0.65	1.1	0.98	S	4.1	1.55	0.68	0.83	0.59	0.44	0.35	0.39	0.57	0.59	0.48	0.39	0.71	1.28	0.28	4.10	0.87																
Sep 13	1.21	1.63	1.21	1.38	1.47	1.12	1.26	0.53	S	0.43	0.34	0.26	0.21	0.14	0.12	0.12	0.13	0.12	0.13	0.24	0.31	0.27	0.26	0.27	0.12	1.63	0.57																
Sep 14	0.25	0.29	0.48	0.34	1.78	1.17	0.56	S	0.38	0.35	0.21	0.2	0.21	0.21	0.19	0.19	0.22	0.34	0.22	0.36	0.37	0.5	0.94	0.98	0.19	1.78	0.47																
Sep 15	0.83	0.74	0.59	0.67	0.73	0.33	S	0.38	0.3	0.35	0.29	0.23	0.19	0.15	0.14	0.13	0.13	0.13	0.19	0.19	0.25	0.18	0.17	0.21	0.13	0.83	0.33																
Sep 16	0.31	0.29	0.3	0.37	0.22	S	0.31	0.21	0.2	0.19	0.18	0.18	0.18	0.2	0.2	0.21	0.2	0.2	0.21	0.24	0.26	0.31	0.28	0.23	0.18	0.37	0.24																
Sep 17	0.23	0.41	0.36	0.49	S	0.81	1.75	0.93	0.51	0.34	0.21	0.17	0.14	0.14	0.14	0.13	0.13	0.19	0.4	0.54	0.29	0.28	0.22	0.33	0.13	1.75	0.40																
Sep 18	0.54	0.49	0.34	S	0.38	0.42	0.51	0.44	0.37	0.34	0.23	0.2	0.17	0.16	0.15	0.14	0.14	0.14	0.14	0.18	0.14	0.13	0.14	0.16	0.13	0.54	0.26																
Sep 19	0.15	0.15	S	0.21	0.22	0.22	0.18	0.22	0.16	0.13	0.14	0.14	0.15	0.17	0.16	0.14	0.15	0.15	0.16	0.19	0.27	0.25	0.25	0.32	0.13	0.32	0.19																
Sep 20	0.3	S	0.25	0.31	0.66	0.35	0.38	0.3	0.24	0.2	0.17	0.16	0.17	0.18	0.2	0.2	0.22	0.22	0.21	0.26	0.38	0.35	0.55	0.42	0.16	0.66	0.29																
Sep 21	S	0.46	0.65	0.44	0.49	1.52	5.3	1.29	0.9	0.38	0.38	0.28	0.27	0.2	0.22	0.21	0.21	0.22	0.34	0.29	0.35	0.43	0.33	S	0.20	5.30	0.69																
Sep 22	0.42	0.39	0.53	0.49	0.84	0.67	0.6	0.74	1.23	0.54	0.36	0.29	0.26	0.28	0.3	0.35	0.33	0.35	0.7	0.7	0.8	0.62	S	0.57	0.26	1.23	0.54																
Sep 23	0.78	0.95	0.71	1.25	1.04	1.17	1.23	1.29	1.07	0.76	0.67	0.6	0.49	0.35	0.31	0.31	0.34	0.43	0.69	0.77	0.68	S	0.65	0.49	0.31	1.29	0.74																
Sep 24	0.5	0.66	0.72	0.52	0.5	0.5	0.5	0.35	0.31	0.25	0.2	0.18	0.17	0.19	0.19	0.19	0.19	0.19	0.32	1.32	S	0.61	0.24	0.18	0.17	1.32	0.39																
Sep 25	0.2	1.26	1.61	2.07	1.67	0.89	0.79	0.76	0.42	0.25	0.31	0.44	0.61	0.41	0.22	0.21	0.19	0.2	0.21	S	0.34	0.26	0.23	0.22	0.19	2.07	0.60																
Sep 26	0.21	0.2	0.2	0.23	0.26	0.27	0.23	0.3	0.19	0.19	0.17	0.16	0.14	0.14	0.15	0.13	0.16	0.15	S	0.25	0.19	0.21	0.88	0.2	0.13	0.88	0.23																
Sep 27	0.15	0.15	0.41	0.52	0.36	0.3	0.35	0.42	1.64	0.66	0.51	0.46	0.34	0.35	0.27	0.21	0.21	S	0.27	0.21	0.2	0.17	0.19	0.2	0.15	1.64	0.37																
Sep 28	0.19	0.23	0.24	0.24	0.31	0.44	0.38	0.44	0.29	0.25	0.23	0.24	0.27	0.22	0.2	0.2	S	0.31	0.33	0.53	0.42	0.43	0.41	0.33	0.19	0.53	0.31																
Sep 29	0.35	0.27	0.33	0.31	0.29	0.31	0.42	0.24	0.26	0.22	0.16	0.18	0.17	0.17	0.24	S	0.24	0.19	0.17	0.21	0.2	0.19	0.16	0.14	0.14	0.42	0.24																
Sep 30	0.21	0.14	0.14	0.14	0.28	0.28	0.23	0.14	0.14	0.16	0.15	0.15	0.12	0.12	S	0.16	0.14	0.14	0.15	0.14	0.13	0.15	0.15	0.18	0.12	0.28	0.16																
Diurnal Maximum	1.21	1.63	1.61	2.07	1.78	1.52	5.30	1.29	1.64	0.92	4.10	1.55	0.68	0.83	0.59	0.44	0.35	0.43	1.18	1.32	0.81	1.84	2.46	1.28																			
Diurnal Average	0.42	0.48	0.51	0.60	0.65	0.61	0.80	0.57	0.52	0.37	0.42	0.30	0.25	0.23	0.22	0.20	0.20	0.22	0.32	0.36	0.35	0.43	0.50	0.40																			
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance																				
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance										P	Power Failure									
X	InValid Data (Equipment Malfunction / Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)																															
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																											
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																											

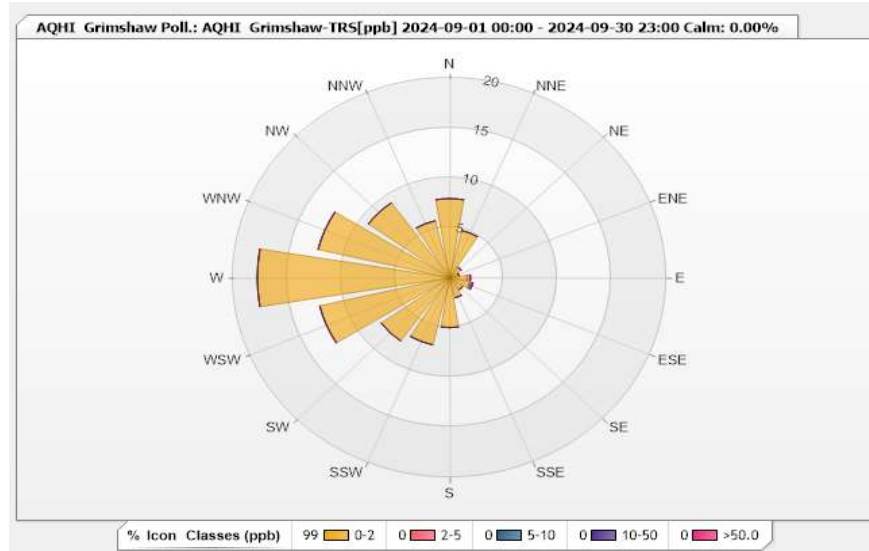


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-TRS[ppb] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 94.58% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	7.93	0	0	0	0	7.93
NNE	4.85	0	0	0	0	4.85
NE	1.32	0	0	0	0	1.32
ENE	0.88	0	0	0	0	0.88
E	1.62	0.29	0	0	0	1.91
ESE	1.91	0.15	0.15	0	0	2.21
SE	1.47	0	0	0	0	1.47
SSE	2.06	0	0	0	0	2.06
S	4.99	0	0	0	0	4.99
SSW	6.9	0	0	0	0	6.9
SW	7.78	0	0	0	0	7.78
WSW	12.33	0	0	0	0	12.33
W	17.77	0	0	0	0	17.77
WNW	12.48	0	0	0	0	12.48
NW	9.25	0	0	0	0	9.25
NNW	5.87	0	0	0	0	5.87
Summary	99.41	0.44	0.15	0	0	100



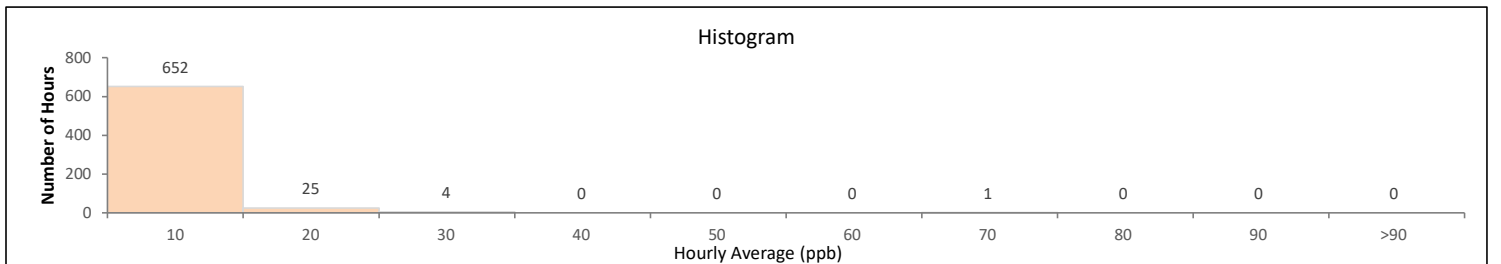
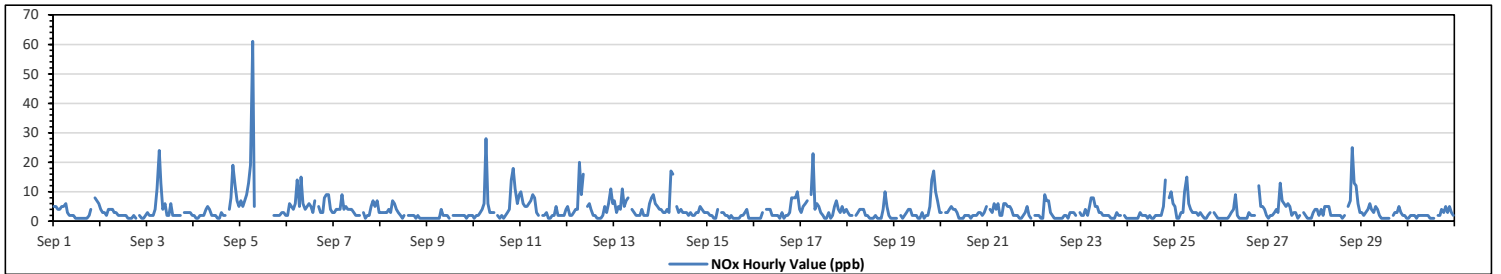
Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages
OXIDES OF NITROGEN (NOx) in ppb

Maximum Hourly Value:	61	ppb	on Sep 5 at hr 6	Hours in Service:	720
Maximum Daily Value:	6.0	ppb	on Sep 6	Hours of Data:	682
Minimum Hourly Value:	1	ppb	on Sep 1 at hr 11	Hours of Missing Data:	0
Minimum Daily Value:	1.7	ppb	on Sep 9	Hours of Calibration:	38
Monthly Average:	3.7	ppb		Operational Uptime:	100.0

Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average
Sep 1	5	5	4	4	5	5	6	3	2	2	2	1	1	1	1	1	1	1	2	4	S	8	7	6	1	8	3.3
Sep 2	4	3	3	2	4	4	4	3	3	2	2	2	2	2	1	1	1	2	1	S	2	1	1	2	1	4	2.3
Sep 3	3	2	2	2	4	11	24	13	4	6	2	2	6	2	2	2	2	2	S	3	3	3	3	2	2	24	4.6
Sep 4	2	1	1	2	2	2	4	5	4	2	2	2	1	1	3	2	2	S	4	8	19	12	7	5	1	19	4.0
Sep 5	7	5	7	9	13	19	61	5	C	C	C	C	C	C	C	1	S	2	2	2	2	3	3	2	1	61	NA
Sep 6	2	6	5	4	6	14	5	15	6	4	5	6	5	3	7	S	5	3	3	8	9	9	4	3	2	15	6.0
Sep 7	3	4	4	4	9	4	5	4	4	4	3	2	2	2	S	3	1	2	2	5	7	5	7	3	1	9	3.9
Sep 8	3	3	3	3	4	3	7	6	4	3	2	1	2	S	2	2	2	2	1	2	1	1	1	1	1	7	2.6
Sep 9	1	1	1	1	1	1	1	4	2	2	2	1	S	2	2	2	2	2	2	2	1	2	2	2	1	4	1.7
Sep 10	1	2	2	3	4	6	28	6	3	3	3	S	2	1	2	1	2	3	4	14	18	11	6	9	1	28	5.8
Sep 11	10	6	5	5	6	7	9	8	3	2	S	2	2	3	1	1	2	2	5	2	2	2	2	4	1	10	4.0
Sep 12	5	2	2	3	4	4	20	9	16	S	5	6	4	2	2	1	1	1	2	5	3	6	11	6	1	20	5.2
Sep 13	7	3	5	4	11	5	7	8	S	4	3	2	2	2	4	2	2	2	6	8	9	6	5	4	2	11	4.8
Sep 14	4	3	3	4	3	17	16	S	5	3	4	3	3	3	2	3	2	2	3	3	5	4	3	3	2	17	4.4
Sep 15	3	2	2	1	1	4	S	3	3	2	2	1	2	1	1	1	1	2	2	3	4	1	1	1	1	4	1.9
Sep 16	1	1	1	1	3	S	4	4	4	2	2	2	2	2	1	3	1	2	2	3	8	8	10	4	1	10	3.3
Sep 17	3	5	6	7	S	9	23	4	6	5	3	2	1	1	3	1	2	5	7	4	3	5	3	4	1	23	4.9
Sep 18	3	2	2	S	2	3	4	4	4	2	2	1	1	1	2	1	1	4	10	5	2	1	1	1	1	10	2.6
Sep 19	1	1	S	2	1	2	3	4	4	2	2	2	1	1	3	1	2	2	5	14	17	10	7	3	1	17	3.9
Sep 20	3	S	3	3	4	5	4	4	3	1	1	1	2	2	2	1	2	2	2	3	3	2	3	5	1	5	2.7
Sep 21	S	4	3	6	4	6	2	2	6	6	5	5	4	2	2	2	1	1	2	3	5	2	1	S	1	6	3.4
Sep 22	2	2	2	1	1	9	7	7	3	2	1	1	1	1	1	2	2	1	3	3	3	2	S	3	1	9	2.6
Sep 23	2	2	4	2	5	8	8	5	5	3	3	2	2	2	2	1	1	1	3	2	2	S	2	1	1	8	3.0
Sep 24	1	1	1	1	1	1	3	2	2	2	1	2	1	1	2	2	2	2	5	14	S	8	10	6	1	14	3.1
Sep 25	5	1	1	3	3	10	15	6	4	3	3	3	2	3	2	1	1	2	3	S	3	2	1	1	1	15	3.4
Sep 26	1	1	1	1	2	3	4	9	2	1	1	1	1	1	3	2	2	2	S	12	5	5	4	2	1	12	2.9
Sep 27	1	2	2	3	4	3	13	7	6	5	6	5	2	3	3	1	2	S	3	2	1	1	1	3	1	13	3.4
Sep 28	4	4	2	4	2	5	5	5	2	2	2	2	2	2	1	2	S	5	7	25	13	12	6	3	1	25	5.1
Sep 29	3	2	3	4	6	4	3	5	4	2	1	1	1	1	1	S	2	3	3	5	3	2	2	1	1	6	2.7
Sep 30	1	2	2	2	1	2	2	2	2	2	2	1	1	1	1	2	2	4	3	5	3	5	3	2	1	5	2.3
Diurnal Maximum	10	6	7	9	13	19	61	15	16	6	6	6	6	3	7	3	5	5	7	25	19	12	11	9			
Diurnal Average	3.1	2.7	2.8	3.1	4.0	6.1	10.2	5.6	4.1	2.8	2.6	2.2	2.1	1.7	2.2	1.5	1.8	2.2	3.3	6.4	5.7	4.8	4.0	3.2			

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

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

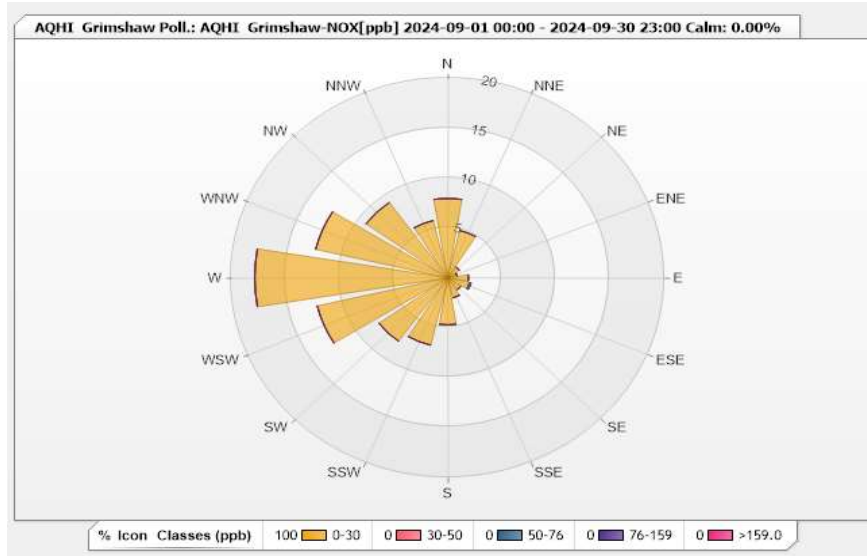


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NOX[ppb] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 94.31% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	7.95	0	0	0	0	7.95
NNE	4.86	0	0	0	0	4.86
NE	1.33	0	0	0	0	1.33
ENE	0.88	0	0	0	0	0.88
E	1.91	0	0	0	0	1.91
ESE	2.06	0	0.15	0	0	2.21
SE	1.47	0	0	0	0	1.47
SSE	2.06	0	0	0	0	2.06
S	4.71	0	0	0	0	4.71
SSW	6.92	0	0	0	0	6.92
SW	7.81	0	0	0	0	7.81
WSW	12.37	0	0	0	0	12.37
W	17.82	0	0	0	0	17.82
WNW	12.52	0	0	0	0	12.52
NW	9.28	0	0	0	0	9.28
NNW	5.89	0	0	0	0	5.89
Summary	100	0	0.15	0	0	100



Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages

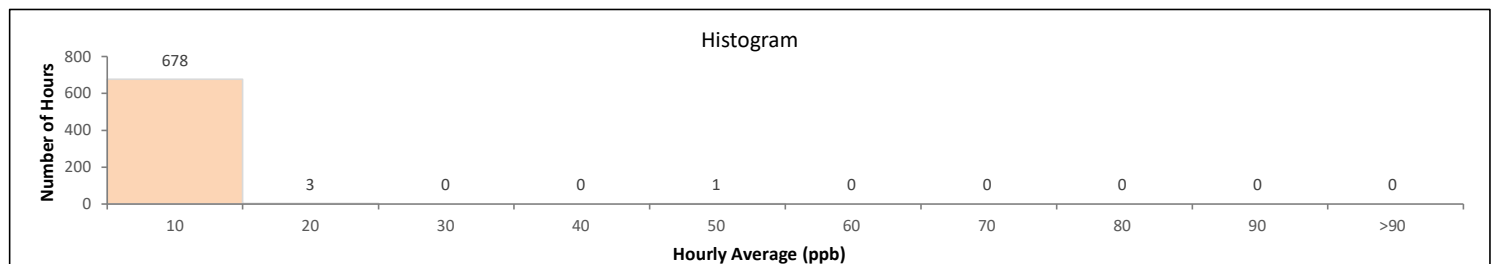
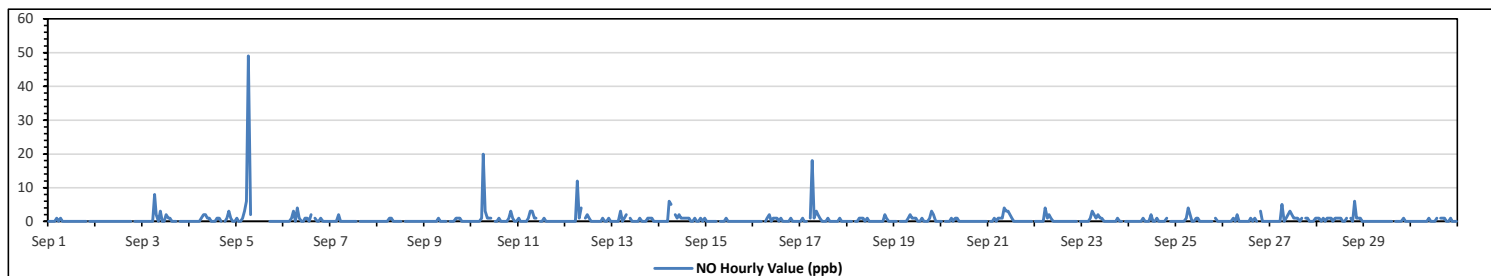
NITRIC OXIDE (NO) in ppb

Maximum Hourly Value:	49	ppb	on Sep 5 at hr 6	Hours in Service:	720
Maximum Daily Value:	1.4	ppb	on Sep 10	Hours of Data:	682
Minimum Hourly Value:	0	ppb	on Sep 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.0	ppb	on Sep 2	Hours of Calibration:	38
Monthly Average:	0.6	ppb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
Sep 1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0.1
Sep 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Sep 3	0	0	0	0	0	0	8	2	0	3	0	0	2	1	1	0	0	0	S	0	0	0	0	0	0	8	0.7	
Sep 4	0	0	0	0	0	0	1	2	2	1	1	0	0	0	1	1	0	S	0	1	3	1	0	0	0	3	0.6	
Sep 5	1	0	0	1	3	6	49	2	C	C	C	C	C	C	C	0	S	0	0	0	0	0	0	0	0	49	NA	
Sep 6	0	0	0	0	1	3	0	4	1	0	0	1	1	0	2	S	1	0	0	1	0	0	0	0	0	4	0.7	
Sep 7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	2	0.1	
Sep 8	0	0	0	0	0	0	1	1	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.1	
Sep 9	0	0	0	0	0	0	0	1	0	0	0	0	S	0	0	0	1	1	1	0	0	0	0	0	0	1	0.2	
Sep 10	0	0	0	0	0	1	20	3	1	1	1	S	0	0	1	0	0	0	0	1	3	1	0	0	0	20	1.4	
Sep 11	1	0	0	0	0	1	3	3	1	1	S	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0.5	
Sep 12	0	0	0	0	0	0	12	1	4	S	1	2	1	0	0	0	0	0	0	1	0	0	1	0	0	12	1.0	
Sep 13	0	0	0	0	3	0	1	2	S	1	0	0	0	0	1	0	0	0	1	1	1	0	0	0	0	3	0.5	
Sep 14	0	0	0	0	0	6	5	S	2	1	2	1	1	1	1	1	0	0	1	0	0	1	0	1	0	6	1.0	
Sep 15	0	0	0	0	0	0	S	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0	
Sep 16	0	0	0	0	0	S	0	1	2	0	1	1	1	1	0	1	0	0	0	1	0	0	0	0	0	2	0.3	
Sep 17	0	1	0	0	S	1	18	1	3	2	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	18	1.3	
Sep 18	0	0	0	S	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	2	1	0	0	0	0	2	0.3	
Sep 19	0	0	S	0	0	0	0	1	2	1	1	1	0	0	1	0	0	0	1	3	2	0	0	0	0	3	0.6	
Sep 20	0	S	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1	
Sep 21	S	0	0	1	0	1	1	1	4	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	S	4	0.8	
Sep 22	0	0	0	0	0	4	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	4	0.3	
Sep 23	0	0	0	0	1	3	2	1	2	1	1	0	0	0	0	0	0	0	1	0	0	S	0	0	0	3	0.5	
Sep 24	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	0	0	0	0	1	S	0	0	0	0	2	0.2	
Sep 25	0	0	0	0	0	1	4	2	0	0	1	1	0	0	0	0	0	0	S	1	0	0	0	0	0	4	0.4	
Sep 26	0	0	0	0	0	1	0	2	0	0	0	0	0	0	1	0	1	0	S	3	0	0	0	0	0	3	0.3	
Sep 27	0	0	0	0	0	5	0	1	2	3	2	1	1	1	1	0	1	S	1	1	0	0	0	1	0	5	0.9	
Sep 28	1	1	0	1	0	1	1	1	0	1	1	1	0	0	0	1	S	1	0	6	1	1	1	0	0	6	0.9	
Sep 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	1	0	0	0	0	1	0.0	
Sep 30	0	0	0	0	0	0	0	0	0	1	0	0	0	1	S	1	1	1	0	0	1	0	0	0	0	1	0.3	
Diurnal Maximum	1	1	0	1	3	6	49	4	4	3	3	2	2	1	2	1	1	1	1	6	3	1	1	1				
Diurnal Average	0.1	0.1	0.0	0.1	0.4	1.0	4.6	1.2	1.0	0.7	0.5	0.3	0.2	0.2	0.5	0.1	0.2	0.1	0.2	0.8	0.5	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	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)		P	Power Failure

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

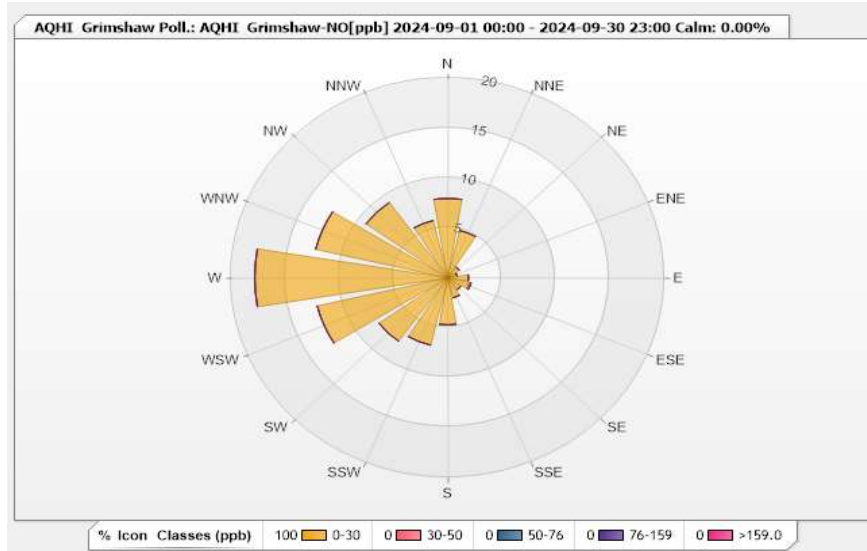


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO[ppb] Monthly: 09-2024

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

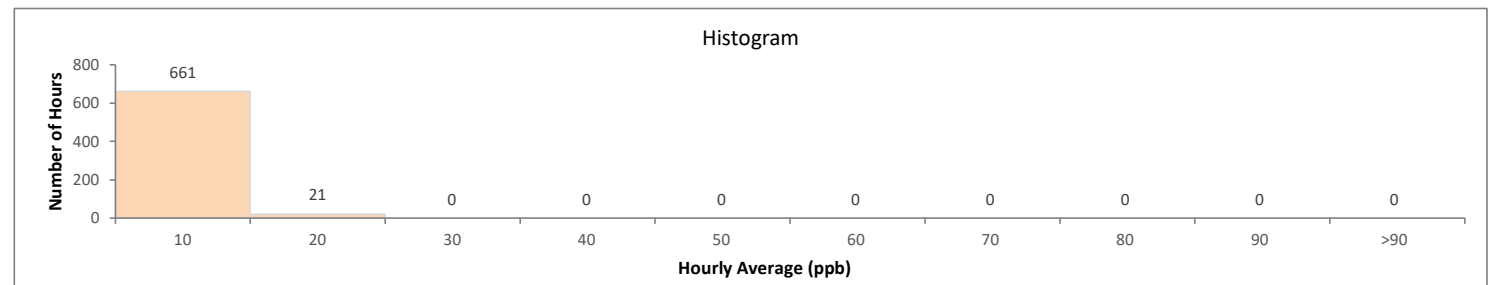
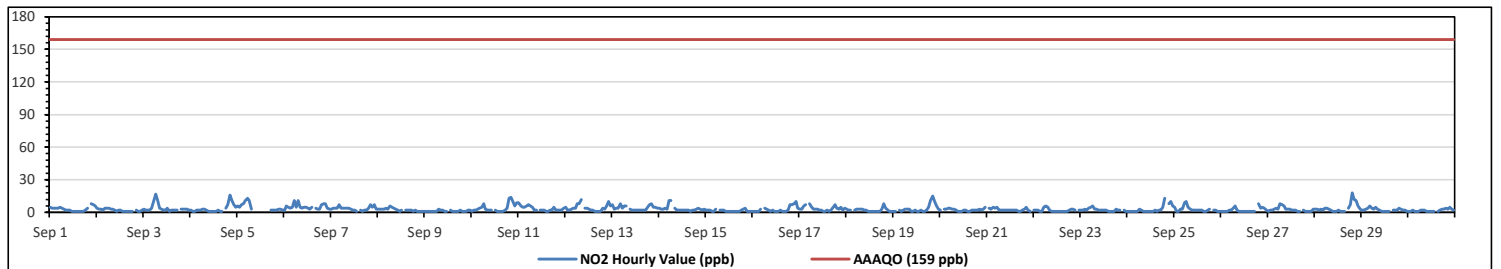
Calm: 0.00% Valid Data: 94.31% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	7.95	0	0	0	0	7.95
NNE	4.86	0	0	0	0	4.86
NE	1.33	0	0	0	0	1.33
ENE	0.88	0	0	0	0	0.88
E	1.91	0	0	0	0	1.91
ESE	2.06	0.15	0	0	0	2.21
SE	1.47	0	0	0	0	1.47
SSE	2.06	0	0	0	0	2.06
S	4.71	0	0	0	0	4.71
SSW	6.92	0	0	0	0	6.92
SW	7.81	0	0	0	0	7.81
WSW	12.37	0	0	0	0	12.37
W	17.82	0	0	0	0	17.82
WNW	12.52	0	0	0	0	12.52
NW	9.28	0	0	0	0	9.28
NNW	5.89	0	0	0	0	5.89
Summary	100	0.15	0	0	0	100



Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages
NITROGEN DIOXIDE (NO₂) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 159 ppb																																															
Number of 1-Hour Exceedances:		0																																													
Maximum Hourly Value:		18	ppb	on Sep 28 at hr 19										Hours in Service:		720																															
Maximum Daily Value:		5.2	ppb	on Sep 6										Hours of Data:		682																															
Minimum Hourly Value:		1	ppb	on Sep 1 at hr 11										Hours of Missing Data:		0																															
Minimum Daily Value:		1.3	ppb	on Sep 9										Hours of Calibration:		38																															
Monthly Average:		3.0	ppb											Operational Uptime:		100.0																															
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average																				
Sep 1	5	4	4	4	4	5	4	3	2	2	2	1	1	1	1	1	1	1	2	4	S	8	7	6	1	8	3.2																				
Sep 2	4	3	3	2	4	4	4	3	3	2	1	2	2	1	1	1	1	1	1	S	2	1	1	2	1	4	2.1																				
Sep 3	3	2	2	2	4	11	17	11	4	3	2	2	4	1	2	2	2	2	S	3	3	3	3	2	1	17	3.9																				
Sep 4	2	1	1	2	2	2	3	3	2	1	1	1	1	1	2	1	1	S	4	7	16	11	7	5	1	16	3.3																				
Sep 5	6	5	7	8	11	13	11	3	C	C	C	C	C	C	C	1	S	2	2	2	3	3	2	1	13	NA																					
Sep 6	2	6	5	4	5	11	5	11	5	4	5	5	4	3	5	S	S	4	3	3	7	8	8	4	3	2	11	5.2																			
Sep 7	3	4	4	4	7	4	4	4	4	4	3	2	2	2	1	S	2	1	2	2	4	7	5	7	3	1	7	3.6																			
Sep 8	3	3	3	3	4	3	6	5	4	3	2	1	2	S	2	2	2	2	1	2	1	1	1	1	1	6	2.5																				
Sep 9	1	1	1	1	1	1	1	3	2	2	1	1	S	2	1	1	1	1	2	1	1	1	2	2	1	3	1.3																				
Sep 10	1	2	2	3	4	5	8	3	2	2	2	S	2	1	1	1	1	2	4	13	14	10	6	9	1	14	4.3																				
Sep 11	9	6	5	5	6	7	6	5	2	2	S	2	2	2	1	1	1	2	2	5	2	2	2	4	1	9	3.6																				
Sep 12	5	2	2	3	4	4	8	8	12	S	4	4	3	2	2	1	1	1	1	4	3	6	10	6	1	12	4.2																				
Sep 13	7	3	4	4	8	4	6	6	S	3	2	2	2	2	2	2	2	2	2	5	7	8	5	5	4	2	8	4.1																			
Sep 14	4	3	3	4	3	11	11	S	4	2	2	2	2	2	2	2	2	1	2	2	3	4	3	2	3	1	11	3.3																			
Sep 15	2	2	2	1	1	3	S	2	2	2	1	1	1	1	1	1	1	1	1	2	3	4	1	1	1	1	4	1.6																			
Sep 16	1	1	1	1	3	S	4	3	2	1	2	1	1	1	1	2	1	1	1	2	7	7	8	10	4	1	10	2.8																			
Sep 17	3	3	6	7	S	8	5	3	3	3	2	2	1	1	2	1	2	5	7	4	3	5	2	4	1	8	3.6																				
Sep 18	3	2	2	S	2	3	3	3	3	3	2	2	1	1	1	1	1	1	3	8	4	2	1	1	1	8	2.2																				
Sep 19	1	1	S	2	1	2	3	3	3	1	1	2	1	1	1	2	1	1	2	5	11	15	10	6	3	1	15	3.4																			
Sep 20	2	S	3	3	4	4	3	3	2	1	1	1	2	2	1	1	2	2	2	3	2	3	5	1	5	2.3																					
Sep 21	S	4	3	5	4	5	2	2	2	2	2	2	2	2	2	2	1	1	2	3	5	2	1	S	1	5	2.5																				
Sep 22	2	2	2	1	1	5	6	5	2	1	1	1	1	1	1	1	1	1	1	2	3	3	2	S	2	1	6	2.0																			
Sep 23	2	2	3	2	4	5	6	3	3	2	2	2	2	2	1	1	1	1	3	2	2	S	2	1	1	6	2.3																				
Sep 24	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	2	1	2	2	5	13	S	8	10	6	1	13	2.9																			
Sep 25	5	1	1	3	3	9	10	5	3	2	2	2	2	2	2	1	1	2	3	S	2	2	1	1	1	10	2.8																				
Sep 26	1	1	1	1	2	2	4	6	2	1	1	1	1	1	1	1	1	1	S	8	4	5	4	2	1	8	2.3																				
Sep 27	1	2	2	3	4	3	8	7	6	3	3	3	2	2	2	1	1	1	S	2	1	1	1	3	1	8	2.7																				
Sep 28	3	3	2	3	2	4	4	3	2	1	1	1	2	1	2	1	1	S	4	7	18	12	11	6	3	1	18	4.1																			
Sep 29	2	2	3	4	6	4	3	5	3	2	1	1	1	1	1	1	S	2	2	4	3	2	2	1	1	6	2.5																				
Sep 30	1	1	2	1	1	1	2	2	2	1	1	1	1	1	1	S	1	2	3	3	4	3	5	3	2	1	5	1.9																			
Diurnal Maximum	9	6	7	8	11	13	17	11	12	4	5	5	4	3	5	2	4	5	7	18	16	11	10	9																							
Diurnal Average	2.9	2.5	2.8	3.0	3.7	5.0	5.5	4.3	3.1	2.0	1.8	1.7	1.8	1.4	1.6	1.2	1.4	1.9	3.0	5.4	5.1	4.6	3.9	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																								
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure																								
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																															
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																															

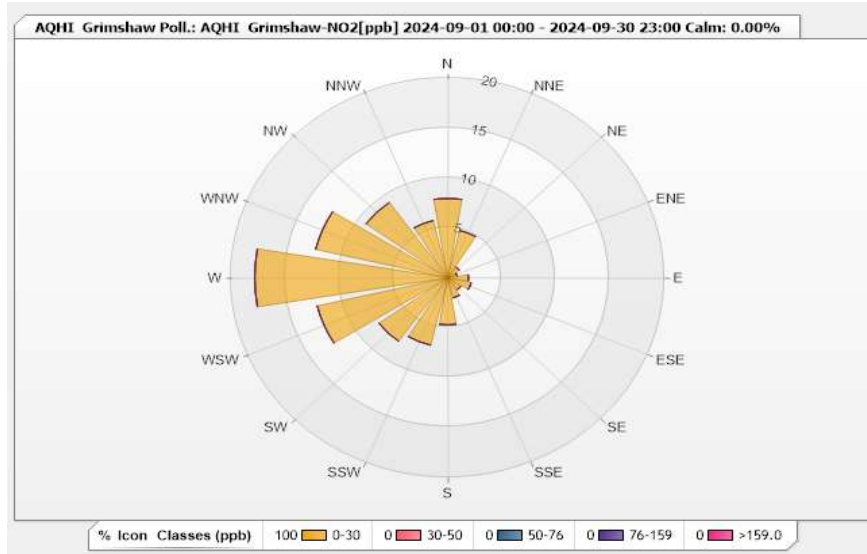


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO2[ppb] Monthly: 09-2024

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

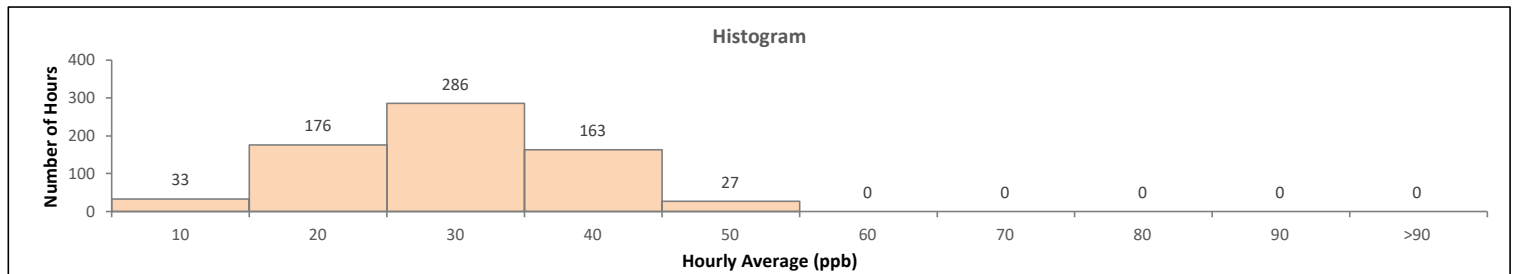
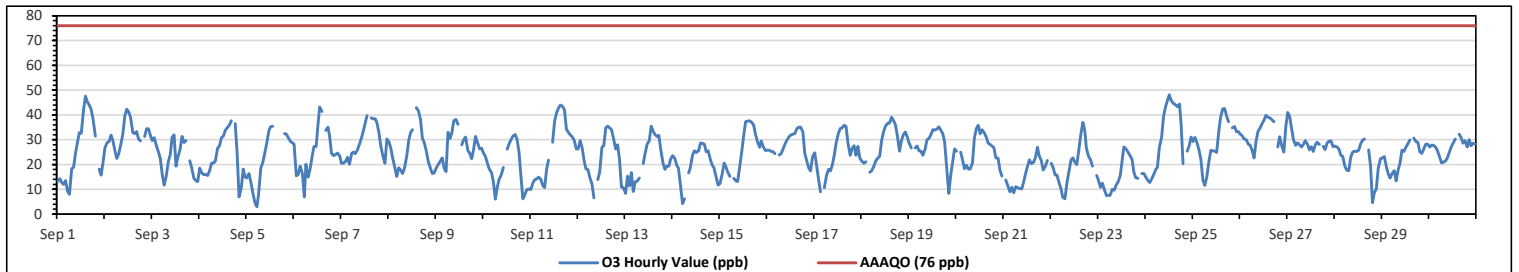
Calm: 0.00% Valid Data: 94.31% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	7.95	0	0	0	0	7.95
NNE	4.86	0	0	0	0	4.86
NE	1.33	0	0	0	0	1.33
ENE	0.88	0	0	0	0	0.88
E	1.91	0	0	0	0	1.91
ESE	2.21	0	0	0	0	2.21
SE	1.47	0	0	0	0	1.47
SSE	2.06	0	0	0	0	2.06
S	4.71	0	0	0	0	4.71
SSW	6.92	0	0	0	0	6.92
SW	7.81	0	0	0	0	7.81
WSW	12.37	0	0	0	0	12.37
W	17.82	0	0	0	0	17.82
WNW	12.52	0	0	0	0	12.52
NW	9.28	0	0	0	0	9.28
NNW	5.89	0	0	0	0	5.89
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages
OZONE (O₃) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 76 ppb																																													
Number of 1-Hour Exceedances: 0																																													
Maximum Hourly Value: 48.1 ppb on Sep 24 at hr 12														Hours in Service: 720																															
Maximum Daily Value: 32.1 ppb on Sep 26														Hours of Data: 685																															
Minimum Hourly Value: 2.9 ppb on Sep 5 at hr 5														Hours of Missing Data: 0																															
Minimum Daily Value: 15.4 ppb on Sep 23														Hours of Calibration: 35																															
Monthly Average: 24.8 ppb														Operational Uptime: 100.0																															
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average																		
Sep 1	13.3	14.3	12.7	11.9	13.6	9.3	8	18.3	19	24.6	28.9	32.9	32.7	41.9	47.6	45.3	44	42.2	38.2	31.5	S	18.2	15.7	20.9	8.0	47.6	25.4																		
Sep 2	26.8	28.8	29.3	31.8	29.5	25.7	22.4	24.3	28.4	32.4	39.5	42.3	41.3	39.1	32.9	32.5	33.3	30.4	29.5	S	31.3	34.5	34.4	31.7	22.4	42.3	31.8																		
Sep 3	29.7	30.8	27.4	25.1	22.4	16	11.7	14.9	21.2	24	31.1	32	19.4	23.2	25.7	31.3	28.8	29.7	S	21.6	18.7	14.4	13.6	13.2	11.7	32.0	22.9																		
Sep 4	18.6	16.7	15.9	15.9	15.6	17.6	20.5	20.6	21.4	26.5	27.6	30.8	31.5	33.8	34.8	36	37.6	S	36.5	24.6	7	10.5	18.2	15	7.0	37.6	23.2																		
Sep 5	14.6	16.3	12.9	8.7	4.5	2.9	8.1	18.6	20.7	24.3	28.9	33.4	35.2	35.4	C	C	C	C	C	32.6	32.2	30.8	29.2	28.7	2.9	35.4	22.0																		
Sep 6	28.3	15.5	16	19.4	16.4	7	20.1	14.9	18.1	22.9	27.2	27.3	35	43.3	41.4	S	33.8	38.4	38.4	36.8	33	27.4	23.2	20.5	30.3	20.1	39.7	28.7																	
Sep 7	20.5	20.4	21.3	22.9	20.1	24.4	25	24.3	26	28.1	30.5	33.8	36.7	39.7	S	38.8	38.4	38.4	36.8	33	27.4	23.2	20.5	30.3	20.1	39.7	28.7																		
Sep 8	29.2	26.8	22.6	18.7	15.2	18.7	17.8	16.3	18.6	23.3	29.5	32.9	34	S	43	41.5	38.2	30.6	28.7	25.6	21.4	18.6	16.3	16.6	15.2	43.0	25.4																		
Sep 9	18.5	20	21.2	22.7	18.4	17.2	33	30.5	32.8	37.7	38.2	36.2	S	28	30	31.1	25.7	24.4	22.3	26.1	31.3	28.9	26.3	26.5	17.2	38.2	27.3																		
Sep 10	24.6	23.2	20.6	18.1	16.8	12.9	6	10.8	14.2	15.7	18.8	S	26.2	28.4	30	31.4	32.1	30.1	24.9	15.2	6.1	7.8	9.8	10.2	6.0	32.1	18.9																		
Sep 11	9.9	12.5	13.9	14.1	14.9	14	11.6	10.7	17.9	21.8	S	29	37.4	40.8	42.7	44	43.5	42	34.3	33	32	31.2	29.9	26.3	9.9	44.0	26.4																		
Sep 12	26.4	29.7	26.9	21.8	18.3	18	14.4	12.1	6.6	S	13.9	16.9	26.9	27.8	34.8	35.5	34.8	34	30.1	26.4	28	22.1	11	10.7	6.6	35.5	22.9																		
Sep 13	8.4	15.3	11.4	16.7	9.2	13	13.4	14.6	S	20.3	24.5	28.2	29.7	35.4	33.5	32.3	31.3	31.7	26	20.5	18	19.4	19.4	22.2	8.4	35.4	21.5																		
Sep 14	23.6	22.4	19.6	18.6	11.1	4.3	6.2	S	16.6	18.5	23.7	25.6	24.9	25.5	28.6	28.6	28.3	25.1	25.5	22	19.7	18.7	14.9	11.7	4.3	28.6	20.2																		
Sep 15	12.3	15.7	20.6	19.2	17	15.2	S	14.4	13.4	13.1	18.5	25.2	31.6	37.2	37.5	37.6	37.1	36	32.1	29.2	26.9	29.5	27.2	25.7	12.3	37.6	24.9																		
Sep 16	25.8	25.8	25.2	25.1	24.3	S	23.9	24.3	26.5	28.3	29.8	31	32	32.3	32.6	34.4	35.1	35.1	33.1	24.4	21.6	18.7	17.4	23.1	17.4	35.1	27.4																		
Sep 17	24.7	19.5	14	9.1	S	10.7	15.6	18	17.4	19.9	23.8	28.7	32.7	34.6	34.9	35.9	35.3	28.5	23.8	26.5	27.6	23.7	27.3	22.5	9.1	35.9	24.1																		
Sep 18	21.4	20.4	21.1	S	16.9	17.5	19.1	21.5	22.5	23.4	29.6	33.1	35.4	36.6	36.8	39.1	37.8	36.1	31.9	25.4	29.7	32	33.1	31.2	16.9	39.1	28.3																		
Sep 19	28.6	26.6	S	26.7	27.5	25.5	25.4	23.7	26.4	30.1	30.6	32	34.1	33.9	34.3	35.2	33.9	32.6	29.1	19.4	8.3	15.7	21	26.3	8.3	35.2	27.3																		
Sep 20	25.4	S	25	21.9	18.3	19.7	18.2	18.2	20.8	30.7	34.4	35.9	32.4	34.1	32.8	31.1	28.6	28.1	27.5	26.8	22.7	22.5	17.7	15.4	15.4	35.9	25.6																		
Sep 21	S	13.7	11.6	9	10.8	8.7	11.1	10.7	10.3	10.2	13	16.3	19.4	21.9	20.3	20.9	22.9	26.9	23.4	21.7	17.8	19.4	21.7	S	8.7	26.9	16.4																		
Sep 22	20.5	18.8	15.8	15.7	12.5	10	6.8	6.1	12.5	16.9	22	22.7	21.2	20	25.6	31.7	37	33.7	26.5	23.2	21.9	19.4	S	15.6	6.1	37.0	19.8																		
Sep 23	13.9	10.8	12.5	9.9	7.4	7.5	7.5	10	9.6	11.7	13.3	15.7	20.9	27	26.3	25	23.8	21.9	17.1	14.7	14.4	S	16.4	16.3	7.4	27.0	15.4																		
Sep 24	15.1	13.8	12.7	14.1	15.8	18	18.9	26.9	30.9	39.3	43.1	46.1	48.1	45.8	44.6	44.1	43.4	44.3	36.2	20.3	S	25.4	27.5	31	12.7	48.1	30.7																		
Sep 25	29.2	30.9	29	25.8	21.9	13.7	11.6	14.8	20.4	25.8	25.5	25.4	24.9	32.5	38.8	42.5	42.6	39.6	37.2	S	34.8	35.3	33.2	33.3	11.6	42.6	29.1																		
Sep 26	32.3	31.6	30.4	29.9	28.3	27.7	25.7	22.6	29.2	33.2	34.8	36.5	37.9	39.9	39.1	38.8	38	37.2	S	27	31.2	27.7	25	35.1	22.6	39.9	32.1																		
Sep 27	41	39.4	34.7	30.1	27.8	28.7	28	27.1	28.2	29.6	28.1	26	27.2	25.3	27.9	29	28.2	S	27.3	26.1	28.6	29.4	29.5	27.2	25.3	41.0	29.3																		
Sep 28	27.5	27.1	26.4	23.7	23.3	19.2	17.7	17.5	23	25	25.4	25.2	25.8	28.4	29.8	30.4	S	25.9	19.3	4.7	8.8	10.1	18.5	22.3	4.7	30.4	22.0																		
Sep 29	22.7	23.2	19.3	16.4	14.5	16.5	17.6	13.4	17.8	20.4	25.8	25.2	27	28.5	29.9	S	30.7	29.4	28.8	25.1	24.5	26.2	28.1	28.3	13.4	30.7	23.4																		
Sep 30	27.1	27.9	27.8	27.1	25.7	23.4	20.6	21	21.4	22.6	24.8	27	28.9	30.4	S	32.2	30.8	28.6	29.6	27	30.1	27.6	28.6	28.3	20.6	32.2	26.9																		
Diurnal Maximum	41.0	39.4	34.7	31.8	29.5	28.7	33.0	30.5	32.8	39.3	43.1	46.1	48.1	45.8	47.6	45.3	44.0	44.3	38.2	33.0	34.8	35.3	34.4	35.1																					
Diurnal Average	22.8	22.0	20.6	19.7	17.9	16.0	16.8	18.0	20.4	24.1	27.1	29.4	30.7	32.8	33.9	34.7	34.1	32.5	29.2	24.2	23.1	22.9	22.6	23.1																					
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.																																													

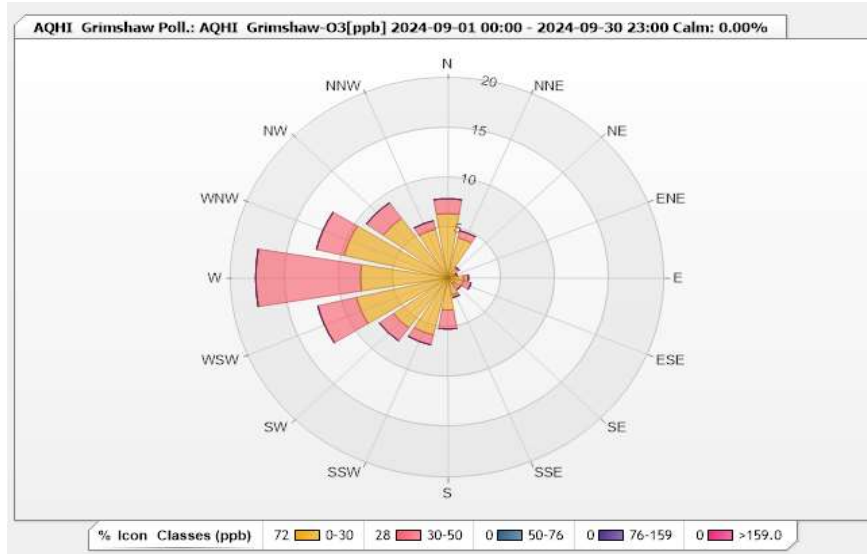


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-O3[ppb] Monthly: 09-2024

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

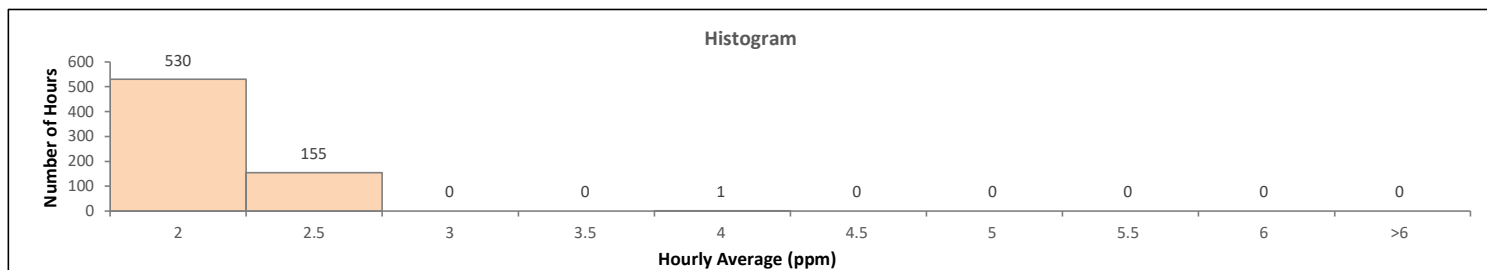
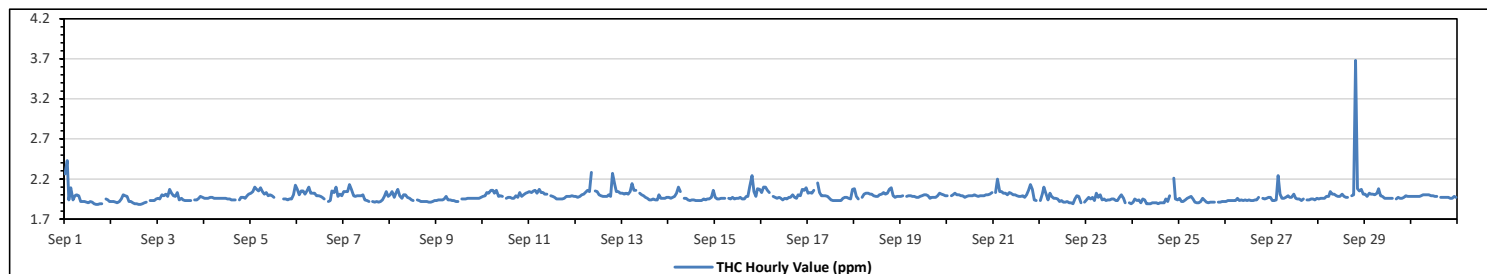
Calm: 0.00% Valid Data: 94.72% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	6.45	1.47	0	0	0	7.92
NNE	4.11	0.73	0	0	0	4.84
NE	1.17	0.15	0	0	0	1.32
ENE	0.59	0.29	0	0	0	0.88
E	1.47	0.44	0	0	0	1.91
ESE	1.47	0.73	0	0	0	2.2
SE	0.73	0.73	0	0	0	1.46
SSE	1.76	0.29	0	0	0	2.05
S	3.23	1.91	0	0	0	5.14
SSW	5.87	1.03	0	0	0	6.9
SW	6.16	1.61	0	0	0	7.77
WSW	8.65	3.67	0	0	0	12.32
W	8.06	9.68	0	0	0	17.74
WNW	9.82	2.64	0	0	0	12.46
NW	7.33	1.91	0	0	0	9.24
NNW	4.99	0.88	0	0	0	5.87
Summary	71.86	28.16	0	0	0	100



Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages
TOTAL HYDROCARBONS (THC) in ppm

Maximum Hourly Value:	3.68	ppm	on Sep 28 at hr 19	Hours in Service:	720																													
Maximum Daily Value:	2.07	ppm	on Sep 28	Hours of Data:	686																													
Minimum Hourly Value:	1.88	ppm	on Sep 1 at hr 16	Hours of Missing Data:	0																													
Minimum Daily Value:	1.92	ppm	on Sep 2	Hours of Calibration:	34																													
Monthly Average:	1.98	ppm		Operational Uptime:	100.0																													
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average								
Sep 1	2.26	2.43	1.94	2.09	1.94	1.99	2.00	1.99	1.92	1.92	1.92	1.91	1.90	1.92	1.91	1.89	1.88	1.88	1.89	1.89	S	1.95	1.94	1.92	1.88	2.43	1.97							
Sep 2	1.92	1.92	1.91	1.90	1.92	1.95	2.00	1.99	1.98	1.92	1.92	1.90	1.89	1.89	1.88	1.88	1.89	1.90	1.91	S	1.93	1.93	1.93	1.95	1.88	2.00	1.92							
Sep 3	1.96	1.95	2.00	1.99	2.01	1.98	2.07	2.02	1.99	1.98	2.03	1.94	1.96	1.94	1.93	1.93	1.93	1.93	S	1.94	1.94	1.96	1.98	1.97	1.93	2.07	1.97							
Sep 4	1.96	1.96	1.96	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.94	1.94	1.94	S	1.94	1.97	1.97	1.96	1.99	2.01	1.94	2.01	1.96							
Sep 5	2.02	2.04	2.10	2.07	2.05	2.09	2.04	2.01	2.03	1.99	2.00	1.99	1.97	C	C	C	C	1.95	1.95	1.94	1.95	1.95	2.00	2.12	1.94	2.12	2.01							
Sep 6	2.07	2.00	2.05	2.05	2.01	2.05	2.10	2.02	2.02	2.02	1.99	1.99	1.98	1.97	1.95	S	1.92	1.93	2.05	2.03	2.10	1.98	2.01	1.99	1.92	2.10	2.01							
Sep 7	2.04	2.04	2.04	2.13	2.07	1.99	1.98	1.99	1.99	1.99	2.00	1.94	1.93	1.92	S	1.92	1.91	1.92	1.91	1.92	1.94	1.98	2.04	1.98	1.91	2.13	1.98							
Sep 8	2.00	2.04	1.97	2.02	2.07	1.99	1.96	2.00	2.00	1.97	1.96	1.94	1.93	S	1.94	1.93	1.92	1.92	1.92	1.92	1.91	1.91	1.92	1.93	1.91	2.07	1.96							
Sep 9	1.93	1.94	1.94	1.94	1.95	1.98	1.94	1.94	1.93	1.93	1.92	1.92	S	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.92	1.98	1.95							
Sep 10	1.98	1.99	2.03	2.02	2.06	2.06	2.02	2.06	1.98	1.99	1.98	S	1.96	1.97	1.97	1.96	1.96	1.99	1.97	2.03	1.98	2.00	2.02	2.03	1.96	2.06	2.00							
Sep 11	2.04	2.03	2.05	2.06	2.02	2.07	2.03	2.03	2.01	2.01	S	1.99	1.98	1.97	1.95	1.95	1.95	1.95	1.96	1.98	1.98	1.98	1.99	1.98	1.95	2.07	2.00							
Sep 12	1.98	1.97	1.98	2.00	2.01	2.03	2.06	2.04	2.28	S	2.05	2.04	2.00	1.99	1.98	1.98	1.98	2.00	1.98	2.27	2.13	2.04	2.04	2.02	1.97	2.28	2.04							
Sep 13	2.02	2.01	2.02	2.01	2.04	2.14	2.06	2.06	S	2.02	2.00	1.99	1.97	1.96	1.94	1.94	1.95	1.94	1.94	2.00	1.96	1.96	1.96	1.97	1.94	2.14	1.99							
Sep 14	1.97	1.96	1.97	1.98	2.02	2.10	2.04	S	1.96	1.96	1.94	1.93	1.94	1.94	1.93	1.93	1.93	1.93	1.95	1.94	1.95	1.95	1.97	2.06	1.93	2.10	1.97							
Sep 15	1.97	1.95	1.95	1.96	1.96	1.96	S	1.96	1.95	1.97	1.95	1.96	1.96	1.97	1.95	1.95	1.98	1.98	2.11	2.24	2.04	1.98	2.08	2.07	1.95	2.24	1.99							
Sep 16	2.03	2.10	2.10	2.06	2.03	S	1.98	1.97	1.96	1.97	1.96	1.94	1.96	1.95	1.97	1.97	2.00	1.97	1.96	2.00	1.99	2.07	2.06	2.09	1.94	2.10	2.00							
Sep 17	2.02	2.03	2.02	2.06	S	2.15	2.03	1.99	1.99	1.99	1.98	1.96	1.94	1.93	1.93	1.93	1.93	1.93	1.96	1.97	1.97	1.96	1.95	2.07	1.93	2.15	1.99							
Sep 18	2.08	1.98	1.95	S	1.97	2.01	2.02	2.02	2.01	2.01	1.99	1.98	1.98	2.00	2.01	2.03	2.01	2.02	2.07	2.09	1.99	1.97	1.98	1.98	1.95	2.09	2.01							
Sep 19	1.98	1.99	S	1.98	1.99	1.99	1.98	1.98	1.97	1.97	1.98	1.99	2.00	2.00	1.99	1.96	1.97	1.97	1.97	1.99	2.02	2.01	2.00	1.99	1.96	2.02	1.99							
Sep 20	1.99	S	1.99	2.00	2.02	2.00	2.00	1.99	1.99	1.97	1.98	1.99	1.99	1.99	2.00	1.99	1.98	1.99	1.99	1.99	2.00	2.00	2.01	2.03	1.97	2.03	1.99							
Sep 21	S	2.03	2.20	2.04	2.04	2.02	2.02	2.00	2.03	2.02	2.00	2.00	1.99	1.98	1.98	1.99	1.97	2.00	2.06	2.13	2.07	1.94	1.93	S	1.93	2.20	2.02							
Sep 22	1.93	2.01	2.10	2.02	1.94	2.02	1.98	1.96	1.96	1.95	1.92	1.93	1.91	1.91	1.92	1.90	1.90	1.89	1.95	1.99	1.98	1.90	S	1.91	1.89	2.10	1.95							
Sep 23	1.94	1.97	1.95	1.97	1.93	2.02	1.97	2.00	1.94	1.95	1.93	1.94	1.94	1.95	1.95	1.93	1.93	1.97	2.00	1.96	1.90	S	1.90	1.89	1.89	2.02	1.95							
Sep 24	1.91	1.95	1.93	1.94	1.90	1.95	1.94	1.89	1.89	1.89	1.90	1.90	1.90	1.89	1.90	1.90	1.90	1.95	1.92	1.99	S	2.21	1.95	1.94	1.89	2.21	1.93							
Sep 25	1.96	1.92	1.92	1.94	1.96	1.97	1.98	1.95	1.91	1.90	1.90	1.92	1.96	1.93	1.91	1.90	1.91	1.91	1.91	S	1.91	1.91	1.92	1.92	1.90	1.98	1.93							
Sep 26	1.92	1.93	1.93	1.93	1.93	1.93	1.96	1.93	1.94	1.93	1.94	1.93	1.94	1.93	1.93	1.94	1.94	1.97	S	1.96	1.95	1.96	1.97	1.97	1.92	1.97	1.94							
Sep 27	1.93	1.93	1.94	2.24	2.01	1.96	1.96	1.97	1.99	1.97	1.97	2.01	1.96	1.95	1.95	1.93	1.95	S	1.94	1.94	1.95	1.95	1.94	1.96	1.93	2.24	1.97							
Sep 28	1.95	1.96	1.96	1.96	1.98	1.98	2.04	2.01	2.01	1.99	1.98	1.98	2.01	1.98	1.97	1.97	S	1.99	2.00	3.68	2.08	2.05	2.07	2.01	1.95	3.68	2.07							
Sep 29	2.01	1.98	2.02	2.01	2.01	2.00	2.02	2.08	1.99	1.98	1.96	1.96	1.96	1.96	1.96	S	1.95	1.97	1.96	1.96	1.97	1.99	1.98	1.98	1.95	2.08	1.99							
Sep 30	1.98	1.98	1.98	1.98	1.98	1.99	2.00	2.00	2.00	2.00	1.99	1.99	1.98	1.98	1.98	S	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.98	1.97	1.96	2.00	1.98						
Diurnal Maximum	2.26	2.43	2.20	2.24	2.07	2.15	2.10	2.08	2.28	2.02	2.05	2.04	2.01	2.00	2.01	2.03	2.01	2.02	2.11	3.68	2.13	2.21	2.08	2.12										
Diurnal Average	1.99	2.00	2.00	2.01	1.99	2.01	2.00	1.99	1.99	1.97	1.97	1.96	1.96	1.95	1.95	1.94	1.94	1.95	1.97	2.06	1.98	1.98	1.98	1.99										
C	Monthly Calibration						S	Daily Zero-Span Check										Q	Quality Assurance															
K	Collection Error						ND	No Data (Machine Not in Service)										Y	Routine Maintenance										P	Power Failure				
X	InValid Data (Equipment Malfunction / Recovery)						NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)																										
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																		
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																		

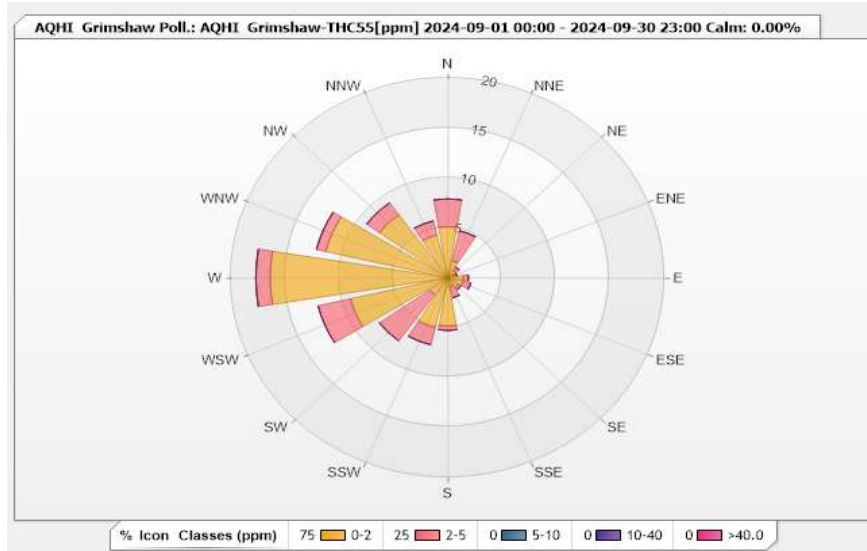


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-THC55[ppm] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 94.86% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	5.12	2.78	0	0	0	7.9
NNE	1.76	3.07	0	0	0	4.83
NE	0.88	0.44	0	0	0	1.32
ENE	0.59	0.29	0	0	0	0.88
E	1.46	0.44	0	0	0	1.9
ESE	1.46	0.73	0	0	0	2.19
SE	1.17	0.29	0	0	0	1.46
SSE	0.88	1.17	0	0	0	2.05
S	4.83	0.44	0	0	0	5.27
SSW	5.12	1.76	0	0	0	6.88
SW	2.05	5.71	0	0	0	7.76
WSW	9.22	3.07	0	0	0	12.29
W	16.4	1.32	0	0	0	17.72
WNW	11.57	0.88	0	0	0	12.45
NW	7.76	1.46	0	0	0	9.22
NNW	4.39	1.46	0	0	0	5.85
Summary	74.66	25.31	0	0	0	100



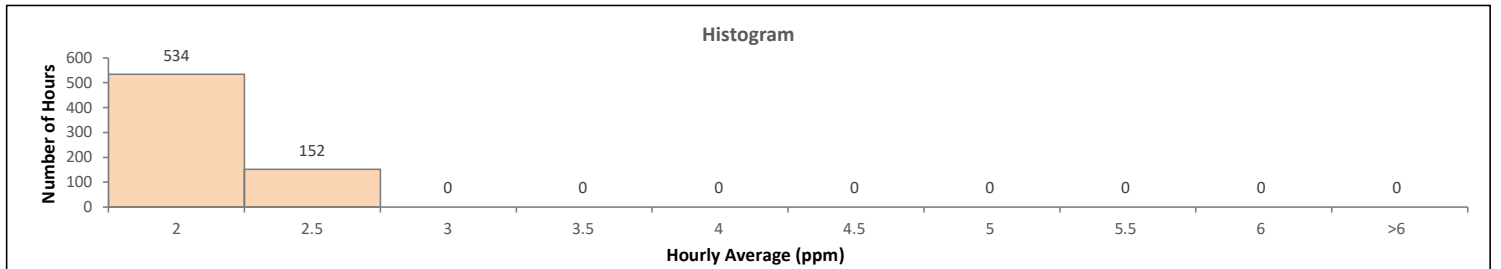
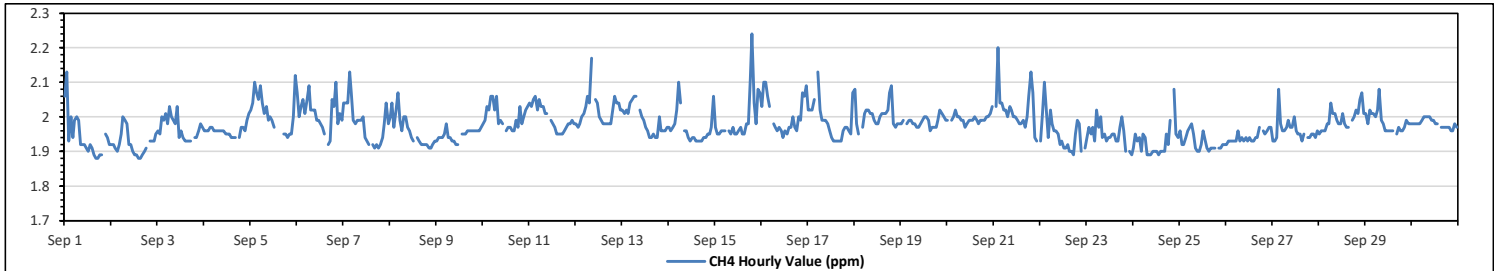
Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages
METHANE (CH4) in ppm

Maximum Hourly Value:	2.24	ppm	on Sep 15 at hr 19	Hours in Service:	720
Maximum Daily Value:	2.02	ppm	on Sep 21	Hours of Data:	686
Minimum Hourly Value:	1.88	ppm	on Sep 1 at hr 16	Hours of Missing Data:	0
Minimum Daily Value:	1.92	ppm	on Sep 2	Hours of Calibration:	34
Monthly Average:	1.98	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Sep 1	2.06	2.13	1.93	2.00	1.94	1.99	2.00	1.99	1.92	1.92	1.92	1.91	1.90	1.92	1.91	1.89	1.88	1.88	1.89	1.89	S	1.95	1.94	1.92	1.88	2.13	1.94
Sep 2	1.92	1.92	1.91	1.90	1.92	1.95	2.00	1.99	1.98	1.92	1.92	1.90	1.89	1.89	1.88	1.88	1.89	1.90	1.91	S	1.93	1.93	1.93	1.95	1.88	2.00	1.92
Sep 3	1.96	1.95	2.00	1.99	2.01	1.98	2.03	2.00	1.99	1.98	2.03	1.94	1.96	1.94	1.93	1.93	1.93	1.93	S	1.94	1.94	1.96	1.98	1.97	1.93	2.03	1.97
Sep 4	1.96	1.96	1.96	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.94	1.94	1.94	S	1.94	1.97	1.97	1.96	1.99	2.01	1.94	2.01	1.96
Sep 5	2.02	2.04	2.10	2.07	2.05	2.09	2.04	2.01	2.03	1.99	2.00	1.99	1.97	C	C	C	C	1.95	1.95	1.94	1.95	1.95	2.00	2.12	1.94	2.12	2.01
Sep 6	2.07	2.00	2.03	2.05	2.01	2.05	2.09	2.02	2.02	2.02	1.99	1.99	1.98	1.97	1.95	S	1.92	1.93	2.05	2.03	2.10	1.98	2.01	1.99	1.92	2.10	2.01
Sep 7	2.04	2.04	2.04	2.13	2.07	1.99	1.98	1.99	1.99	1.99	2.00	1.94	1.93	1.92	S	1.92	1.91	1.92	1.91	1.92	1.94	1.98	2.04	1.98	1.91	2.13	1.98
Sep 8	2.00	2.04	1.97	2.02	2.07	1.99	1.96	2.00	2.00	1.97	1.96	1.94	1.93	S	1.94	1.93	1.92	1.92	1.92	1.92	1.91	1.91	1.92	1.93	1.91	2.07	1.96
Sep 9	1.93	1.94	1.94	1.94	1.95	1.98	1.94	1.94	1.93	1.93	1.92	1.92	S	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.92	1.98	1.95
Sep 10	1.98	1.99	2.03	2.02	2.06	2.06	2.02	2.06	1.98	1.99	1.98	S	1.96	1.97	1.97	1.96	1.96	1.99	1.97	2.03	1.98	2.00	2.02	2.03	1.96	2.06	2.00
Sep 11	2.04	2.03	2.05	2.06	2.02	2.05	2.03	2.03	2.01	2.01	S	1.99	1.98	1.97	1.95	1.95	1.95	1.95	1.96	1.97	1.98	1.98	1.99	1.98	1.95	2.06	2.00
Sep 12	1.98	1.97	1.98	2.00	2.01	2.03	2.06	2.04	2.17	S	2.05	2.04	2.00	1.99	1.98	1.98	1.98	1.98	1.98	2.02	2.06	2.04	2.04	2.02	1.97	2.17	2.02
Sep 13	2.02	2.01	2.02	2.01	2.04	2.05	2.06	2.06	S	2.02	2.00	1.99	1.97	1.96	1.94	1.94	1.95	1.94	1.94	2.00	1.96	1.96	1.96	1.97	1.94	2.06	1.99
Sep 14	1.97	1.96	1.97	1.98	2.02	2.10	2.04	S	1.96	1.96	1.94	1.93	1.94	1.94	1.93	1.93	1.93	1.94	1.94	1.95	1.95	1.97	2.06	1.93	2.10	1.97	
Sep 15	1.97	1.95	1.95	1.96	1.96	1.96	S	1.96	1.95	1.97	1.95	1.95	1.96	1.97	1.95	1.95	1.98	1.98	2.11	2.24	2.04	1.98	2.08	2.07	1.95	2.24	1.99
Sep 16	2.03	2.10	2.10	2.06	2.03	S	1.98	1.97	1.96	1.97	1.96	1.94	1.96	1.95	1.97	1.97	2.00	1.97	1.96	2.00	1.99	2.07	2.06	2.09	1.94	2.10	2.00
Sep 17	2.02	2.02	2.02	2.05	S	2.13	2.02	1.99	1.99	1.99	1.98	1.96	1.94	1.93	1.93	1.93	1.93	1.96	1.97	1.97	1.97	1.96	1.95	2.07	1.93	2.13	1.98
Sep 18	2.08	1.98	1.95	S	1.97	2.01	2.02	2.02	2.01	2.01	1.99	1.98	1.98	2.00	2.01	2.01	2.01	2.02	2.07	2.09	1.98	1.97	1.98	1.98	1.95	2.09	2.01
Sep 19	1.98	1.99	S	1.98	1.99	1.99	1.98	1.98	1.97	1.97	1.98	1.99	2.00	2.00	1.99	1.96	1.97	1.97	1.97	1.99	2.02	2.01	2.00	1.99	1.96	2.02	1.99
Sep 20	1.99	S	1.99	2.00	2.02	2.00	2.00	1.99	1.99	1.97	1.98	1.99	1.99	1.99	2.00	1.99	1.98	1.99	1.99	1.99	2.00	2.00	2.01	2.03	1.97	2.03	1.99
Sep 21	S	2.03	2.20	2.04	2.04	2.02	2.02	2.00	2.03	2.02	2.00	2.00	1.99	1.98	1.98	1.99	1.97	2.00	2.06	2.13	2.07	1.94	1.93	S	1.93	2.20	2.02
Sep 22	1.93	2.01	2.10	2.02	1.94	2.02	1.98	1.96	1.96	1.95	1.92	1.93	1.91	1.91	1.92	1.90	1.90	1.89	1.95	1.99	1.98	1.90	S	1.91	1.89	2.10	1.95
Sep 23	1.94	1.97	1.95	1.97	1.93	2.02	1.97	2.00	1.94	1.95	1.93	1.94	1.94	1.95	1.95	1.93	1.93	1.97	2.00	1.96	1.90	S	1.90	1.89	1.89	2.02	1.95
Sep 24	1.91	1.95	1.93	1.94	1.90	1.95	1.94	1.89	1.89	1.89	1.90	1.90	1.90	1.89	1.90	1.90	1.90	1.95	1.92	1.99	S	2.08	1.95	1.94	1.89	2.08	1.93
Sep 25	1.96	1.92	1.92	1.94	1.96	1.97	1.98	1.95	1.91	1.90	1.90	1.92	1.96	1.93	1.91	1.90	1.91	1.91	1.91	S	1.91	1.91	1.92	1.92	1.90	1.98	1.93
Sep 26	1.92	1.93	1.93	1.93	1.93	1.93	1.96	1.93	1.94	1.93	1.94	1.93	1.94	1.93	1.93	1.94	1.94	1.97	S	1.96	1.95	1.96	1.97	1.97	1.92	1.97	1.94
Sep 27	1.93	1.93	1.94	2.08	1.98	1.96	1.96	1.97	1.99	1.97	1.97	2.00	1.96	1.95	1.95	1.93	1.95	S	1.94	1.94	1.95	1.95	1.94	1.96	1.93	2.08	1.96
Sep 28	1.95	1.96	1.96	1.96	1.98	1.98	2.04	2.01	2.01	1.99	1.98	1.98	2.01	1.98	1.97	1.97	S	1.99	2.00	2.02	2.01	2.05	2.07	2.01	1.95	2.07	1.99
Sep 29	2.01	1.98	2.02	2.01	2.01	2.00	2.02	2.08	1.99	1.98	1.96	1.96	1.96	1.96	S	1.95	1.97	1.96	1.96	1.96	1.97	1.99	1.98	1.98	1.95	2.08	1.99
Sep 30	1.98	1.98	1.98	1.98	1.98	1.99	2.00	2.00	2.00	2.00	1.99	1.99	1.98	1.98	S	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.98	1.97	1.96	2.00	1.98
Diurnal Maximum	2.08	2.13	2.20	2.13	2.07	2.13	2.09	2.08	2.17	2.02	2.05	2.04	2.01	2.00	2.01	2.01	2.01	2.02	2.11	2.24	2.10	2.08	2.08	2.12			
Diurnal Average	1.98	1.99	2.00	2.00	1.99	2.01	2.00	1.99	1.98	1.97	1.97	1.96	1.96	1.95	1.95	1.94	1.94	1.95	1.97	1.99	1.98	1.97	1.98	1.99			

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

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

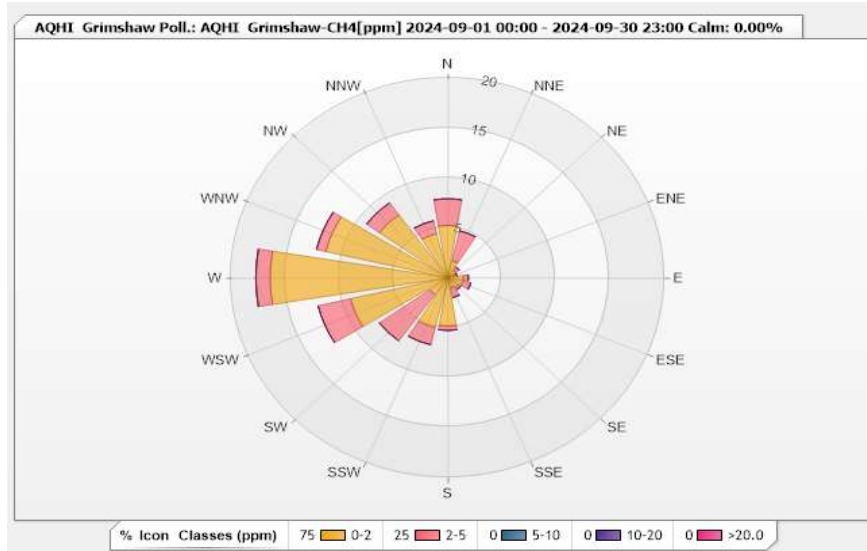


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-CH4[ppm] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 94.86% Calm Avg: 0.00 [ppm]

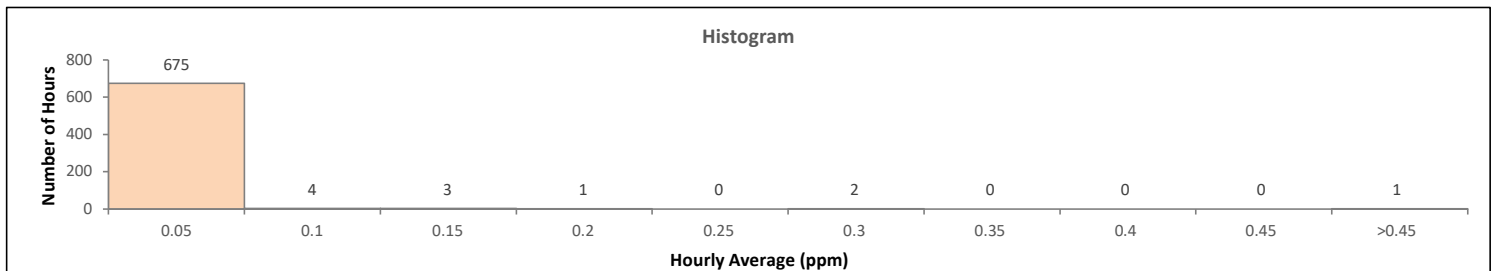
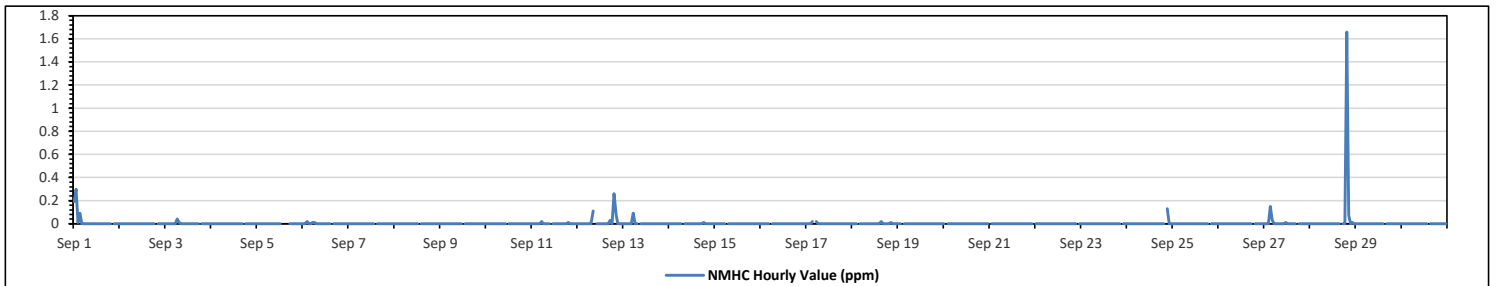
Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	5.27	2.64	0	0	0	7.91
NNE	1.76	3.07	0	0	0	4.83
NE	0.88	0.44	0	0	0	1.32
ENE	0.59	0.29	0	0	0	0.88
E	1.46	0.44	0	0	0	1.9
ESE	1.46	0.73	0	0	0	2.19
SE	1.17	0.29	0	0	0	1.46
SSE	1.02	1.02	0	0	0	2.04
S	4.83	0.44	0	0	0	5.27
SSW	5.12	1.76	0	0	0	6.88
SW	2.05	5.71	0	0	0	7.76
WSW	9.22	3.07	0	0	0	12.29
W	16.4	1.32	0	0	0	17.72
WNW	11.57	0.88	0	0	0	12.45
NW	7.76	1.46	0	0	0	9.22
NNW	4.54	1.32	0	0	0	5.86
Summary	75.1	24.88	0	0	0	100



Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages

NON-METHANE HYDROCARBONS (NMHC) in ppm

Maximum Hourly Value:	1.66	ppm	on Sep 28 at hr 19	Hours in Service:	720																																											
Maximum Daily Value:	0.08	ppm	on Sep 28	Hours of Data:	686																																											
Minimum Hourly Value:	0.00	ppm	on Sep 1 at hr 4	Hours of Missing Data:	0																																											
Minimum Daily Value:	0.00	ppm	on Sep 2	Hours of Calibration:	34																																											
Monthly Average:	0.00	ppm		Operational Uptime:	100.0																																											
Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average																					
Sep 1	0.19	0.30	0.01	0.09	0.00	0.00	0.00	0.00	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	0.30	0.03																				
Sep 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 3	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00																				
Sep 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 6	0.00	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00																				
Sep 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 11	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	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	0.02	0.00																				
Sep 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.26	0.07	0.00	0.00	0.00	0.00	0.00	0.26	0.02																				
Sep 13	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00																				
Sep 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00																				
Sep 15	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 16	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 17	0.00	0.00	0.00	0.02	S	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00																				
Sep 18	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00																				
Sep 19	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 20	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 21	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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																				
Sep 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	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00																				
Sep 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	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00																				
Sep 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.13	0.00	0.00	0.00	0.00	0.13	0.01																				
Sep 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 27	0.00	0.00	0.00	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.01																				
Sep 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	1.66	0.07	0.00	0.01	0.00	0.00	1.66	0.08	0.00																				
Sep 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
Sep 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	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	0.19	0.30	0.02	0.15	0.03	0.09	0.04	0.01	0.11	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.03	0.01	1.66	0.07	0.13	0.01	0.00																								
Diurnal Average	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.01	0.00	0.00	0.00																								
C	Monthly Calibration							S	Daily Zero-Span Check							Q	Quality Assurance																															
K	Collection Error							ND	No Data (Machine Not in Service)							Y	Routine Maintenance							P	Power Failure																							
X	Invalid Data (Equipment Malfunction / Recovery)							NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)																																							
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																																
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																																

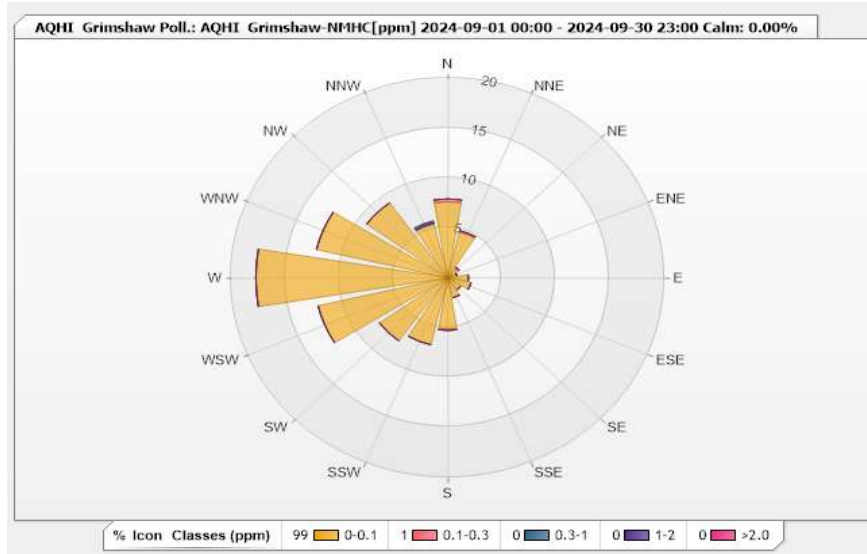


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NMHC[ppm] Monthly: 09-2024

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

Calm: 0.00% Valid Data: 94.86% Calm Avg: 0.00 [ppm]

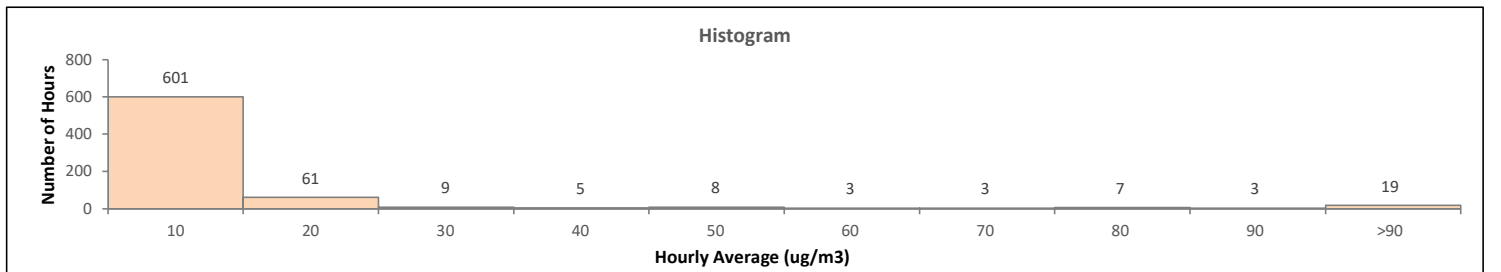
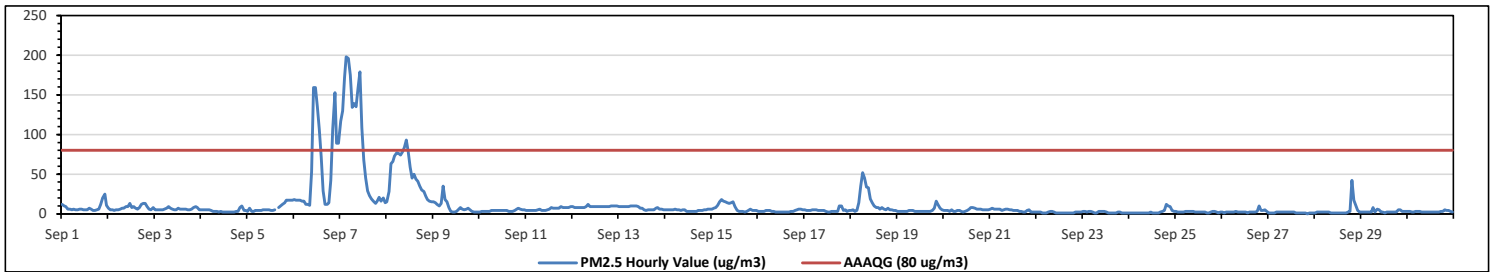
Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	7.61	0.29	0	0	0	7.9
NNE	4.69	0.15	0	0	0	4.84
NE	1.17	0.15	0	0	0	1.32
ENE	0.88	0	0	0	0	0.88
E	1.9	0	0	0	0	1.9
ESE	2.2	0	0	0	0	2.2
SE	1.46	0	0	0	0	1.46
SSE	2.05	0	0	0	0	2.05
S	5.12	0.15	0	0	0	5.27
SSW	6.88	0	0	0	0	6.88
SW	7.76	0	0	0	0	7.76
WSW	12.3	0	0	0	0	12.3
W	17.72	0	0	0	0	17.72
WNW	12.45	0	0	0	0	12.45
NW	9.22	0	0	0	0	9.22
NNW	5.56	0	0.15	0.15	0	5.86
Summary	98.97	0.74	0.15	0.15	0	100



Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages

PARTICULATE MATTER 2.5 (PM_{2.5}) in µg/m³

Alberta Ambient Air Quality Guideline (AAAQG): 1-Hour 80 µg/m ³ , Alberta Ambient Air Quality Objective (AAAO): 24-Hour 29 µg/m ³																																					
Number of 1-Hour Exceedances: 22														Number of 24-Hour Exceedances: 3																							
Maximum Hourly Value: 198 µg/m ³ on Sep 7 at hr 3														Hours in Service: 720																							
Maximum Daily Value: 89.3 µg/m ³ on Sep 7														Hours of Data: 719																							
Minimum Hourly Value: 0 µg/m ³ on Sep 27 at hr 20														Hours of Missing Data: 0																							
Minimum Daily Value: 1 µg/m ³ on Sep 27														Hours of Calibration: 1																							
Monthly Average: 11.2 µg/m ³														Operational Uptime: 100.0																							
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average											
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23													
Sep 1	12	10	9	6	6	5	6	5	6	5	6	5	5	5	7	6	4	4	5	6	12	20	25	11	4	25	8.0										
Sep 2	7	5	5	4	5	5	6	7	7	9	9	13	8	9	7	6	8	12	13	13	9	6	5	8	4	13	7.8										
Sep 3	5	5	5	5	5	6	7	9	7	6	5	5	7	6	6	6	6	5	5	6	8	9	8	5	5	9	6.1										
Sep 4	5	5	5	5	5	4	3	3	3	2	3	2	2	2	2	2	2	3	3	8	10	4	4	2	10	3.7											
Sep 5	3	7	3	3	4	4	4	4	5	5	5	5	4	4	5	C	8	10	12	14	17	17	17	3	17	7.7											
Sep 6	18	17	17	17	16	16	12	12	11	53	159	159	135	107	72	29	12	12	14	42	107	153	89	89	11	159	57.0										
Sep 7	117	130	172	198	196	175	134	139	135	158	179	109	68	45	29	23	19	16	13	16	21	16	20	14	13	198	89.3										
Sep 8	15	28	63	66	73	77	76	74	78	84	93	78	59	45	50	44	41	35	30	28	22	18	16	15	15	93	50.3										
Sep 9	15	14	12	10	13	35	18	15	8	3	2	2	3	6	8	6	5	6	7	5	3	2	2	2	2	35	8.4										
Sep 10	2	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3	3	3	4	6	7	6	5	5	2	7	4.0										
Sep 11	4	4	4	4	4	4	5	6	4	4	4	5	6	8	7	7	7	7	9	8	8	8	8	9	4	9	6.0										
Sep 12	9	8	8	8	8	8	8	9	12	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	8	12	9.0										
Sep 13	9	9	9	9	9	9	10	10	10	10	9	7	7	5	4	5	5	5	5	7	8	6	6	5	4	10	7.4										
Sep 14	5	5	5	5	5	6	5	5	4	5	5	3	3	3	3	3	3	4	4	4	5	5	6	6	3	6	4.5										
Sep 15	6	7	8	11	15	18	16	15	14	13	14	15	9	4	3	3	3	2	3	4	6	4	4	4	2	18	8.4										
Sep 16	3	3	3	3	4	4	4	3	3	2	2	2	2	2	2	2	2	3	3	4	5	6	6	5	2	6	3.3										
Sep 17	5	4	4	4	5	5	5	4	4	4	4	3	2	2	3	3	3	3	10	10	4	5	3	4	2	10	4.3										
Sep 18	4	5	3	4	14	35	52	45	34	33	19	14	10	8	8	6	8	6	5	7	5	5	4	4	3	52	14.1										
Sep 19	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	4	7	16	12	7	5	3	16	4.5										
Sep 20	4	4	4	3	5	3	3	4	4	3	2	3	4	6	8	8	7	6	6	5	5	5	5	2	8	4.7											
Sep 21	6	7	6	6	6	6	4	5	6	6	5	5	4	4	4	3	3	2	2	4	5	2	2	2	2	7	4.4										
Sep 22	2	2	2	1	1	1	2	3	3	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	3	1.5										
Sep 23	3	3	2	3	3	2	1	1	3	3	3	3	2	1	1	1	1	1	2	2	1	1	1	1	1	3	1.9										
Sep 24	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	3	4	12	10	9	4	3	1	12	2.7										
Sep 25	3	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	1	1	2	3	3	2	1	2	1	3	2.2										
Sep 26	2	1	2	2	2	2	2	3	2	2	2	2	2	1	2	2	2	2	3	10	4	4	5	3	1	10	2.7										
Sep 27	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	0	1	1	1	0	2	1.4										
Sep 28	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	3	42	17	11	4	2	1	42	4.4										
Sep 29	2	2	2	2	2	2	8	2	6	5	2	2	1	2	2	2	2	2	2	5	5	3	3	3	1	8	2.9										
Sep 30	3	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	3	3	5	4	4	3	2	2	5	2.6										
Diurnal Maximum	117	130	172	198	196	175	134	139	135	158	179	159	135	107	72	44	41	35	30	42	107	153	89	89													
Diurnal Average	9.2	10.0	12.2	13.1	14.1	15.0	13.7	13.4	12.8	14.8	18.6	15.6	12.3	10.0	8.6	6.6	5.8	5.7	6.2	9.7	11.2	12.1	9.2	8.3													
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance														
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance							P	Power Failure						
X	Invalid Data (Equipment Malfunction / Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)																									
Daily Average is shown "-." if minimum data completeness criteria of 75% or 18 hours per day is not met.																																					
Monthly Average is shown "-." if minimum data completeness criteria of 75% of days per month is not met.																																					



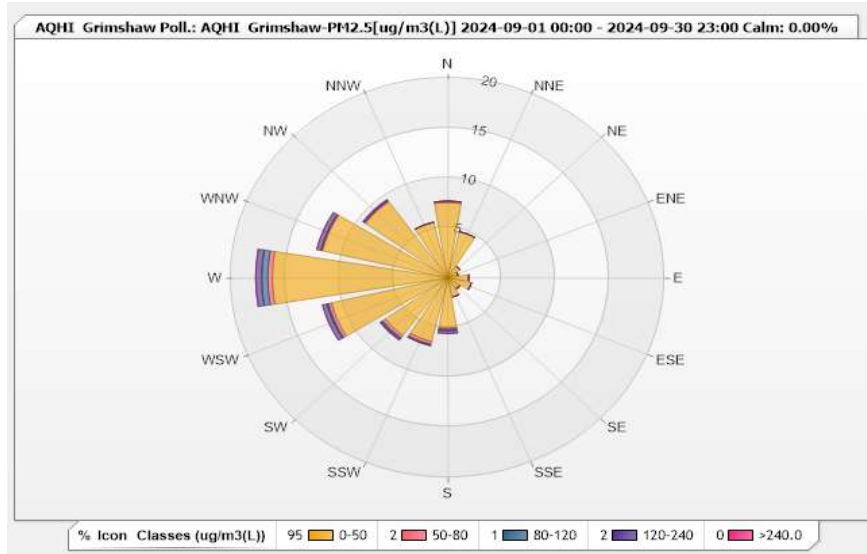
Station: AQHI Grimshaw Poll.: AQHI Grimshaw-PM2.5[ug/m3(L)] Monthly: 09-2024

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

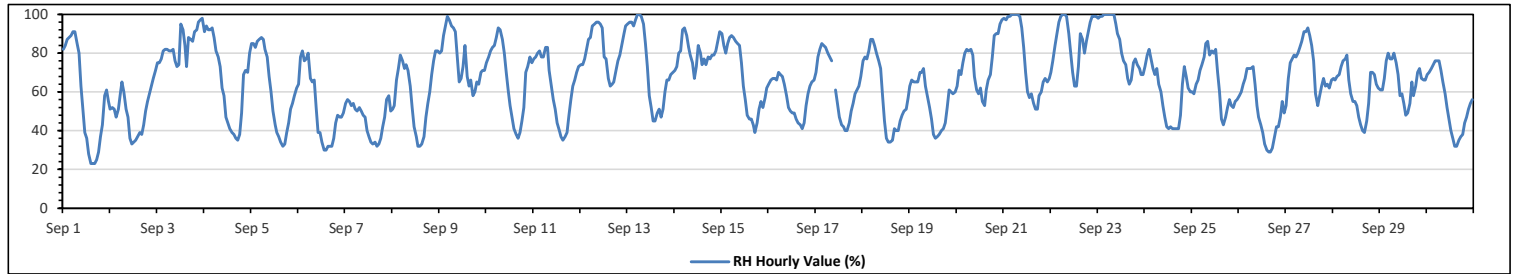
Calm: 0.00% Valid Data: 99.44% Calm Avg: 0.00 [ug/m3(L)]

Direction	0-50	50-80	80-120	120-240	>240.0	Total
N	7.54	0.14	0	0	0	7.68
NNE	4.75	0	0	0	0	4.75
NE	1.4	0	0	0	0	1.4
ENE	0.98	0	0	0	0	0.98
E	1.96	0	0	0	0	1.96
ESE	2.23	0	0	0	0	2.23
SE	1.26	0.14	0	0	0	1.4
SSE	1.96	0	0	0	0	1.96
S	5.03	0.14	0.14	0.28	0	5.59
SSW	6.56	0.28	0.14	0	0	6.98
SW	7.12	0.28	0.14	0.14	0	7.68
WSW	11.03	0.28	0.14	0.42	0	11.87
W	16.2	0.42	0.56	0.56	0	17.74
WNW	11.87	0.14	0	0.42	0	12.43
NW	9.36	0.14	0	0.14	0	9.64
NNW	5.73	0	0	0	0	5.73
Summary	94.98	1.96	1.12	1.96	0	100



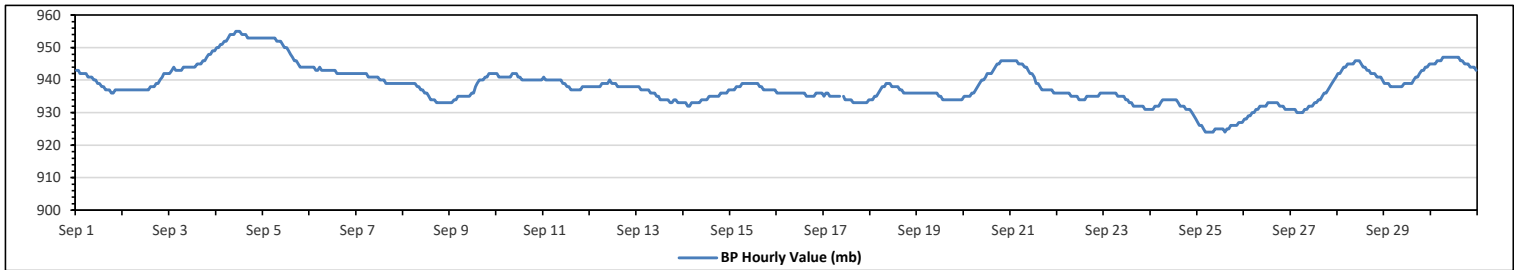
Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Sep 13 at hr 5	Hours in Service:	720																											
Maximum Daily Value:	86.7	%	on Sep 22	Hours of Data:	719																											
Minimum Hourly Value:	23	%	on Sep 1 at hr 14	Hours of Missing Data:	1																											
Minimum Daily Value:	45.9	%	on Sep 7	Hours of Calibration:	0																											
Monthly Average:	65.5	%		Operational Uptime:	99.9																											
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average						
Sep 1	82	84	87	88	89	91	91	85	80	63	51	39	36	28	23	23	23	25	29	37	43	58	61	55	23	91	57.1					
Sep 2	51	52	51	47	51	59	65	60	51	47	36	33	34	35	37	39	38	43	50	55	59	63	67	71	33	71	49.8					
Sep 3	75	75	77	81	82	82	81	81	82	76	73	74	95	92	84	73	88	87	86	91	92	96	97	98	73	98	84.1					
Sep 4	91	94	92	92	93	88	81	78	73	62	58	47	44	41	39	38	36	35	38	49	69	71	70	80	35	94	65.0					
Sep 5	85	85	83	86	87	88	87	82	78	68	60	50	43	39	37	34	32	33	39	44	51	54	58	62	32	88	61.0					
Sep 6	64	78	81	76	77	80	67	65	66	52	39	39	34	30	30	32	32	32	36	44	48	47	47	49	30	81	51.9					
Sep 7	54	56	55	53	54	51	50	52	50	48	47	40	37	34	33	34	32	33	36	42	47	56	58	50	32	58	45.9					
Sep 8	51	53	66	72	79	76	72	74	71	63	52	42	37	32	32	33	37	47	54	60	69	76	81	81	32	81	58.8					
Sep 9	80	81	89	94	99	97	94	93	91	78	65	67	73	84	68	63	66	58	60	65	64	70	71	71	58	99	76.7					
Sep 10	75	78	81	83	84	88	93	92	87	80	70	61	53	47	41	38	36	39	45	52	70	73	78	75	36	93	67.5					
Sep 11	77	78	80	81	78	78	83	83	71	63	56	51	44	40	37	35	37	39	48	56	63	66	70	73	35	83	62.0					
Sep 12	74	74	77	82	87	88	94	95	96	96	95	93	78	77	67	63	64	65	71	76	79	85	90	94	63	96	81.7					
Sep 13	95	96	96	94	97	100	100	99	95	85	73	58	52	45	45	49	51	47	51	60	66	66	69	70	45	100	73.3					
Sep 14	71	73	80	81	92	93	89	83	79	75	67	73	84	80	74	77	74	78	77	79	79	81	86	91	67	93	79.8					
Sep 15	90	84	80	85	88	89	88	86	85	84	75	63	56	48	46	46	43	39	44	51	55	52	57	62	39	90	66.5					
Sep 16	64	66	67	67	66	70	69	68	64	58	52	50	49	49	46	44	43	41	44	53	59	63	65	66	41	70	57.6					
Sep 17	70	78	82	85	84	83	80	78	76	Y	61	54	47	43	42	40	40	44	50	54	59	61	63	68	40	85	62.7					
Sep 18	76	78	77	81	87	87	84	80	76	72	58	45	36	34	34	35	41	40	40	45	48	50	51	57	34	87	58.8					
Sep 19	63	66	65	65	65	70	70	72	63	57	52	46	38	36	37	38	40	41	44	52	61	60	59	60	36	72	55.0					
Sep 20	63	71	69	75	80	82	81	82	79	68	61	59	62	55	53	61	66	69	78	89	90	90	95	97	53	97	74.0					
Sep 21	98	97	99	99	100	100	100	100	99	93	83	70	60	57	59	54	51	51	58	60	65	67	65	67	51	100	77.2					
Sep 22	70	76	84	90	96	99	100	100	99	90	80	70	63	63	73	90	87	80	86	91	96	99	99	99	63	100	86.7					
Sep 23	98	99	99	100	100	100	100	100	100	95	90	87	80	76	74	67	64	66	75	77	74	72	69	69	64	100	84.6					
Sep 24	73	79	82	77	72	69	72	64	60	53	47	42	41	42	41	41	41	48	64	73	68	62	60	41	82	58.8						
Sep 25	60	59	64	66	71	74	78	85	86	79	81	80	82	70	60	46	43	47	52	56	53	52	55	56	43	86	64.8					
Sep 26	58	60	64	67	72	72	72	73	64	53	47	43	39	33	30	29	29	31	37	42	42	47	55	49	29	73	50.3					
Sep 27	53	67	75	77	79	78	80	83	86	91	91	93	89	84	76	59	53	58	63	67	63	64	62	66	53	93	73.2					
Sep 28	67	66	68	69	73	76	77	79	66	59	55	55	53	47	43	40	39	45	54	70	70	69	64	62	39	79	61.1					
Sep 29	61	61	67	76	80	77	77	80	75	69	58	59	54	48	49	54	65	58	63	70	72	67	66	66	48	80	65.5					
Sep 30	69	70	72	74	76	76	76	71	65	59	52	46	40	36	32	32	35	37	38	44	47	51	54	56	32	76	54.5					
Diurnal Maximum	98	99	99	100	100	100	100	100	100	96	95	93	95	92	84	90	88	87	86	91	96	99	99	99								
Diurnal Average	71.9	74.5	77.0	78.8	81.3	82.0	81.7	80.8	77.1	70.2	62.8	57.6	54.4	50.8	48.1	46.9	47.5	48.3	53.1	59.8	64.2	66.5	68.1	69.3								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																



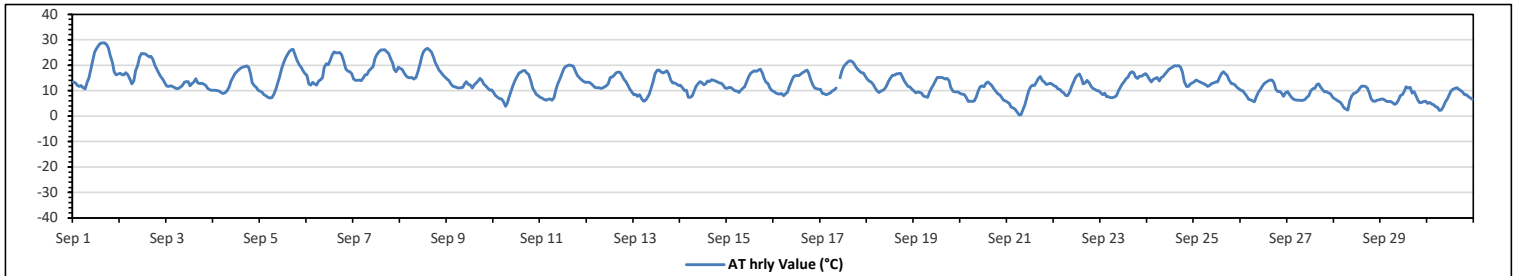
Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	955	mb	on Sep 4 at hr 10	Hours in Service:	720																							
Maximum Daily Value:	953	mb	on Sep 4	Hours of Data:	719																							
Minimum Hourly Value:	924	mb	on Sep 25 at hr 4	Hours of Missing Data:	1																							
Minimum Daily Value:	925	mb	on Sep 25	Hours of Calibration:	0																							
Monthly Average:	938	mb		Operational Uptime:	99.9																							
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average		
Sep 1	943	943	942	942	942	942	941	941	941	940	940	939	939	938	938	937	937	936	936	937	937	937	937	936	943	939		
Sep 2	937	937	937	937	937	937	937	937	937	937	937	937	937	937	938	938	938	939	939	940	941	942	942	942	937	942	938	
Sep 3	942	943	944	943	943	943	944	944	944	944	944	944	944	944	945	945	945	946	946	947	948	948	949	949	942	949	945	
Sep 4	950	950	951	951	952	952	953	954	954	954	955	955	955	954	954	954	953	953	953	953	953	953	953	953	950	955	953	
Sep 5	953	953	953	953	953	953	953	952	952	952	951	950	950	949	948	947	946	946	945	944	944	944	944	944	944	944	949	
Sep 6	944	944	944	943	943	944	943	943	943	943	943	943	943	943	942	942	942	942	942	942	942	942	942	942	942	944	943	
Sep 7	942	942	942	942	942	942	941	941	941	941	941	941	940	940	940	939	939	939	939	939	939	939	939	939	939	942	940	
Sep 8	939	939	939	939	939	939	939	938	938	937	937	936	936	935	934	934	934	933	933	933	933	933	933	933	933	939	936	
Sep 9	933	933	934	934	935	935	935	935	935	935	935	936	936	938	939	940	940	940	941	941	942	942	942	942	933	942	937	
Sep 10	942	941	941	941	941	941	941	942	942	942	942	941	941	940	940	940	940	940	940	940	940	940	940	940	940	942	941	
Sep 11	941	940	940	940	940	940	940	940	940	940	939	939	938	938	937	937	937	937	937	937	938	938	938	938	937	941	939	
Sep 12	938	938	938	938	938	938	939	939	939	939	940	939	939	939	938	938	938	938	938	938	938	938	938	938	938	940	938	
Sep 13	938	938	937	937	937	937	937	936	936	936	935	935	935	934	934	934	934	933	933	934	934	933	933	933	933	938	935	
Sep 14	933	933	932	932	933	933	933	933	933	934	934	934	934	935	935	935	935	935	935	936	936	936	936	937	932	937	934	
Sep 15	937	937	937	938	938	938	939	939	939	939	939	939	939	939	939	938	938	937	937	937	937	937	937	937	937	939	938	
Sep 16	936	936	936	936	936	936	936	936	936	936	936	936	936	936	936	935	935	935	935	935	936	936	936	936	936	935	936	
Sep 17	935	936	936	935	935	935	935	935	935	935	935	935	934	934	934	933	933	933	933	933	933	933	933	933	933	936	934	
Sep 18	934	934	935	935	936	937	938	938	939	939	939	938	938	938	938	937	937	936	936	936	936	936	936	936	934	939	937	
Sep 19	936	936	936	936	936	936	936	936	936	936	936	936	935	935	934	934	934	934	934	934	934	934	934	934	934	936	935	
Sep 20	935	935	935	935	936	936	937	938	939	940	940	941	942	942	942	943	944	945	945	946	946	946	946	946	935	946	941	
Sep 21	946	946	946	946	945	945	945	944	944	943	942	942	941	939	939	938	937	937	937	937	937	937	936	936	936	946	941	
Sep 22	936	936	936	936	936	936	936	935	935	935	935	935	934	934	934	934	935	935	935	935	935	935	936	936	934	936	935	
Sep 23	936	936	936	936	936	936	936	936	935	935	935	935	934	934	933	933	932	932	932	932	932	931	931	931	931	936	934	
Sep 24	931	931	932	932	932	933	934	934	934	934	934	934	934	934	933	932	932	932	931	931	931	930	929	928	928	934	932	
Sep 25	927	926	926	925	924	924	924	924	924	925	925	925	925	925	924	925	925	926	926	926	926	927	927	927	924	927	925	
Sep 26	928	928	929	929	930	930	931	931	932	932	932	932	933	933	933	933	933	933	932	932	932	931	931	931	928	933	931	
Sep 27	931	931	931	930	930	930	930	931	931	932	932	932	933	933	934	934	935	936	936	937	938	939	940	941	930	941	934	
Sep 28	942	942	943	944	944	945	945	945	945	946	946	946	945	944	944	943	943	942	942	942	941	941	941	940	940	946	943	
Sep 29	939	939	939	938	938	938	938	938	938	938	939	939	939	939	939	940	941	941	942	943	944	944	944	945	938	945	940	
Sep 30	945	945	945	946	946	946	947	947	947	947	947	947	947	947	947	946	946	945	945	945	944	944	944	943	943	947	946	
Diurnal Maximum	953	953	953	953	953	953	954	954	954	955	955	955	955	954	954	954	953	953	953	953	953	953	953	953	953	953	953	
Diurnal Average	938	938	938	938	938	939	939	939	939	939	939	939	939	938	938	938	938	938	938	938	938	938	938	938	938	938	938	
C	Monthly Calibration						S	Daily Zero-Span Check						Q	Quality Assurance													
K	Collection Error						ND	No Data (Machine Not in Service)						Y	Routine Maintenance						P Power Failure							
X	Invalid Data (Equipment Malfunction /Recovery)						NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)																				
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																												
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																												



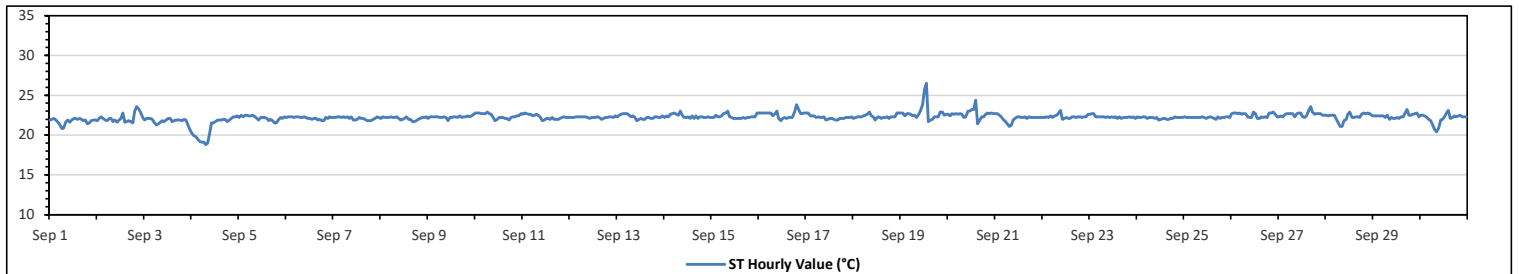
Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	28.8	°C	on Sep 1 at hr 15	Hours in Service:	720																											
Maximum Daily Value:	19.7	°C	on Sep 7	Hours of Data:	719																											
Minimum Hourly Value:	0.5	°C	on Sep 21 at hr 6	Hours of Missing Data:	1																											
Minimum Daily Value:	6.9	°C	on Sep 30	Hours of Calibration:	0																											
Monthly Average:	12.9	°C		Operational Uptime:	99.9																											
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average						
Sep 1	13.5	13	12.1	11.7	12	11.2	10.7	13.2	15	18.5	22	25.3	26.6	27.8	28.6	28.8	28.7	28.1	26.8	24	21.2	17.4	16.2	16.5	10.7	28.8	19.5					
Sep 2	16.8	16.3	16.2	17.1	16.3	14.6	12.6	13.7	17.9	19.9	23.1	24.6	24.4	24.5	23.7	23.2	23.4	22.2	20	18.2	16.6	15.4	14.4	13	12.6	24.6	18.7					
Sep 3	11.8	11.7	11.9	11.6	11.1	10.8	10.9	11.4	12	13.3	13.6	13.6	11.9	12.9	13.5	14.7	13	12.8	12.9	12.5	12	10.9	10.4	10.1	10.1	14.7	12.1					
Sep 4	10.2	10.1	10	9.7	9.1	8.9	9.2	10	11.4	13.8	15.1	16.6	17.5	18.2	18.8	19.1	19.5	19.7	19.2	16.5	13.2	11.9	11.2	10.1	8.9	19.7	13.7					
Sep 5	9.7	9.4	8.3	8.1	7.4	7.1	7.2	8.6	10.5	13	15.5	18.6	20.8	22.8	24.2	25.4	26.1	26.2	24.2	22	20.3	19.2	17.8	16.7	7.1	26.2	16.2					
Sep 6	16.1	12.6	12.2	13.3	12.6	12.2	13.7	14.3	15.2	19	20.6	20.3	22	24	25.2	24.9	24.9	25	24	21.2	18.5	17.7	17.5	16.6	12.2	25.2	18.5					
Sep 7	14.6	14	14	14.2	13.9	15.1	16.2	16.3	17.8	18.7	19.5	22.7	24.3	25.2	26	26	26.1	25.4	24.5	22.5	20.8	18.3	17.5	19.1	13.9	26.1	19.7					
Sep 8	18.7	18.3	16.9	15.8	15.1	15	15.1	14.6	15.2	17.5	20.2	23.3	25.2	26.3	26.6	26	25.2	23.1	21.1	19.6	18.1	17.2	16.1	15.3	14.6	26.6	19.4					
Sep 9	14.6	13.9	12.7	11.8	11.5	11.2	11	11.1	11.2	12.6	13.6	12.5	12.2	11	12.3	13.1	13.8	14.9	14	12.5	11.9	10.9	10.2	10.3	10.2	14.9	12.3					
Sep 10	9.2	8.2	7.3	6.9	6.8	5.7	3.9	5	7.5	9.7	12.1	14.1	15.6	16.9	17.4	17.8	17.9	17	16.4	14.1	10.9	9.6	8.5	8.1	3.9	17.9	11.1					
Sep 11	7.3	7	6.5	6.2	6.6	6.8	6.3	7.1	10.3	12.6	14.7	16.7	18.6	19.5	19.9	20.1	19.9	19.6	17.7	16.1	15.1	14.4	13.7	13.3	6.2	20.1	13.2					
Sep 12	13.3	13.3	12.8	12	11.2	11.1	11.1	10.9	11	11.5	12	12.8	15.1	15.4	16.2	17.1	17.4	17.2	16	14.4	13.6	12.2	10.7	9.4	9.4	17.4	13.2					
Sep 13	8.4	8.5	7.8	8.3	6.9	5.9	6.1	7.2	8.6	11	13.6	16.7	18	18.1	17.3	17	17.3	17.8	16.5	14.2	13.1	13.1	12.5	12.1	5.9	18.1	12.3					
Sep 14	12.2	11.2	10	10.1	7.3	7.4	7.9	9.7	11.6	12.6	13.6	13.2	12.3	12.8	13.7	13.6	14.3	14	13.7	13.4	13	12.9	12.2	11	7.3	14.3	11.8					
Sep 15	10.9	11.2	11.1	10.5	9.8	9.8	9.3	10.1	10.9	11.5	13.4	15.5	16.6	17.4	17.8	17.6	18.1	18.4	17.1	14.8	13.3	12.8	11	10	9.3	18.4	13.3					
Sep 16	9.6	9	8.7	8.6	8.9	8	8.7	9.4	11.6	13.6	15.3	16	15.9	16	16.6	17.2	17.7	18	16.9	14.2	12.3	11	10.8	10.5	8.0	18.0	12.7					
Sep 17	10.5	8.9	8.7	8.3	8.8	9.1	9.8	10.3	11	Y	15	17.8	19.6	20.6	21.3	21.7	21.6	20.9	19.5	18.5	17.7	17.1	16.9	15.7	8.3	21.7	15.2					
Sep 18	14.5	13.7	13.4	12.4	11	9.8	9.3	9.7	10.2	10.8	12.1	13.8	15.2	16.1	16.1	16.5	16.7	16.8	15.4	13.7	12.6	11.6	11.4	10.5	9.3	16.8	13.1					
Sep 19	9.8	9.2	9.5	9.3	9	7.9	7.7	7.4	9.5	11	12.3	13.7	15.2	15.1	15.2	15	14.5	14.8	13.9	11.3	9.7	9.5	9.5	9.4	7.4	15.2	11.2					
Sep 20	8.8	8.6	8.3	7.2	5.7	5.9	5.7	6	7.6	9.8	11.5	11.9	11.5	12.9	13.5	12.6	12	10.9	9.9	8.8	8.4	7.4	6.3	6	5.7	13.5	9.1					
Sep 21	5.5	5	3.5	3.2	2.7	1.5	0.5	0.6	2.3	4.4	7.3	10	11.5	12.2	12	13.4	14.9	15.5	14	13.3	12.4	12.6	12.9	12.5	0.5	15.5	8.5					
Sep 22	11.9	11.7	10.7	10.5	9.5	9.1	8.2	8	9.5	11.6	13.4	15.1	16.1	16.5	15	12.6	13.1	14	13	11.6	10.9	10.5	10	9.9	8.0	16.5	11.8					
Sep 23	9.1	8.4	9	7.6	7.6	7.2	7.2	7.5	8.1	9.8	11.3	12.4	13.6	14.7	15.3	16.8	17.5	17.1	15.3	14.9	15.7	15.7	16.3	16.6	7.2	17.5	12.3					
Sep 24	15.8	14.4	13.5	14.4	14.9	15.1	13.7	15.1	15.5	16.4	17.4	18.4	18.9	19.3	19.9	19.7	19.8	19.3	17.3	13.6	11.7	11.7	12.7	13.1	11.7	19.9	15.9					
Sep 25	13.5	14.2	13.7	13.5	13	12.6	12.3	11.7	12	12.8	13.1	13.5	13.5	15.2	16.7	17.5	16.6	15.9	14.1	12.8	12.6	12.3	11.4	10.8	10.8	17.5	13.6					
Sep 26	10.1	9.8	8.9	7.9	6.7	6.4	6	5.6	7.7	9.5	10.6	11.8	12.6	13.3	13.8	14.1	14.1	13.2	10.6	9.6	9.7	9	7.8	9.3	5.6	14.1	9.9					
Sep 27	9.6	8.4	7.4	6.7	6.4	6.2	6.2	6.1	6.3	6.6	7.3	8	9.8	10.8	10.9	12.4	12.7	11.4	10.4	9.5	9.6	9.1	8.7	7.5	6.1	12.7	8.7					
Sep 28	6.9	6.5	5.9	5.5	4.4	3.2	2.8	2.4	6	7.9	8.9	9.1	9.7	10.9	11.8	11.8	11.7	11	9.1	6.8	5.9	5.9	6.3	6.4	2.4	11.8	7.4					
Sep 29	6.6	6.8	6.2	5.7	5.7	5.3	4.6	5	6.2	8.1	8.5	9.9	11.5	11	11.2	9	9.6	8.1	6.3	5.3	5.4	5.7	5.8	4.6	4.6	11.5	7.2					
Sep 30	5	5.4	4.7	4.4	3.8	3.5	2.2	2.3	3.6	5.4	6.8	8.2	9.7	10.6	10.9	11.1	10.6	10	9.4	8.3	8.3	7.6	7.1	6.6	2.2	11.1	6.9					
Diurnal Maximum	18.7	18.3	16.9	17.1	16.3	15.1	16.2	16.3	17.9	19.9	23.1	25.3	26.6	27.8	28.6	28.8	28.7	28.1	26.8	24.0	21.2	19.2	17.8	19.1								
Diurnal Average	11.2	10.6	10.1	9.8	9.2	8.8	8.6	9.0	10.4	12.1	13.8	15.2	16.1	17.0	17.4	17.6	17.6	17.3	16.0	14.3	13.1	12.3	11.8	11.4								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																



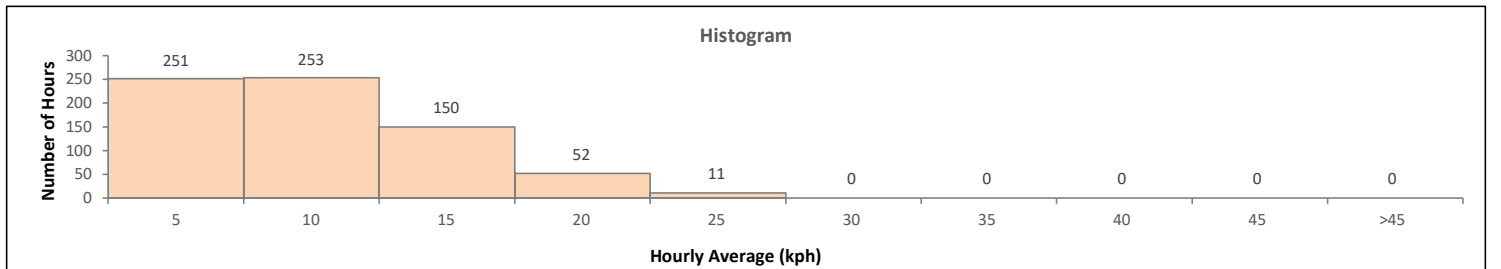
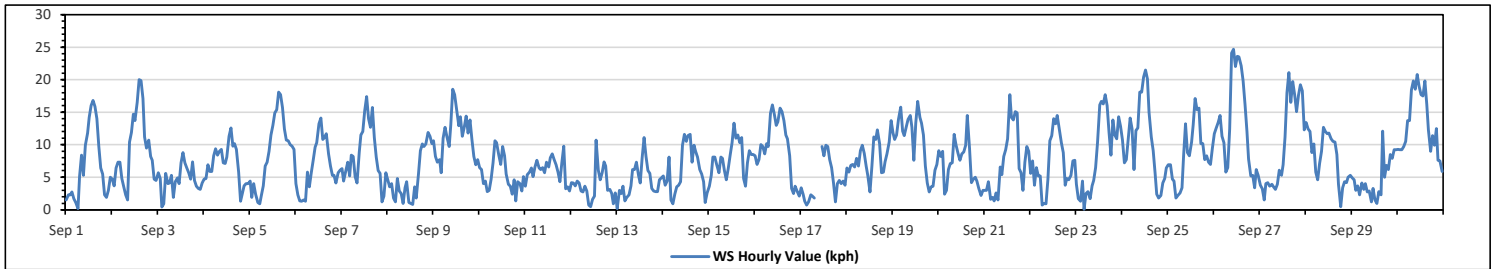
Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	26.5	°C	on Sep 19 at hr 13	Hours in Service:	720																						
Maximum Daily Value:	22.8	°C	on Sep 19	Hours of Data:	720																						
Minimum Hourly Value:	18.8	°C	on Sep 4 at hr 7	Hours of Missing Data:	0																						
Minimum Daily Value:	20.9	°C	on Sep 4	Hours of Calibration:	0																						
Monthly Average:	22.2	°C		Operational Uptime:	100.0																						
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average	
Sep 1	21.9	22.0	22.1	21.9	21.6	21.3	20.8	20.9	21.6	21.9	21.6	21.9	22.1	22.1	22.0	22.1	22.0	21.8	21.9	21.4	21.5	21.8	21.9	21.9	20.8	22.1	21.8
Sep 2	21.8	22.1	22.3	22.1	21.9	21.8	22.1	22.1	21.7	21.9	21.6	21.9	22.1	22.8	21.6	21.7	21.8	21.7	21.5	23.0	23.6	23.3	22.9	22.2	21.5	23.6	22.1
Sep 3	21.9	22.1	22.1	22.1	22.0	21.5	21.3	21.4	21.6	21.8	21.7	21.9	22.1	22.1	21.7	21.8	21.9	21.9	21.9	21.8	22.0	21.9	21.3	20.7	20.7	22.1	21.8
Sep 4	20.2	19.9	19.8	19.5	19.2	19.1	19.1	18.8	19.0	20.2	21.5	21.5	21.7	21.9	21.9	21.9	22.0	22.0	21.7	21.9	22.1	22.3	22.3	22.4	18.8	22.4	20.9
Sep 5	22.2	22.5	22.3	22.5	22.5	22.4	22.4	22.5	22.3	22.1	21.9	22.2	22.2	22.2	22.1	21.8	22.0	21.8	21.5	21.5	22.0	22.2	22.1	22.3	21.5	22.5	22.1
Sep 6	22.2	22.3	22.3	22.3	22.2	22.3	22.3	22.2	22.2	22.3	22.2	22.1	22.1	22.0	22.1	22.1	21.9	22.0	21.8	21.8	22.2	22.1	22.3	22.2	21.8	22.3	22.1
Sep 7	22.2	22.2	22.3	22.3	22.2	22.3	22.2	22.3	22.1	22.3	21.9	21.9	22.0	22.2	22.1	22.1	22.0	21.8	21.8	21.8	22.0	22.1	22.3	22.2	21.8	22.3	22.1
Sep 8	22.1	22.3	22.2	22.2	22.2	22.3	22.2	22.2	22.3	22.1	21.9	22.0	22.1	22.3	22.0	22.0	21.7	21.7	21.8	22.0	22.1	22.2	22.2	22.3	21.7	22.3	22.1
Sep 9	22.1	22.3	22.3	22.3	22.3	22.3	22.2	22.2	22.3	22.2	21.8	22.2	22.2	22.3	22.3	22.2	22.4	22.2	22.3	22.3	22.4	22.3	22.4	22.6	21.8	22.6	22.3
Sep 10	22.8	22.8	22.8	22.7	22.7	22.7	22.9	22.7	22.6	22.2	21.8	22.0	22.2	22.2	22.2	22.1	21.9	22.2	22.3	22.3	22.4	22.4	22.7	22.7	21.8	22.9	22.4
Sep 11	22.6	22.8	22.7	22.6	22.6	22.4	22.5	22.6	22.5	22.2	21.8	21.9	22.1	22.1	22.0	22.2	22.0	22.0	22.0	22.1	22.2	22.3	22.2	22.2	21.8	22.8	22.3
Sep 12	22.2	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.2	22.1	22.2	22.2	22.2	22.3	22.2	22.0	22.1	22.2	22.2	22.3	22.3	22.2	22.4	22.0	22.4	22.2
Sep 13	22.3	22.5	22.6	22.7	22.7	22.7	22.5	22.3	22.4	22.2	21.8	22.0	22.1	22.0	22.0	22.2	22.2	22.1	22.1	22.3	22.3	22.2	22.2	22.4	21.8	22.7	22.3
Sep 14	22.2	22.4	22.3	22.6	22.7	22.8	22.6	22.5	23.0	22.5	22.2	22.2	22.3	22.1	22.4	22.1	22.4	22.1	22.3	22.3	22.2	22.2	22.3	22.2	22.1	23.0	22.4
Sep 15	22.2	22.2	22.5	22.3	22.3	22.4	22.7	22.8	23.0	22.3	22.2	22.1	22.1	22.1	22.1	22.1	22.2	22.1	22.2	22.2	22.2	22.3	22.3	22.8	22.1	23.0	22.3
Sep 16	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.4	22.7	23.0	22.1	21.8	22.1	22.2	22.1	22.2	22.2	22.2	22.9	23.8	23.3	22.7	22.7	22.8	21.8	23.8	22.6
Sep 17	22.8	22.8	22.4	22.4	22.4	22.2	22.3	22.2	22.2	22.3	21.9	22.0	22.1	22.1	22.0	21.9	21.9	22.1	22.1	22.1	22.2	22.2	22.2	22.3	21.9	22.8	22.2
Sep 18	22.1	22.2	22.3	22.3	22.3	22.4	22.5	22.6	22.9	22.4	22.3	21.9	22.2	22.3	22.1	22.2	22.2	22.3	22.1	22.3	22.3	22.3	22.8	22.8	21.9	22.9	22.3
Sep 19	22.8	22.8	22.4	22.7	22.7	22.6	22.4	22.5	22.2	22.6	23.1	23.8	25.7	26.5	21.7	21.9	22.0	22.3	22.3	22.3	22.9	22.9	22.5	22.6	21.7	26.5	22.8
Sep 20	22.6	22.4	22.7	22.6	22.7	22.6	22.7	22.6	22.2	22.3	23.0	23.0	23.2	23.2	24.4	21.4	21.9	22.3	22.3	22.6	22.8	22.7	22.8	22.7	21.4	24.4	22.7
Sep 21	22.7	22.7	22.5	22.3	22.0	21.7	21.4	21.1	21.2	21.9	22.1	22.3	22.3	22.2	22.2	22.3	22.1	22.3	22.2	22.2	22.2	22.2	22.2	22.2	21.1	22.7	22.1
Sep 22	22.2	22.2	22.3	22.2	22.4	22.2	22.4	22.5	22.7	23.1	22.0	22.1	22.2	22.1	22.1	22.3	22.3	22.2	22.3	22.2	22.2	22.3	22.3	22.6	22.0	23.1	22.3
Sep 23	22.6	22.7	22.7	22.3	22.3	22.3	22.3	22.3	22.2	22.3	22.2	22.3	22.2	22.3	22.1	22.3	22.1	22.2	22.2	22.2	22.2	22.3	22.2	22.1	22.1	22.7	22.3
Sep 24	22.3	22.2	22.2	22.3	22.3	22.1	22.2	22.2	22.2	22.1	22.2	21.9	22.0	22.1	22.1	22.0	22.0	22.1	22.1	22.3	22.2	22.2	22.2	22.2	21.9	22.3	22.2
Sep 25	22.3	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.3	22.2	22.1	22.2	22.3	22.2	22.1	22.0	22.3	22.1	22.2	22.2	22.3	22.3	22.2	22.0	22.3	22.2
Sep 26	22.7	22.8	22.8	22.7	22.8	22.6	22.7	22.7	22.3	22.2	22.2	22.9	22.7	22.1	22.1	22.3	22.2	22.3	22.2	22.8	22.8	22.9	22.6	22.3	22.1	22.9	22.5
Sep 27	22.3	22.4	22.3	22.6	22.7	22.7	22.7	22.7	22.3	22.7	22.8	22.8	22.3	22.2	22.4	23.1	23.6	22.9	22.6	22.7	22.7	22.7	22.5	22.5	22.2	23.6	22.6
Sep 28	22.5	22.4	22.5	22.5	22.5	22.1	21.6	21.1	21.1	21.8	22.0	22.6	22.9	22.2	22.2	22.3	22.3	22.2	22.6	22.8	22.7	22.8	22.7	22.5	21.1	22.9	22.3
Sep 29	22.4	22.4	22.4	22.4	22.4	22.4	22.2	22.5	22.0	22.2	22.1	22.1	22.2	22.1	22.3	22.3	22.8	23.2	22.5	22.5	22.6	22.7	22.8	22.8	22.0	23.2	22.4
Sep 30	22.5	22.5	22.4	22.2	22.0	21.8	21.3	20.7	20.4	20.9	21.9	22.0	22.3	22.8	23.1	22.1	22.2	22.4	22.3	22.4	22.5	22.3	22.3	22.3	20.4	23.1	22.1
Diurnal Maximum	22.8	22.8	22.8	22.8	22.8	22.8	22.9	22.8	23.0	23.1	23.1	23.8	25.7	26.5	24.4	23.1	23.6	23.2	22.9	23.8	23.6	23.3	22.9	22.8			
Diurnal Average	22.3	22.3	22.3	22.3	22.3	22.2	22.1	22.1	22.1	22.2	22.1	22.2	22.3	22.4	22.2	22.1	22.1	22.2	22.1	22.3	22.4	22.4	22.4	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												
X	Invalid Data (Equipment Malfunction /Recovery)						NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)													P	Power Failure					
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 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 - September 2024
Summary of Hourly Averages
VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	24.7	kph	on Sep 26 at hr 10	Hours in Service:	720																											
Maximum Daily Value:	13.3	kph	on Sep 26	Hours of Data:	717																											
Minimum Hourly Value:	0.1	kph	on Sep 23 at hr 4	Hours of Missing Data:	3																											
Minimum Daily Value:	3.8	kph	on Sep 12	Hours of Calibration:	0																											
Monthly Average:	7.8	kph		Operational Uptime:	99.6																											
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average						
Sep 1	1.5	2.3	2.3	2.7	1.7	1.1	0.2	5.2	8.4	5.3	9.9	11.8	14.2	16.0	16.8	15.9	14.0	9.8	6.4	5.5	2.3	1.9	3.0	5.0	0.2	16.8	6.8					
Sep 2	4.7	3.7	6.4	7.3	7.3	4.8	3.5	2.3	1.5	10.4	11.9	14.7	13.7	16.5	20.0	19.9	17.1	11.2	9.5	10.7	8.2	7.6	4.7	4.5	1.5	20.0	9.3					
Sep 3	5.7	4.8	0.4	0.9	5.6	4.0	4.1	5.3	1.9	4.3	4.9	4.0	7.2	8.8	7.2	6.4	5.7	4.7	7.4	4.5	3.6	3.3	3.1	4.1	0.4	8.8	4.7					
Sep 4	4.7	4.8	6.9	5.9	5.9	8.3	9.4	8.4	9.0	9.3	7.2	7.1	8.1	11.3	12.6	9.8	10.2	9.3	5.8	1.3	2.6	3.7	4.0	4.0	1.3	12.6	7.1					
Sep 5	4.4	1.9	4.0	2.4	1.1	0.9	2.2	3.7	6.7	7.3	9.0	11.5	13.0	14.9	15.4	18.1	17.7	15.7	12.4	10.7	10.6	10.0	9.8	9.3	0.9	18.1	8.9					
Sep 6	4.0	2.3	1.4	1.3	1.5	1.3	5.8	3.5	5.7	7.6	9.6	10.3	13.2	14.1	10.8	11.1	11.7	8.6	6.7	5.3	5.3	4.1	5.7	6.1	1.3	14.1	6.5					
Sep 7	6.3	4.4	5.8	7.3	5.2	8.4	8.2	5.1	4.1	8.9	11.5	12.0	15.2	17.4	14.0	12.7	15.7	11.1	8.1	6.0	5.6	1.2	2.1	5.7	1.2	17.4	8.4					
Sep 8	4.6	3.5	4.0	1.8	1.2	4.8	2.9	2.5	1.0	3.4	4.3	1.1	1.0	0.8	3.5	1.8	5.5	9.1	10.1	9.7	10.1	11.9	11.3	10.2	0.8	11.9	5.0					
Sep 9	10.6	8.2	7.3	7.7	5.7	11.0	12.7	11.2	9.7	13.1	18.5	17.7	15.5	12.9	14.3	11.3	12.7	14.4	11.8	13.8	10.8	8.2	6.9	7.7	5.7	18.5	11.4					
Sep 10	6.5	6.2	4.0	4.4	2.8	3.0	4.7	7.2	10.6	10.3	8.4	7.0	9.7	8.3	5.5	3.9	3.6	2.4	4.6	1.4	4.3	4.0	2.9	5.1	1.4	10.6	5.5					
Sep 11	3.6	5.4	5.8	6.4	5.1	6.6	7.6	6.4	6.2	6.5	5.7	7.3	6.6	8.0	8.6	7.7	6.9	5.8	4.3	7.2	9.8	3.2	3.5	2.9	2.9	9.8	6.1					
Sep 12	4.2	4.1	3.7	4.4	4.1	2.9	2.7	3.6	2.9	0.7	0.5	1.6	2.1	10.7	6.1	4.6	5.7	7.4	6.7	3.0	3.1	2.5	0.9	2.6	0.5	10.7	3.8					
Sep 13	0.2	3.0	2.5	3.6	1.4	1.9	2.3	3.7	6.2	6.2	7.3	5.2	4.1	8.0	11.1	8.2	6.0	5.6	3.3	2.9	2.8	2.8	4.6	4.9	0.2	11.1	4.5					
Sep 14	5.2	3.8	4.4	8.1	1.5	0.9	2.4	3.5	3.8	4.3	9.9	11.6	10.5	11.4	11.6	7.3	9.9	9.0	8.1	6.2	5.5	4.3	1.1	2.6	0.9	11.6	6.1					
Sep 15	3.6	5.3	8.1	8.1	6.9	5.7	8.1	7.9	6.0	4.6	6.3	8.4	10.3	13.3	11.0	11.5	10.3	11.1	4.8	3.6	7.2	9.1	8.5	8.5	3.6	13.3	7.8					
Sep 16	8.3	7.0	7.7	10.0	9.7	8.6	10.2	9.7	14.8	16.1	14.7	13.0	13.5	15.6	15.1	13.7	11.5	10.9	8.3	3.3	2.5	3.6	2.9	2.1	2.1	16.1	9.7					
Sep 17	3.4	2.4	1.3	0.7	1.2	2.3	2.1	1.8	NRM	NRM	NRM	9.7	8.3	9.9	9.7	7.7	6.5	4.1	1.2	4.0	4.5	4.0	4.4	3.8	0.7	9.9	4.4					
Sep 18	6.4	5.8	6.8	7.0	6.6	7.9	6.7	9.1	9.9	8.7	6.7	5.3	2.7	6.7	11.2	10.8	12.3	10.2	5.7	5.8	7.4	8.6	10.4	13.7	2.7	13.7	8.0					
Sep 19	11.8	10.8	11.5	13.9	15.8	12.1	11.4	12.7	13.9	14.5	12.7	7.6	13.3	16.7	14.2	13.3	11.5	6.7	4.1	2.7	3.5	3.6	6.1	7.0	2.7	16.7	10.5					
Sep 20	9.1	8.2	9.0	2.4	3.0	6.2	7.1	7.2	11.6	9.9	8.7	7.6	8.6	8.9	9.9	14.5	9.5	4.2	4.7	5.0	4.4	3.3	2.2	3.0	2.2	14.5	7.0					
Sep 21	3.0	3.0	4.3	1.6	1.9	1.4	2.6	1.5	6.6	5.4	8.2	9.2	10.9	17.7	14.2	13.8	15.1	14.9	6.3	5.7	3.0	7.3	9.7	9.0	1.4	17.7	7.3					
Sep 22	5.6	7.5	3.8	6.5	5.2	5.2	0.7	1.0	0.9	4.7	10.6	11.4	14.0	13.2	14.5	12.6	10.3	8.8	3.8	4.8	4.6	5.3	7.5	7.6	0.7	14.5	7.1					
Sep 23	3.9	1.7	1.3	4.4	0.1	2.5	2.8	1.7	3.7	4.5	6.5	10.3	16.1	16.7	16.3	17.7	16.0	11.9	8.4	13.8	11.5	10.9	14.3	12.8	0.1	17.7	8.7					
Sep 24	10.7	7.2	7.7	10.9	14.1	12.4	6.2	12.2	12.6	18.1	18.1	20.4	21.5	20.1	15.0	11.2	9.1	5.6	2.4	1.8	2.2	4.1	4.8	6.4	1.8	21.5	10.6					
Sep 25	6.9	6.9	4.7	4.4	1.8	2.2	2.6	3.4	8.3	13.2	8.8	8.3	10.4	13.1	17.1	15.4	15.6	10.2	10.2	7.7	8.3	7.3	7.0	9.5	1.8	17.1	8.5					
Sep 26	11.7	12.6	13.4	14.5	11.3	10.3	5.8	6.5	12.4	24.1	24.7	22.0	23.6	23.5	22.1	19.8	16.2	12.0	7.8	5.2	5.3	3.4	6.2	5.3	3.4	24.7	13.3					
Sep 27	3.8	3.2	1.5	4.0	4.2	3.6	3.9	3.5	3.1	3.9	6.1	5.3	6.9	11.2	18.0	21.1	16.5	19.7	17.7	15.1	17.6	19.2	18.3	12.3	1.5	21.1	10.0					
Sep 28	13.4	12.4	12.0	8.8	10.1	5.8	4.6	7.1	9.0	12.7	12.0	11.7	11.8	10.9	10.5	10.4	8.5	3.9	0.5	3.4	4.3	4.2	5.0	5.3	0.5	13.4	8.3					
Sep 29	4.9	4.6	3.0	3.7	2.3	4.1	3.1	4.0	2.7	2.9	1.2	3.3	1.5	1.0	2.8	2.3	12.1	5.0	6.8	6.2	8.5	7.9	9.2	9.2	1.0	12.1	4.7					
Sep 30	9.3	9.2	9.2	9.7	10.5	13.7	13.7	18.4	19.8	18.5	20.8	19.0	17.7	17.5	19.8	16.2	12.3	9.0	11.4	9.9	12.5	7.6	7.5	5.9	5.9	20.8	13.3					
Diurnal Maximum	13.4	12.6	13.4	14.5	15.8	13.7	13.7	18.4	19.8	24.1	24.7	22.0	23.6	23.5	22.1	21.1	17.7	19.7	17.7	15.1	17.6	19.2	18.3	13.7								
Diurnal Average	6.1	5.5	5.5	5.8	5.2	5.5	5.3	6.0	7.3	8.9	9.8	9.8	10.8	12.5	12.6	11.7	11.2	9.1	7.0	6.2	6.4	5.9	6.3	6.5								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.																																
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.																																

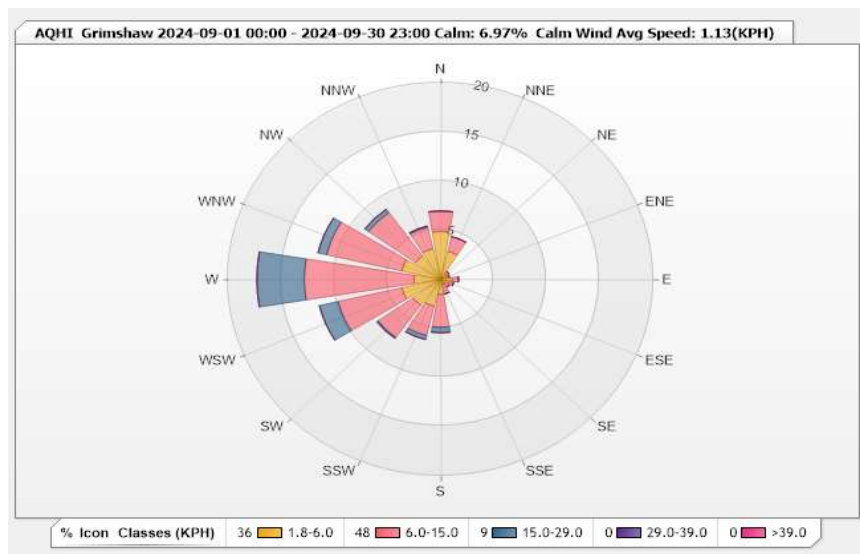


Station: AQHI Grimshaw Monitor: WDS [KPH] Monthly: 09-2024

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

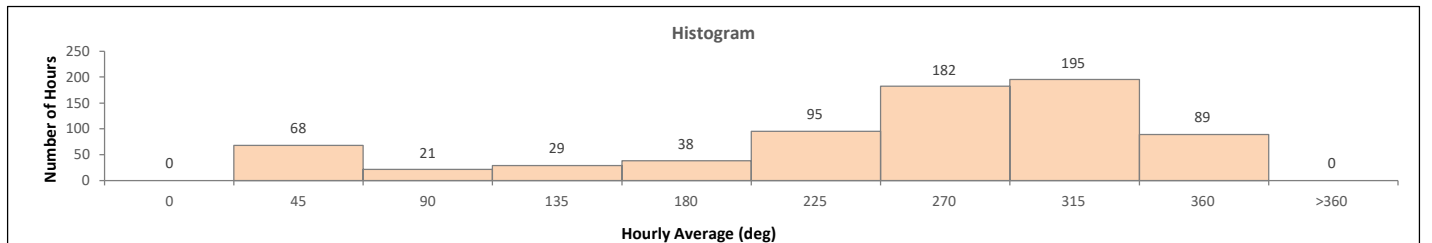
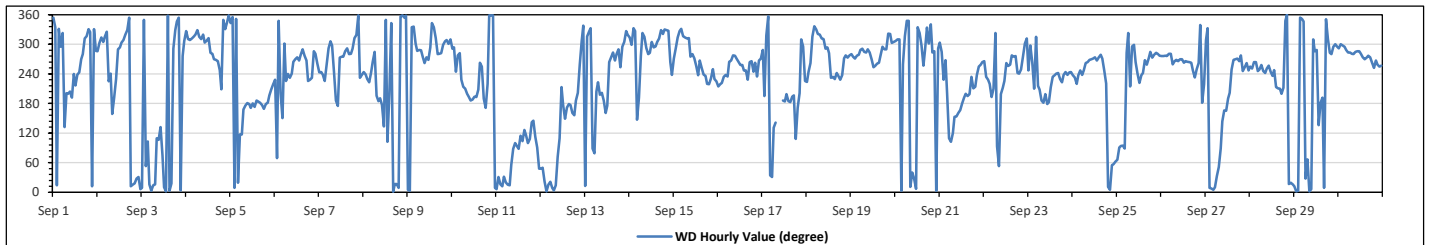
Calm (WS<1.8kph): 6.97% Valid Data: 99.58%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	4.88	2.09	0	0	0	6.97
NNE	2.93	1.53	0	0	0	4.46
NE	0.7	0.28	0	0	0	0.98
ENE	0.56	0.28	0	0	0	0.84
E	1.12	0.56	0	0	0	1.68
ESE	0.84	0.42	0	0	0	1.26
SE	0.56	0.42	0	0	0	0.98
SSE	0.56	0.98	0	0	0	1.54
S	1.53	3.35	0.56	0	0	5.44
SSW	2.79	3.07	0.42	0	0	6.28
SW	3.21	4.04	0.14	0	0	7.39
WSW	3.77	6.14	1.81	0	0	11.72
W	2.51	10.32	4.46	0	0	17.29
WNW	3.77	7.25	0.84	0	0	11.86
NW	2.93	5.44	0.42	0	0	8.79
NNW	3.21	2.23	0.14	0	0	5.58
Summary	35.87	48.4	8.79	0	0	93.06



Peace River Area Monitoring Program
AQHI - Grimshaw Station - September 2024
Summary of Hourly Averages
WIND DIRECTION (VWD) in sector

Monthly Average:										274 (W)		degree		Hours in Service:										720		Hours of Data:										717		Hours of Missing Data:										3		Hours of Calibration:										0		Operational Uptime:										99.6	
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																																														
Sep 1		N	NNW	NNE	NNW	WNW	NW	SE	SSW	SSW	SSW	S	WSW	SW	WSW	WSW	W	W	NW	NW	NNW	NW	NNE	NNW	WNW	287	WNW																																														
Sep 2		WNW	WNW	NW	WNW	NW	NW	SW	WSW	SSE	S	SW	WNW	WNW	WNW	NW	NW	NNW	N	NNE	NNE	NNE	NNE	NNE	N	316	NW																																														
Sep 3		N	N	NE	ESE	NNE	N	NNE	NNE	ESE	ESE	ENE	N	N	N	NNE	WNW	NNW	NNW	NNE	N	N	W	NW	12	NNE																																															
Sep 4		NW	NW	NW	NW	NW	NW	NNW	NW	NW	NW	WNW	NW	NW	W	W	W	W	W	WSW	SSW	N	NNW	NNW	N	306	NW																																														
Sep 5		NNW	N	N	N	NNE	ESE	ESE	SSE	S	S	S	S	S	S	S	S	S	SSE	S	S	SSW	SSW	SW	176	S																																															
Sep 6		SW	ENE	NNW	SSW	SSE	WNW	SW	WSW	SW	WSW	W	W	W	W	W	WNW	W	W	SW	SW	SW	WNW	W	W	257	WSW																																														
Sep 7		WSW	WSW	WSW	SW	WSW	WNW	NW	WNW	WSW	S	S	W	W	W	W	WNW	WNW	W	W	WNW	NW	N	SW	SW	269	W																																														
Sep 8		WSW	WSW	SW	SW	WSW	W	WNW	SSW	S	S	S	SE	N	E	SSW	NNW	N	NNE	NNE	N	N	N	N	N	286	WNW																																														
Sep 9		N	N	NNW	NNW	WNW	WNW	WNW	WNW	W	W	W	W	WNW	NNW	NNW	NW	W	W	WNW	NW	NW	WNW	NW	NW	303	WNW																																														
Sep 10		WNW	WNW	WSW	W	W	SW	SSW	SSW	SSW	SSW	S	S	SSW	S	SSW	W	WSW	S	S	SW	N	N	N	N	235	SW																																														
Sep 11		N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	E	E	E	E	ESE	ESE	SE	ESE	E	ESE	SE	SE	ESE	E	NE	75	ENE																																														
Sep 12		NE	NE	NNE	N	NNE	NNE	N	NNE	ENE	ESE	SSW	S	SSE	S	S	S	SSE	SSE	S	SSW	WSW	NW	NNW	NW	91	E																																														
Sep 13		NNE	NW	NW	NNW	E	ENE	SSW	SW	SSW	SSW	S	SSE	S	W	WNW	W	W	WNW	WSW	WNW	WNW	NW	NW	NW	271	W																																														
Sep 14		NW	WNW	NNW	NW	SE	S	W	NW	NW	WNW	W	W	WNW	WNW	WNW	NNW	NW	NNW	NW	NNW	NNW	NW	W	SW	301	WNW																																														
Sep 15		W	WNW	NW	NW	NNW	NW	NW	NW	NW	NW	W	W	W	WSW	SW	W	WSW	WSW	SW	SW	SW	WSW	SW	SW	269	W																																														
Sep 16		SSW	SW	SW	SW	SW	SW	W	W	W	W	W	W	W	WSW	WSW	WSW	WSW	SW	W	W	WSW	W	SW	W	252	WSW																																														
Sep 17		WNW	SSW	NW	N	NE	NNE	SE	SE	NRM	NRM	NRM	S	S	SSW	S	S	SSW	SSW	ESE	S	SSW	NW	WNW	SW	197	SSW																																														
Sep 18		SW	WSW	W	NW	NNW	NNW	NW	NW	NW	WNW	WNW	W	SW	SW	SW	WSW	SW	SW	SW	W	W	W	W	W	274	W																																														
Sep 19		W	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSW	WSW	W	W	W	WNW	WNW	WNW	NW	NW	WNW	WNW	284	WNW																																														
Sep 20		NW	NW	NW	N	WSW	NW	NNW	NNW	NNE	NE	NNE	N	NNW	NW	WNW	WSW	WNW	NNW	WNW	WNW	WNW	N	WNW	NW	324	NW																																														
Sep 21		WNW	WNW	SW	W	SSW	ESE	E	ESE	SSE	SSE	SSE	S	S	SSW	SSW	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	W	205	SSW																																														
Sep 22		W	SW	SW	SW	S	SSW	NW	E	NE	SSW	SSW	SW	W	WSW	WSW	W	W	W	WSW	WSW	WSW	W	WNW	NW	251	WSW																																														
Sep 23		WSW	WNW	W	SSW	NW	SW	SSW	S	S	SSW	S	S	SSW	SW	SW	WSW	WSW	SW	SW	SW	WSW	SW	WSW	WSW	229	SW																																														
Sep 24		SW	SW	SW	SW	WSW	SW	WSW	W	W	W	W	W	W	W	W	W	W	WSW	SW	NNE	N	NE	ENE	ENE	265	W																																														
Sep 25		ENE	E	E	E	E	W	NW	SSW	WNW	WNW	W	WSW	SW	SW	WSW	W	WSW	W	WNW	W	W	W	W	W	269	W																																														
Sep 26		W	W	W	W	W	W	WSW	W	W	W	W	W	W	W	W	W	W	WSW	SW	WSW	W	NNW	S	SW	264	W																																														
Sep 27		NW	NNW	N	N	N	N	NNE	NE	E	SE	SSE	SSE	S	SSW	WSW	W	W	W	W	W	WSW	WSW	W	WSW	276	W																																														
Sep 28		WSW	WSW	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	NNW	N	NNE	NNE	NNE	255	WSW																																														
Sep 29		NNE	N	N	N	N	N	NNW	NNE	ENE	N	N	NW	WNW	WNW	SE	S	S	N	N	NW	W	W	WNW	WNW	WNW	333	NNW																																													
Sep 30		WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WNW	WNW	WNW	W	W	W	W	W	W	W	W	WSW	W	WSW	WSW	WSW	278	W																																													
C	Monthly Calibration								S	Daily Zero-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 - September 2024
Summary of Hourly Averages

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

WIND SPEED																																								
Maximum Hourly Value:		24.7	kph	on Sep 26 at hr 10										Hours in Service:		720																								
Maximum Daily Value:		13.3	kph	on Sep 26										Hours of Data:		717																								
Minimum Hourly Value:		0.1	kph	on Sep 23 at hr 4										Hours of Missing Data:		3																								
Minimum Daily Value:		3.8	kph	on Sep 12										Hours of Calibration:		0																								
Monthly Average:		7.8	kph											Operational Uptime:		99.6																								
WIND DIRECTION																																								
Monthly Average:		274 degree (W)																																						
Day	0	1	2	3	4	5	6	7	8	9	Hourly Period Starting at (MST)													10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average
Sep 1	1.5	2.3	2.3	2.7	1.7	1.1	0.2	5.2	8.4	5.3	9.9	11.8	14.2	16.0	16.8	15.9	14.0	9.8	6.4	5.5	2.3	1.9	3.0	5.0	N	NNW	NNE	NNW	WNW	NW	NNE	NNW	WNW	0.2	16.8	6.8				
	N	NNW	NNE	NNW	WNW	NW	SE	SSW	SSW	SSW	S	WSW	SW	WSW	WSW	W	W	NW	NW	NNW	NW	NNE	NNW	WNW	N	NNW	NNE	NNW	NNW	NNW	NNW	NNW	NNW	287(WNW)						
Sep 2	4.7	3.7	6.4	7.3	7.3	4.8	3.5	2.3	1.5	10.4	11.9	14.7	13.7	16.5	20.0	19.9	17.1	11.2	9.5	10.7	8.2	7.6	4.7	4.5	WNW	WNW	NW	WNW	NW	SW	SSW	SSW	SW	1.5	20.0	9.3				
	WNW	WNW	NW	WNW	NW	NW	SW	WSW	SSE	S	SW	WNW	WNW	WNW	NW	NW	NNW	N	NNE	NNE	NNE	NNE	NNE	N	N	NNW	NNE	NNE	NNE	NNE	NNE	NNE	NNE	316(NW)						
Sep 3	5.7	4.8	0.4	0.9	5.6	4.0	4.1	5.3	1.9	4.3	4.9	4.0	7.2	8.8	7.2	6.4	5.7	4.7	7.4	4.5	3.6	3.3	3.1	4.1	N	N	NE	ESE	NNE	N	N	W	NW	0.4	8.8	4.7				
	N	N	NE	ESE	NNE	N	NNE	NNE	ESE	ESE	SE	ENE	N	N	N	N	NNE	WNW	NNW	NNW	NNW	N	N	W	NW	N	N	N	N	N	N	N	N	12(NNE)						
Sep 4	4.7	4.8	6.9	5.9	5.9	8.3	9.4	8.4	9.0	9.3	7.2	7.1	8.1	11.3	12.6	9.8	10.2	9.3	5.8	1.3	2.6	3.7	4.0	4.0	NW	NW	NW	NW	NW	NW	NNW	NNW	N	1.3	12.6	7.1				
	NW	NW	NW	NW	NW	NW	NNW	NW	NW	NW	WNW	NW	NW	W	W	W	W	W	WSW	SSW	N	NNW	NNW	N	N	NNW	NW	NW	NW	NW	NW	NW	NW	N	306(NW)					
Sep 5	4.4	1.9	4.0	2.4	1.1	0.9	2.2	3.7	6.7	7.3	9.0	11.5	13.0	14.9	15.4	18.1	17.7	15.7	12.4	10.7	10.6	10.0	9.8	9.3	NNW	NNW	N	N	NNE	ESE	SSE	S	0.9	18.1	8.9					
	NNW	N	N	N	NNE	ESE	ESE	SSE	S	S	S	S	S	S	S	S	S	S	SSE	S	S	SSW	SSW	SW	SW	SSW	NW	N	NNE	ESE	SSE	S	176(S)							
Sep 6	4.0	2.3	1.4	1.3	1.5	1.3	5.8	3.5	5.7	7.6	9.6	10.3	13.2	14.1	10.8	11.1	11.7	8.6	6.7	5.3	5.3	4.1	5.7	6.1	SW	ENE	NNW	SSW	SSE	WNW	SW	WSW	W	1.3	14.1	6.5				
	SW	ENE	NNW	SSW	SSE	WNW	SW	WSW	SW	WSW	W	W	W	W	W	W	W	WSW	W	W	SW	SW	WNW	W	W	SSW	NW	NW	SSW	SSW	SSW	SSW	SSW	W	257(WSW)					
Sep 7	6.3	4.4	5.8	7.3	5.2	8.4	8.2	5.1	4.1	8.9	11.5	12.0	15.2	17.4	14.0	12.7	15.7	11.1	8.1	6.0	5.6	1.2	2.1	5.7	WSW	WSW	WSW	SW	WSW	WNW	NW	WNW	NW	1.2	17.4	8.4				
	WSW	WSW	WSW	SW	WSW	WNW	NW	WNW	WSW	S	S	W	W	W	W	WNW	WNW	W	W	WNW	NW	N	SW	SW	SW	WSW	WSW	WSW	SW	WSW	WNW	NW	WSW	WSW	269(W)					
Sep 8	4.6	3.5	4.0	1.8	1.2	4.8	2.9	2.5	1.0	3.4	4.3	1.1	1.0	0.8	3.5	1.8	5.5	9.1	10.1	9.7	10.1	11.9	11.3	10.2	NW	NW	NW	NW	NW	NW	NNW	NNW	N	0.8	11.9	5.0				
	WSW	WSW	SW	SW	WSW	W	WNW	SSW	S	S	S	SE	N	E	SSW	NNW	N	NNE	NNE	N	N	N	N	N	N	NNW	NW	NW	NW	NW	NW	NNW	NNW	N	286(WNW)					
Sep 9	10.6	8.2	7.3	7.7	5.7	11.0	12.7	11.2	9.7	13.1	18.5	17.7	15.5	12.9	14.3	11.3	12.7	14.4	11.8	13.8	10.8	8.2	6.9	7.7	N	N	N	N	N	N	N	N	N	5.7	18.5	11.4				
	N	N	NNW	NNW	WNW	WNW	WNW	WNW	W	W	W	W	W	WNW	NNW	NNW	NW	W	W	W	WNW	NW	NW	WNW	NW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	303(WNW)					
Sep 10	6.5	6.2	4.0	4.4	2.8	3.0	4.7	7.2	10.6	10.3	8.4	7.0	9.7	8.3	5.5	3.9	3.6	2.4	4.6	1.4	4.3	4.0	2.9	5.1	WNW	WNW	WSW	W	W	SW	SSW	SSW	SSW	SSW	1.4	10.6	5.5			
	WNW	WNW	WSW	W	W	SW	SSW	SSW	SSW	SSW	S	S	SSW	S	SSW	S	SSW	W	WSW	S	S	SW	N	N	N	N	SSW	NW	NW	SSW	SSW	SSW	SSW	SSW	235(SW)					
Sep 11	3.6	5.4	5.8	6.4	5.1	6.6	7.6	6.4	6.2	6.5	5.7	7.3	6.6	8.0	8.6	7.7	6.9	5.8	4.3	7.2	9.8	3.2	3.5	2.9	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	2.9	9.8	6.1				
	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	E	E	E	E	ESE	ESE	SE	ESE	E	ESE	SE	SE	ESE	E	NE	N	NNW	NW	NW	NW	NW	NNW	NNW	NNW	75(ENE)						
Sep 12	4.2	4.1	3.7	4.4	4.1	2.9	2.7	3.6	2.9	0.7	0.5	1.6	2.1	10.7	6.1	4.6	5.7	7.4	6.7	3.0	3.1	2.5	0.9	2.6	N	N	N	N	N	N	N	N	N	0.5	10.7	3.8				
	NE	NE	NNE	N	NNE	N	N	NNE	ENE	ESE	SSW	S	SSE	S	S	S	SSE	SSE	S	SSW	WSW	NW	NNW			NNW	NW	NW	NW	NW	NNW	NNW	NNW	91(E)						
Sep 13	0.2	3.0	2.5	3.6	1.4	1.9	2.3	3.7	6.2	6.2	7.3	5.2	4.1	8.0	11.1	8.2	6.0	5.6	3.3	2.9	2.8	2.8	4.6	4.9	NNW	NW	NW	NNW	E	ENE	SSW	SW	SSW	SSE	0.2	11.1	4.5			
	NNE	NW	NW	NNW	E	ENE	SSW	SW	SSW	SSW	S	SSE	S	W	W	WNW	W	W	WNW	W	W	WNW	WNW	WNW	NW	NNW	NW	NW	NW	NW	NW	NW	NW	271(W)						
Sep 14	5.2	3.8	4.4	8.1	1.5	0.9	2.4	3.5	3.8	4.3	9.9	11.6	10.5	11.4	11.6	7.3	9.9	9.0	8.1	6.2	5.5	4.3	1.1	2.6	NW	WNW	NNW	NW	SE	S	W	NW	NNW	0.9	11.6	6.1				
	NW	NNW	NNW	NW	SE	S	W	NW	NW	WNW	W	W	WNW	WNW	WNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	SW	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	301(WNW)						
Sep 15	3.6	5.3	8.1	8.1	6.9	5.7	8.1	7.9	6.0	4.6	6.3	8.4	10.3	13.3	11.0	11.5	10.3	11.1	4.8	3.6	7.2	9.1	8.5	8.5	W	WNW	NW	NW	NNW	NW	NW	NW	NW	3.6	13.3	7.8				
	W	WNW	NW	NW	NNW	NW	NW	NW	NW	W	W	W	WSW	SW	W	WSW	WSW	SW	SW	SW	SW	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	269(W)						
Sep 16	8.3	7.0	7.7	10.0	9.7	8.6	10.2	9.7	14.8	16.1	14.7	13.0	13.5	15.6	15.1	13.7	11.5	10.9	8.3	3.3	2.5	3.6	2.9	2.1	SSW	SW	SW	SW	SW	SW	SW	SW	SW	2.1	16.1	9.7				
	SSW	SW	SW	SW	SW	SW	W	W	W	W	W	W	WSW	WSW	WSW	WSW	SW	W	W	WSW	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	252(WSW)						
Sep 17	3.4	2.4	1.3	0.7	1.2	2.3	2.1	1.8	NRM		NRM		NRM		9.7	8.3	9.9	9.7	7.7	6.5	4.1	1.2	4.0	4.5	4.0	WNW	SSW	NW	N	NE	NNE	SE	0.7	9.9	4.4					
	WNW	SSW	NW	N	NE	NNE	SE	SE	NRM		NRM		NRM		S	S	SSW	S	S	SSW	SSW	ESE	S	SSW	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	197(SSW)						
Sep 18	6.4	5.8	6.8	7.0	6.6	7.9	6.7	9.1	9.9	8.7	6.7	5.3	2.7	6.7	11.2	10.8	12.3	10.2	5.7	5.8	7.4	8.6	10.4	13.7	N	N	N	N	N	N	N	N	2.7	13.7	8.0					
	SW	WSW	W	NW	NNW	NNW	NW	NW	NW	NW	WNW	WNW	W	SW	SW	SW	WSW	SW	SW	SW	SW	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	274(W)					
Sep 19	11.8	10.8	11.5	13.9	15.8	12.1	11.4	12.7	13.9	14.5	12.7	7.6	13.3	16.7	14.2	13.3	11.5	6.7	4.1	2.7	3.5	3.6	6.1	7.0	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	2.7	16.7	10.5				
	W	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSW	WSW	W	W	W	W	WNW	WNW	WNW	NW	NW	WNW	WNW	NNW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	284(WNW)					
Sep 20	9.1	8.2	9.0	2.4	3.0	6.2	7.1	7.2	11.6	9.9	8.7	7.6	8.6	8.9	9.9	14.5	9.5	4.2	4.7	5.0	4.4	3.3	2.2	3.0	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	2.2	14.5	7.0				
	NW	NW	NW	N	WSW	NW	NNW	NNW	NNE	NE	NNE	N	NNW	NW	WNW	WSW	WNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	324(NW)					
Sep 21	3.0	3.0	4.3	1.6	1.9	1.4	2.6	1.5	6.6	5.4	8.2	9.2	10.9	17.7	14.2	13.8	15.1	14.9	6.3	5.7	3.0	7.3	9.7	9.0	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	1.4	17.7	7.3				
	WNW	WNW	SSW	W	W	SSW	ESE	E	ESE	SSE	SSE	SSE	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	205(SSW)					
Sep 22	5.6	7.5	3.8	6.5	5.2	5.2	0.7	1.0	0.9	4.7	10.6	11.4	14.0	13.2	14.5	12.6	10.3	8.8	3.8	4.8	4.6	5.3	7.5	7.6	W	W	W	W	W	W	W	W	W	0.7	14.5	7.1				
	W	SW	SW	SW	S	SSW	NW	E	NE	SSW	SSW	NW	W	WSW	WSW	W	W	WSW	WSW	WSW	WSW	W	WNW	NW	NNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	251(WSW)					
Sep 23	3.9	1.7	1.3	4.4	0.1	2.5	2.8	1.7	3.7	4.5	6.5	10.3	16.1	16.7	16.3	17.7	16.0	11.9	8.4	13.8	11.5	10.9	14.3	12.8	WSW	WNW	W	SSW	NW	SW	SSW	SSW	SSW	0.1	17.7	8.7				
	WSW	WNW	W	SSW	NW	SW	SSW	S	S	SSW	S	S	SSW	SW	SW	WSW	WSW	SW	SW	SW	WSW	SW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	22					

END OF REPORT

This page, 147 of 147, ends the September 2024 Monthly Ambient Air Quality Monitoring Report.



Peace River Area Monitoring Program

SEPTEMBER 2024

Ambient Air Monitoring Calibration Report

- 842-B STATION-

CAL-PRAMP-202409-01561

Operation and Maintenance:

Bureau Veritas Canada

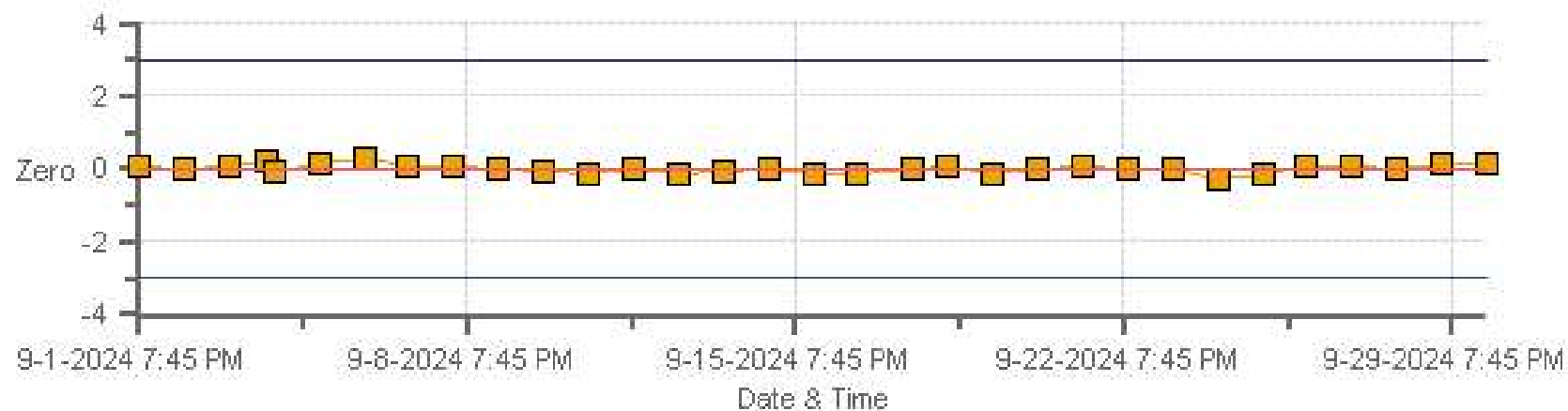
Data Validation and Report:

Bureau Veritas Canada

October 17, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO₂[ppb] Calibration: PRAMP 842-B Monthly: 09-2024 Type: SpanAndZero - Zero



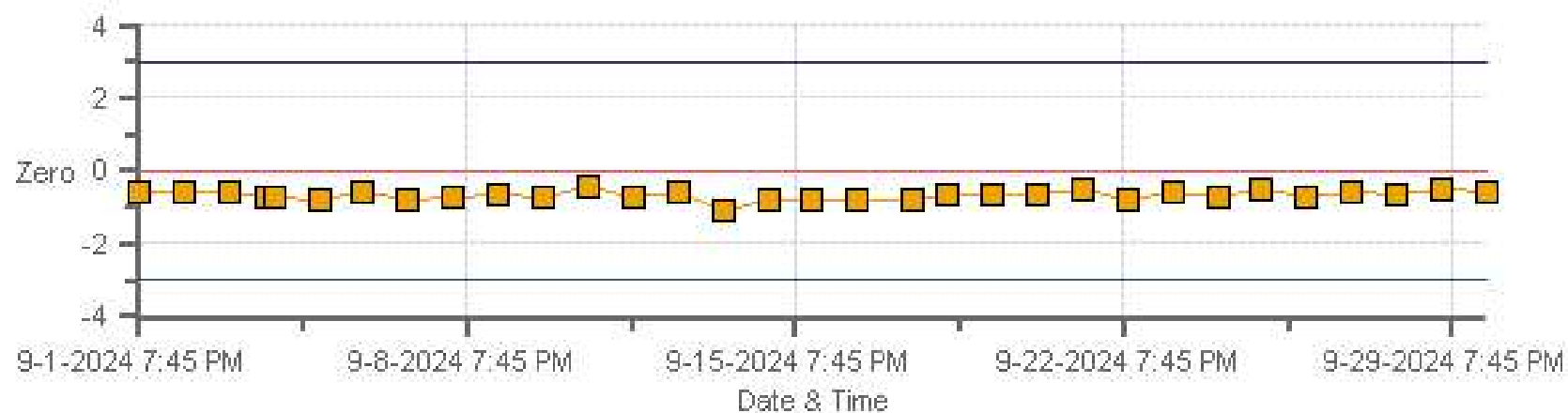
Zero Zero Ref Zero Low Zero High

SO₂[ppb] Calibration: PRAMP 842-B Monthly: 09-2024 Type: SpanAndZero - Span



Span SpanRef Span Low Span High

TRS[ppb] Calibration: PRAMP 842-B Monthly: 09-2024 Type: SpanAndZero - Zero



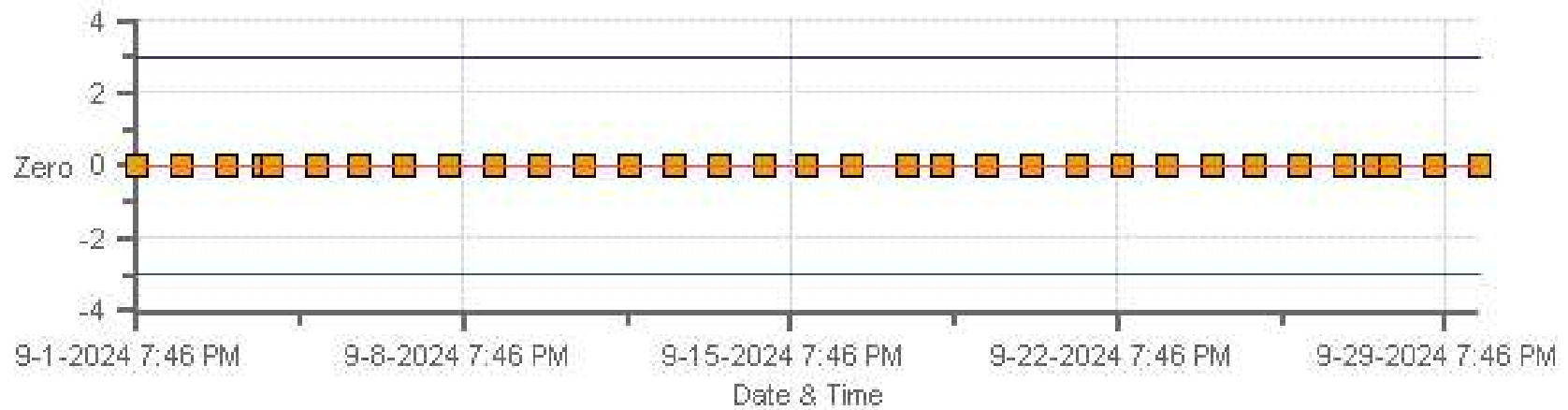
Zero Zero Ref Zero Low Zero High

TRS[ppb] Calibration: PRAMP 842-B Monthly: 09-2024 Type: SpanAndZero - Span



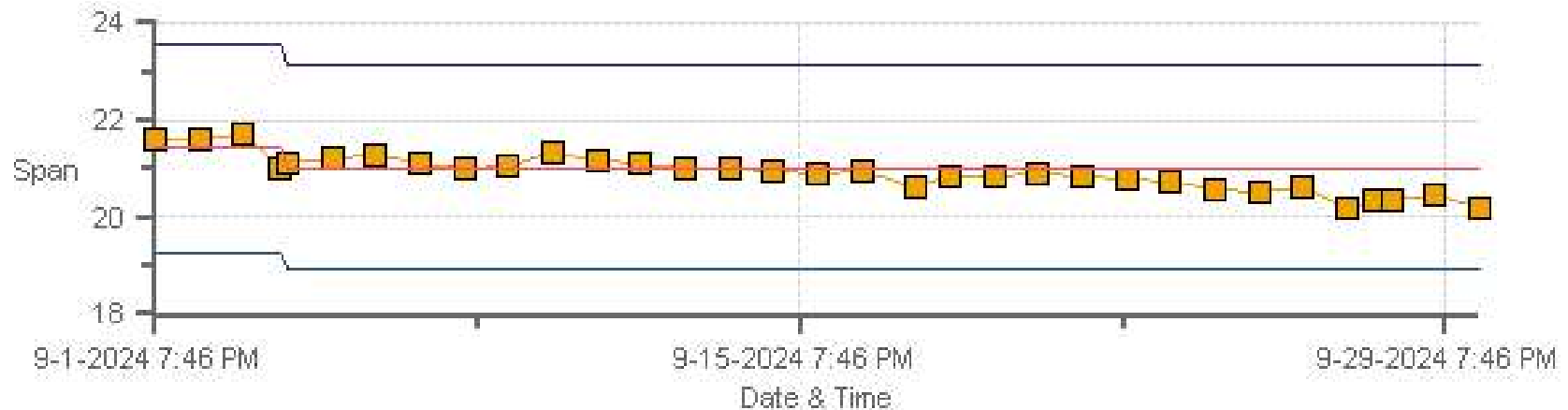
Span Span Ref Span Low Span High

THC55[ppm] Calibration: PRAMP 842-B Monthly: 09-2024 Type: SpanAndZero - Zero



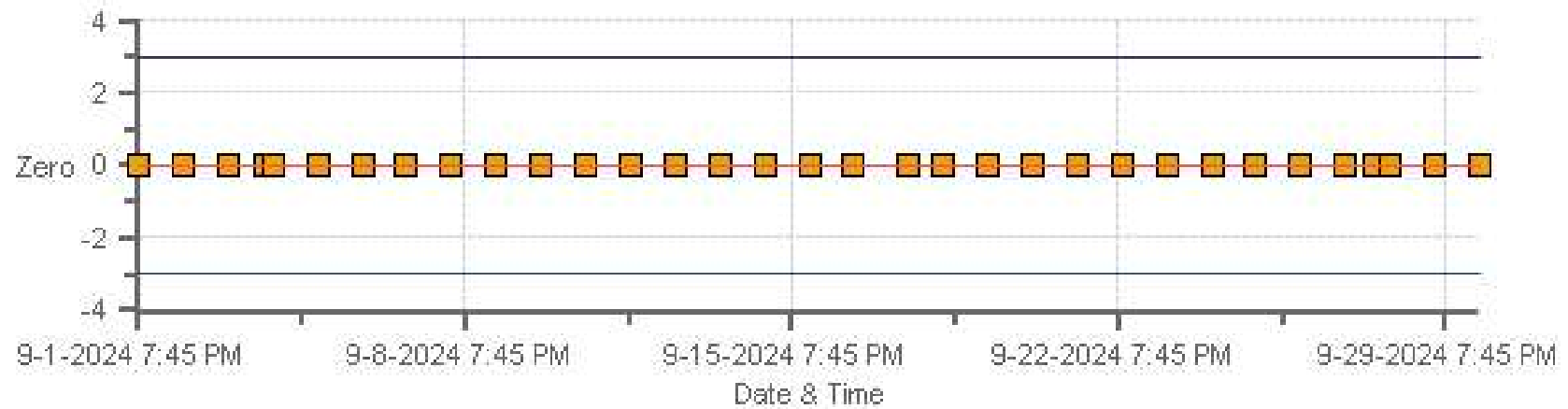
Zero Zero Ref Zero Low Zero High

THC55[ppm] Calibration: PRAMP 842-B Monthly: 09-2024 Type: SpanAndZero - Span

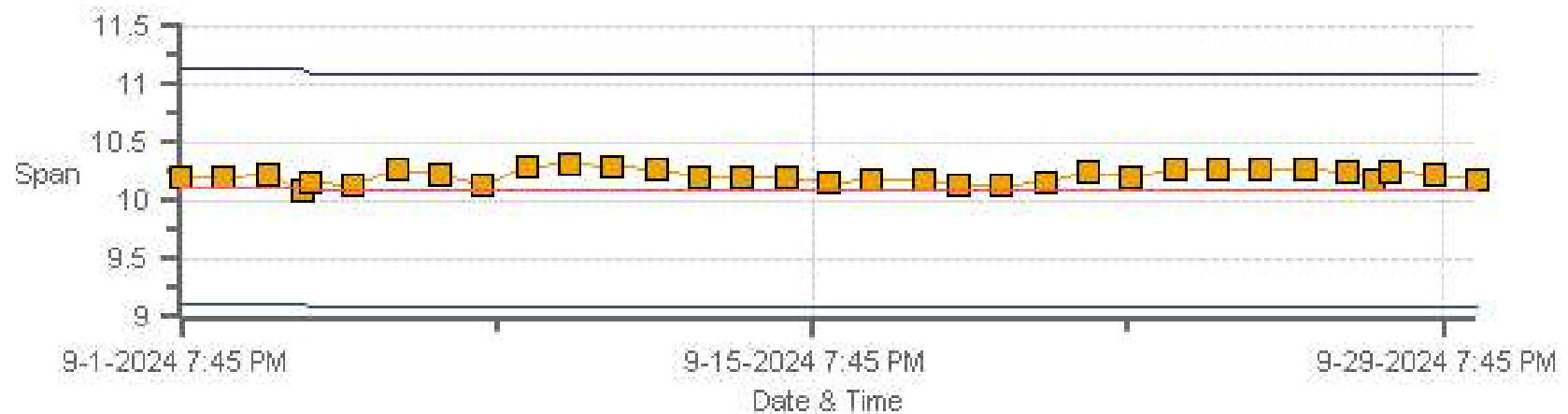


Span Span Ref Span Low Span High

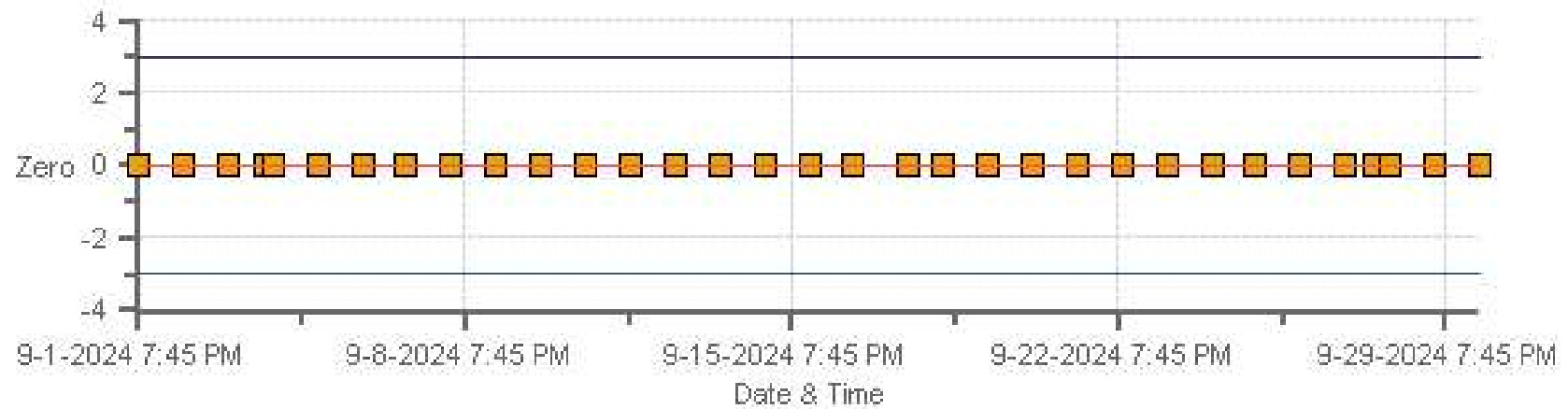
CH4[ppm] Calibration: PRAMP 842-B Monthly: 09-2024 Type: SpanAndZero - Zero



CH4[ppm] Calibration: PRAMP 842-B Monthly: 09-2024 Type: SpanAndZero - Span

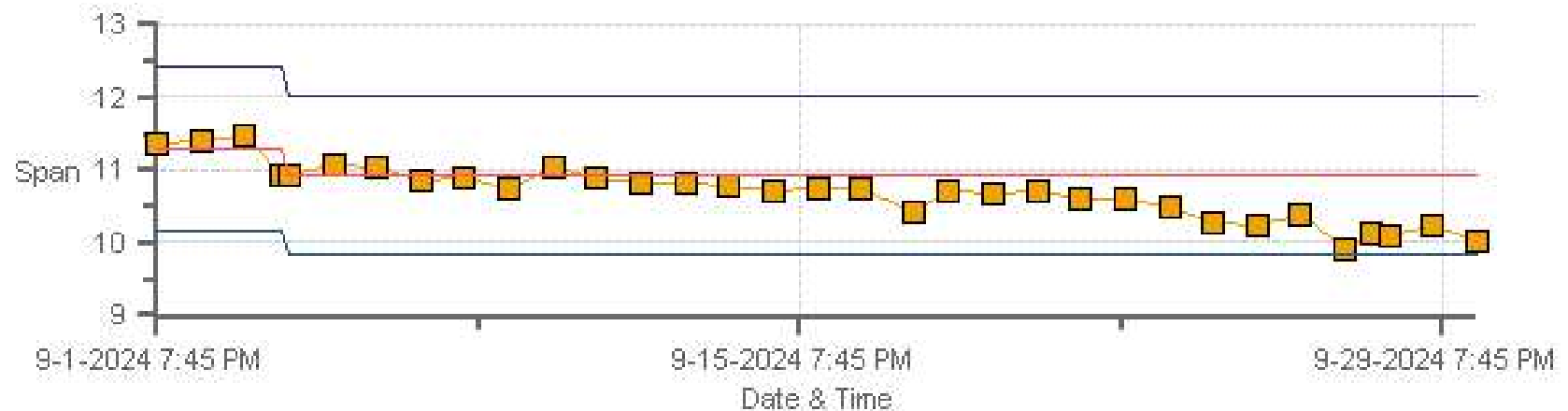


NMHC[ppm] Calibration: PRAMP 842-B Monthly: 09-2024 Type: SpanAndZero - Zero



Zero Zero Ref Zero Low Zero High

NMHC[ppm] Calibration: PRAMP 842-B Monthly: 09-2024 Type: SpanAndZero - Span



Span Span Ref Span Low Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution



DATE:	04-Sep-2024	PREVIOUS CALIBRATION DATE:	03-Aug-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.997
CLIENT:	PRAMP	TEMPERATURE (°C):	24.1
LOCATION:	842b	BAROMETRIC (mBar):	952
PURPOSE:	Routine	START TIME (MST):	08:57
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:55

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	500 ppb
SERIAL #	1200736629	FLOW (mL/min)	428
INITIAL		FINAL	
BKG/OFFSET	8.7	BKG/OFFSET	8.9
COEF/SLOPE	1.122	COEF/SLOPE	1.137
Expected (reference) Value	241.4	Expected (reference) Value	242.0

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL109693	HIGH ID	n/a
CONC (ppm):	25.00	EXPIRY DATE	n/a
CYLINDER (psi):	300	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
2999	45.60	2999	0.00	0	0	1.020	0.999
2953	45.60	2999	380.13	372.8	380.4	1.020	0.999
2977	21.60	2999	180.06	n/a	181	n/a	0.995
2989	10.80	3000	90.00	n/a	90.8	n/a	0.991

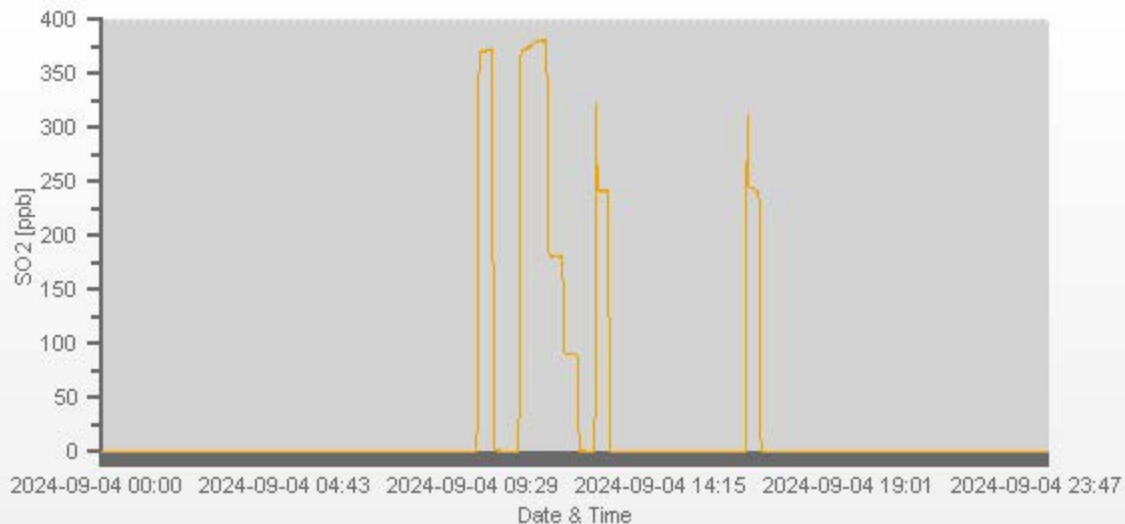
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	0.1%

COMMENTS:

Sample Filter Changed

SO2[ppb] Station: PRAMP 842-B Daily: 2024-09-04 Type: AVG 1 Min. [1 Min.]



CAL-PRAMP-202409-01561

TRS Analyzer Calibration by Dilution



DATE:	04-Sep-2024	PREVIOUS CALIBRATION DATE:	03-Aug-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.996
CLIENT:	PRAMP	TEMPERATURE (°C):	24.1
LOCATION:	842b	BAROMETRIC (mBar):	952
PURPOSE:	Routine	START TIME (MST):	08:57
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:55

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	100 ppb
SERIAL #	1200736630	FLOW (mL/min)	378
INITIAL		FINAL	
BKG/OFFSET	15.9	BKG/OFFSET	15.9
COEF/SLOPE	0.962	COEF/SLOPE	9.962
Expected (reference) Value	47.07	Expected (reference) Value	46.71

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1100	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:

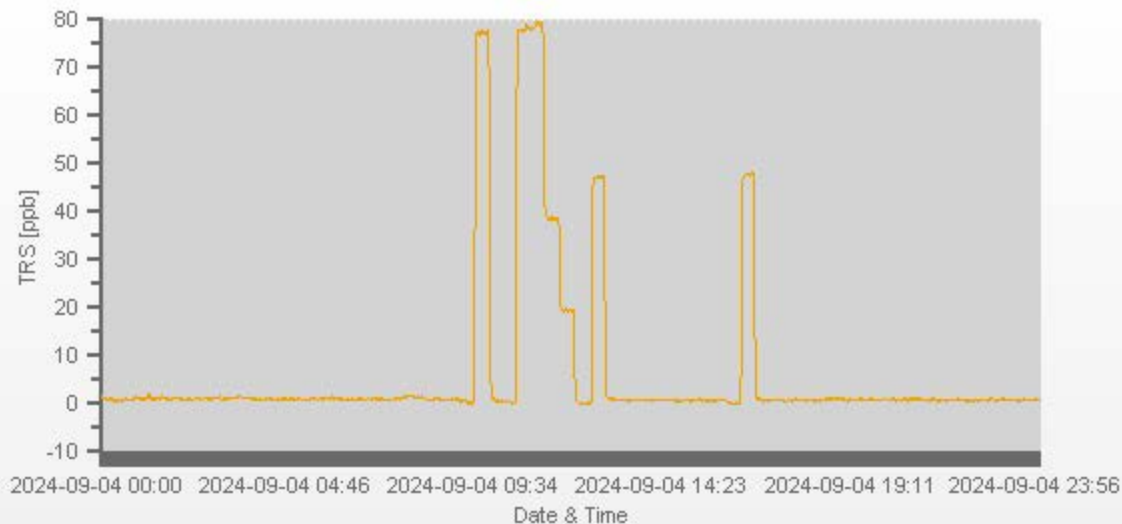
FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4000	30.90	4000	0.00	-0.4	0	1.012	0.994
3969	30.90	4000	77.95	76.59	78.43	1.012	0.994
3984	15.10	3999	38.10	n/a	37.85	n/a	1.007
3993	7.50	4000	18.92	n/a	18.71	n/a	1.011

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.007	-0.2%

COMMENTS:

Sample Filter Changed
TRS Converter CDNOVA CDN #552



Methane/Non-Methane Analyzer Calibration by Dilution



CALIBRATION:				ANALYZER:			
DATE:	04-Sep-2024	PREVIOUS CALIBRATION DATE:	27-Aug-2024	VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
CLIENT:	PRAMP	TEMPERATURE (°C):	24.1		Thermo 55i	1501663728	1053
LOCATION:	842b	BAROMETRIC (mBar):	952	PARAMETER:	CH4	NMHC	THC
PURPOSE	Routine	START TIME (MST):	08:57	RANGE (ppm):	20	20	40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:47	PREVIOUS CF:	0.999	1.002	1.001

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 ₃ H ₈ (ppm):	897.0 301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	800	LOW ID:	n/a
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029	LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH ₄ /NMHC)	HIGH	MID	LOW	CH ₄ EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C ₃ H 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:

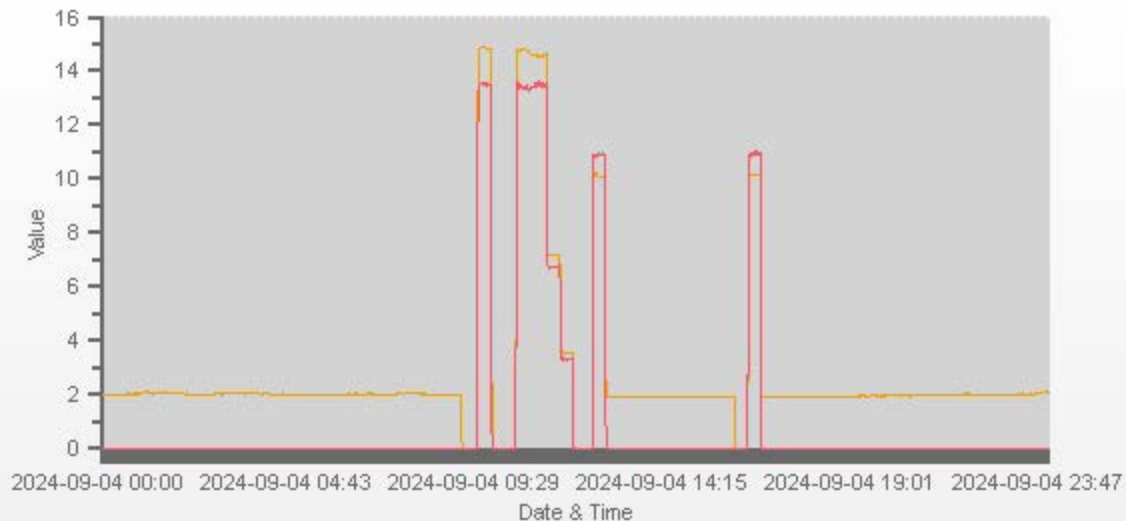
INITIAL	CH ₄	NMHC	THC	FINAL	CH ₄	NMHC	THC
	10.12	11.29	21.42		10.09	10.91	21.00

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC
3501	X	3501	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	X	X	X	X	X	X
3443	56.80	3500	14.56	13.43	27.99	14.85	13.49	28.34	14.54	13.51	28.06	0.980	0.996	0.988	1.001	0.994	0.998
3473	28.40	3501	7.28	6.71	13.99	n/a	n/a	n/a	7.21	6.74	13.95	n/a	n/a	n/a	1.009	0.996	1.003
3488	14.20	3502	3.64	3.36	6.99	n/a	n/a	n/a	3.58	3.30	6.88	n/a	n/a	n/a	1.016	1.017	1.017

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT	Comments:
CH ₄	1.000	1.000	-0.2%	
NMHC	1.000	1.008	-0.2%	
THC	1.000	1.004	-0.2%	



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CH4 [ppm] NMHC [ppm]

Meteorological System Checklist



Date:	September 4, 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:	August 3, 2024		
Is the sensor Level?	yes		
Is the heater operating properly?	yes		
Are the bucket drain holes clean?	yes	test time:12:55-13:04	
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:	August 3, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	F.S. 181341226 expires July 24, 2025		
Reference Temperature (°C):	21.3		
Station - Ambient Temperature (°C):	21.0		
Temperature Difference (°C):	0.3		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	August 3, 2024		
Reference Barometer ID:	Brunton 05535 Expires July 24,2025		
Reference Pressure - Units/Reading:	millibar	953	
Station Pressure - Units/Reading:	millibar	953.1	
Pressure Tolerance +/- 15% of error:	810 - 1096	-0.01%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	August 3, 2024		
Reference Hygrometer ID:	F.S. 181341226 expires July 24, 2025		
Reference Hygrometer % RH- Reading:	48.10		
Station Hygrometer % RH- Reading:	53.60		
RH Tolerance +/- 15% of difference:	40.89 - 55.32	-11.4%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	W
Wind speed on Data Logger (kph):	14.4	Wind Direction on Data Logger:	W
		Wind Direction Pass/Fail?:	Pass
Comments			



Meteorological Sensor Audit/Calibration

Location Information

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

Wind Sensor Information

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

Wind Calibrator Information

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

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

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

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

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

Comments:

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



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.



Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	Performed By:	Limin Li
Audit Location:	842b	Reviewed By:	Chris Wesson
Audit Date:	September 18, 2024	Start/End Time (mst):	13:02 - 13:30
Calibration Purpose:	shut down	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:	2024/08/022	Direction Unit Output Range:	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# CA03309 expires Feb 1, 2026

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	28	335	2.0	-5.0	3.5
60	300	56	308	4.0	-8.0	6.0
90	270	85	278	5.0	-8.0	6.5
120	240	115	246	5.0	-6.0	5.5
150	210	144	212	6.0	-2.0	4.0
180	180	178	178	2.0	2.0	2.0
210	150	210	147	0.0	3.0	1.5
240	120	244	116	-4.0	4.0	4.0
270	90	277	86	-7.0	4.0	5.5
300	60	306	57	-6.0	3.0	4.5
330	30	334	28	-4.0	2.0	3.0
355	0	354	2	1.0	2.0	1.5
		The audit meets AMD requirements.	Average Absolute Degrees Difference=		3.8	

Comments:

Declination = 15 deg East



Meteorological Sensor Audit/Calibration

Location Information						
Company:	PRAMP	Performed By:	Limin Li			
Audit Location:	842b	Reviewed By:	Chris Wesson			
Audit Date:	September 18, 2024	Start/End Time (mst):	14:04 - 14:33			
Calibration Purpose:	post repair	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 22, 2024	Direction Unit Output Range:	0-360			
Wind Calibrator Information						
Calibrator I.D. and Expiry Date: RM Young 18802 id# CA03309 expires Feb 1, 2026						
Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**						
RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor		
0	0	0.0	0.0	-		
1000	18.4	18.3	18.3	1.007		
2000	36.9	36.7	36.7	1.004		
3000	55.3	55.1	55.1	1.003		
4000	73.7	73.6	73.6	1.002		
5000	92.2	92.0	92.0	1.002		
6000	110.6	110.5	110.5	1.001		
7000	129.0	128.9	128.9	1.001		
8000	147.4	147.3	147.3	1.001		
9000	165.9	165.8	165.8	1.000		
10000	184.3	184.2	184.2	1.001		
		The audit meets AMD requirements.	Average Correction Factor=	1.002		
Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**						
Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	0	354	0.0	1.0	0.5
30	330	29	330	1.0	0.0	0.5
60	300	59	301	1.0	-1.0	1.0
90	270	89	271	1.0	-1.0	1.0
120	240	119	241	1.0	-1.0	1.0
150	210	150	211	0.0	-1.0	0.5
180	180	180	181	0.0	-1.0	0.5
210	150	211	151	-1.0	-1.0	1.0
240	120	240	121	0.0	-1.0	0.5
270	90	270	90	0.0	0.0	0.0
300	60	300	59	0.0	1.0	0.5
330	30	329	30	1.0	0.0	0.5
355	0	354	0	1.0	0.0	0.5
The audit meets AMD requirements.			Average Absolute Degrees Difference=		0.6	
Comments:						
Declination = 15 deg East						
Potentiometer changed.						

END OF REPORT



Peace River Area Monitoring Program

SEPTEMBER 2024

Ambient Air Monitoring Calibration Report

- 986-C STATION-

CAL-PRAMP-202409-01562

Operation and Maintenance:

Bureau Veritas Canada

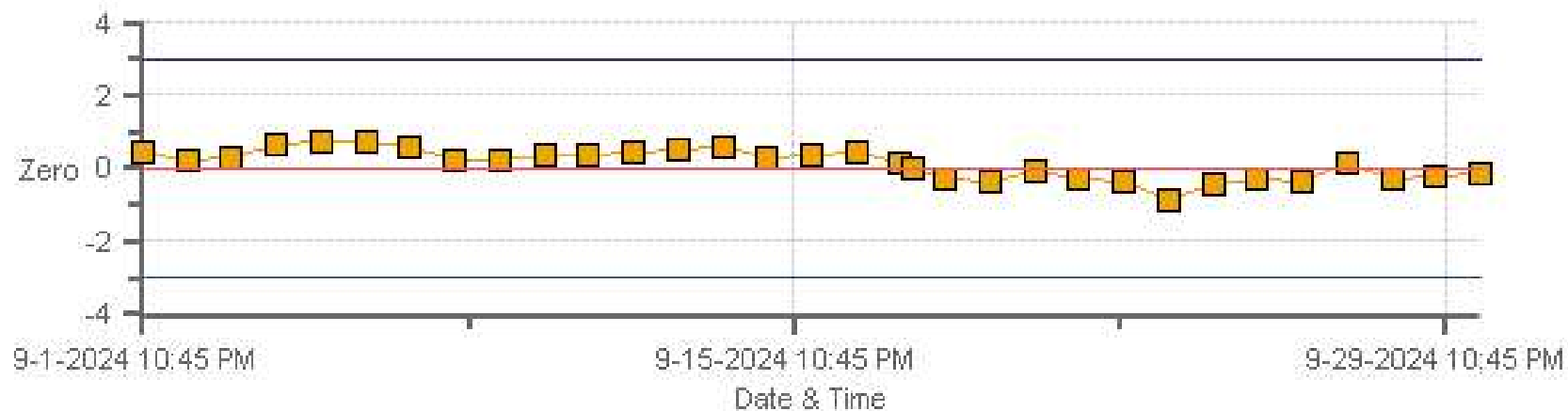
Data Validation and Report:

Bureau Veritas Canada

October 17, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO₂[ppb] Calibration: PRAMP 986-C Monthly: 09-2024 Type: SpanAndZero - Zero



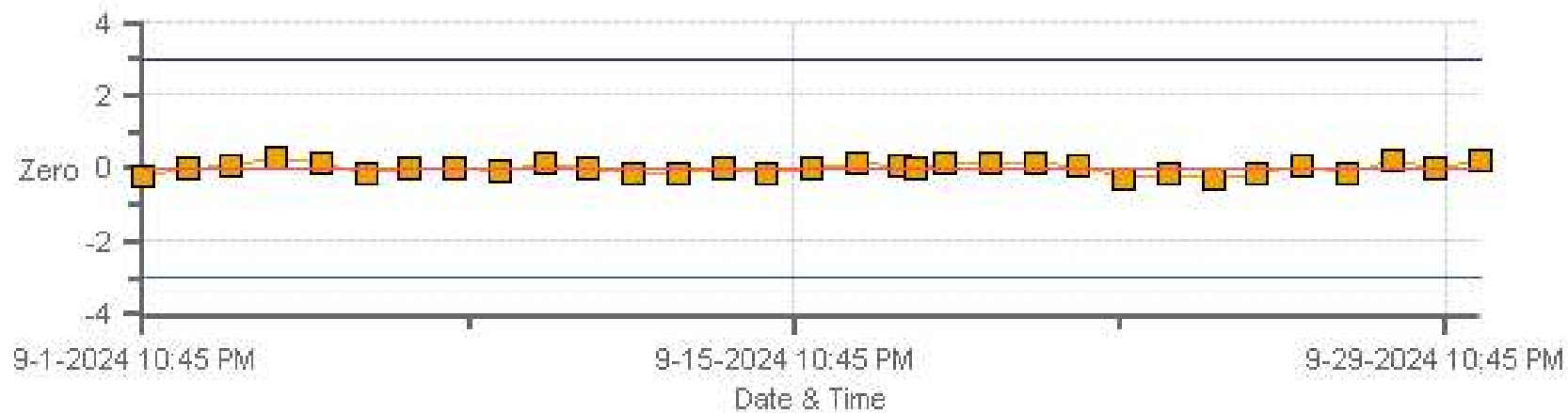
Zero Zero Ref Zero Low Zero High

SO₂[ppb] Calibration: PRAMP 986-C Monthly: 09-2024 Type: SpanAndZero - Span



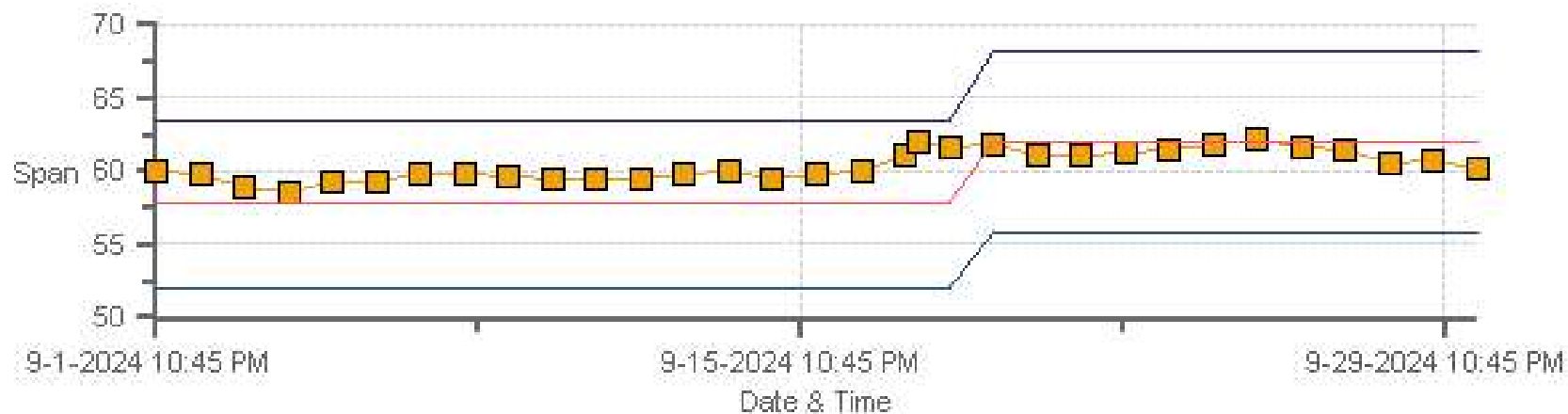
Span SpanRef Span Low Span High

TRS[ppb] Calibration: PRAMP 986-C Monthly: 09-2024 Type: SpanAndZero - Zero



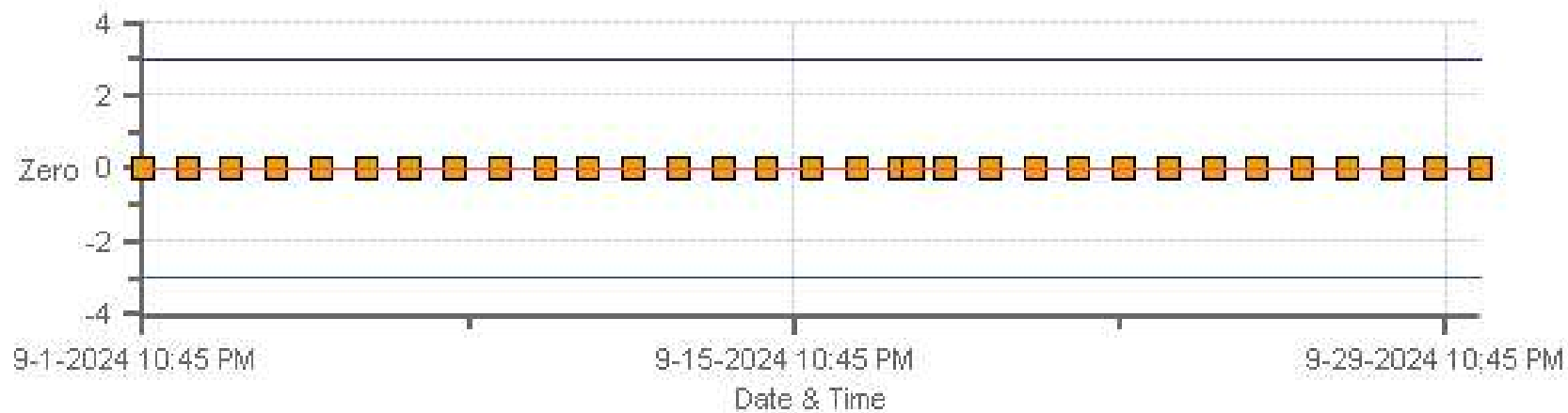
Zero Zero Ref Zero Low Zero High

TRS[ppb] Calibration: PRAMP 986-C Monthly: 09-2024 Type: SpanAndZero - Span



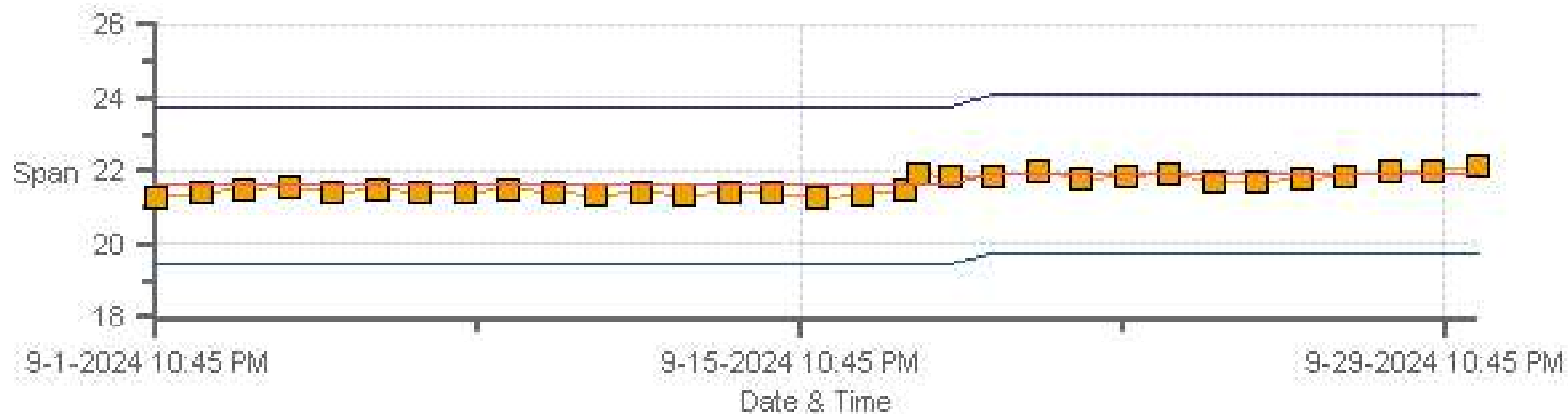
Span SpanRef Span Low Span High

THC55[ppm] Calibration: PRAMP 986-C Monthly: 09-2024 Type: SpanAndZero - Zero



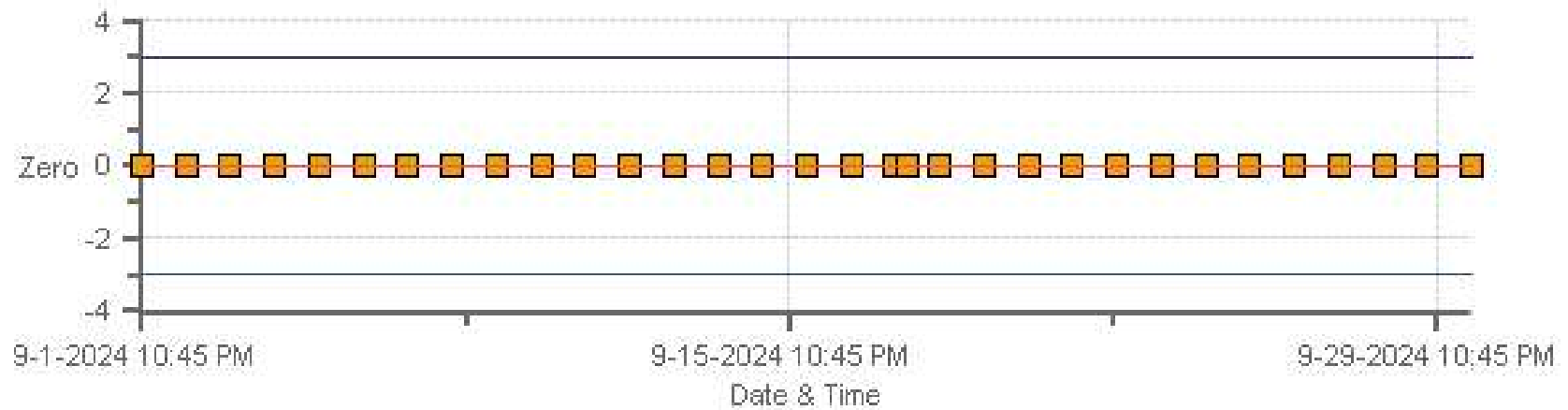
Zero Zero Ref Zero Low Zero High

THC55[ppm] Calibration: PRAMP 986-C Monthly: 09-2024 Type: SpanAndZero - Span



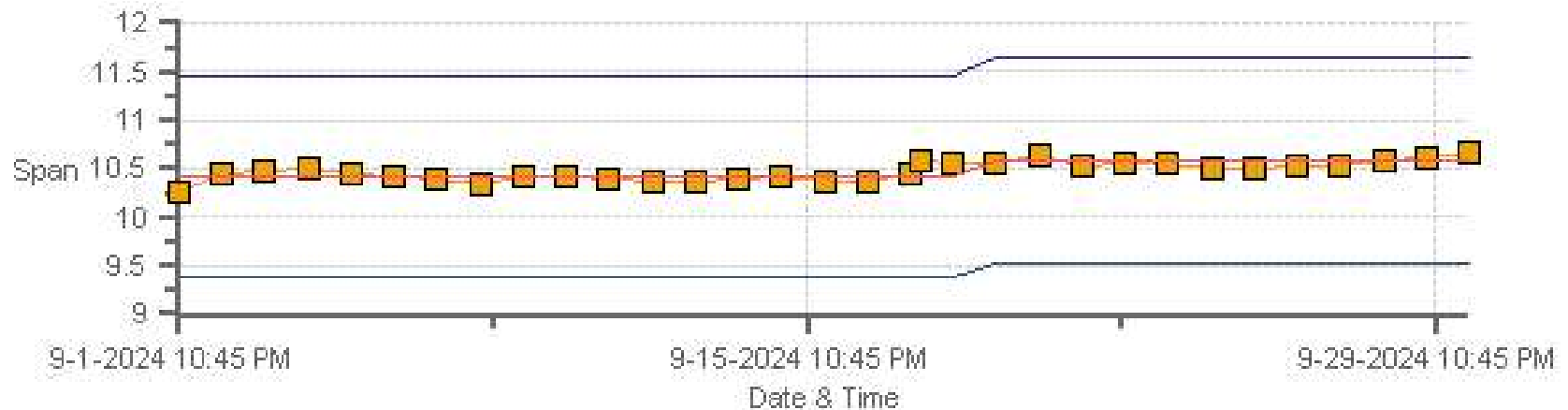
Span Span Ref Span Low Span High

CH4[ppm] Calibration: PRAMP 986-C Monthly: 09-2024 Type: SpanAndZero -Zero



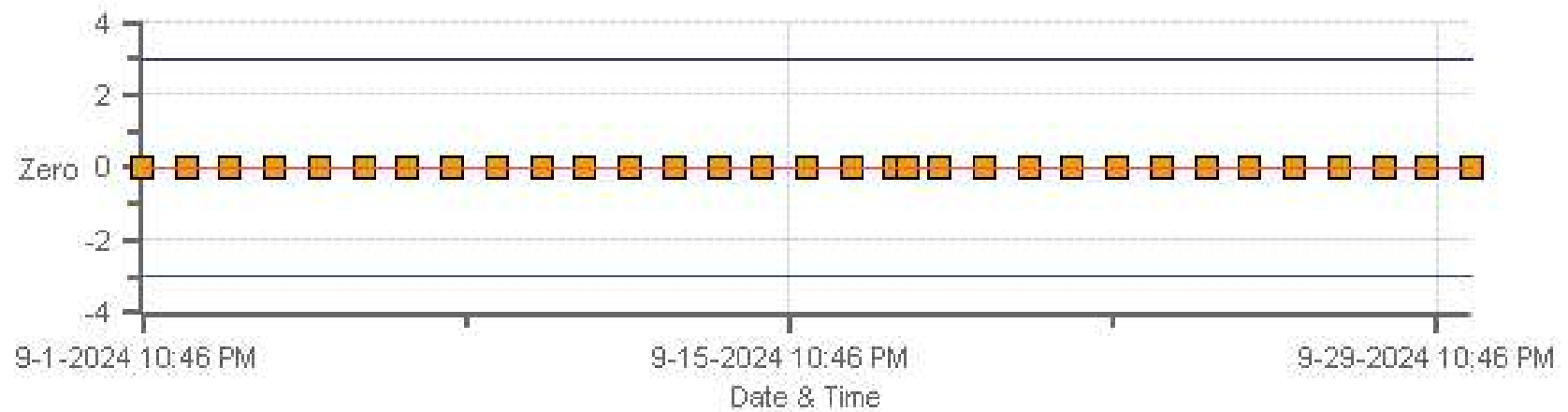
Zero Zero Ref Zero Low Zero High

CH4[ppm] Calibration: PRAMP 986-C Monthly: 09-2024 Type: SpanAndZero -Span



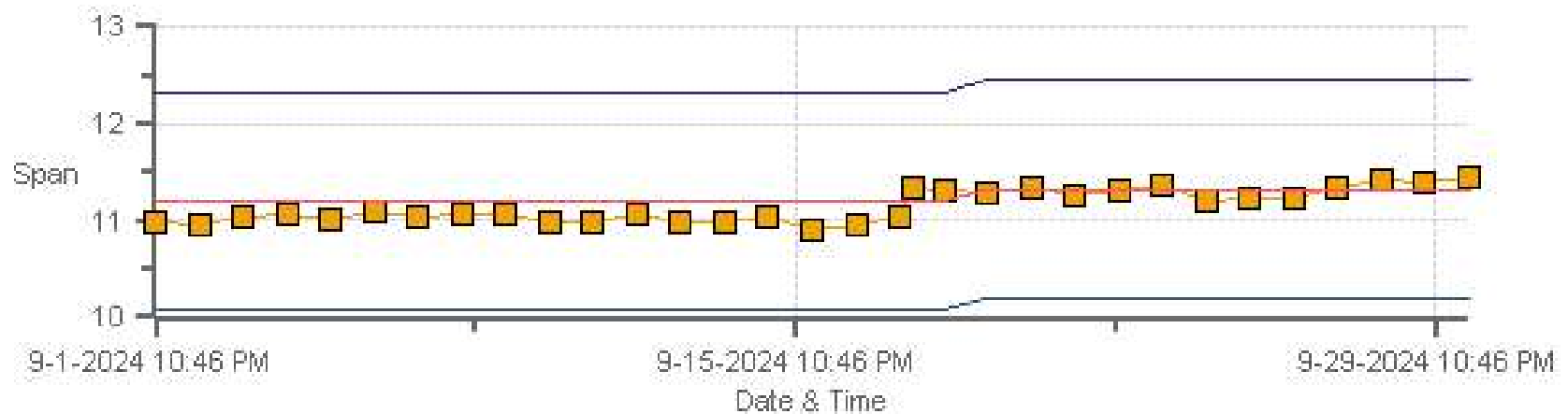
Span Span Ref Span Low Span High

NMHC[ppm] Calibration: PRAMP 986-C Monthly: 09-2024 Type: SpanAndZero - Zero



Zero Zero Ref Zero Low Zero High

NMHC[ppm] Calibration: PRAMP 986-C Monthly: 09-2024 Type: SpanAndZero - Span



Span Span Ref Span Low Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution



DATE:	18-Sep-2024	PREVIOUS CALIBRATION DATE:	07-Aug-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.996
CLIENT:	PRAMP	TEMPERATURE (°C):	23.6
LOCATION:	986C	BAROMETRIC (mBar):	938
PURPOSE:	Routine	START TIME (MST):	08:00
PERFORMED BY:	Limin Li	END TIME (MST):	11:28

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	500 ppb
SERIAL #	1193585646	FLOW (mL/min)	431
INITIAL		FINAL	
BKG/OFFSET	19.6	BKG/OFFSET	20.3
COEF/SLOPE	1.038	COEF/SLOPE	1.036
Expected (reference) Value	347.9	Expected (reference) Value	364.6

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	2020EXP
ID:	17200415	ID:	18500921
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL126722	HIGH ID	n/a
CONC (ppm):	50.60	EXPIRY DATE	n/a
CYLINDER (psi):	1650	LOW ID	n/a
EXPIRY DATE	28-Feb-2032	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			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
5000	37.50	5000	0.00	0.7	0	0.999	0.999
4963	37.50	5000	379.50	380.7	379.8	0.999	0.999
4982	17.80	5000	180.14	n/a	180.5	n/a	0.998
4991	8.90	5000	90.07	n/a	90.1	n/a	1.000

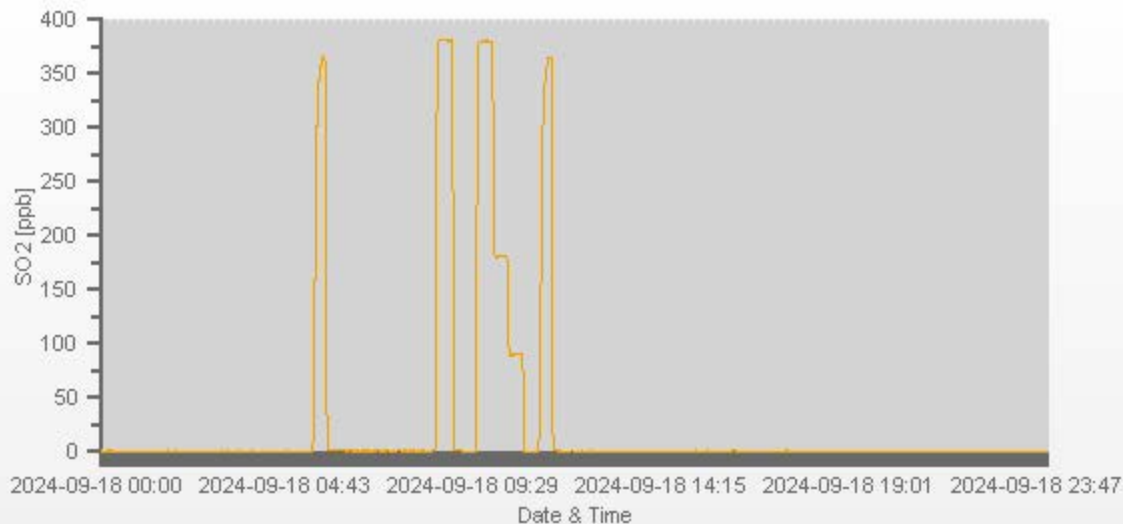
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	0.0%

COMMENTS:

Sample Filter Changed

SO2[ppb] Station: PRAMP 986-C Daily: 2024-09-18 Type: AVG 1 Min. [1 Min.]



CAL-PRAMP-202409-01562

TRS Analyzer Calibration by Dilution



DATE:	18-Sep-2024	PREVIOUS CALIBRATION DATE:	07-Aug-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.994
CLIENT:	PRAMP	TEMPERATURE (°C):	23.6
LOCATION:	986C	BAROMETRIC (mBar):	938
PURPOSE:	Routine	START TIME (MST):	08:00
PERFORMED BY:	Limin Li	END TIME (MST):	12:54

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	100 ppb
SERIAL #	1191833341	FLOW (mL/min)	422
INITIAL		FINAL	
BKG/OFFSET	17.2	BKG/OFFSET	17.8
COEF/SLOPE	1.018	COEF/SLOPE	1.049
Expected (reference) Value	57.76	Expected (reference) Value	61.98

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	2020EXP
ID:	042531101	ID:	18500921
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131372	HIGH ID	n/a
CONC (ppm):	10.14	EXPIRY DATE	n/a
CYLINDER (psi):	1900	LOW ID	n/a
EXPIRY DATE	22-Sep-2024	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:	08:26	SO2 Conc (ppb)	387
END TIME:	08:56	Analyzer Response (ppb)	0.0

CALIBRATION:

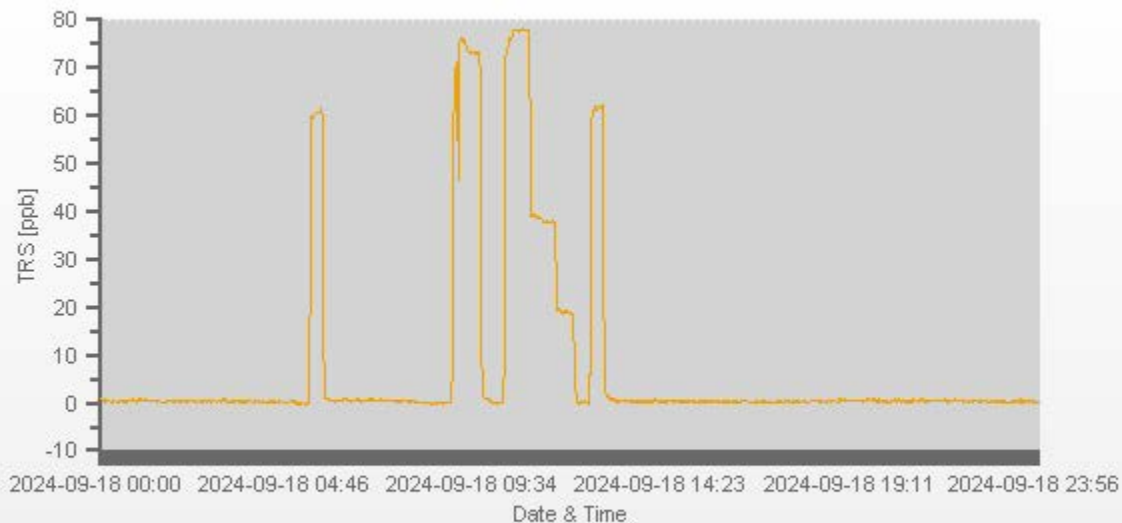
FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
7500	57.70	7500	0.00	0.05	-0.02	1.063	1.000
7442	57.70	7500	78.01	73.46	78	1.063	1.000
7472	28.10	7500	37.99	n/a	37.73	n/a	1.006
7486	14.10	7500	19.06	n/a	18.68	n/a	1.019

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	-0.2%

COMMENTS:

09:07 = low response. Regulator flushed



Methane/Non-Methane Analyzer Calibration by Dilution



CALIBRATION:				ANALYZER:			
DATE:	18-Sep-2024	PREVIOUS CALIBRATION DATE:	07-Aug-2024	VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
CLIENT:	PRAMP	TEMPERATURE (°C):	23.6		Thermo 55i	1022143392	994
LOCATION:	986C	BAROMETRIC (mBar):	938	PARAMETER:	CH4	NMHC	THC
PURPOSE	Routine	START TIME (MST):	08:30	RANGE (ppm):	20	20	40
PERFORMED BY:	Limin Li	END TIME (MST):	12:07	PREVIOUS CF:	0.998	0.999	0.999

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:		FLOWMETERS (if applicable):	
MAKE:	EnviroNics	MAKE:	Sabio	CYLINDER ID:	LL68768	HIGH ID:	n/a
MODEL:	6100	MODEL:	2020EXP	CH ₄ /C ₃ H ₈ (ppm):	897.0 301.0	HIGH EXPIRY:	n/a
ID:	5212	ID:	18500921	CYLINDER (psi):	700	LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	111	EXPIRY DATE	08-Nov-2029	LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH ₄ /NMHC)	HIGH	MID	LOW	CH ₄ EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C ₃ H 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	CH ₄	NMHC	THC	FINAL	CH ₄	NMHC	THC
	10.41	11.20	21.61		10.58	11.32	21.90

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC
3500	X	3500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	X	X	X	X	X	X
3443	56.81	3500	14.56	13.44	28.00	14.35	13.00	27.35	14.56	13.44	28.00	1.015	1.034	1.024	1.000	1.000	1.000
3473	28.41	3501	7.28	6.72	14.00	n/a	n/a	n/a	7.34	6.71	14.05	n/a	n/a	n/a	0.992	1.001	0.996
3487	14.20	3501	3.64	3.36	7.00	n/a	n/a	n/a	3.69	3.34	7.03	n/a	n/a	n/a	0.986	1.005	0.995

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT	Comments: Sample Filter Changed
CH ₄	1.000	0.999	0.2%	
NMHC	1.000	1.001	0.0%	
THC	1.000	1.000	0.1%	



CAL-PRAMP-202409-01562

Page 14 of 19
CH4 [ppm] NMHC [ppm]

Meteorological System Checklist



Date:	September 18, 2024		
Technician:	Limin Li		
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:	August 7, 2024		
Is the sensor Level?	yes		
Is the heater operating properly?	yes		
Are the bucket drain holes clean?	yes	Tested: 11:38-12:41	
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:	August 7, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	Thermohygrometer Model 20250-21, sn:230557117. expires Aug 17, 2025		
Reference Temperature (°C):	13.1		
Station - Ambient Temperature (°C):	13.0		
Temperature Difference (°C):	0.1		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	August 7, 2024		
Reference Barometer ID:	Brunton 05490 Expires Feb 05, 2025		
Reference Pressure - Units/Reading:	millibar	938.1	
Station Pressure - Units/Reading:	millibar	937.9	
Pressure Tolerance +/- 15% of error:	797 - 1079	0.02%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	August 7, 2024		
Reference Hygrometer ID:	Thermohygrometer Model 20250-21, sn:230557117. expires Aug 17, 2025		
Reference Hygrometer % RH- Reading:	55.00		
Station Hygrometer % RH- Reading:	58.00		
RH Tolerance +/- 15% of difference:	46.75 - 63.25	-5.5%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	August 7, 2024	Previous check date:	August 7, 2024
Wind Speed Observed (kph):	5~10	Wind Direction Observed:	NW
Wind speed on Data Logger (kph):	7.6	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:	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, replacement needed



Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	Performed By:	Limin Li
Audit Location:	986C	Reviewed By:	Chris Wesson
Audit Date:	September 17, 2024	Start/End Time (mst):	17:05 / 17:32
Calibration Purpose:	shut down	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 22, 2024	Direction Unit Output Range:	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# CA03309 expires Feb 1, 2026

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	29	333	1.0	-3.0	2.0
60	300	59	303	1.0	-3.0	2.0
90	270	87	273	3.0	-3.0	3.0
120	240	117	240	3.0	0.0	1.5
150	210	146	207	4.0	3.0	3.5
180	180	175	175	5.0	5.0	5.0
210	150	206	146	4.0	4.0	4.0
240	120	240	117	0.0	3.0	1.5
270	90	272	88	-2.0	2.0	2.0
300	60	303	58	-3.0	2.0	2.5
330	30	332	30	-2.0	0.0	1.0
355	0	354	1	1.0	1.0	1.0
		The audit meets AMD requirements.	Average Absolute Degrees Difference=		2.3	

Comments:

Declination = 15 deg East



Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	Performed By:	Limin Li
Audit Location:	986C	Reviewed By:	Chris Wesson
Audit Date:	September 17, 2024	Start/End Time (mst):	17:58 / 18:30
Calibration Purpose:	post repair	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 22, 2024	Direction Unit Output Range:	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# CA03309 expires Feb 1, 2026

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

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

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

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	2	354	2.0	1.0	1.5
30	330	32	331	-2.0	-1.0	1.5
60	300	61	301	-1.0	-1.0	1.0
90	270	91	270	-1.0	0.0	0.5
120	240	120	240	0.0	0.0	0.0
150	210	149	211	1.0	-1.0	1.0
180	180	180	180	0.0	0.0	0.0
210	150	210	150	0.0	0.0	0.0
240	120	240	120	0.0	0.0	0.0
270	90	270	90	0.0	0.0	0.0
300	60	301	62	-1.0	-2.0	1.5
330	30	331	32	-1.0	-2.0	1.5
355	0	354	2	1.0	2.0	1.5
		The audit meets AMD requirements.	Average Absolute Degrees Difference=		0.8	

Comments:

Declination = 15 deg East

Potentiometer changed.

END OF REPORT



Peace River Area Monitoring Program

SEPTEMBER 2024

Ambient Air Monitoring Calibration Report

- RENO-B STATION-

CAL-PRAMP-202409-01563

Operation and Maintenance:

Bureau Veritas Canada

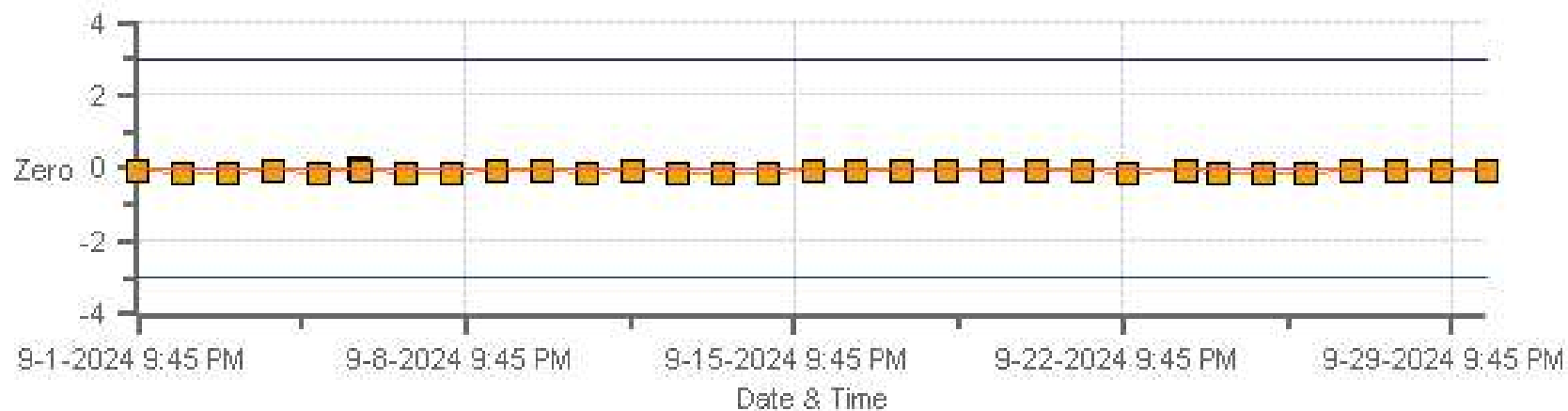
Data Validation and Report:

Bureau Veritas Canada

October 17, 2024

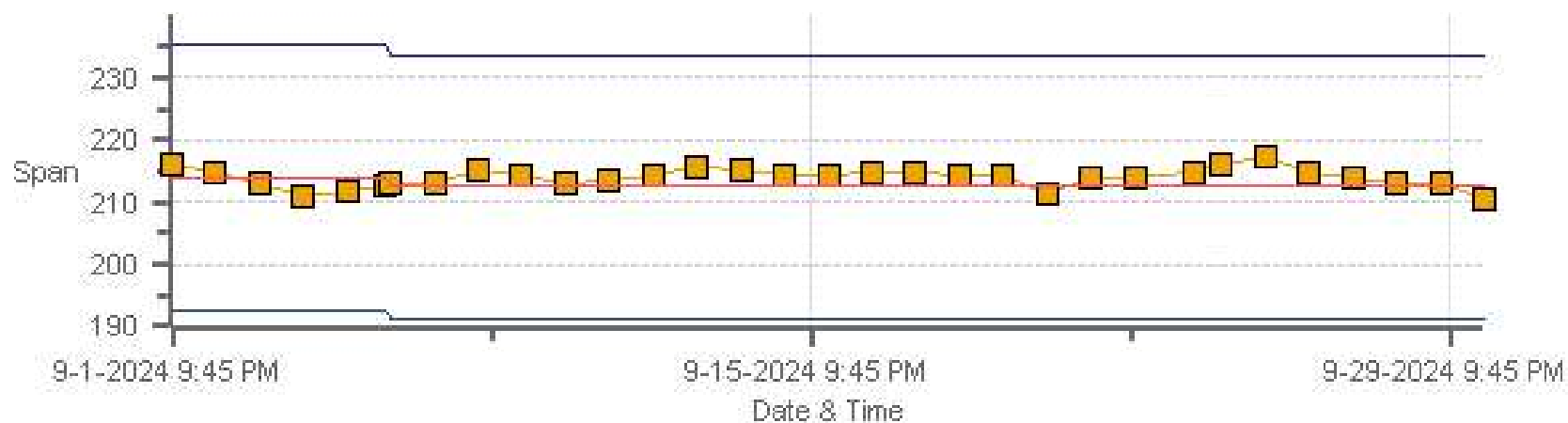
DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO₂[ppb] Calibration: PRAMP RENO-B Monthly: 09-2024 Type: SpanAndZero - Zero



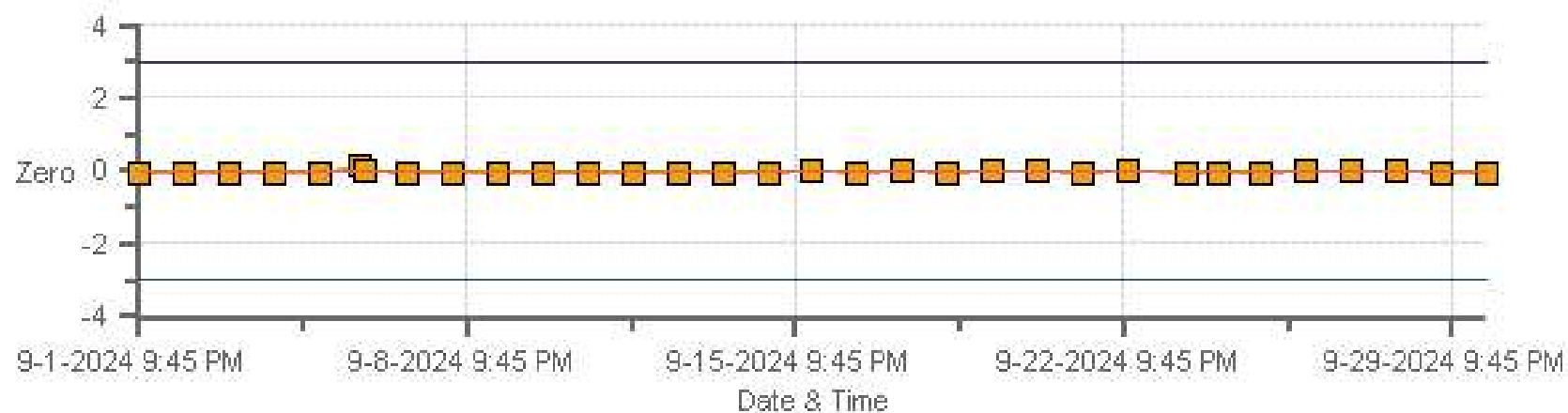
Zero Zero Ref Zero Low Zero High

SO₂[ppb] Calibration: PRAMP RENO-B Monthly: 09-2024 Type: SpanAndZero - Span

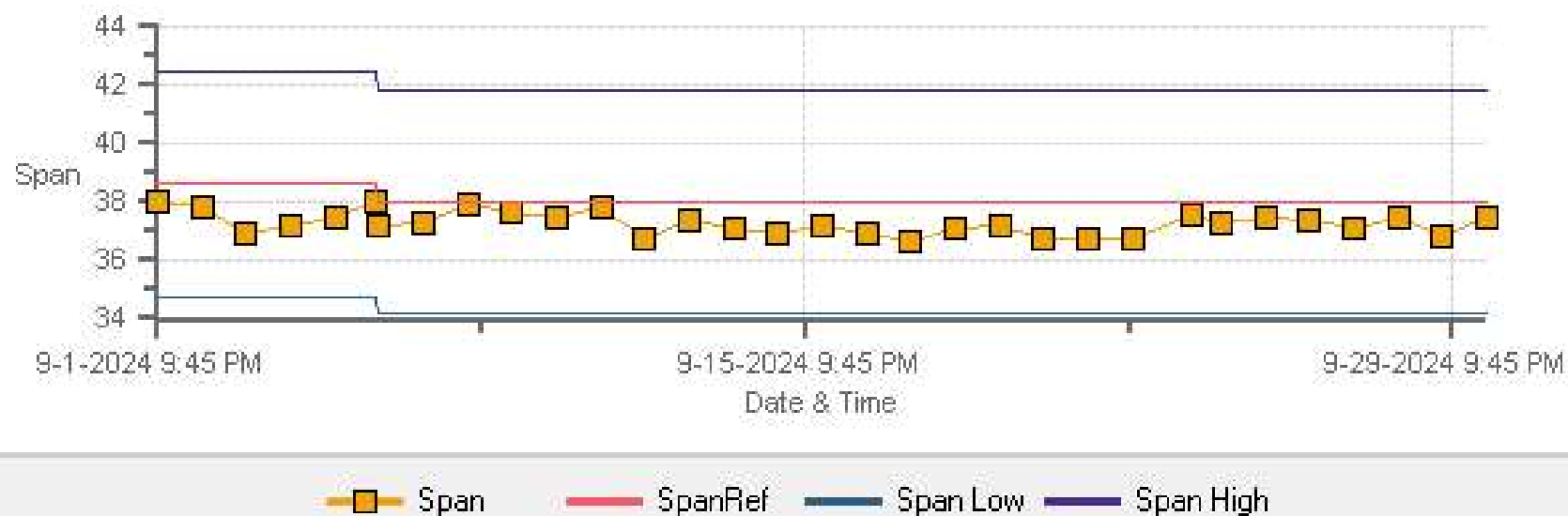


Span Span Ref Span Low Span High

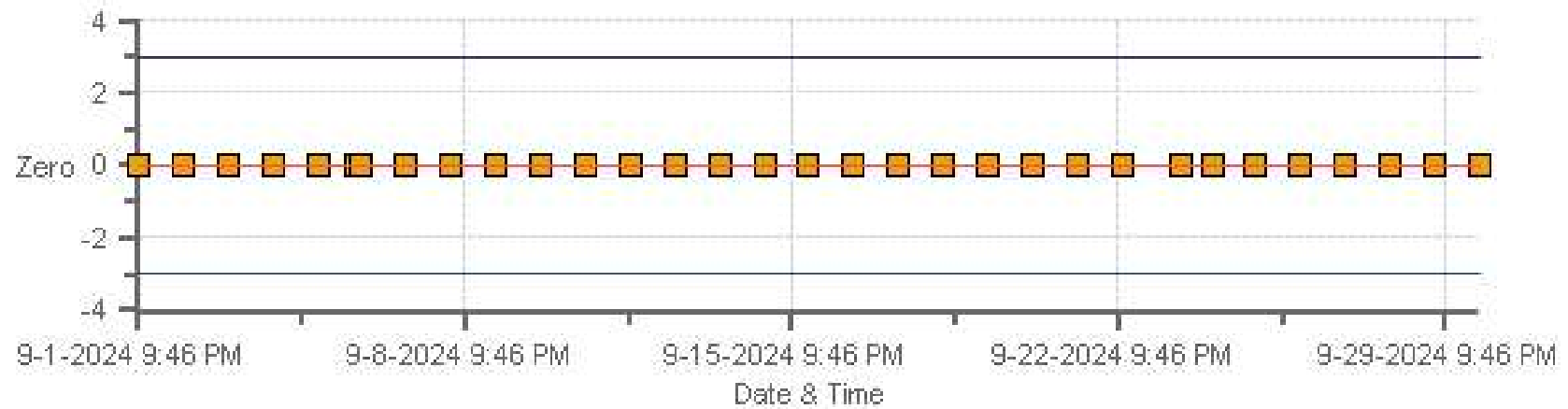
TRS[ppb] Calibration: PRAMP RENO-B Monthly: 09-2024 Type: SpanAndZero - Zero



TRS[ppb] Calibration: PRAMP RENO-B Monthly: 09-2024 Type: SpanAndZero - Span

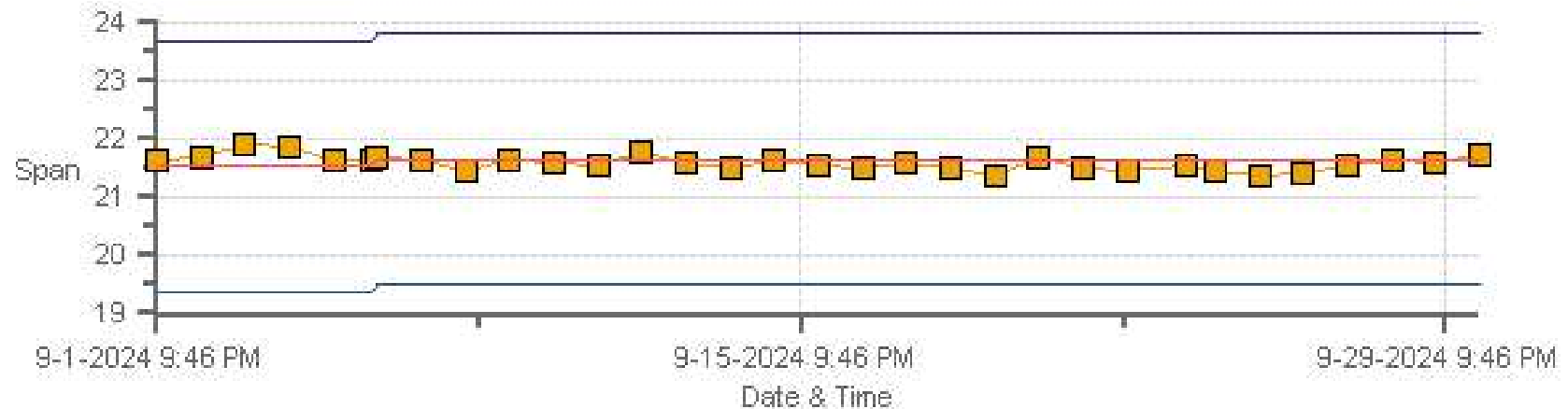


THC55[ppm] Calibration: PRAMP RENO-B Monthly: 09-2024 Type: SpanAndZero - Zero



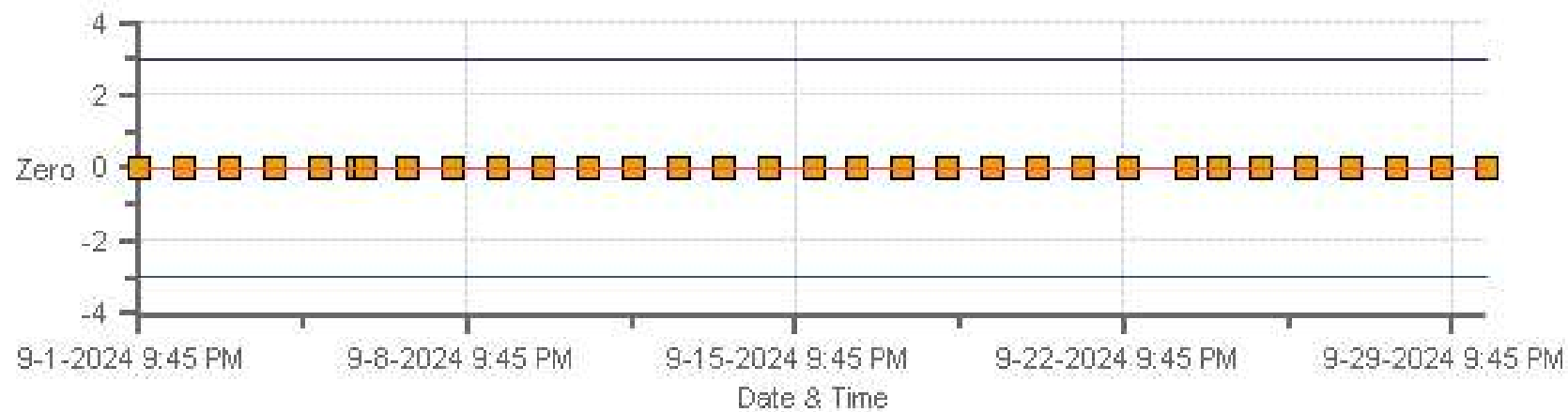
Zero Zero Ref Zero Low Zero High

THC55[ppm] Calibration: PRAMP RENO-B Monthly: 09-2024 Type: SpanAndZero - Span



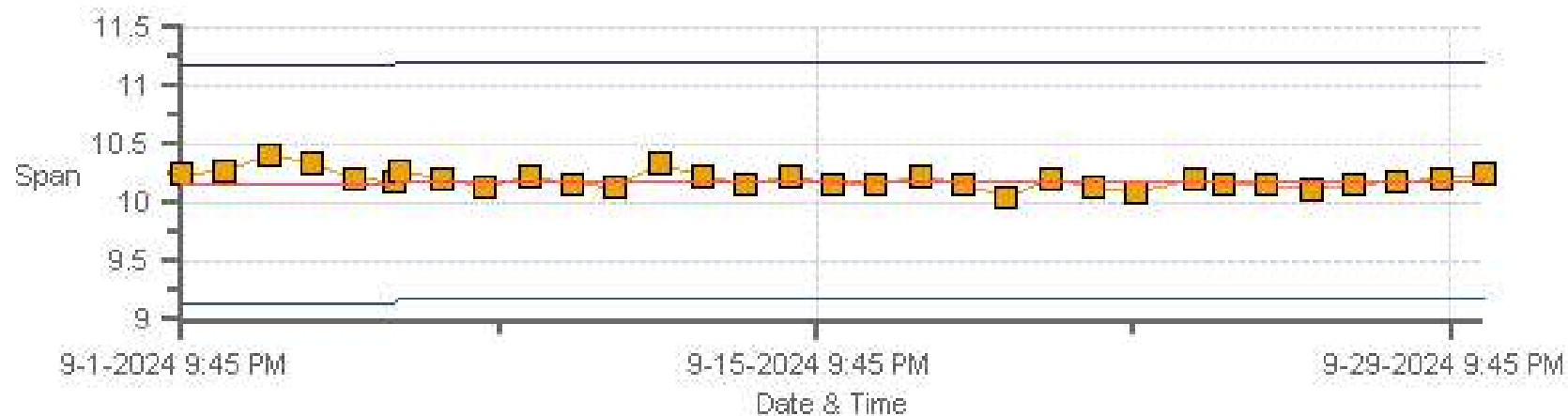
Span Span Ref Span Low Span High

CH4[ppm] Calibration: PRAMP RENO-B Monthly: 09-2024 Type: SpanAndZero - Zero



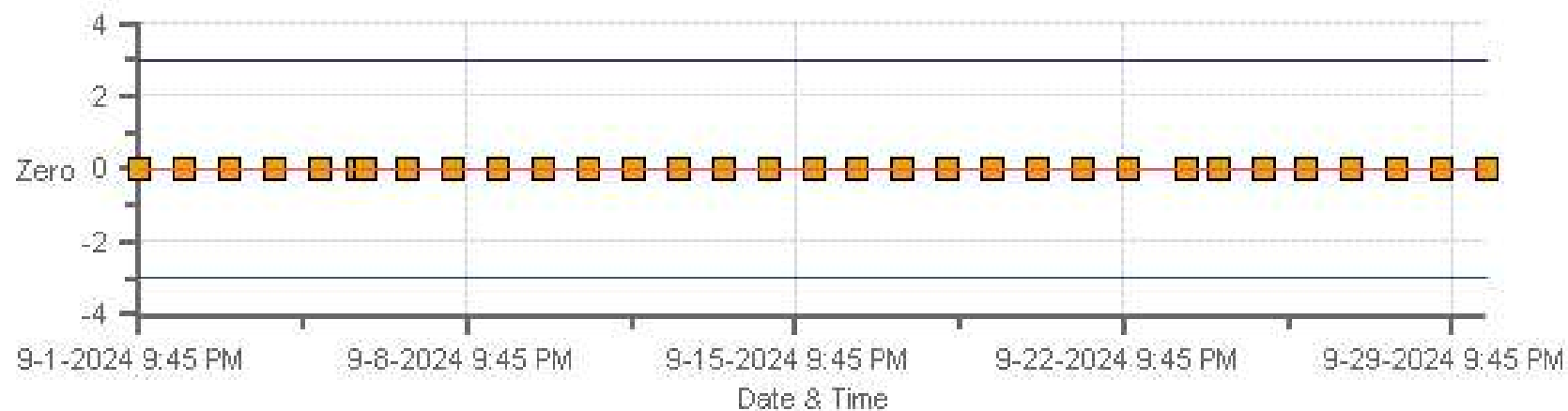
Zero Zero Ref Zero Low Zero High

CH4[ppm] Calibration: PRAMP RENO-B Monthly: 09-2024 Type: SpanAndZero - Span



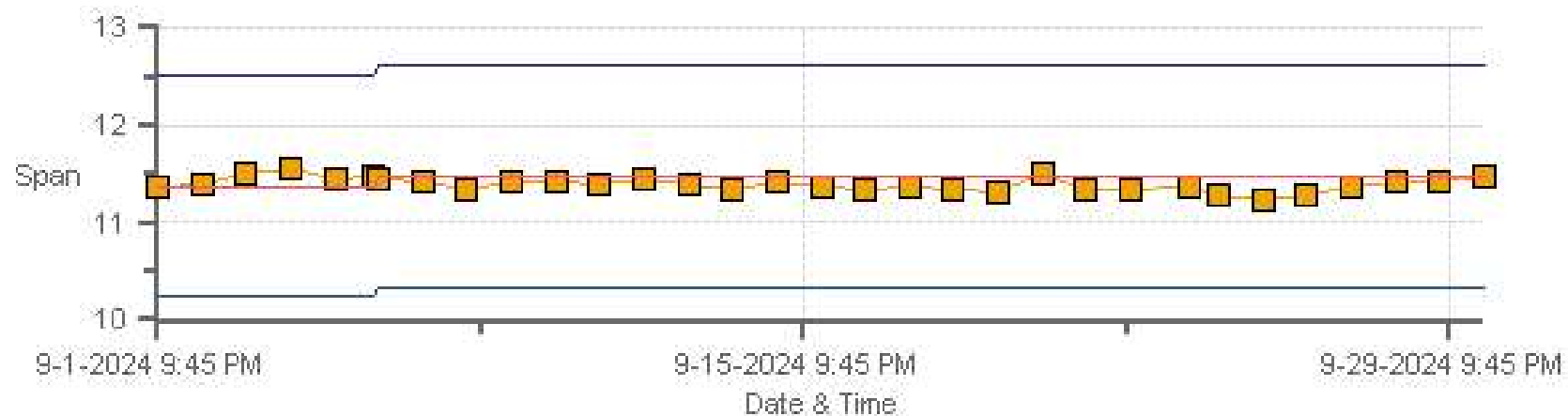
Span Span Ref Span Low Span High

NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 09-2024 Type: SpanAndZero - Zero



Zero Zero Ref Zero Low Zero High

NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 09-2024 Type: SpanAndZero - Span



Span Span Ref Span Low Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution



DATE:	06-Sep-2024	PREVIOUS CALIBRATION DATE:	22-Aug-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.995
CLIENT:	PRAMP	TEMPERATURE (°C):	22.7
LOCATION:	Reno-B	BAROMETRIC (mBar):	942
PURPOSE:	Routine	START TIME (MST):	10:19
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:19

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	500 ppb
SERIAL #	12101910505	FLOW (mL/min)	435
INITIAL		FINAL	
BKG/OFFSET	1.3	BKG/OFFSET	1.3
COEF/SLOPE	0.902	COEF/SLOPE	0.9
Expected (reference) Value	213.9	Expected (reference) Value	212.5

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL109693	HIGH ID	n/a
CONC (ppm):	25.00	EXPIRY DATE	n/a
CYLINDER (psi):	300	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

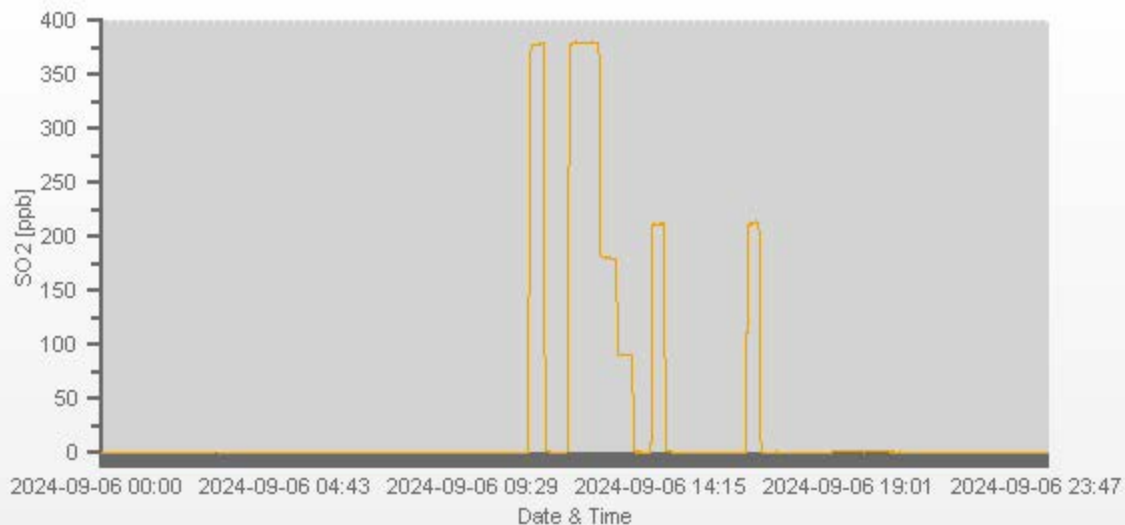
FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3998	60.80	3998	0.00	0	0	1.004	1.000
3938	60.80	3999	380.10	378.7	380.1	1.004	1.000
3971	28.80	4000	180.00	n/a	180.8	n/a	0.996
3986	14.40	4000	90.00	n/a	90.6	n/a	0.993

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	0.1%

COMMENTS:

Sample filter changed



TRS Analyzer Calibration by Dilution



DATE:	06-Sep-2024	PREVIOUS CALIBRATION DATE:	22-Aug-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	22.7
LOCATION:	Reno-B	BAROMETRIC (mBar):	942
PURPOSE:	Routine	START TIME (MST):	10:19
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:20

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	100 ppb
SERIAL #	12101910504	FLOW (mL/min)	388
INITIAL		FINAL	
BKG/OFFSET	1.1	BKG/OFFSET	1.09
COEF/SLOPE	0.912	COEF/SLOPE	0.904
Expected (reference) Value	38.60	Expected (reference) Value	37.99

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	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			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3998	30.90	3998	0.00	-0.1	0	0.995	0.999
3968	30.90	3999	77.96	78.23	78.08	0.995	0.999
3985	15.10	4000	38.09	n/a	38.26	n/a	0.996
3993	7.50	4000	18.92	n/a	19.16	n/a	0.987

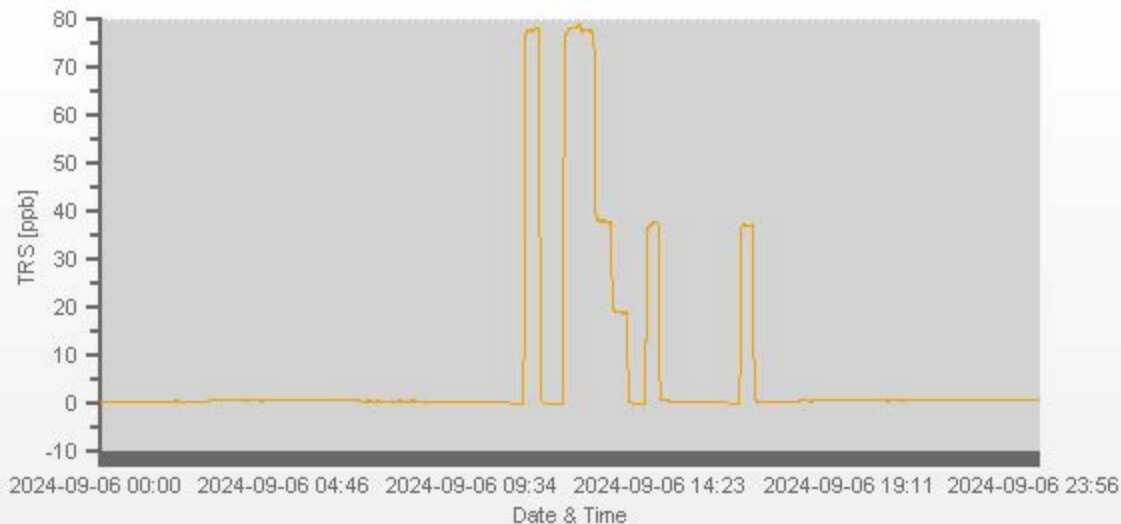
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	0.1%

COMMENTS:

Sample filter changed

TRS[ppb] Station: PRAMP RENO-B Daily: 2024-09-06 Type: AVG 1 Min. [1 Min.]



CAL-PRAMP-202409-01563

Methane/Non-Methane Analyzer Calibration by Dilution



CALIBRATION:				ANALYZER:			
DATE:	06-Sep-2024	PREVIOUS CALIBRATION DATE:	22-Aug-2024	VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
CLIENT:	PRAMP	TEMPERATURE (°C):	22.7		Thermo 55i	1193585652	1209
LOCATION:	Reno-B	BAROMETRIC (mBar):	942	PARAMETER:	CH4	NMHC	THC
PURPOSE:	Routine	START TIME (MST):	10:19	RANGE (ppm):	20	20	40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:46	PREVIOUS CF:	1.003	1.002	1.003

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 ₃ H ₈ (ppm):	897.0 301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	600	LOW ID:	n/a
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029	LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH ₄ /NMHC)	HIGH	MID	LOW	CH ₄ EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C ₃ H 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:

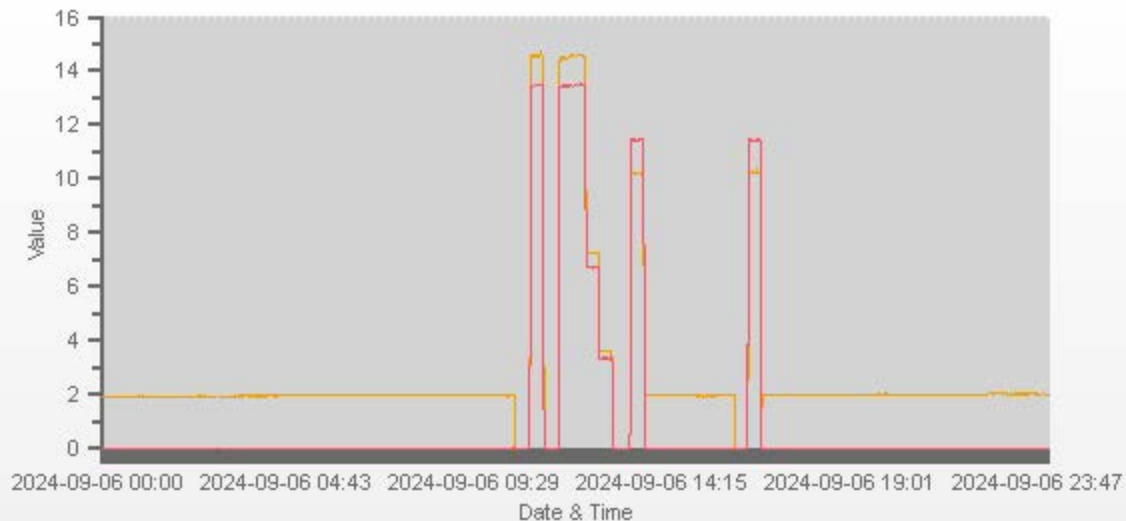
INITIAL	CH ₄	NMHC	THC	FINAL	CH ₄	NMHC	THC
	10.16	11.37	21.53		10.19	11.46	21.65

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC
3499	56.80	3499	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.000	0.997	0.999	0.998	0.996	0.997
3443	56.80	3500	14.56	13.43	27.99	14.56	13.47	28.03	14.59	13.49	28.08	1.000	0.997	0.999	0.998	0.996	0.997
3472	28.40	3500	7.28	6.72	14.00	n/a	n/a	n/a	7.24	6.72	13.96	n/a	n/a	n/a	1.005	0.999	1.003
3487	14.20	3501	3.64	3.36	7.00	n/a	n/a	n/a	3.63	3.36	6.99	n/a	n/a	n/a	1.002	0.999	1.001

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT	Comments:
CH ₄	1.000	1.002	-0.1%	
NMHC	1.000	1.004	0.0%	
THC	1.000	1.003	-0.1%	



CAL-PRAMP-202409-01563

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CH4 [ppm] NMHC [ppm]

Meteorological System Checklist



Date:	September 6, 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:	August 22, 2024		
Is the sensor Level?	yes		
Is the heater operating properly?	yes		
Are the bucket drain holes clean?	yes	Audit:14:16-14:20	
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:	August 22, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	FS 181341226 expires July 17, 2024		
Reference Temperature (°C):	23.6		
Station - Ambient Temperature (°C):	22.9		
Temperature Difference (°C):	0.7		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	August 22, 2024		
Reference Barometer ID:	September 6, 2024		
Reference Pressure - Units/Reading:	millibar	941	
Station Pressure - Units/Reading:	millibar	941	
Pressure Tolerance +/- 15% of error:	800 - 1082	0.00%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	August 22, 2024		
Reference Hygrometer ID:	FS 181341226 expires July 17, 2024		
Reference Hygrometer % RH- Reading:	39.10		
Station Hygrometer % RH- Reading:	36.20		
RH Tolerance +/- 15% of difference:	33.24 - 44.97	7.4%	
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:	SW
Wind speed on Data Logger (kph):	9.2	Wind Direction on Data Logger:	SW
		Wind Direction Pass/Fail?:	Pass
Comments			



Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	Performed By:	Chris Wesson
Audit Location:	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

SEPTEMBER 2024

Ambient Air Monitoring Calibration Report

- AQHI - GRIMSHAW STATION-

CAL-PRAMP-202409-01689

Operation and Maintenance:

Bureau Veritas Canada

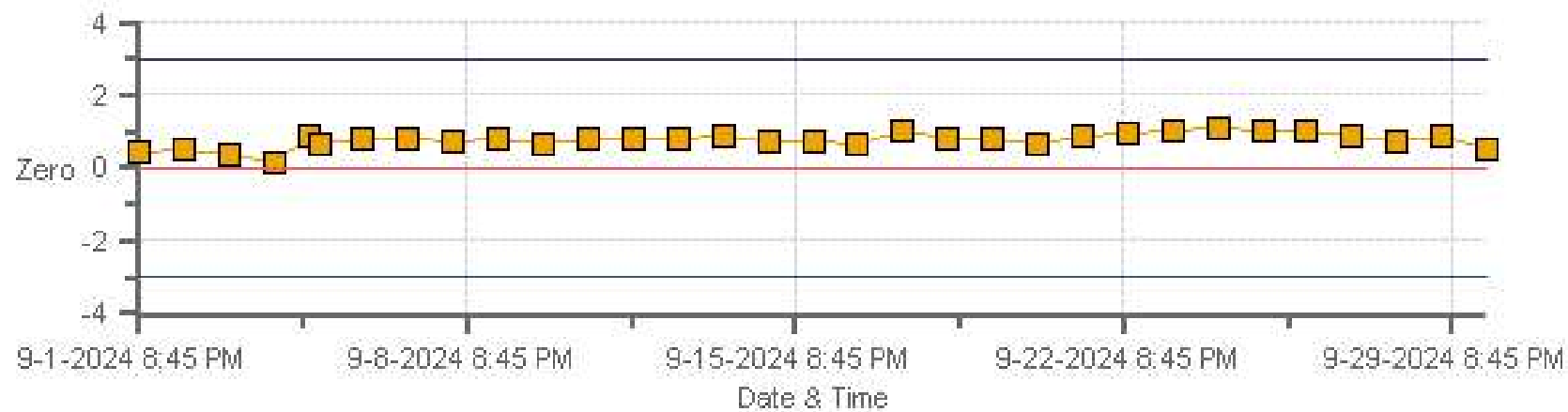
Data Validation and Report:

Bureau Veritas Canada

October 17, 2024

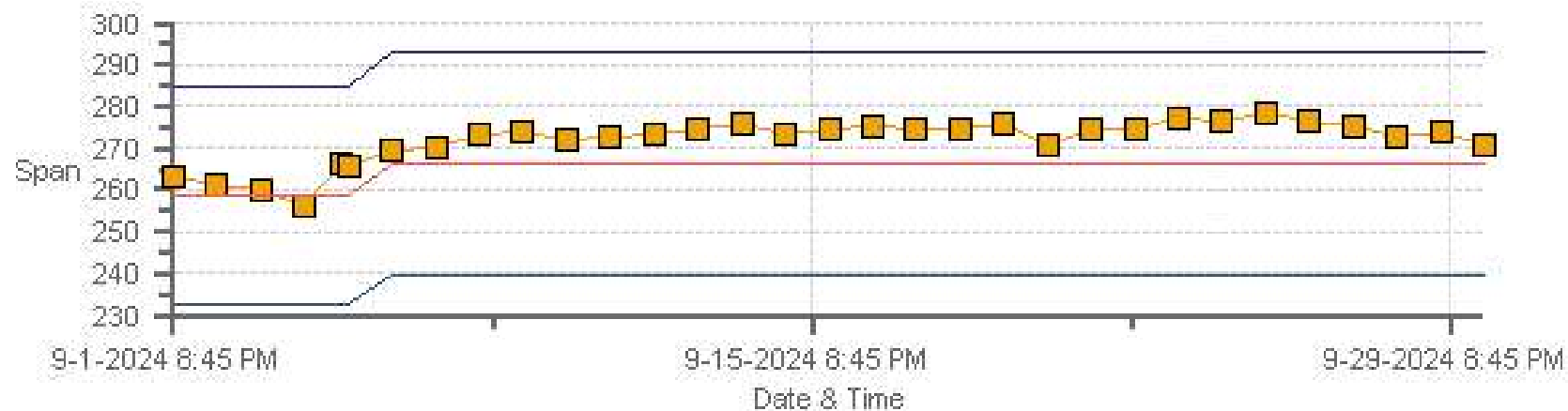
DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO₂[ppb] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Zero



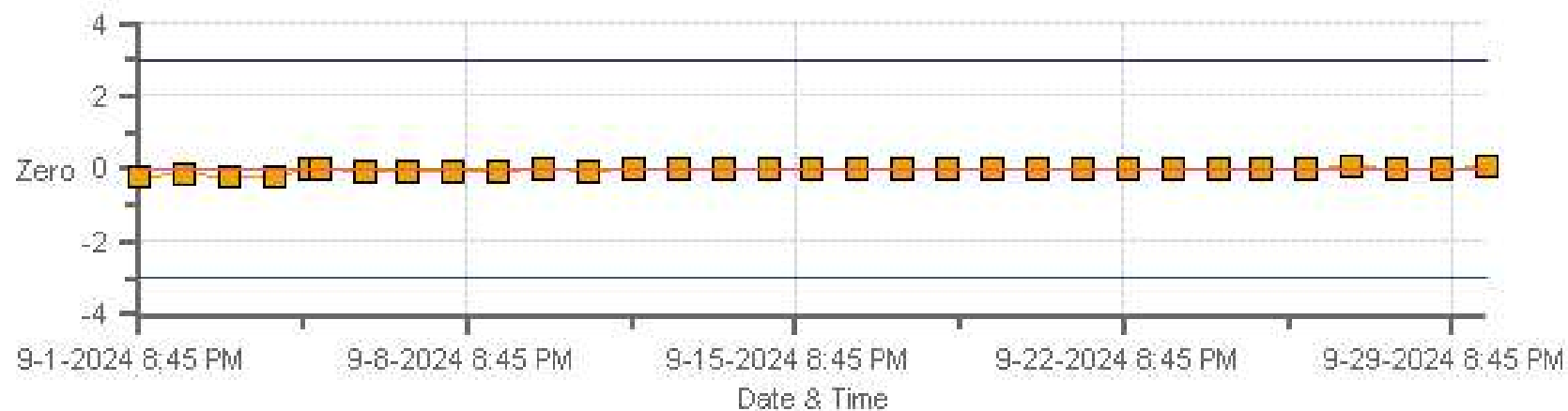
Zero Zero Ref Zero Low Zero High

SO₂[ppb] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Span



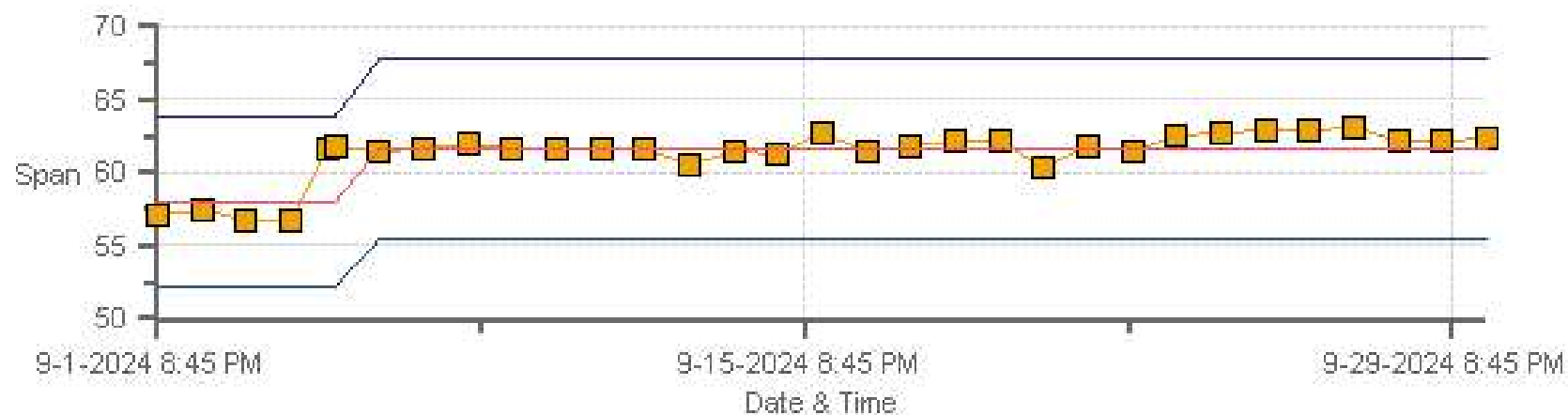
Span Span Ref Span Low Span High

TRS[ppb] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Zero



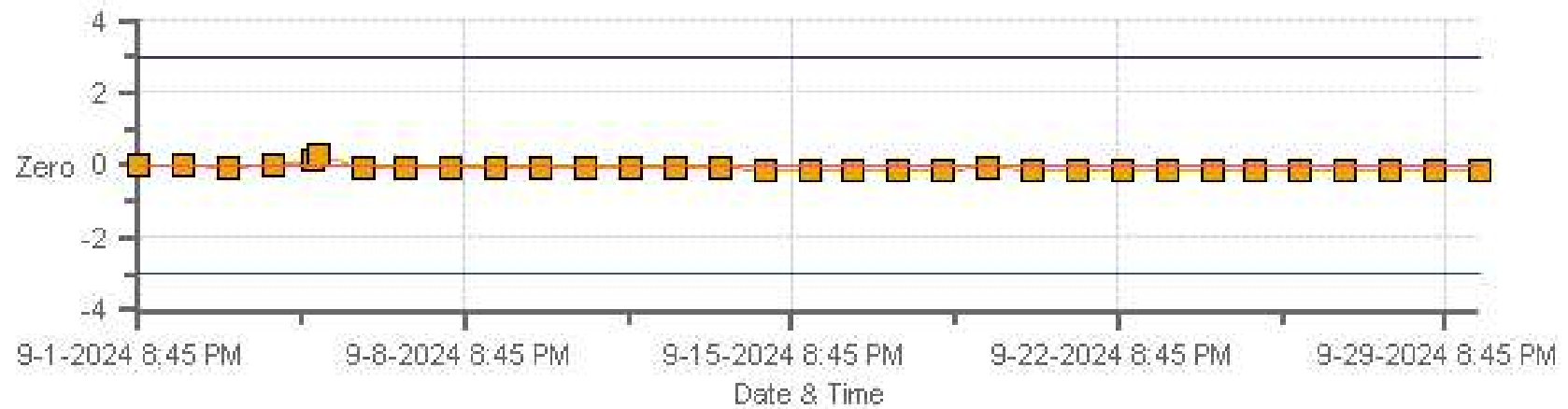
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TRS[ppb] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Span



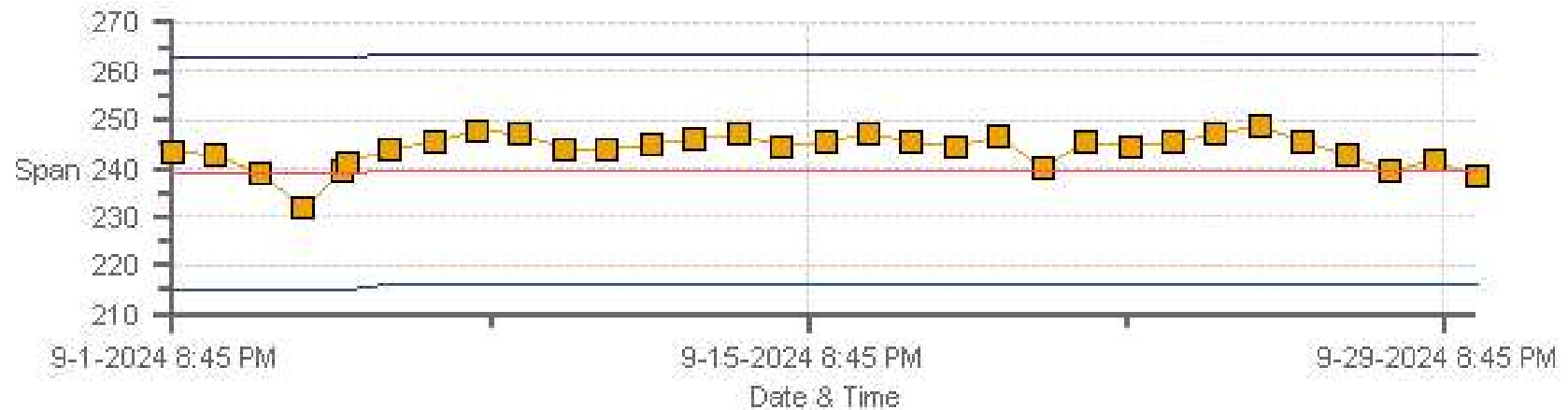
Span Span Ref Span Low Span High

NOX[ppb] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Zero



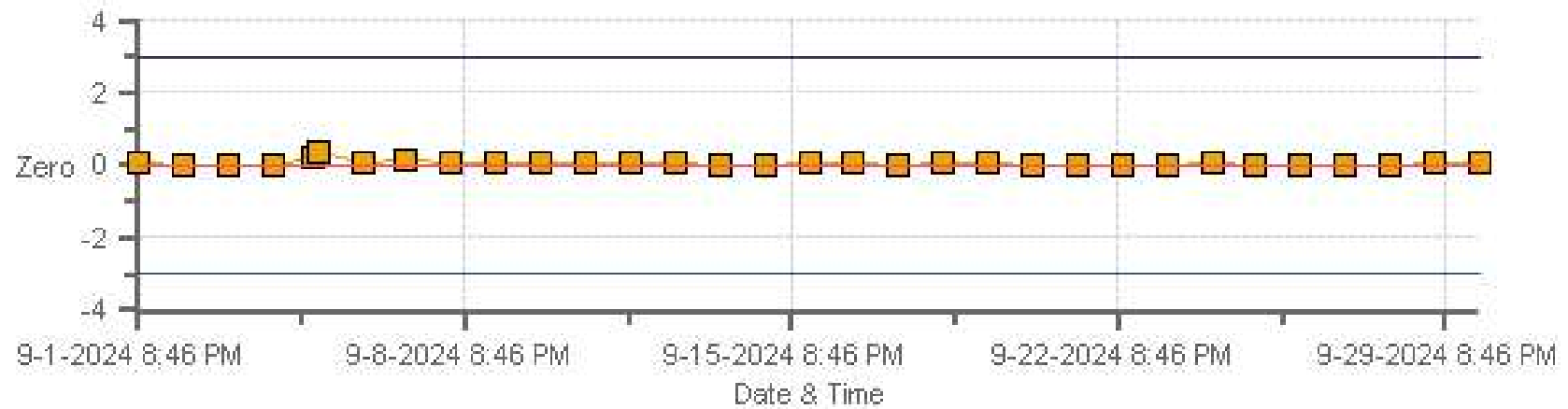
Zero Zero Ref Zero Low Zero High

NOX[ppb] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Span

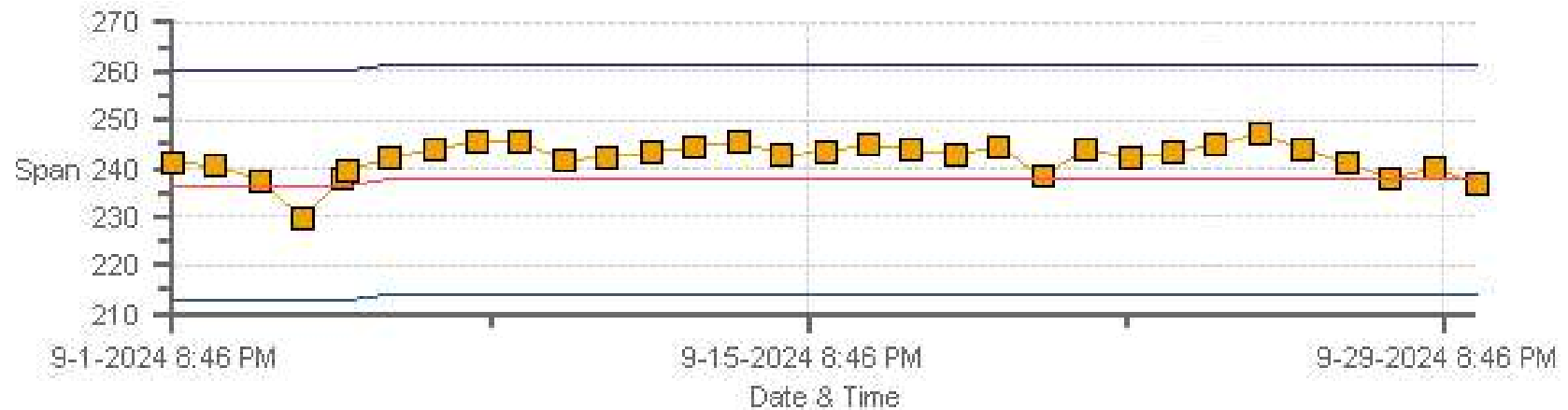


Span Span Ref Span Low Span High

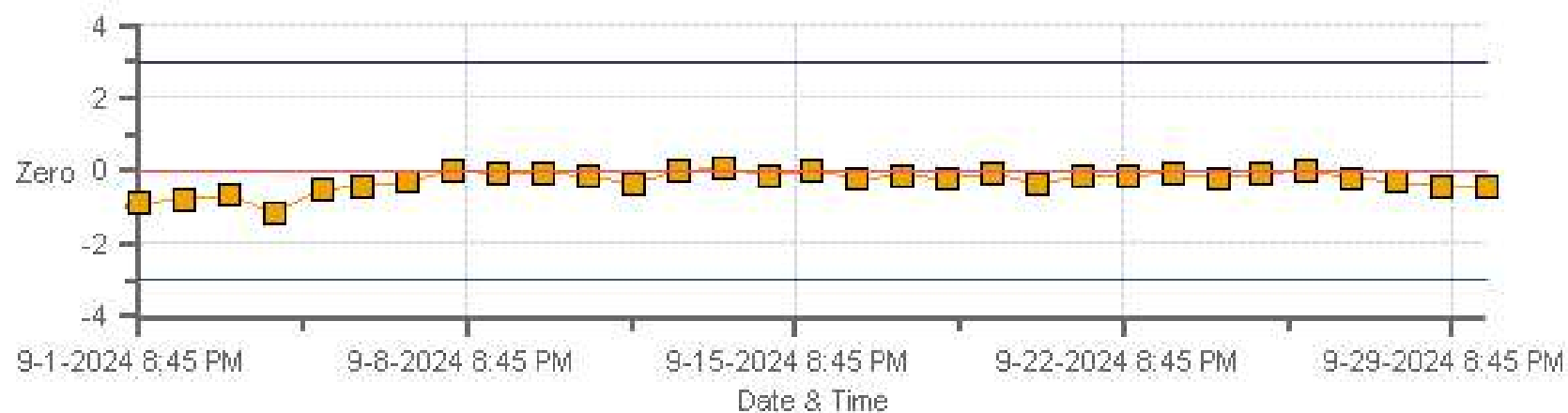
NO2[ppb] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Zero



NO2[ppb] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Span

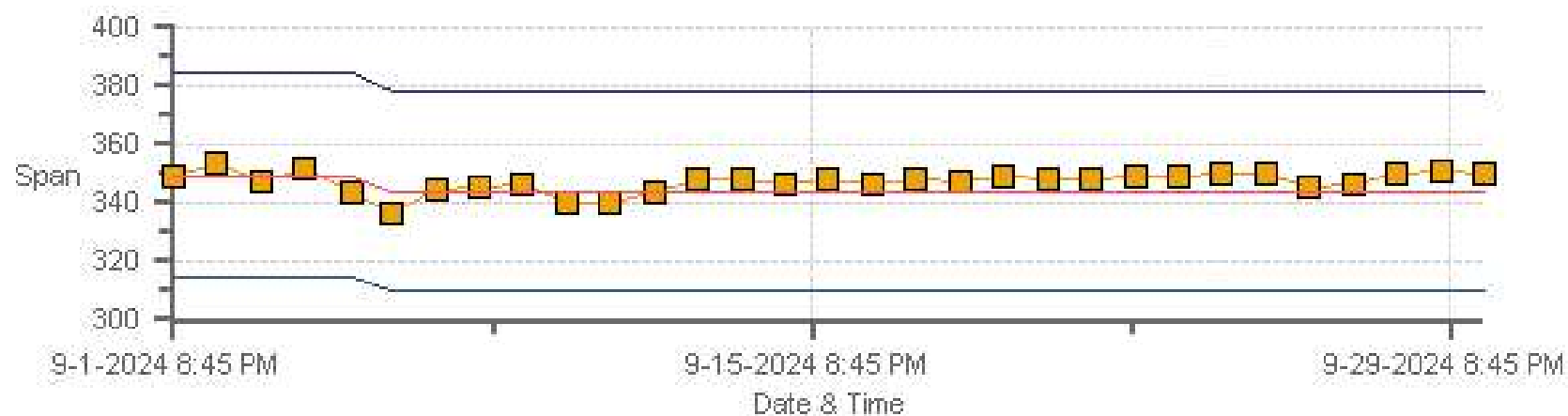


O3[ppb] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero -Zero



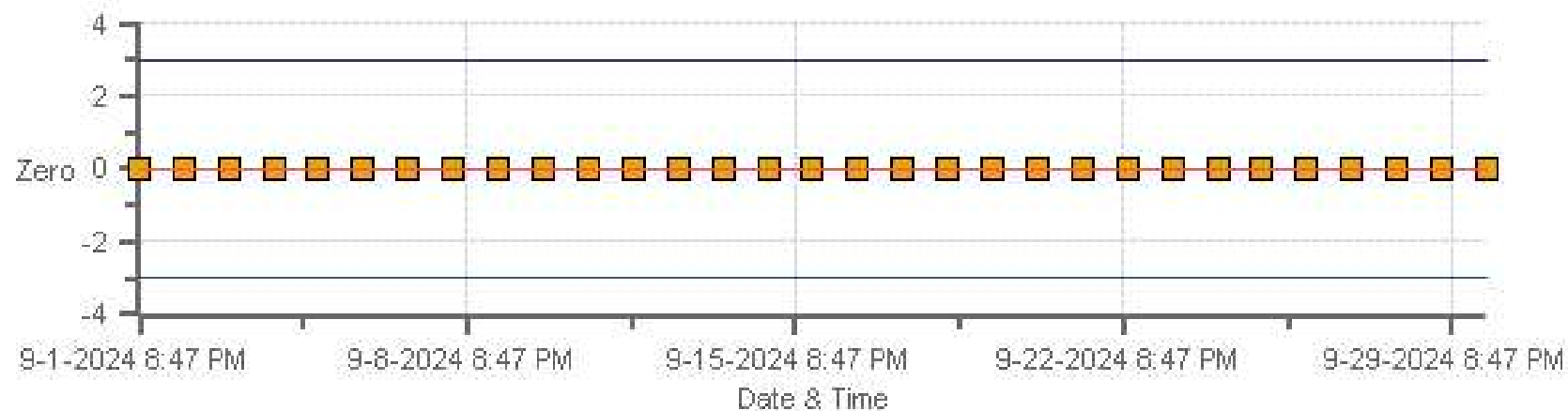
Zero Zero Ref Zero Low Zero High

O3[ppb] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero -Span



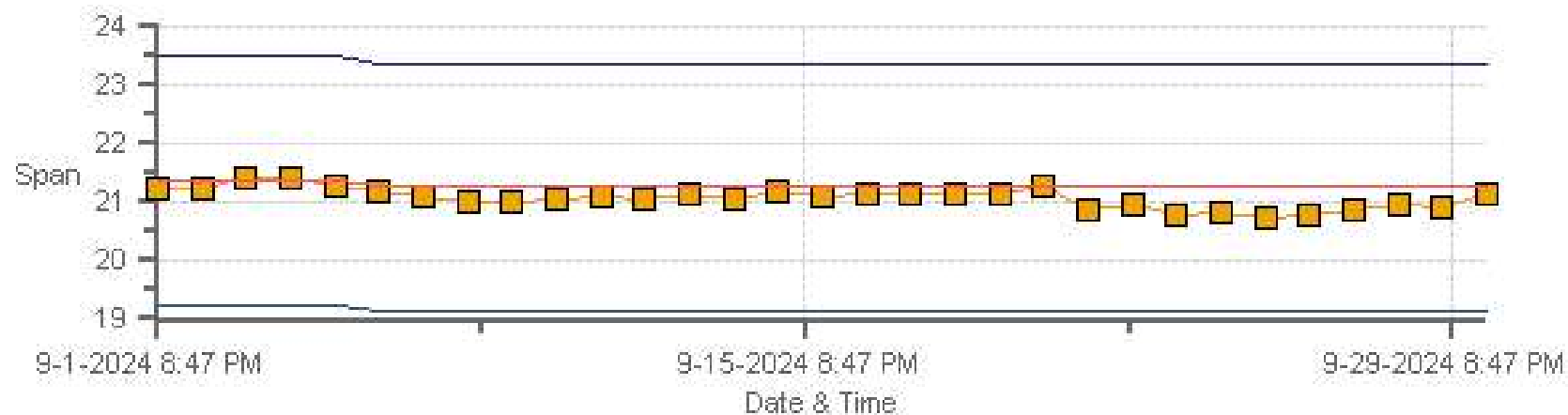
Span SpanRef Span Low Span High

THC55[ppm] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Zero



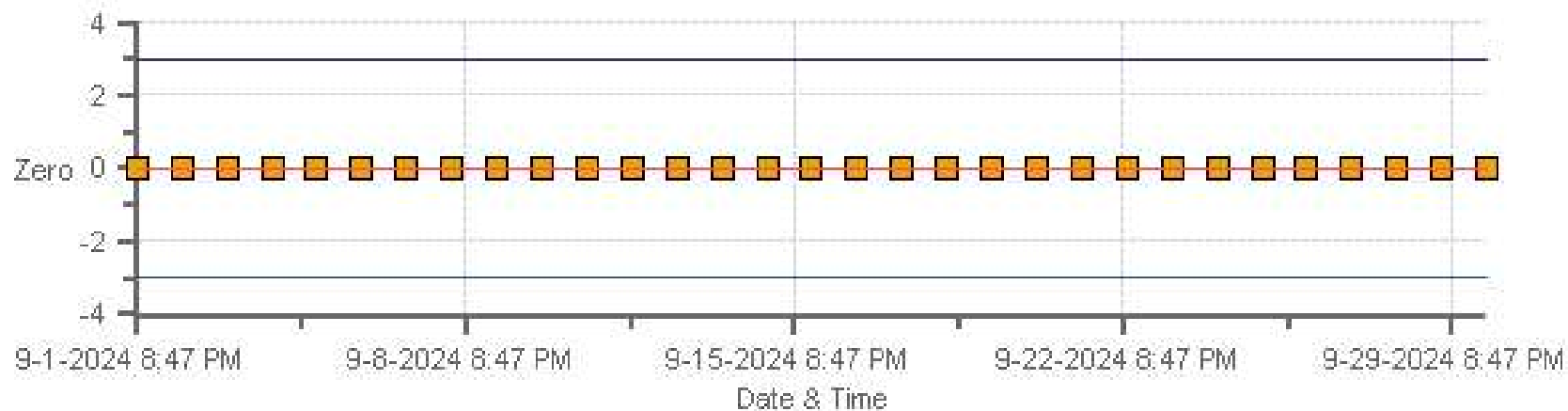
Zero Zero Ref Zero Low Zero High

THC55[ppm] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Span



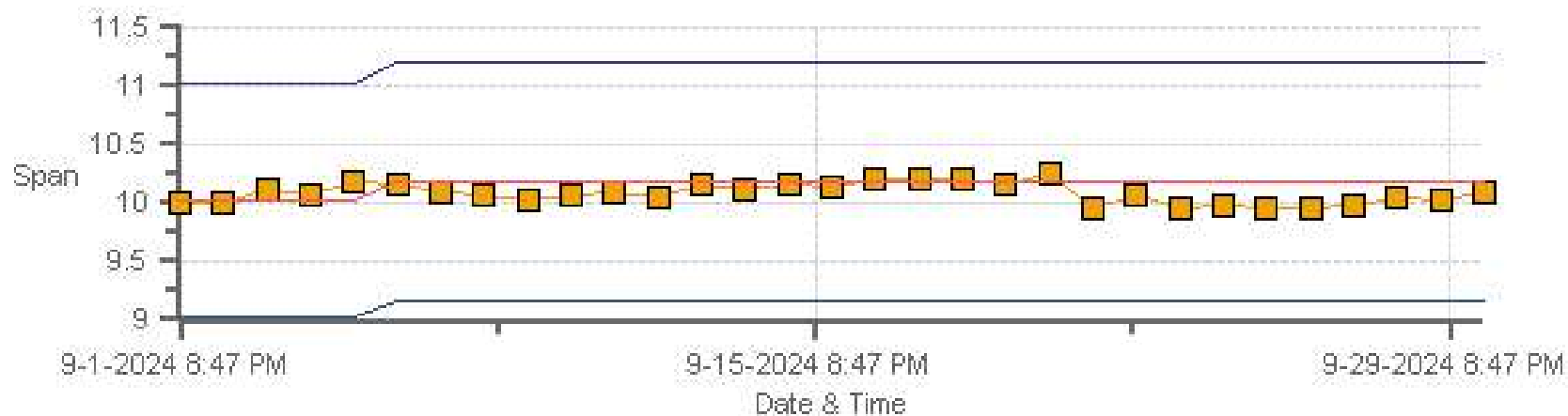
Span Span Ref Span Low Span High

CH4[ppm] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Zero



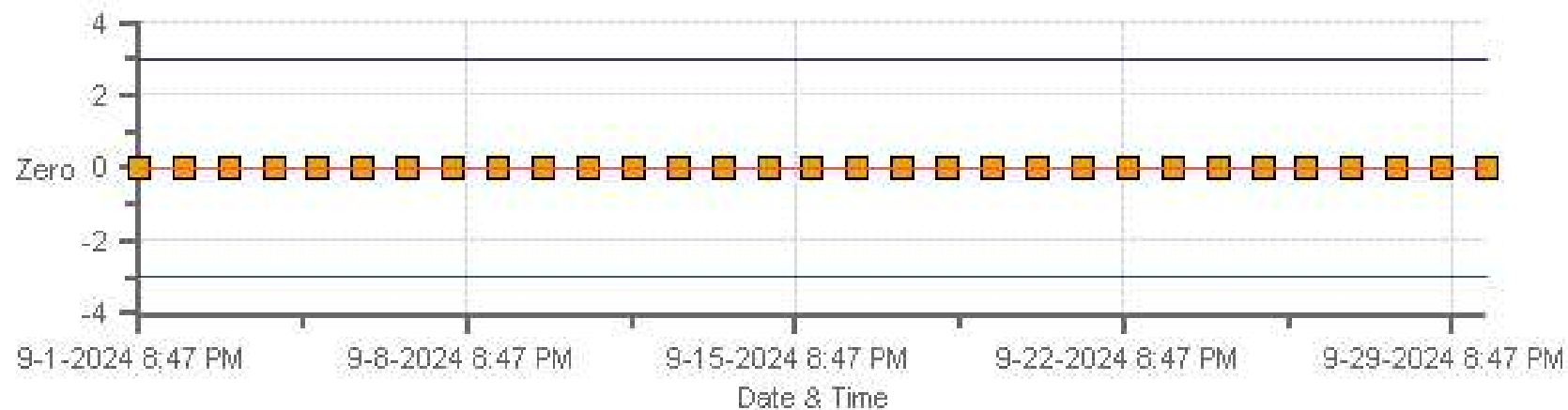
Zero Zero Ref Zero Low Zero High

CH4[ppm] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Span

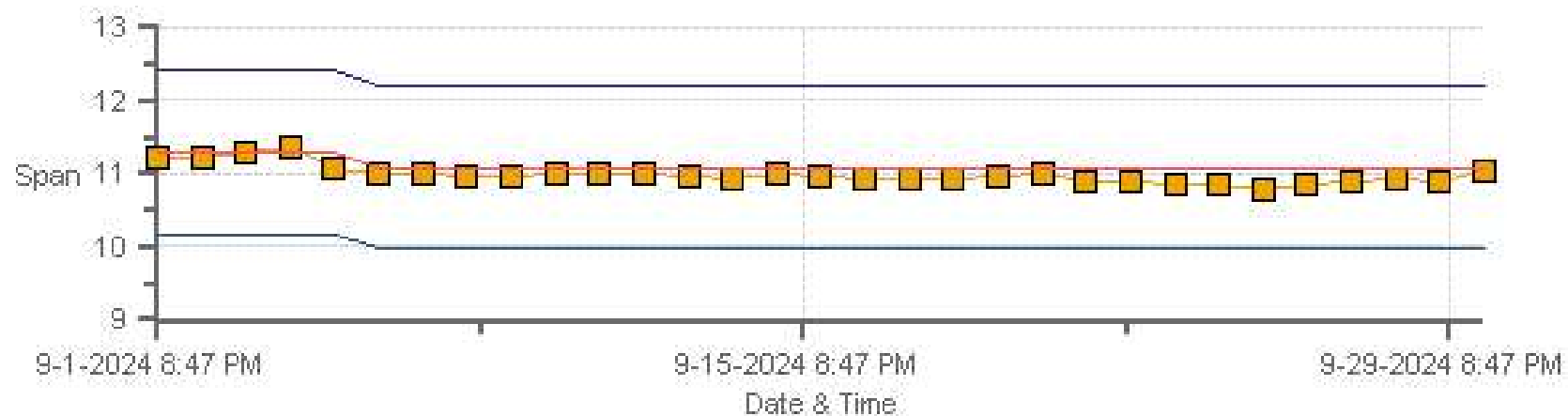


Span Span Ref Span Low Span High

NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 09-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution



DATE:	05-Sep-2024	PREVIOUS CALIBRATION DATE:	21-Aug-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	23.4
LOCATION:	Grimshaw	BAROMETRIC (mBar):	952
PURPOSE:	Routine	START TIME (MST):	08:29
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:27

ANALYZER:

MAKE/MODEL	Teledyne T100	RANGE	500 ppb
SERIAL #	722	FLOW (mL/min)	474
INITIAL		FINAL	
BKG/OFFSET	35.6	BKG/OFFSET	35
COEF/SLOPE	0.893	COEF/SLOPE	0.932
Expected (reference) Value	258.6	Expected (reference) Value	266.4

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL109693	HIGH ID	n/a
CONC (ppm):	25.00	EXPIRY DATE	n/a
CYLINDER (psi):	300	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3998	60.80	3998	0.00	-0.1	0	1.047	0.998
3938	60.80	3999	380.10	362.8	380.8	1.047	0.998
3971	28.80	4000	180.00	n/a	180.2	n/a	0.999
3986	14.40	4000	90.00	n/a	90.8	n/a	0.991

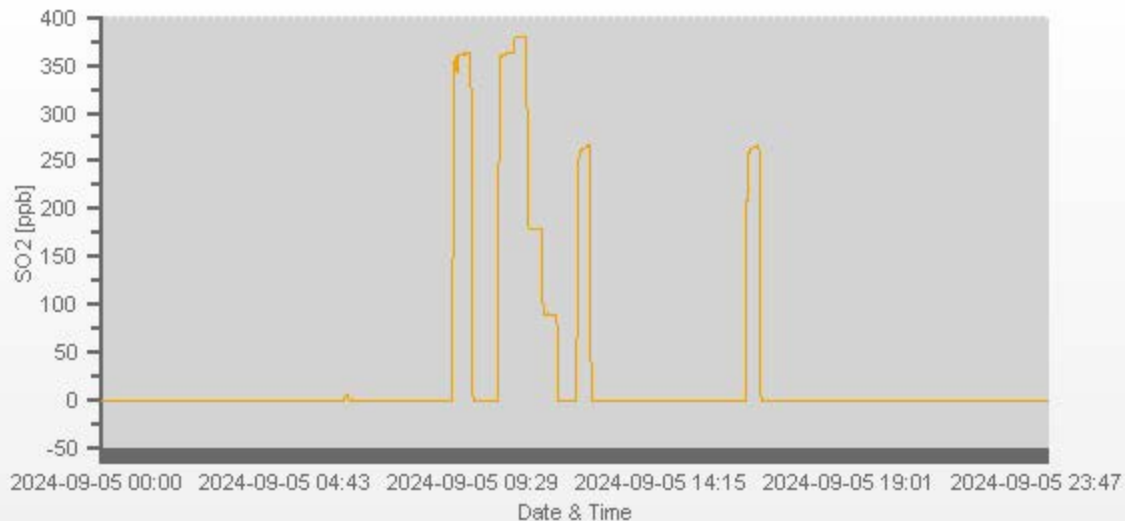
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	0.0%

COMMENTS:

09:00-09:03-Flushed out Calibrator to check response.

SO2[ppb] Station: AQHI Grimshaw Daily: 2024-09-05 Type: AVG 1 Min. [1 Min.]



CAL-PRAMP-202409-01689

TRS Analyzer Calibration by Dilution



DATE:	05-Sep-2024	PREVIOUS CALIBRATION DATE:	21-Aug-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	23.4
LOCATION:	Grimshaw	BAROMETRIC (mBar):	952
PURPOSE:	Routine	START TIME (MST):	08:29
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:27

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	100 ppb
SERIAL #	12409233394	FLOW (mL/min)	364
INITIAL		FINAL	
BKG/OFFSET	1.45	BKG/OFFSET	1.39
COEF/SLOPE	1.016	COEF/SLOPE	1.087
Expected (reference) Value	58	Expected (reference) Value	61.64

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	900	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			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3998	30.90	3998	0.00	-0.1	0	1.080	0.997
3967	30.90	3998	77.98	72.12	78.23	1.080	0.997
3985	15.10	4000	38.09	n/a	38.35	n/a	0.993
3993	7.50	4000	18.92	n/a	19.29	n/a	0.981

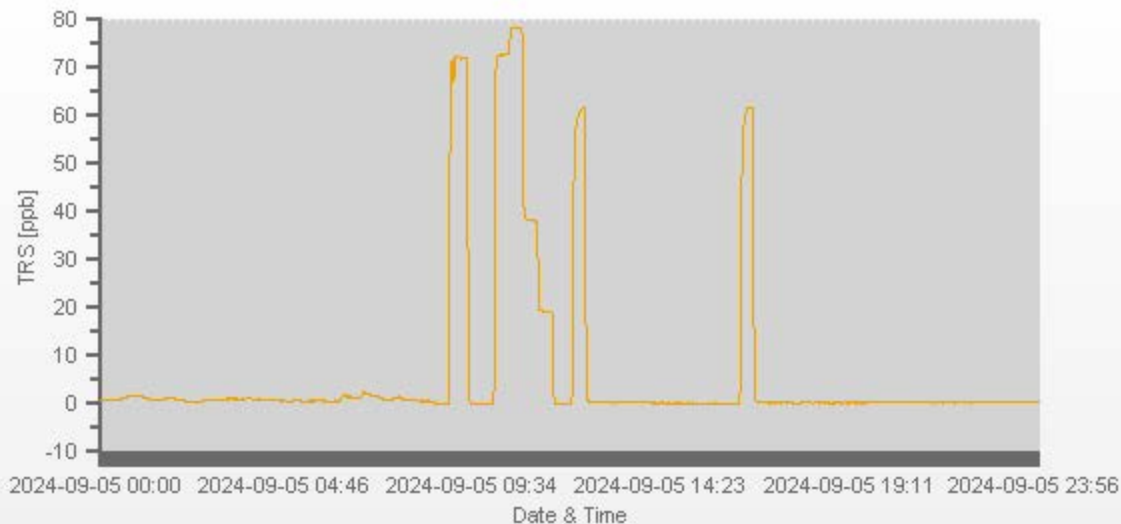
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.002	0.2%

COMMENTS:

09:00-09:03-Flushed out Calibrator to check response.

TRS[ppb] Station: AQHI Grimshaw Daily: 2024-09-05 Type: AVG 1 Min. [1 Min.]



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119 [ppb]

NOx Calibration by Dilution/Gas-Phase Titration



CALIBRATION:				ANALYZER:			
DATE:	05-Sep-2024	PREVIOUS CALIBRATION DATE:	21-Aug-2024	MAKE/MODEL:	Thermo 42iQ	PREVIOUS CF.	
CLIENT:	PRAMP	TEMPERATURE (°C):	23.4	SERIAL #:	12409233392	NOx	1.000
LOCATION:	Grimshaw	BAROMETRIC (mBar):	952	FLOW (mL/min)	650	NO	0.999
PURPOSE:	Routine	START TIME (MST):	08:29	RANGE (ppb)	500	NO2	1.001
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:23	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):	400	LOW ID:	n/a
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a	EXPIRY DATE	11-Nov-2029	LOW EXPIRY:	n/a

CALIBRATION SETTINGS:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
BKG/OFFSET:	1.4	1.4	n/a	BKG/OFFSET:	1.6	1.5	n/a
SLOPE/COEF/CE:	1.002	1.228	0.996	SLOPE/COEF/CE:	1.004	1.244	0.996

EXPECTED (REFERENCE) VALUE:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
	239.0	3.0	236.0		239.7	2.0	237.7

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:

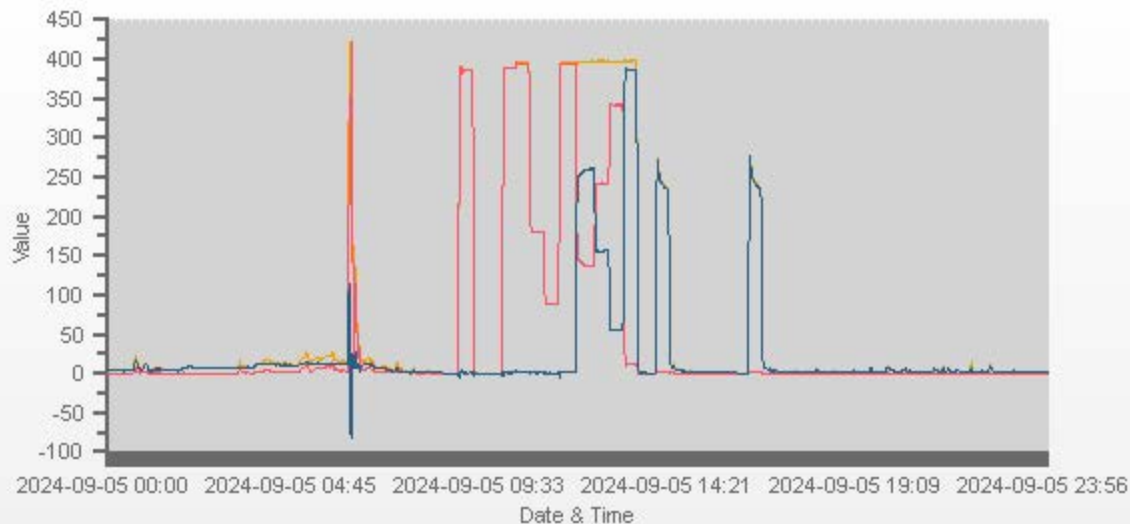
FLOW RATE			CONCENTRATION (ppb)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2
5000	40.10	5000	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	1.022	1.025	n/a	1.000	1.001	n/a
4960	40.10	5000	394.6	396.2	1.6	386.2	386.6	0.4	394.4	395.9	1.4	1.022	1.025	n/a	1.000	1.001	n/a
4982	18.30	5000	180.1	180.8	0.7	n/a	n/a	n/a	178.7	179.6	0.9	n/a	n/a	n/a	1.008	1.007	n/a
4990	9.10	4999	89.6	89.9	0.4	n/a	n/a	n/a	89.0	89.2	0.2	n/a	n/a	n/a	1.006	1.008	n/a

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	394.5	396.2	1.7	n/a	n/a	n/a	n/a
AS-FOUND HIGH	40.10	5000	260	137.4	397.2	259.8	257.1	258.1	0.996	100.39%
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	242.3	397.6	155.3	152.2	153.6	0.991	100.92%
LOW	40.10	5000	54	341.5	397.1	55.7	53	54	0.981	101.89%
NO2 adjustment not required.									AVERAGE:	101.07%

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT	COMMENTS: Extra GPT point for O3: Setting = 380, O3 drop = 384.6
NO	1.000	1.000	-0.10%	
NOx	1.000	1.000	-0.10%	
NO2	1.000	1.000	0.23%	



CAL-PRAMP-202409-01689

NOX [ppb] NO [ppb] NO2 [ppb]

Ozone Calibration by Direct GPT



DATE:	05-Sep-2024	PREVIOUS CALIBRATION DATE:	21-Aug-2024
PARAMETER:	O3	PREVIOUS CORRECTION FACTOR:	0.997
CLIENT:	PRAMP	TEMPERATURE (°C):	21.1
LOCATION:	Grimshaw	BAROMETRIC (mBar):	950
PURPOSE:	Routine	START TIME (MST):	13:47
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	18:30

ANALYZER:

MAKE/MODEL	Thermo 49iQ	RANGE	500 ppb
SERIAL #	12326230141	FLOW (mL/min)	1240
INITIAL		FINAL	
BKG/OFFSET	5.1	BKG/OFFSET	4.5
COEF/SLOPE	1.031	COEF/SLOPE	1.009
Expected (reference) Value	349.4	Expected (reference) Value	344

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	2020EXP
ID:	26701218	ID:	18700921
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION METHOD:		Direct GPT	
GPT DATE:	05-Sep-2024	GPT END TIME:	14:30

CALIBRATION PARAMETERS:

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

CALIBRATION:

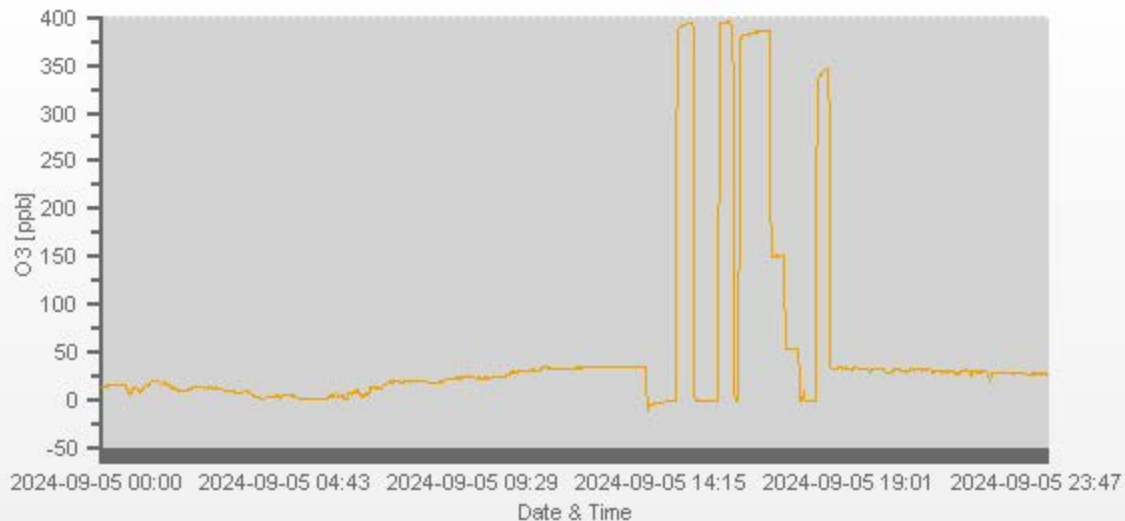
FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
5000	5000	5000	0.0	-1.2	0.0	0.977	1.001
5000	5000	5000	384.6	392.4	384.1	0.977	1.001
5000	5000	5000	152.2	n/a	150.6	n/a	1.011
5000	5000	5000	53.0	n/a	53.1	n/a	0.998

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	-0.1%

COMMENTS:

16:00 = Daily ZS. Adjusted high restarted



Methane/Non-Methane Analyzer Calibration by Dilution



CALIBRATION:				ANALYZER:			
DATE:	05-Sep-2024	PREVIOUS CALIBRATION DATE:	21-Aug-2024	VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
CLIENT:	PRAMP	TEMPERATURE (°C):	24.7		Thermo 55i	12101910497	1078
LOCATION:	Grimshaw	BAROMETRIC (mBar):	950	PARAMETER:	CH4	NMHC	THC
PURPOSE:	Routine	START TIME (MST):	12:54	RANGE (ppm):	20	20	40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	16:33	PREVIOUS CF:	1.001	1.001	1.001

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:		FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768	HIGH ID:	n/a
MODEL:	2010	MODEL:	T701H	CH ₄ /C ₃ H ₈ (ppm):	897.0 301.0	HIGH EXPIRY:	n/a
ID:	58100720	ID:	80	CYLINDER (psi):	800	LOW ID:	n/a
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029	LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH ₄ /NMHC)	HIGH	MID	LOW	CH ₄ EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C ₃ H 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	CH ₄	NMHC	THC	FINAL	CH ₄	NMHC	THC
	10.03	11.30	21.35		10.18	11.08	21.26

CALIBRATION:

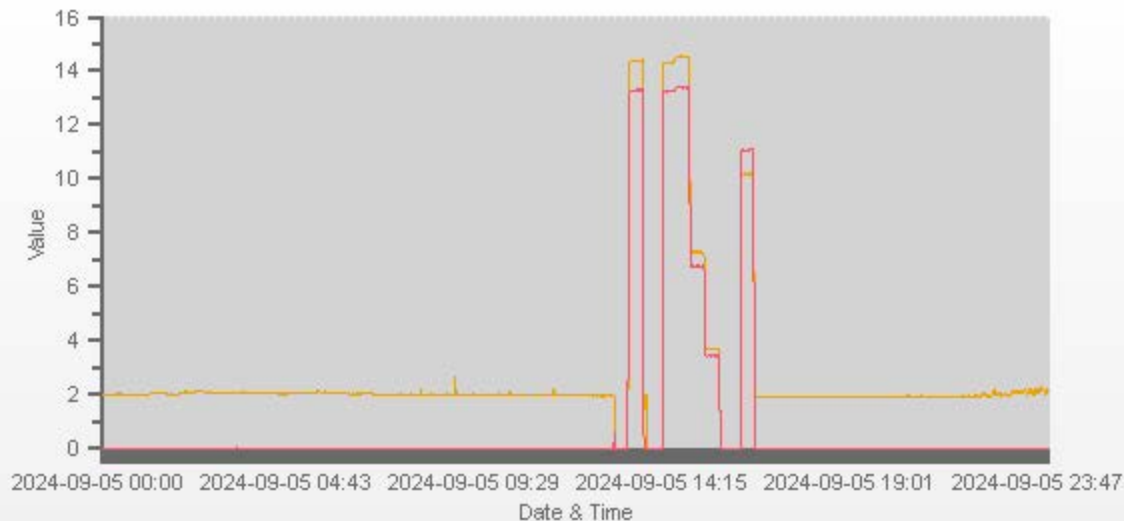
FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC
3099	X	3099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	X	X	X	X	X	X
3050	50.30	3100	14.55	13.43	27.99	14.35	13.28	27.63	14.52	13.40	27.92	1.014	1.011	1.013	1.002	1.002	1.002
3075	25.20	3100	7.29	6.73	14.02	n/a	n/a	n/a	7.29	6.76	14.06	n/a	n/a	n/a	1.000	0.995	0.997
3087	12.60	3100	3.65	3.36	7.01	n/a	n/a	n/a	3.68	3.45	7.13	n/a	n/a	n/a	0.991	0.975	0.983

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH ₄	1.000	0.997	0.1%
NMHC	1.000	0.996	0.2%
THC	1.000	0.996	0.2%

Comments:

Sample filter changed



CAL-PRAMP-202409-01689



Teledyne T640 Audit/Calibration

Date/Previous Audit Date:	September 5, 2024	August 23, 2024	Weather Conditions:	Mainly sunny	
Company:	PRAMP		Start Time (mst):	14:59	
Station:	Grimshaw		End Time (mst):	15:16	
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)	711.5	Ambient Temp (°C)	25.1	ASC Heater Duty (%)	0.0
Box Temp (°C)	26.9	Current PMT HV (V)	1542	LED Temp (°C)	35.16
P3 Value	48	PMT Setting (V)	1547	Pump PWM (%)	69
Sample Flow (L/min)	5.01	Sample RH (%RH)	33.3	Sample Temp (°C)	26.9
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)	711.6	711.1	n/a	n/a	+/- 10 mm Hg
Ambient Temperature (°C)	25.40	24.9	n/a		+/- 2°C
Sample Flow (L/min)	4.97	4.96	n/a	n/a	+/-5% of T640x (e.g., 4.75 – 5.25 lpm)
Additional Monthly Maintenance :					Completed
Inlet cleaned?					Yes
Sample tubing inspected (inner and outer)?					Yes
Comments:					
Alert: 09/5/24:Check internal pump					

Meteorological System Checklist



Date:	September 5, 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:	August 21, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025		
Reference Temperature (°C):	25.7		
Station - Ambient Temperature (°C):	26.2		
Temperature Difference (°C):	-0.5		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	August 21, 2024		
Reference Barometer ID:	Brunton ADC #231010, Exp: Oct 10, 2024		
Reference Pressure - Units/Reading:	millibar	945	
Station Pressure - Units/Reading:	millibar	945.1	
Pressure Tolerance +/- 15% of error:	803 - 1087	-0.01%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	August 21, 2024		
Reference Hygrometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025		
Reference Hygrometer % RH- Reading:	36.10		
Station Hygrometer % RH- Reading:	33.40		
RH Tolerance +/- 15% of difference:	30.69 - 41.52	7.5%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	August 21, 2024	Previous check date:	August 21, 2024
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	N
Wind speed on Data Logger (kph):	11.2	Wind Direction on Data Logger:	N
		Wind Direction Pass/Fail?:	Pass
Comments			
No issues			



Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	Performed By:	Chris Wesson
Audit Location:	Grimshaw	Reviewed By:	Limin Li
Audit Date:	August 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.



Meteorological Sensor Audit/Calibration

Location Information						
Company:	PRAMP	Performed By:	Limin Li			
Audit Location:	Grimshaw	Reviewed By:	Chris Wesson			
Audit Date:	September 17, 2024	Start/End Time (mst):	08:36 - 09:14			
Calibration Purpose:	shut down	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 21, 2024	Direction Unit Output Range:	0-360			
Wind Calibrator Information						
Calibrator I.D. and Expiry Date: RM Young 18802 id# CA03309 expires Feb 1, 2026						
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	110.5	110.5	1.001		
7000	129.0	128.9	128.5	1.002		
8000	147.4	147.3	147.0	1.002		
9000	165.9	165.8	165.4	1.002		
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	2.7	0.6	1.7
30	330	29	336	0.7	-6.3	3.5
60	300	58	307	2.1	-6.6	4.4
90	270	87	274	2.6	-4.3	3.5
120	240	118	240	2.5	0.4	1.5
150	210	147	207	2.8	3.3	3.1
180	180	176	176	4.2	4.0	4.1
210	150	206	147	4.0	2.8	3.4
240	120	239	118	0.7	2.4	1.6
270	90	274	88	-4.2	2.3	3.2
300	60	307	58	-6.8	1.8	4.3
330	30	336	30	-6.2	-0.3	3.2
355	0	354	3	0.6	3.3	2.0
The audit meets AMD requirements.			Average Absolute Degrees Difference=		3.0	
Comments:						
Declination = 15 deg East Horizontal bearings replaced. Potentiometer noisy. Replacement required.						



Meteorological Sensor Audit/Calibration

Location Information

Company: PRAMP
Audit Location: Grimshaw
Audit Date: September 17, 2024
Calibration Purpose: post repair

Performed By: Limin Li
Reviewed By: Chris Wesson
Start/End Time (mst): 09:48 - 10:17
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 21, 2024	Direction Unit Output Range:	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# CA03309 expires Feb 1, 2026

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

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

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

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	0	354	0.1	1.1	0.6
30	330	29	330	1.4	0.4	0.9
60	300	59	301	1.5	-0.7	1.1
90	270	89	271	1.0	-1.2	1.1
120	240	120	243	-0.1	-2.6	1.3
150	210	151	213	-1.4	-2.6	2.0
180	180	182	183	-1.7	-2.6	2.1
210	150	212	152	-2.0	-2.1	2.1
240	120	242	120	-2.1	-0.2	1.2
270	90	272	90	-1.5	0.4	1.0
300	60	301	59	-0.6	1.1	0.9
330	30	329	29	0.6	1.1	0.9
355	0	354	0	1.1	0.1	0.6
The audit meets AMD requirements.			Average Absolute Degrees Difference=		1.2	

Comments:

Declination = 15 deg East
Vertical bearings replaced.
Potentiometer Replaced.

END OF REPORT



Peace River Area Monitoring Program

SEPTEMBER 2024

Ambient Air Monitoring Calibration Report

- PEACE RIVER COMPLEX (PRC) STATION-

CAL-PRAMP-202409-01698

Operation and Maintenance:

Bureau Veritas Canada

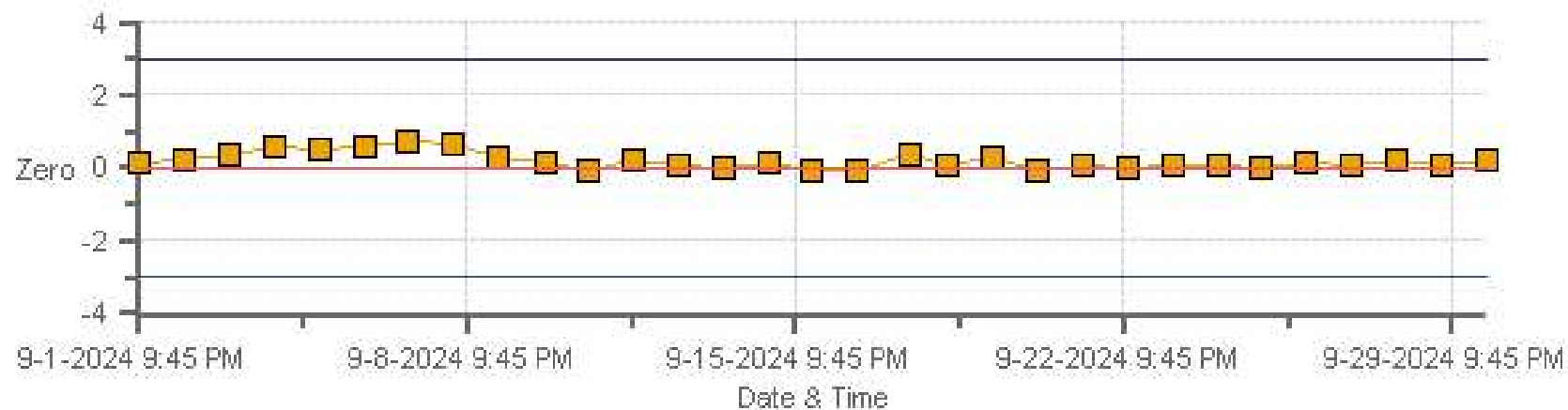
Data Validation and Report:

Bureau Veritas Canada

October 17, 2024

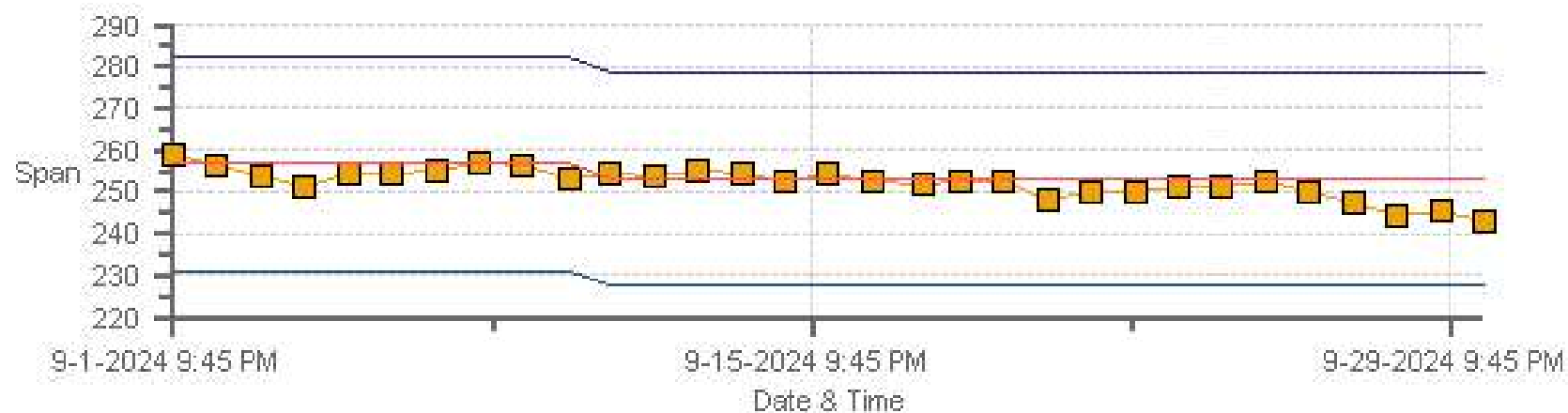
DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 09-2024 Type: SpanAndZero - Zero



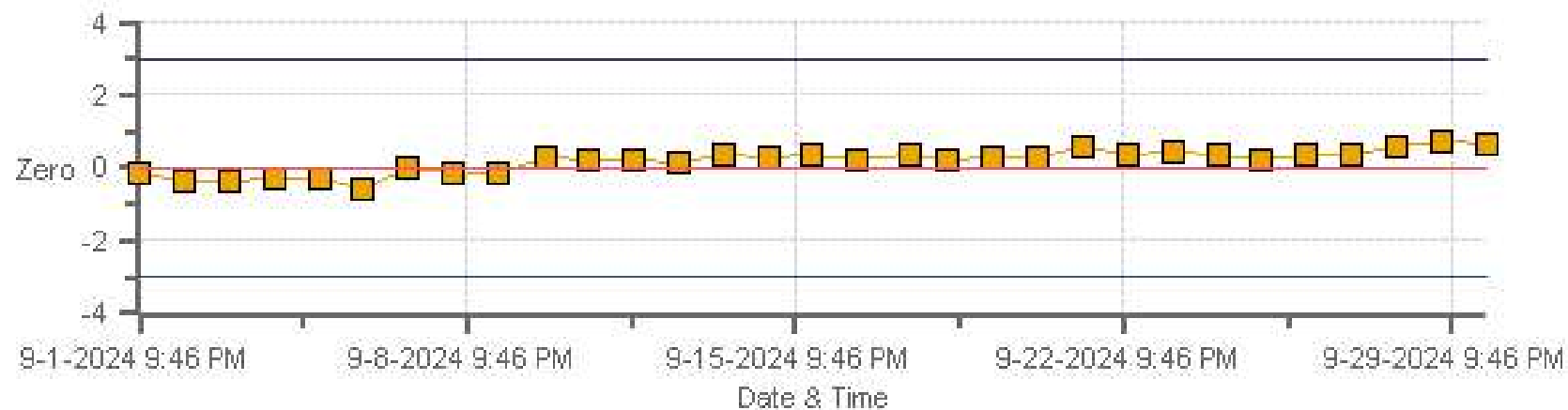
Zero Zero Ref Zero Low Zero High

SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 09-2024 Type: SpanAndZero - Span



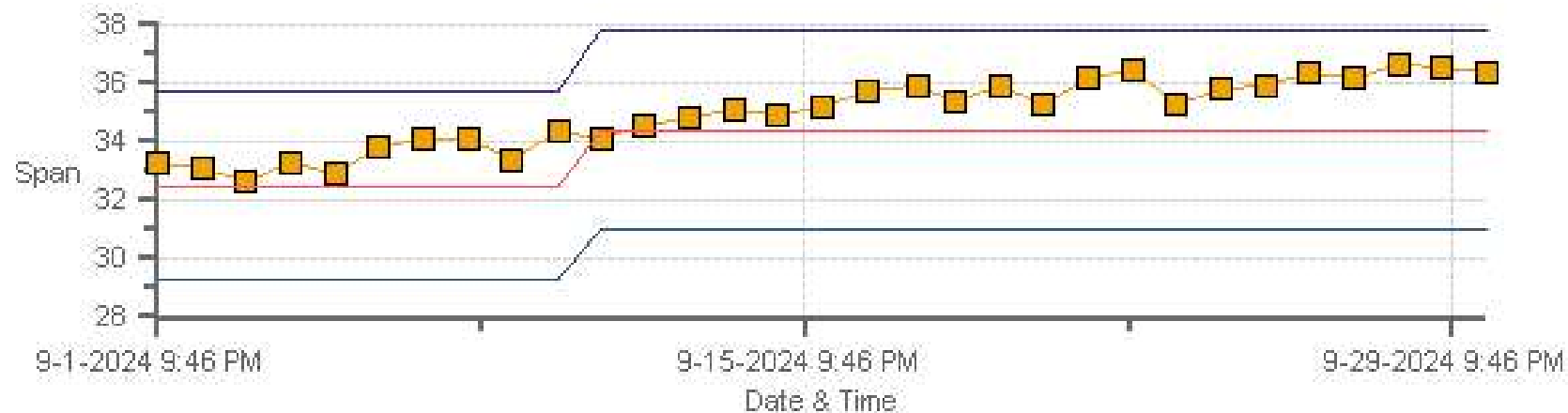
Span Span Ref Span Low Span High

H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 09-2024 Type: SpanAndZero - Zero



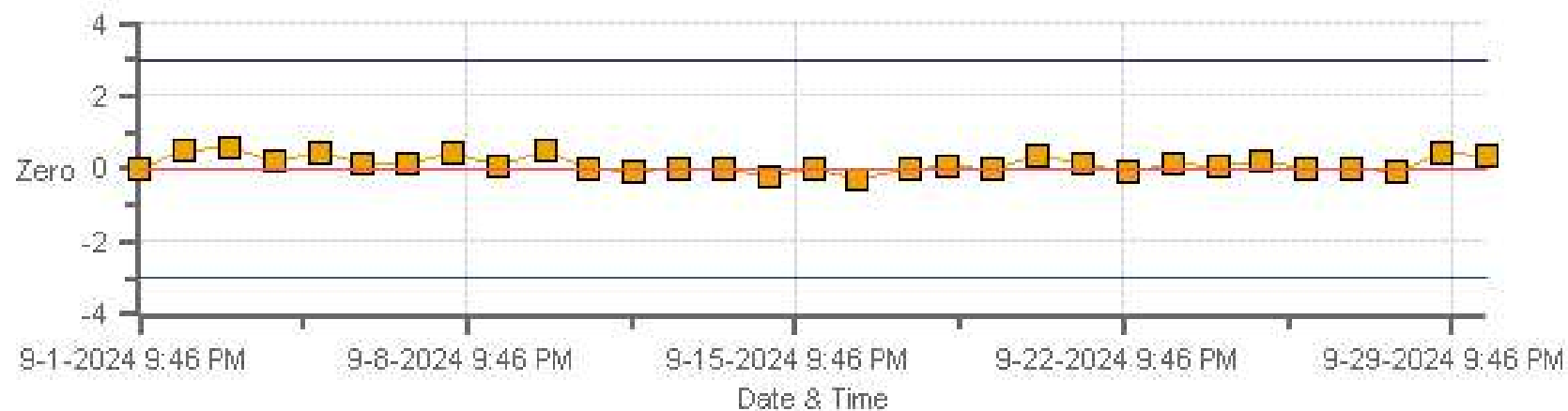
Zero Zero Ref Zero Low Zero High

H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 09-2024 Type: SpanAndZero - Span



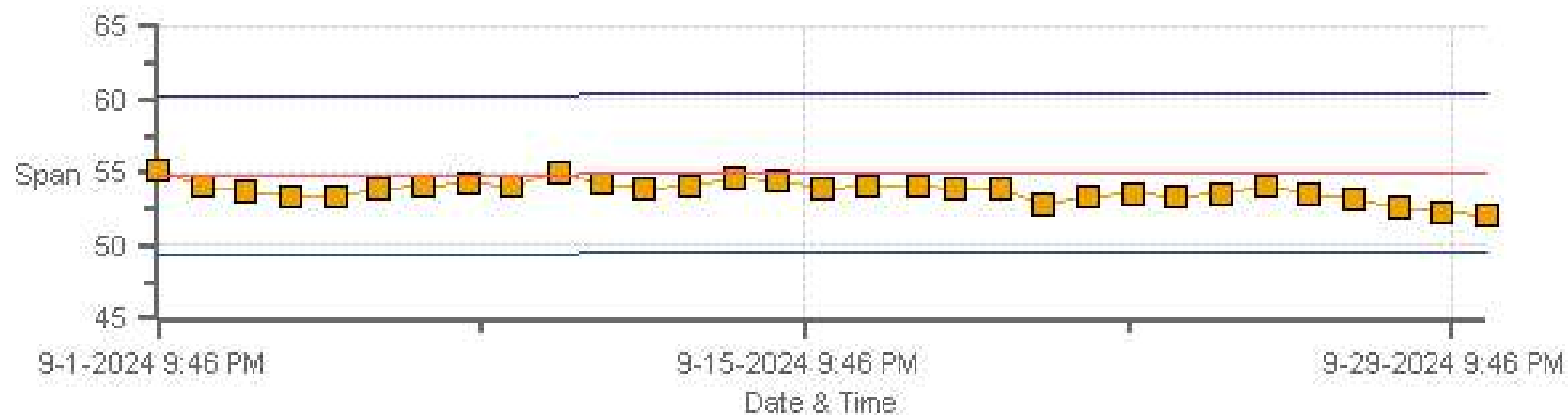
Span Span Ref Span Low Span High

TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 09-2024 Type: SpanAndZero - Zero



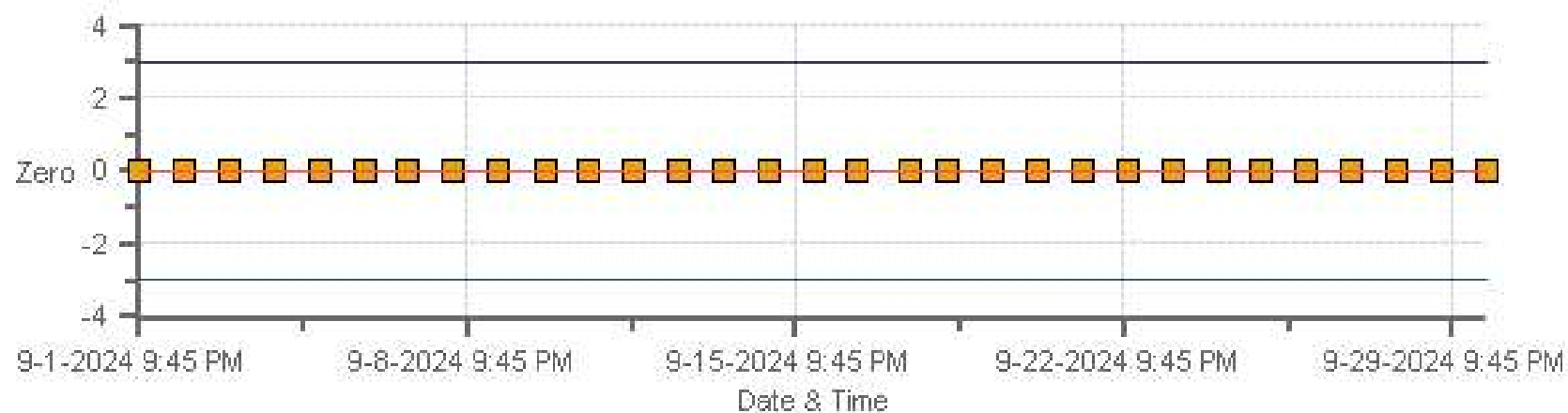
Zero Zero Ref Zero Low Zero High

TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 09-2024 Type: SpanAndZero - Span



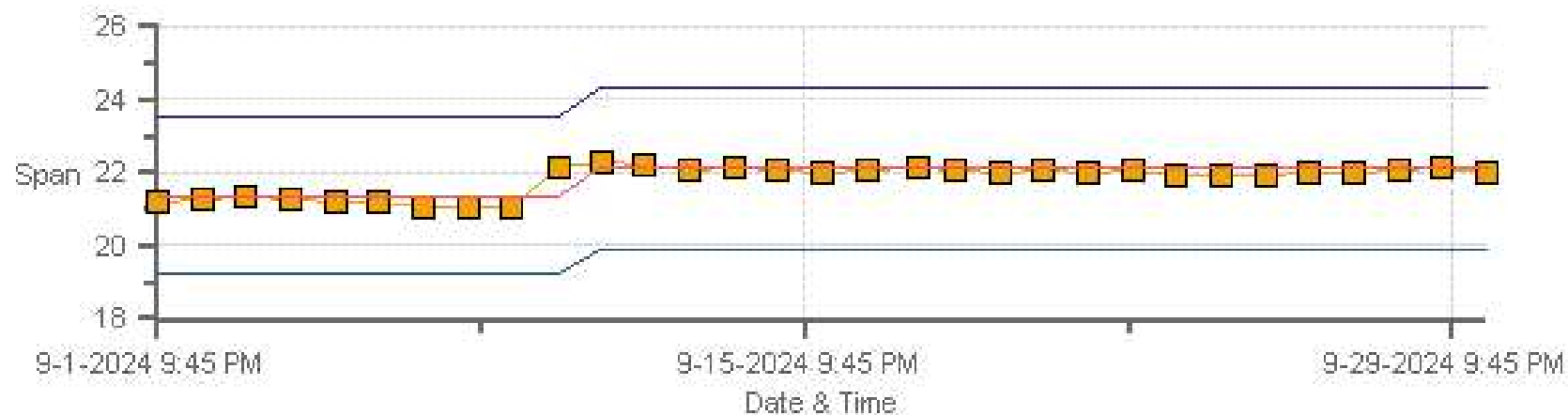
Span SpanRef Span Low Span High

THC55(ppm) Calibration: Peace River Complex [PRC] Monthly: 09-2024 Type: SpanAndZero - Zero



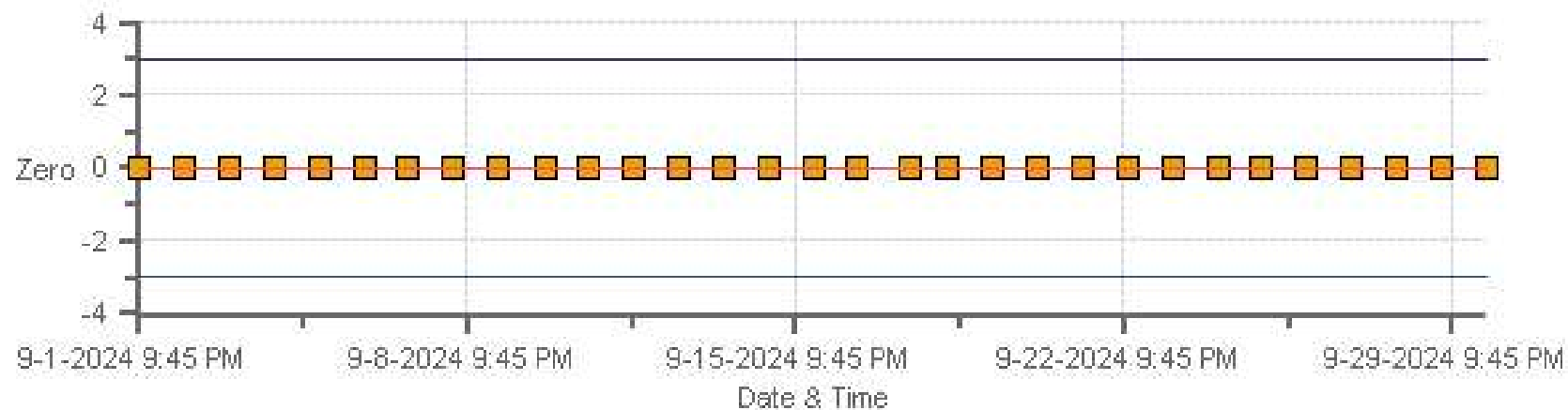
Zero Zero Ref Zero Low Zero High

THC55(ppm) Calibration: Peace River Complex [PRC] Monthly: 09-2024 Type: SpanAndZero - Span



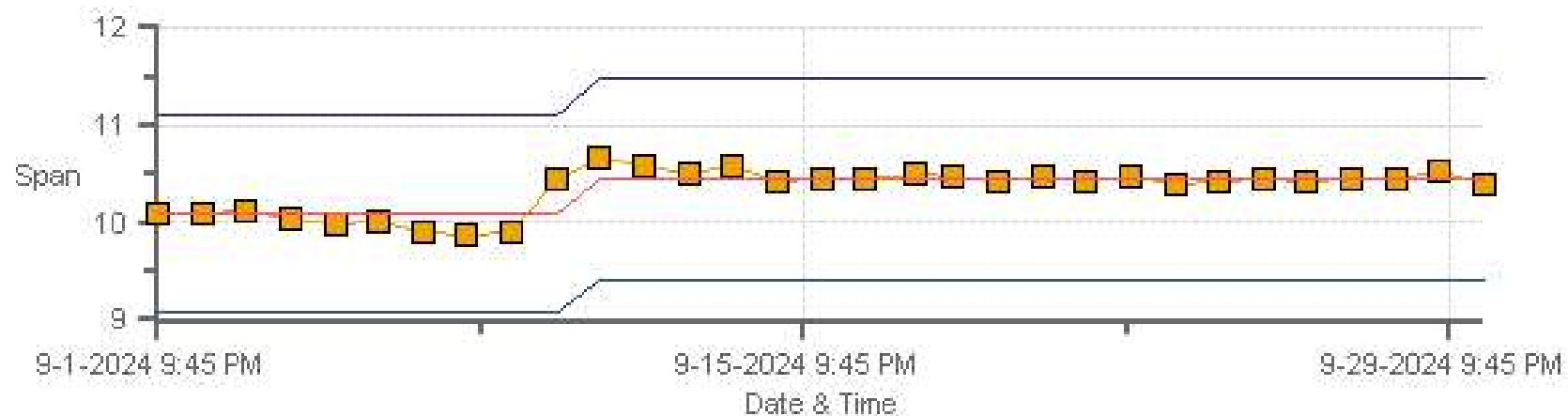
Span Span Ref Span Low Span High

CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 09-2024 Type: SpanAndZero - Zero



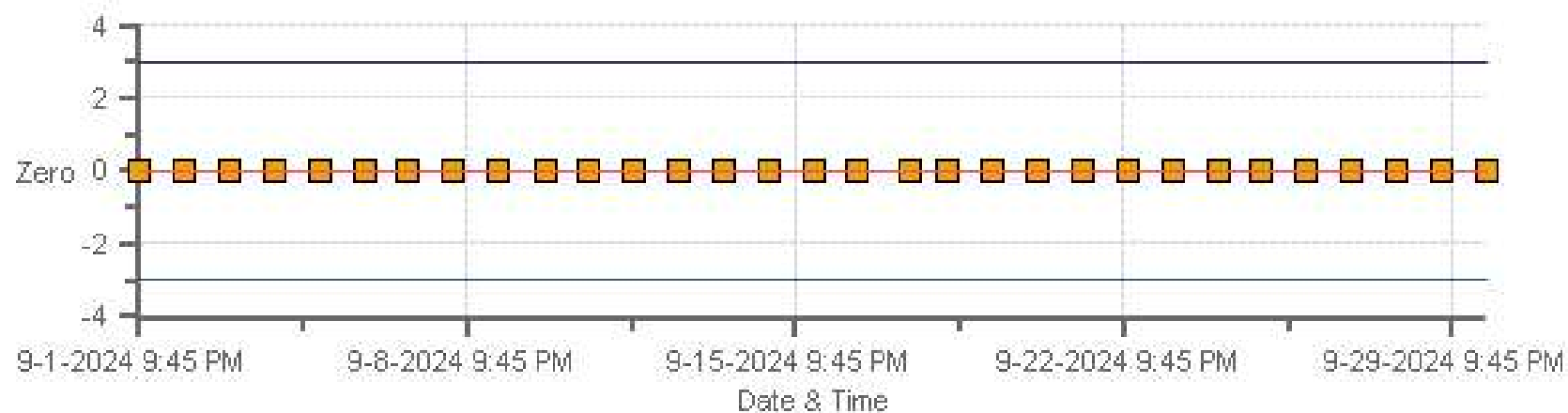
Zero Zero Ref Zero Low Zero High

CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 09-2024 Type: SpanAndZero - Span



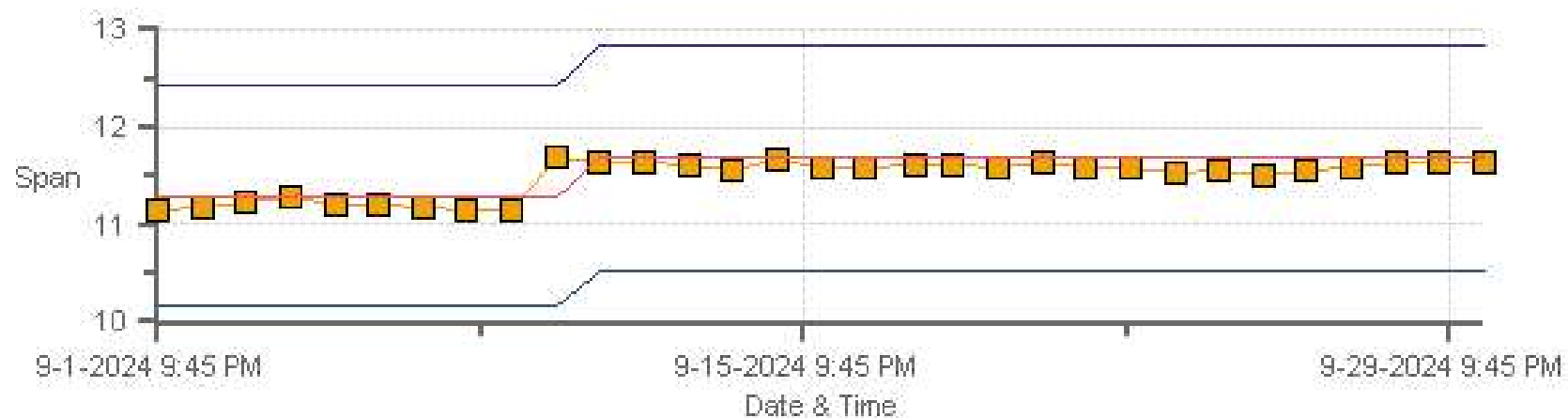
Span Span Ref Span Low Span High

NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 09-2024 Type: SpanAndZero - Zero



Zero Zero Ref Zero Low Zero High

NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 09-2024 Type: SpanAndZero - Span



Span SpanRef Span Low Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution



DATE:	10-Sep-2024	PREVIOUS CALIBRATION DATE:	08-Aug-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	23.0
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	942
PURPOSE:	Routine	START TIME (MST):	09:47
PERFORMED BY:	Chris Wesson	END TIME (MST):	13:36

ANALYZER:

MAKE/MODEL	Thermo 43i	RANGE	500 ppb
SERIAL #	1034746225	FLOW (mL/min)	440
INITIAL		FINAL	
BKG/OFFSET	19.6	BKG/OFFSET	19.6
COEF/SLOPE	1.128	COEF/SLOPE	1.126
Expected (reference) Value	256.6	Expected (reference) Value	253.2

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	2020EXP
ID:	75401122	ID:	18700921
MFC CALIBRATION DATE:	09-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL107286	HIGH ID	n/a
CONC (ppm):	25.1	EXPIRY DATE	n/a
CYLINDER (psi):	500	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

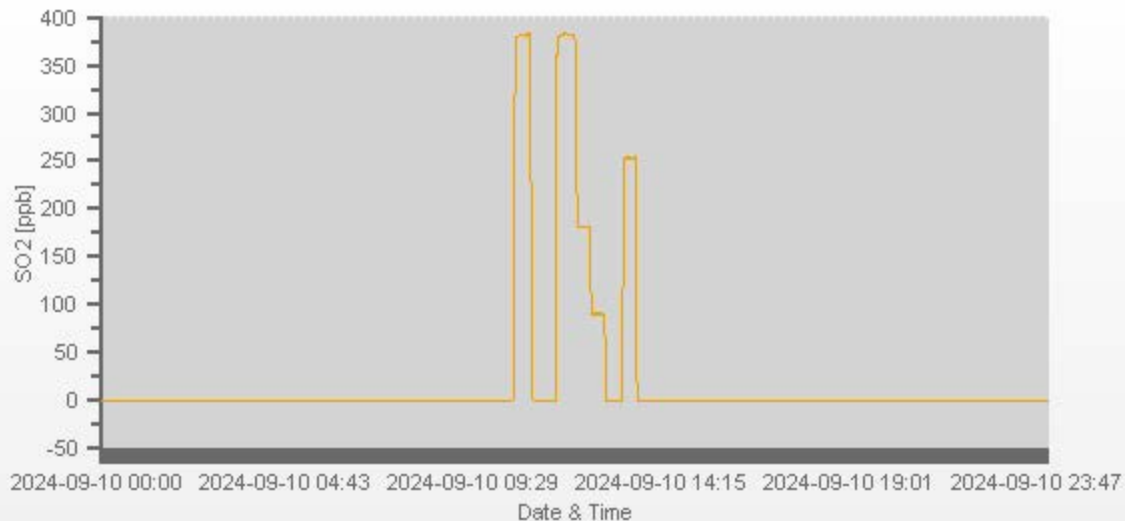
FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4000	60.80	4000	0.00	0.3	0	1.000	0.998
3938	60.80	3999	381.62	381.8	382.2	1.000	0.998
3971	28.80	4000	180.72	n/a	181.9	n/a	0.994
3985	14.40	3999	90.38	n/a	90.5	n/a	0.999

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.002	0.0%

COMMENTS:

Sample Filter Changed



H2S Analyzer Calibration by Dilution



DATE:	10-Sep-2024	PREVIOUS CALIBRATION DATE:	08-Aug-2024
PARAMETER:	H2S	PREVIOUS CORRECTION FACTOR:	0.994
CLIENT:	PRAMP	TEMPERATURE (°C):	23.0
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	942
PURPOSE:	Routine	START TIME (MST):	09:46
PERFORMED BY:	Chris Wesson	END TIME (MST):	13:36

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1308857354	FLOW (mL/min)	926
INITIAL		FINAL	
BKG/OFFSET	17	BKG/OFFSET	16.5
COEF/SLOPE	1.102	COEF/SLOPE	1.113
Expected (reference) Value	32.5	Expected (reference) Value	34.4

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	2020EXP
ID:	75401122	ID:	18700921
MFC CALIBRATION DATE:	09-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002455	HIGH ID	n/a
CONC (ppm):	9.7	EXPIRY DATE	n/a
CYLINDER (psi):	1700	LOW ID	n/a
EXPIRY DATE	29-Sep-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4000	32.20	4000	0.00	-0.3	0	0.998	1.000
3967	32.20	3999	78.10	78	78.1	0.998	1.000
3984	15.70	4000	38.07	n/a	38.2	n/a	0.997
3991	7.80	3999	18.92	n/a	19.1	n/a	0.991

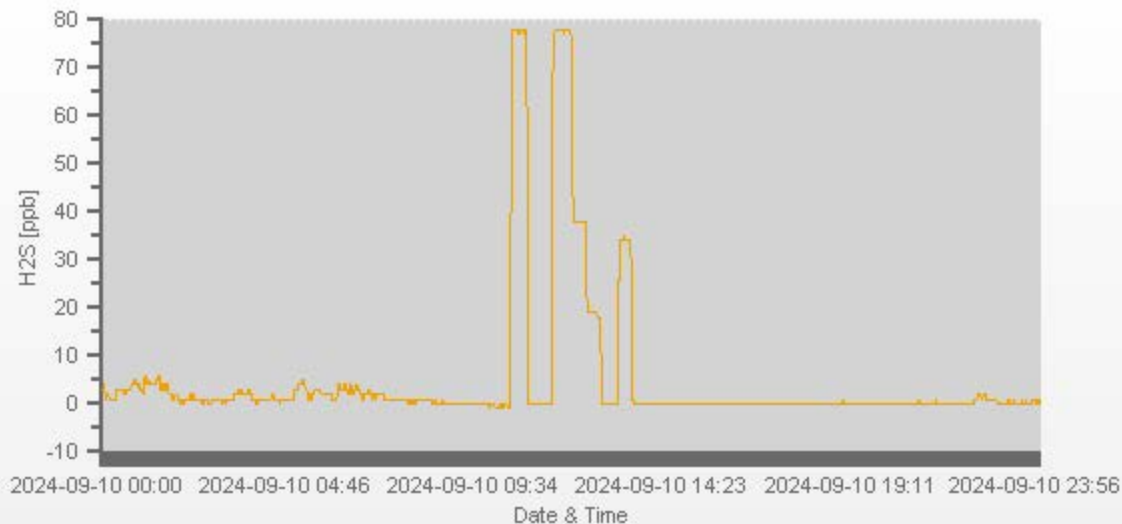
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.999	0.1%

COMMENTS:

Sample filter changed

H2S[ppb] Station: Peace River Complex [PRC] Daily: 2024-09-10 Type: AVG 1 Min. [1 Min.]



CAL-PRAMP-202409-01698

Page 18 of 21
H2S [ppb]

TRS Analyzer Calibration by Dilution



DATE:	10-Sep-2024	PREVIOUS CALIBRATION DATE:	08-Aug-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.996
CLIENT:	PRAMP	TEMPERATURE (°C):	23.0
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	942
PURPOSE:	Routine	START TIME (MST):	09:46
PERFORMED BY:	Chris Wesson	END TIME (MST):	13:36

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1034746224	FLOW (mL/min)	691
INITIAL		FINAL	
BKG/OFFSET	29.7	BKG/OFFSET	30
COEF/SLOPE	1.072	COEF/SLOPE	1.084
Expected (reference) Value	54.79	Expected (reference) Value	55.02

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	2020EXP
ID:	75401122	ID:	18700921
MFC CALIBRATION DATE:	09-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002455	HIGH ID	n/a
CONC (ppm):	9.7	EXPIRY DATE	n/a
CYLINDER (psi):	1700	LOW ID	n/a
EXPIRY DATE	29-Sep-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

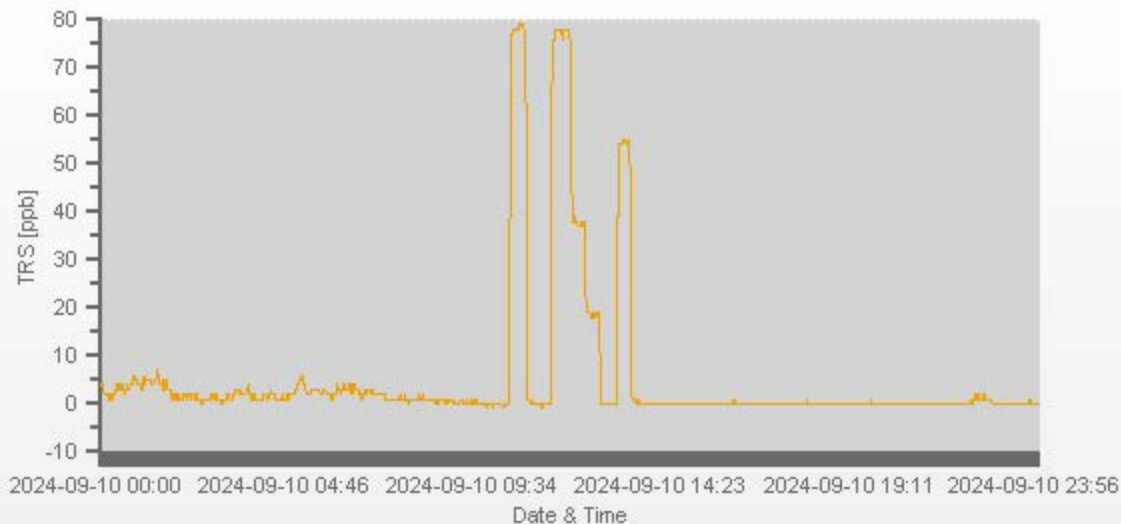
FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4000	32.20	4000	0.00	0.39	0	0.993	0.999
3967	32.20	3999	78.10	79.08	78.16	0.993	0.999
3984	15.70	4000	38.07	n/a	38.26	n/a	0.995
3991	7.80	3999	18.92	n/a	18.85	n/a	1.004

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	0.0%

COMMENTS:

Sample filter changed



Methane/Non-Methane Analyzer Calibration by Dilution



CALIBRATION:				ANALYZER:			
DATE:	10-Sep-2024	PREVIOUS CALIBRATION DATE:	08-Aug-2024	VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
CLIENT:	PRAMP	TEMPERATURE (°C):	23.0		Thermo 55i	1034745845	1074
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	942	PARAMETER:	CH4	NMHC	THC
PURPOSE:	Routine	START TIME (MST):	09:47	RANGE (ppm):	20	20	40
PERFORMED BY:	Chris Wesson	END TIME (MST):	13:36	PREVIOUS CF:	0.998	0.999	0.999

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:		FLOWMETERS (if applicable):	
MAKE:	SABIO	MAKE:	Sabio	CYLINDER ID:	LL68768	HIGH ID:	n/a
MODEL:	2010	MODEL:	2020EXP	CH ₄ /C ₃ H ₈ (ppm):	897.0 301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	18700921	CYLINDER (psi):	700	LOW ID:	n/a
MFC CALIBRATION DATE:	06-Sep-2024	OXIDIZER ID:	115	EXPIRY DATE	08-Nov-2029	LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH ₄ /NMHC)	HIGH	MID	LOW	CH ₄ EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C ₃ H 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:

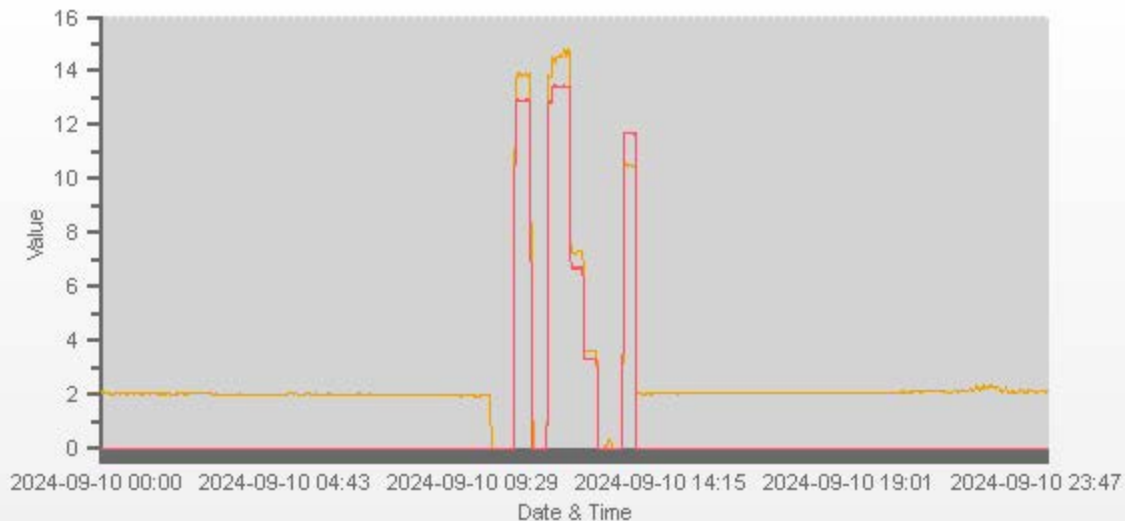
INITIAL	CH ₄	NMHC	THC	FINAL	CH ₄	NMHC	THC
	10.09	11.29	21.38		10.44	11.68	22.12

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC
3099	X	3099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	X	X	X	X	X	X
3050	50.30	3100	14.55	13.43	27.99	13.83	12.90	26.73	14.63	13.43	28.05	1.052	1.041	1.047	0.995	1.000	0.998
3075	25.20	3100	7.29	6.73	14.02	n/a	n/a	n/a	7.32	6.72	14.03	n/a	n/a	n/a	0.996	1.001	0.999
3088	12.60	3101	3.64	3.36	7.01	n/a	n/a	n/a	3.63	3.36	6.98	n/a	n/a	n/a	1.004	1.001	1.004

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT	Comments:
CH ₄	1.000	1.006	-0.1%	
NMHC	1.000	1.000	0.0%	
THC	1.000	1.003	-0.1%	



CAL-PRAMP-202409-01698

Meteorological System Checklist



Date:	September 10, 2024		
Technician:	Chris Wesson		
Station:	Peace River Compliance		
Unit:	Make:	Model:	Serial #:
Precipitation Sampler:	RM Young	52202	TB 16325
Temperature Sensor:	Rotronic	HC2-S3	20558318
Barometric Pressure Sensor:	MetOne	092	B19577
Relative Humidity Sensor:	Rotronic	HC2-S3	20558318
Anemometer:	RM Young	05305VK	129612
AMBIENT TEMPERATURE SENSOR CHECK			
Previous check date:	August 8, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025		
Reference Temperature (°C):	15.1		
Station - Ambient Temperature (°C):	14.9		
Temperature Difference (°C):	0.2		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	August 8, 2024		
Reference Barometer ID:	Brunton ADC #231010, Exp: Oct 10, 2024		
Reference Pressure - Units/Reading:	millibar	938.4	
Station Pressure - Units/Reading:	millibar	941	
Pressure Tolerance +/- 15% of error:	798 - 1079	-0.28%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	August 8, 2024		
Reference Hygrometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025		
Reference Hygrometer % RH- Reading:	53.90		
Station Hygrometer % RH- Reading:	60.10		
RH Tolerance +/- 15% of difference:	45.82 - 61.99	-11.5%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	August 8, 2024	Previous check date:	August 8, 2024
Wind Speed Observed (kph):	5~10	Wind Direction Observed:	E
Wind speed on Data Logger (kph):	6.9	Wind Direction on Data Logger:	E
		Wind Direction Pass/Fail?:	Pass
Comments			
No issues.			



Meteorological Sensor Audit/Calibration

Location Information

Company: PRAMP
Audit Location: PRC Compliance
Audit Date: August 3, 2023
Calibration Purpose: routine annual

Performed By: Chris Wesson
Reviewed By: Limin Li
Start/End Time (mst): 10:40 / 11:32
Weather Conditions: Mainly cloudy with drizzle

Wind Sensor Information

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

Wind Calibrator Information

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

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

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

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

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

Comments:

Declination = 15 deg East
Physical inspection completed, bearings replaced



Meteorological Sensor Audit/Calibration

Location Information

Company: PRAMP
Audit Location: PRC Compliance
Audit Date: September 10, 2024
Calibration Purpose: routine annual

Performed By: Chris Wesson
Reviewed By: Limin Li
Start/End Time (mst): 08:15 - 10:37
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 ₂ S)	Bureau Veritas EMS SOP-00209: Ambient Sulphur Monitoring
TOTAL REDUCED SULPHUR (TRS)	Bureau Veritas EMS SOP-00209: Ambient Sulphur Monitoring
TOTAL HYDROCARBONS (THC), METHANE (CH ₄), NON-METHANE(NMHC)	Bureau Veritas EMS SOP-00001: Methane, Non-Methane Hydrocarbon Analyzer Monitoring
OXIDES OF NITROGEN (NO _x), NITRIC OXIDE (NO) & NITROGEN DIOXIDE (NO ₂)	Bureau Veritas EMS SOP-00213: Ambient NO/NO ₂ /NO _x Monitoring
OZONE (O ₃)	Bureau Veritas EMS SOP-00212: Ambient O ₃ 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

SEPTEMBER 2024

Monthly Ambient Air Quality Monitoring Integrated Sampling Report

PRAMP-202409-INTEGRATED

October 21, 2024

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

October 21, 2024

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

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

Enclosed is the September 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 ₂ S, 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 ₂ S, SO ₂	PRAMP	Bureau Veritas	PRAMP	PRAMP

Monitoring Notes during the Month of September 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 canister events recorded this month.

- **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 are scheduled to be removed by the end of October.

- **Passives H₂S and SO₂ 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 August 30 and were removed on October 30.
 - SO₂ sample media at location #4 was missing. No analytical results were available as a result.

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).

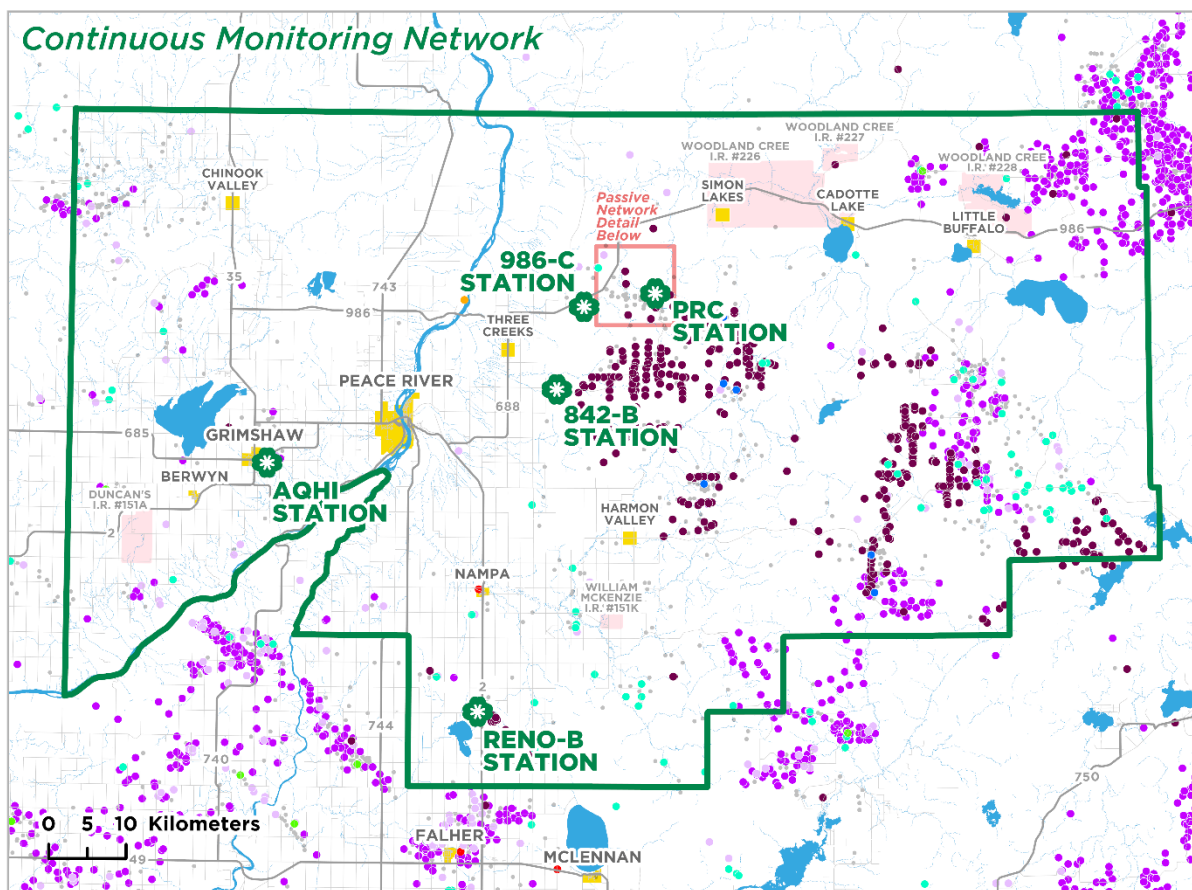
I certify that I have reviewed and verified this report and that the information is complete, accurate and representative of the monitoring results, reporting timeframe and the specified analysis, summarization and reporting requirements. I also certify that at the time of this report's submission, all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



Michael Bisaga, Technical Program Manager, PRAMP Airshed

October 21, 2024

Map of PRAMP Continuous Monitoring and Integrated Sampling Network



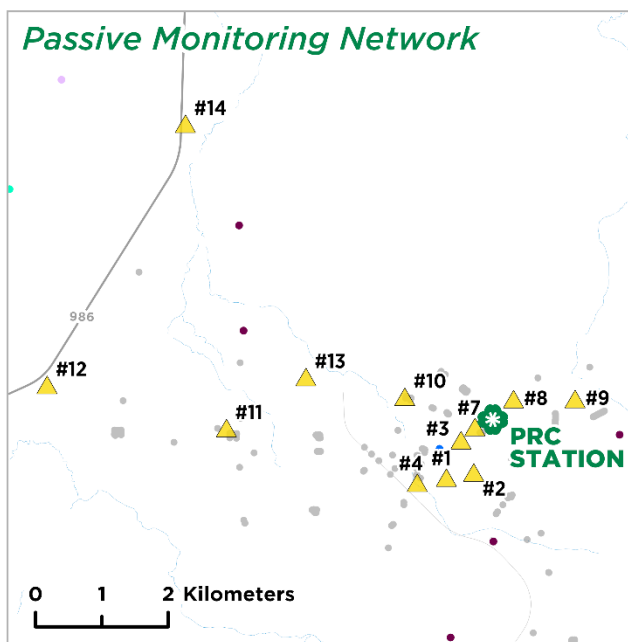
Legend

- 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 Credit: Esri, CGIAR, USGS, Esri, USGS



INTEGRATED SAMPLING RESULTS SUMMARY

- **NMHC analytical results**

None to report

- **Passive analytical results**

	H ₂ S		SO ₂	
Minimum (ppb)	0.24	#14	0.1	#14
Maximum (ppb)	1.54	#4	0.4	#2
Average (ppb)	0.68	-	0.27	-

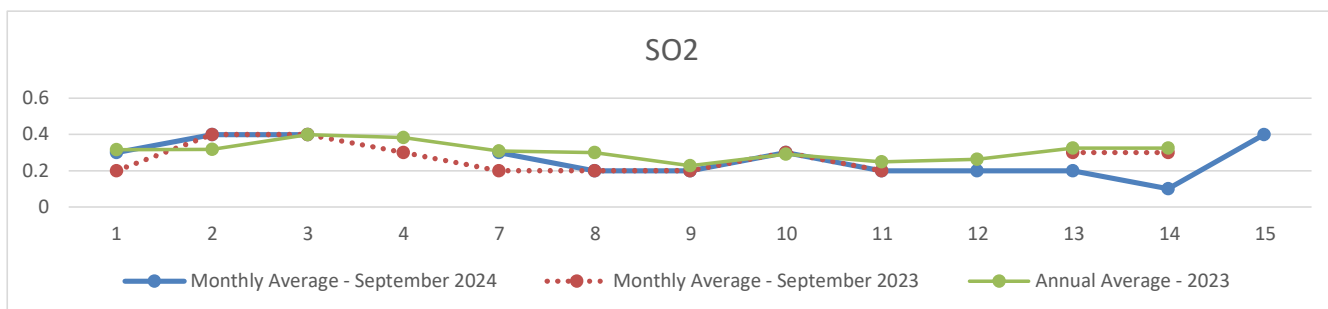
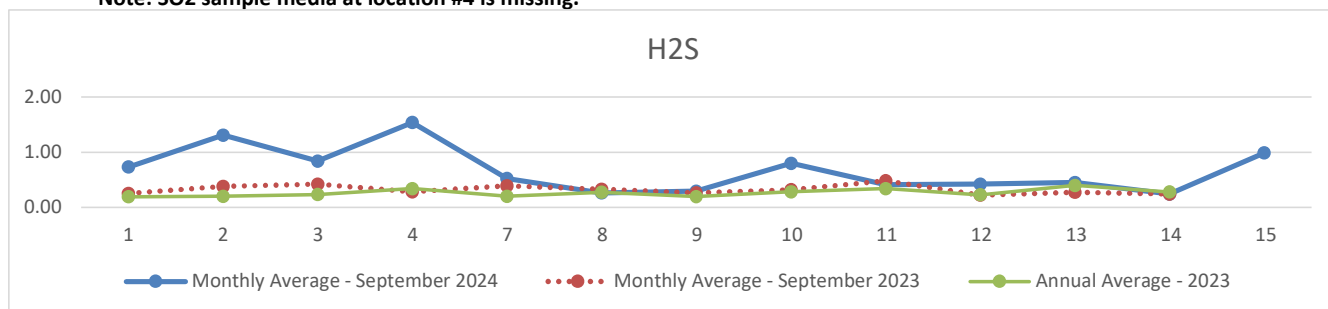
Note: SO2 sample media at location #4 is missing.

ANALYTICAL SAMPLING RESULTS

Passives

	H ₂ S		SO ₂	
Minimum (ppb)	0.24	#14	0.1	#14
Maximum (ppb)	1.54	#4	0.4	#2
Average (ppb)	0.68	-	0.27	-
No.	Calculated Value		Calculated Value	
1	0.73		0.3	
2	1.31		0.4	
3	0.84		0.4	
4	1.54		N/A	
7	0.52		0.3	
8	0.26		0.2	
9	0.29		0.2	
10	0.80		0.3	
11	0.41		0.2	
12	0.42		0.2	
13	0.45		0.2	
14	0.24		0.1	
15	0.99		0.4	
Reportable Detection Limit (RDL)	0.02		0.1	

Note: SO₂ sample media at location #4 is missing.



End of Report



Peace River Area Monitoring Program

SEPTEMBER 2024

Ambient Air Monitoring

Certified Laboratory Analysis Report

LAB-PRAMP-202409

Operation and Maintenance:

Bureau Veritas Canada

Data Validation and Report:

Peace River Area Monitoring Program

October 17, 2024

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Passive Sampling Analytical Results



6744 - 50 St. Edmonton AB Canada T6B 3M9

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

Bureau Veritas Job Number:

PASSIVE AIR CHAIN OF CUSTODY

Page ___ of ___

Invoice To	
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	30/08/24	7:00	01/10/24	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		10:00		X	X								
Blank						X	X								
Blank						X	X								

Notes/Comments: Client 12521 / Scenario 18009

15302

15H25

AR 24-10-03 09130

Sampled By Bo Guerin Phone/Email 618/1880

Date Shipped Oct. 1. 24

Received By Bo Guerin Date/Time Aug-30-24 Project # CNRL PRC

Signature [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>.

LAB-PRAMP-202409

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Your Project #: 2024/08/30-2024/10/01
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: 2024/10/17
Report #: R3572732
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C479044

Received: 2024/10/03, 09:30

Sample Matrix: Air
Samples Received: 13

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
H2S Passive Analysis	13	2024/10/08	2024/10/16	PTC SOP-00150	Passive H2S in ATM
SO2 Passive Analysis	13	2024/10/04	2024/10/16	PTC SOP-00149	Passive SO2 in ATM

This report shall not be reproduced except in full, without the written approval of the laboratory.
Results relate only to the items tested.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Rowena Geron
Customer Service Associate
17 Oct 2024 09:55:34

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

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RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		CWZ123	CWZ124	CWZ125	CWZ126	CWZ127	CWZ128	CWZ129		
Sampling Date		2024/08/30 07:00	2024/08/30 07:00	2024/08/30 07:00	2024/08/30 07:00	2024/08/30 07:00	2024/08/30 07:00	2024/08/30 07:00		
	UNITS	1	2	3	4	7	8	9	RDL	QC Batch
Passive Monitoring										
Calculated H2S	ppb	0.73	1.31	0.84	1.54	0.52	0.26	0.29	0.02	B555177
Calculated SO2	ppb	0.3	0.4	0.4	MISSING (1)	0.3	0.2	0.2	0.1	B551195
RDL = Reportable Detection Limit (1) MS										

Bureau Veritas ID		CWZ130	CWZ131	CWZ132	CWZ133	CWZ134	CWZ135		
Sampling Date		2024/08/30 07:00	2024/08/30 07:00	2024/08/30 07:00	2024/08/30 07:00	2024/08/30 07:00	2024/08/30 10:00		
	UNITS	10	11	12	13	14	15	RDL	QC Batch
Passive Monitoring									
Calculated H2S	ppb	0.80	0.41	0.42	0.45	0.24	0.99	0.02	B555177
Calculated SO2	ppb	0.3	0.2	0.2	0.2	0.1	0.4	0.1	B551195
RDL = Reportable Detection Limit									



BUREAU
VERITAS

Bureau Veritas Job #: C479044
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GENERAL COMMENTS

Sample CWZ126 [4] : One unused SO2 was returned. Sample #4 SO2 was missing. --YL6 20241016

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QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B551195	OZ	Spiked Blank	Calculated SO2			100	%	90 - 110
B551195	OZ	Method Blank	Calculated SO2		<0.1		ppb	
B555177	YYA	Spiked Blank	Calculated H2S			102	%	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

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VALIDATION SIGNATURE PAGE

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

Yang Liu, Laboratory Supervisor

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End of Report