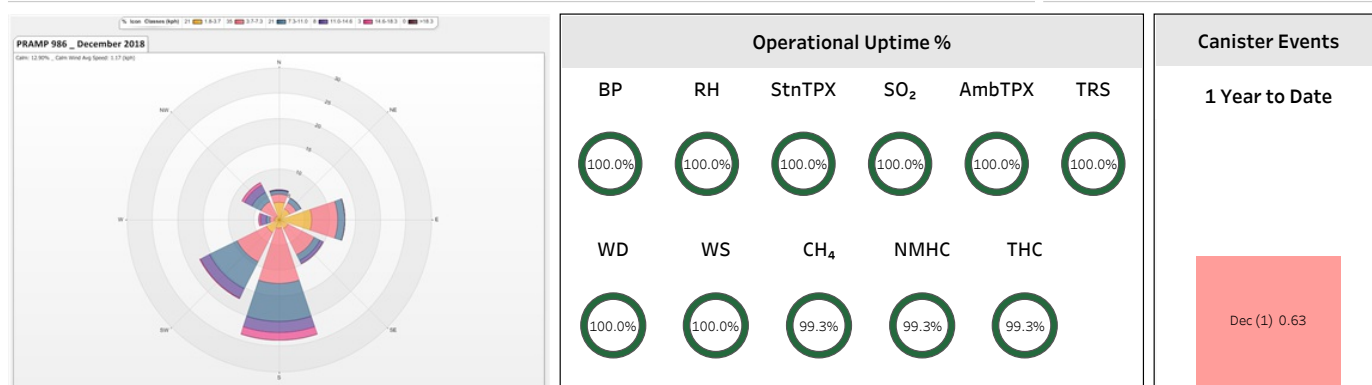


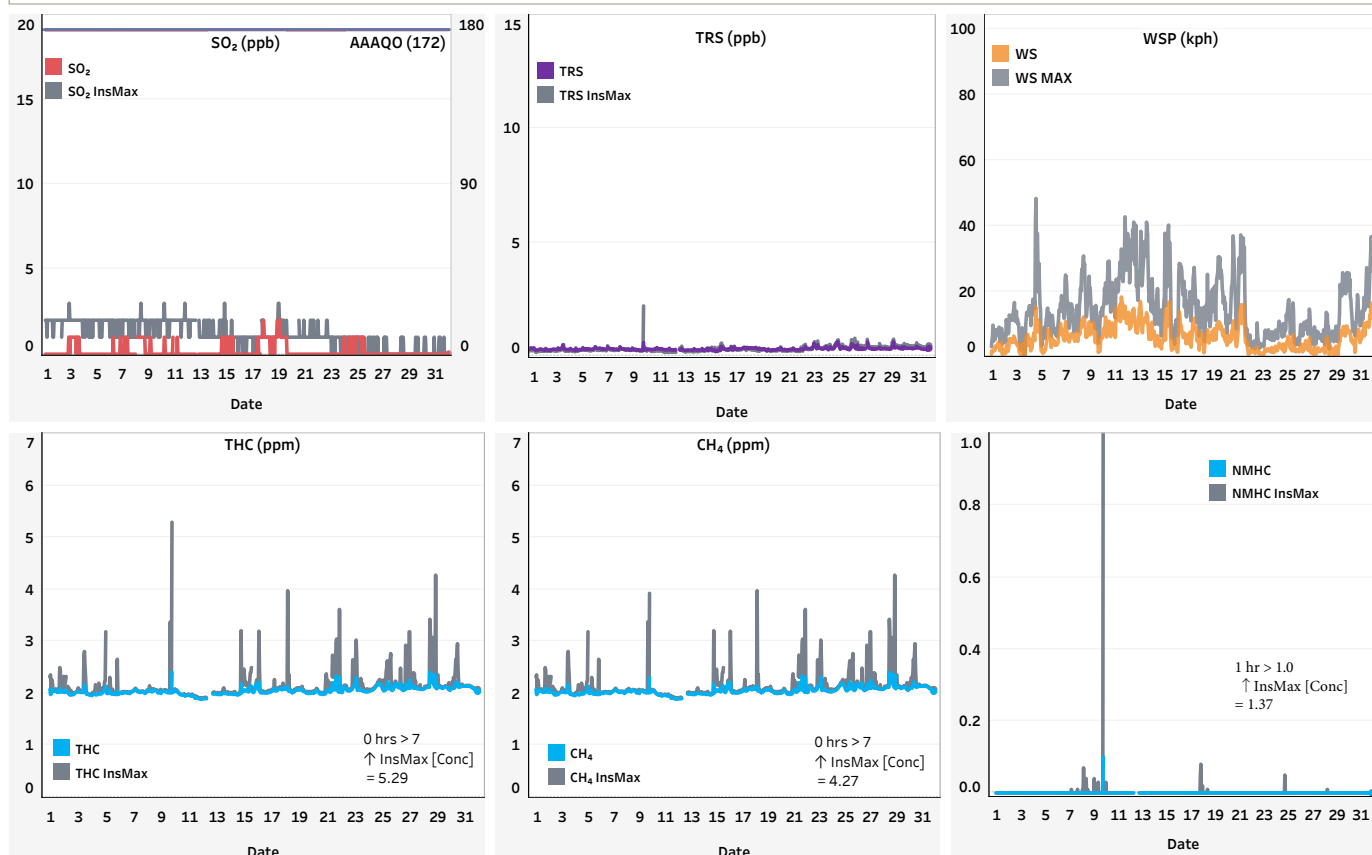
Peace River Area Monitoring Program Committee - 986b Station December 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2018).
- The operational times for all continuous ambient air analyzers, meteorological systems and data acquisition systems, were above 90%.

Station	Pollutant	Unit	AVG [Conc]	Uptime	Hourly Max [Conc]	Max Date	WS	WD	# Hrs >172 AAAQO	24-Hr Max [Conc]	24-Hr Avg Max Date	# Days >48 AAAQO
PRAMP - 986b	SO ₂	ppb	0	100.0%	2	Dec 17 Hr17	6.1	195 (SSW)	0	1	Dec 8	0
	TRS	ppb	0.31	100.0%	0.63	Dec 24 Hr21	2.8	99 (E)	-	0.40	Dec 24	-
	THC	ppm	2.04	99.3%	2.40	Dec 9 Hr20	1.7	265 (W)	-	2.17	Dec 28	-
	CH ₄	ppm	2.04	99.3%	2.40	Dec 28 Hr12	0.3	22 (NNE)	-	2.17	Dec 28	-
	NMHC	ppm	0.00	99.3%	0.10	Dec 9 Hr20	1.7	265 (W)	-	0.00	Dec 1	-
	WS	kph	2.4	100.0%	18.2	Dec 11 Hr14	18.2	169 (SSE)	-	11.7	Dec 11	-
	WD	degree	192 (S)	100.0%	-	-	-	-	-	-	-	-
	RH	%	79	100.0%	100	Dec 21 Hr3	11.8	301 (WNN)	-	95	Dec 1	-
	BP	mbar	938	100.0%	955	Dec 30 Hr18	6.7	186 (S)	-	951	Dec 5	-
	AmbTPX	°C	-9.3	100.0%	3.6	Dec 18 Hr13	5.6	225 (SW)	-	0.8	Dec 13	-
	StnTPX	°C	21.9	100.0%	26.7	Dec 5 Hr11	3.8	250 (WSW)	-	25.6	Dec 9	-



Operational Summary _ THC/CH₄/NMHC: Uptime was 99.3% = 5 hrs of downtime. Additional zero-span check performed as a quality check after span gas replacement on Dec 4 (-1 hr). The sample pump was rebuilt on Dec 12 in response to a "low flow" alarm (-4 hrs). **Station Temperature:** HVAC system was repaired on Dec 11. **Canister:** One event recorded at 20:25 on Dec 9, at an initial concentration of 0.63 ppm.

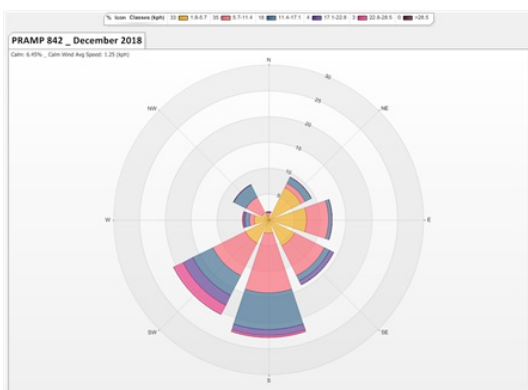


* Instantaneous hourly maximum data was not baseline-corrected and is considered raw data.

Peace River Area Monitoring Program Committee - 842b Station December 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2018).
- The operational times for all continuous ambient air analyzers, meteorological systems and data acquisition systems were above 90%.

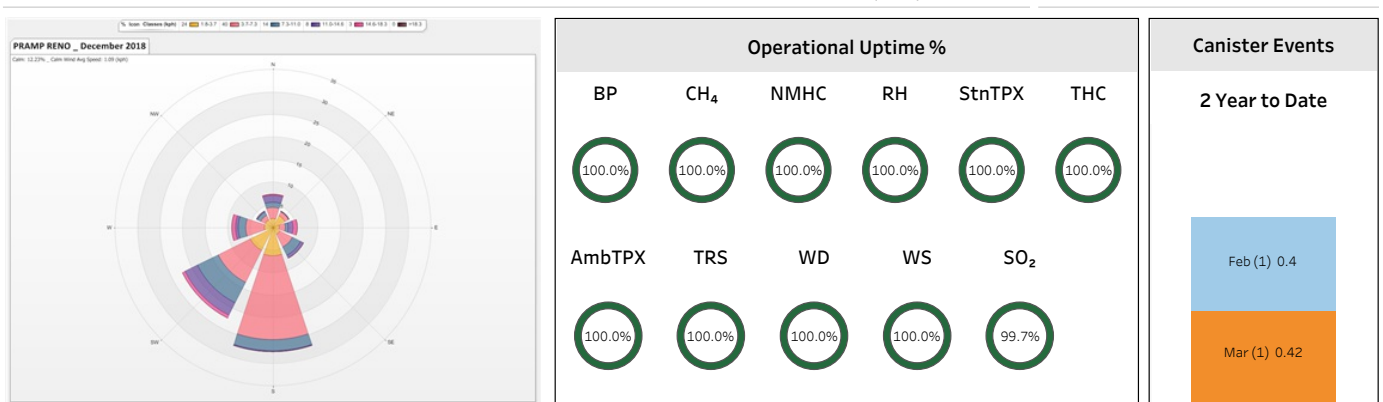
Station	Pollutant	Unit	AVG [Conc]	Uptime	Hourly Max [Conc]	Max Date	WS	WD	# Hrs >172 AAAQO	24-Hr Max [Conc]	24-Hr Avg Max Date	# Days >48 AAAQO
PRAMP - 842b	SO ₂	ppb	0	100.0%	3	Dec 18 Hr21	14.3	209 (SSW)	0	1	Dec 8	0
	TRS	ppb	0.26	100.0%	0.51	Dec 15 Hr13	10.9	302 (WN..)	-	0.32	Dec 23	-
	THC	ppm	2.06	99.9%	2.39	Dec 26 Hr1	4.5	56 (NE)	-	2.14	Dec 29	-
	CH ₄	ppm	2.06	99.9%	2.39	Dec 26 Hr1	4.5	56 (NE)	-	2.14	Dec 29	-
	NMHC	ppm	0.00	99.9%	0.01	Dec 24 Hr21	6.7	67 (ENE)	-	0.00	Dec 1	-
	WS	kph	4.0	100.0%	28.4	Dec 13 Hr13	28.4	240 (WSW)	-	19.0	Dec 12	-
	WD	degree	191 (S)	100.0%	-	-	-	-	-	-	-	-
	RH	%	79	100.0%	95	Dec 1 Hr17	5.4	223 (SW)	-	92	Dec 1	-
	BP	mbar	939	100.0%	956	Dec 30 Hr18	10.6	184 (S)	-	952	Dec 5	-
	AmbTPX	°C	-9.2	100.0%	3.0	Dec 18 Hr12	6.4	187 (S)	-	0.3	Dec 13	-
	StnTPX	°C	21.8	100.0%	23.4	Dec 3 Hr9	1.6	241 (WSW)	-	23.0	Dec 3	-



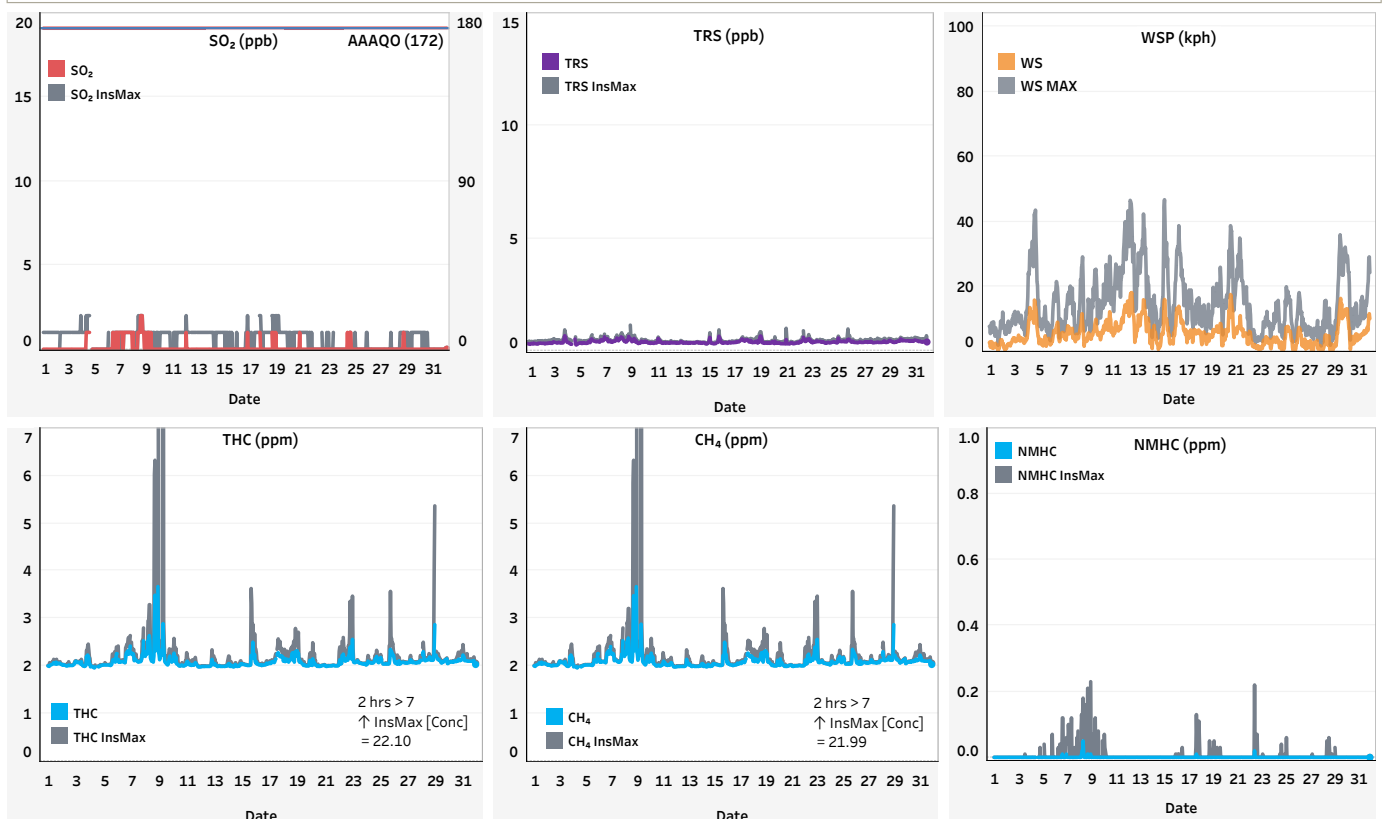
Peace River Area Monitoring Program Committee - Reno Station December 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2018).
- The operational times for all continuous ambient air analyzers, meteorological systems and data acquisition systems, were above 90%.

Station	Pollutant	Unit	AVG [Conc]	Uptime	Hourly Max [Conc]	Max Date	WS	WD	# Hrs >172 AAAQO	24-Hr Max [Conc]	24-Hr Avg Max Date	# Days >48 AAAQO
PRAMP - Reno	SO ₂	ppb	0	99.7%	2	Dec 8 Hr11	7.9	198 (SSW)	0	1	Dec 7	0
	TRS	ppb	0.40	100.0%	0.68	Dec 3 Hr21	2.9	195 (SSW)	-	0.51	Dec 8	-
	THC	ppm	2.09	100.0%	3.67	Dec 8 Hr23	3.4	200 (SSW)	-	2.43	Dec 8	-
	CH ₄	ppm	2.09	100.0%	3.67	Dec 8 Hr23	3.4	200 (SSW)	-	2.43	Dec 8	-
	NMHC	ppm	0.00	100.0%	0.05	Dec 8 Hr8	5.9	192 (S)	-	0.01	Dec 8	-
	WS	kph	2.4	100.0%	18.2	Dec 12 Hr14	18.2	251 (WSW)	-	11.7	Dec 12	-
	WD	degree	206 (SSW)	100.0%	-	-	-	-	-	-	-	-
	RH	%	73	100.0%	90	Dec 20 Hr23	7.0	348 (NNW)	-	86	Dec 1	-
	BP	mbar	934	100.0%	951	Dec 30 Hr17	2.8	180 (S)	-	947	Dec 5	-
	AmbTPX	°C	-9.1	100.0%	2.4	Dec 11 Hr19	10.2	206 (SSW)	-	0.3	Dec 13	-
	StnTPX	°C	22.1	100.0%	23.8	Dec 4 Hr3	5.8	212 (SSW)	-	23.3	Dec 1	-



Operational Summary_ SO₂: Uptime was 99.7% = 2 hrs of downtime. An additional zero-span check was performed at hours 06:00 -07:00 on Dec 12 to assess span response (-2 hrs). **Canister:** No events recorded this month.



* Instantaneous hourly maximum data was not baseline-corrected and is considered raw data.