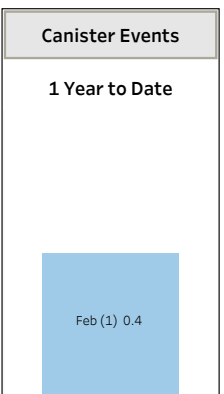
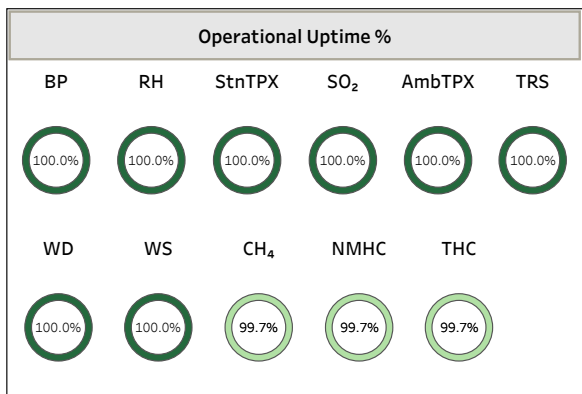
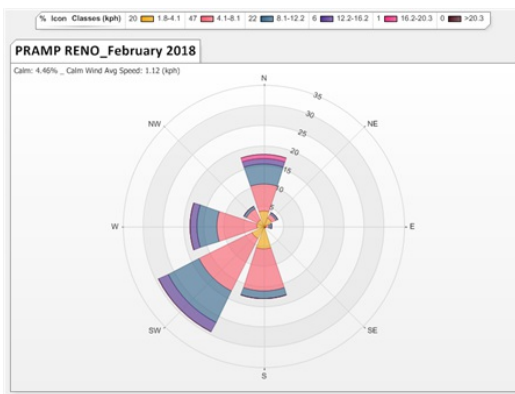


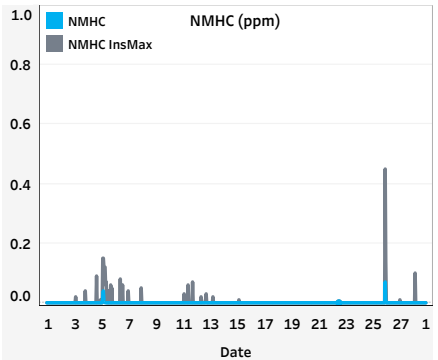
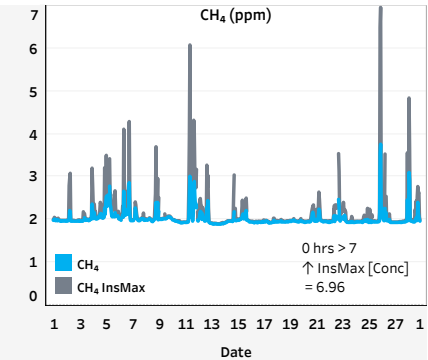
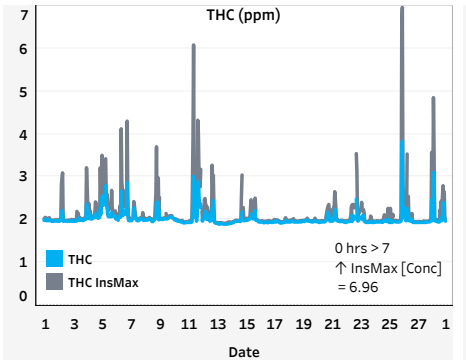
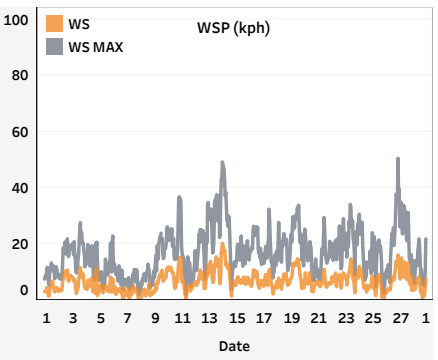
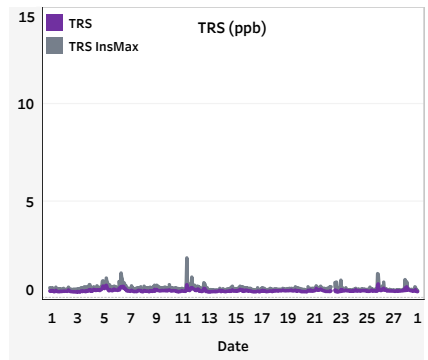
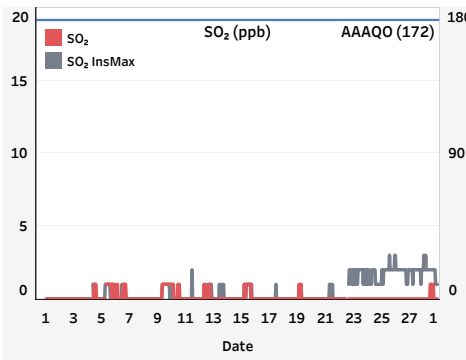
Peace River Area Monitoring Program Committee - Reno Station February 2018 Monthly Report Summary

- All data has been baseline corrected. Data may be subject to change after Level 3 data review.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2017).
- 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	100.0%	1	Feb 4 Hr10	6.4	215 (SSW)	0	1	Feb 5	0
	TRS	ppb	0.40	100.0%	0.75	Feb 25 Hr23	2.7	187 (S)	-	0.49	Feb 5	-
	THC	ppm	2.02	99.7%	3.83	Feb 25 Hr23	2.7	187 (S)	-	2.24	Feb 5	-
	CH ₄	ppm	2.02	99.7%	3.76	Feb 25 Hr23	2.7	187 (S)	-	2.24	Feb 5	-
	NMHC	ppm	0.00	99.7%	0.07	Feb 25 Hr23	2.7	187 (S)	-	0.00	Feb 1	-
	WS	kph	3.2	100.0%	20.2	Feb 14 Hr1	20.2	2 (N)	-	10.0	Feb 19	-
	WD	degree	252 (WSW)	100.0%	-	-	-	-	-	-	-	-
	RH	%	65	100.0%	91	Feb 13 Hr22	8.5	334 (NNW)	-	81	Feb 25	-
	BP	mbar	939	100.0%	958	Feb 8 Hr17	3.1	238 (SW)	-	956	Feb 8	-
	AmbTPX	°C	-14.7	100.0%	2.2	Feb 13 Hr13	13.1	250 (WSW)	-	-0.4	Feb 13	-
StnTPX	°C	22.3	100.0%	24.0	Feb 28 Hr16	3.3	171 (S)	-	22.6	Feb 28	-	



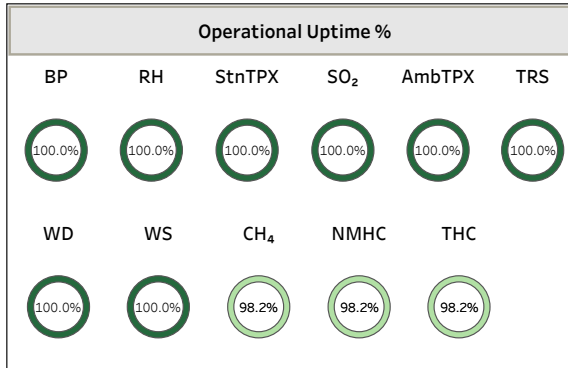
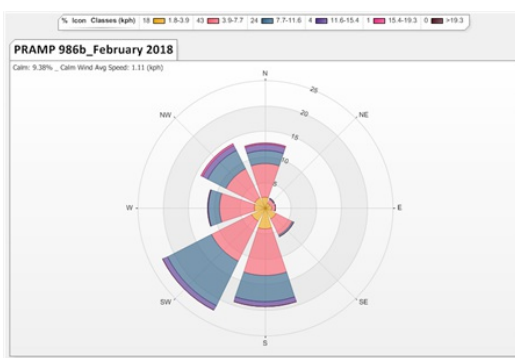
Operational Summary_THC/CH₄/NMHC: Uptime was 99.7% = 2 hrs downtime. The fuel gas cylinder was replaced on Feb 9, followed by a zero-span check (-1 hr). The sample manifold was cleaned prior to the start of monthly calibration on Feb 22 (-1 hr). A canister event was recorded on Feb 25 at 23:50, at an initial conc. of 0.40 ppm.



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

- All data has been baseline corrected. Data may be subject to change after Level 3 data review.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2017).
- The operational times for all continuous ambient air analyzers, meteorological systems and data acquisition systems were above 90%.

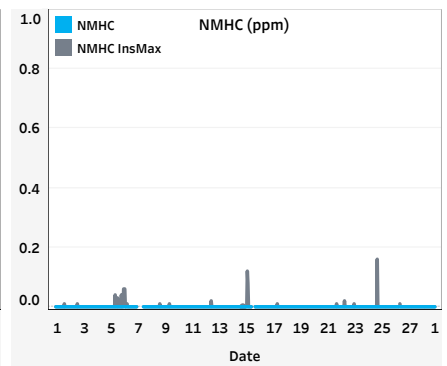
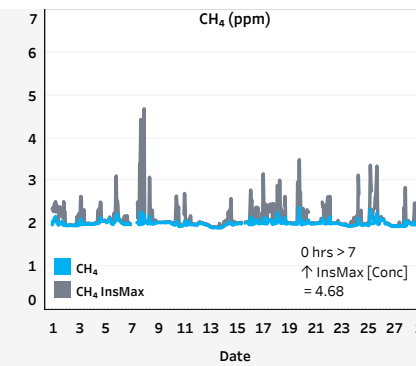
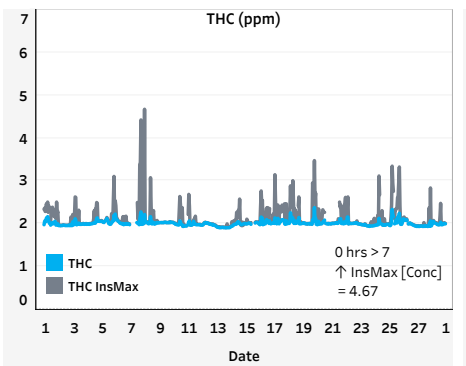
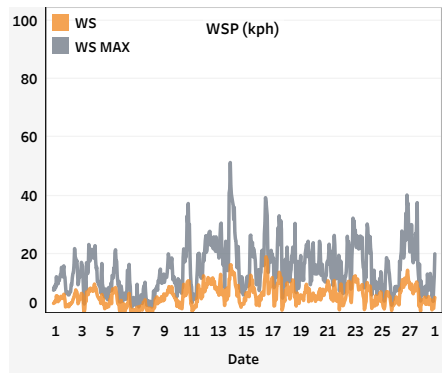
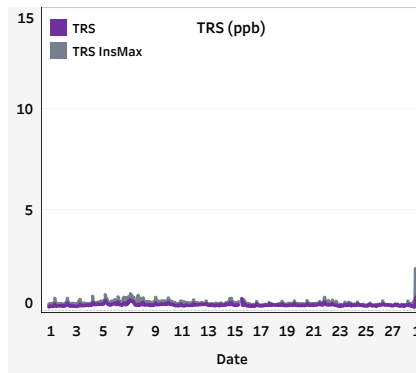
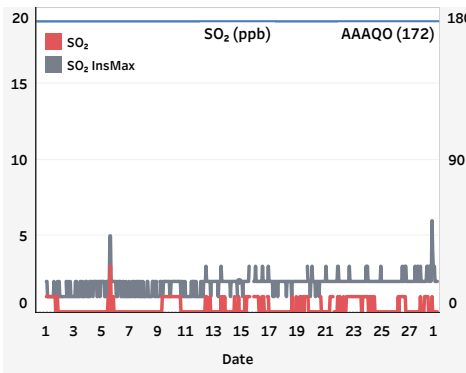
Station	Pollutant	Unit	AVG [Conc]	Uptime	Hourly Max [Conc]	Max Date	WS	WD	# Hrs >172 AAAQO	24-Hr Max [Conc]	24-Hr Avg Max Date	# Days >48 AAAQO
PRAMP - 986b	SO ₂	ppb	0	100.0%	3	Feb 5 Hr14	7.5	217 (SW)	0	1	Feb 1	0
	TRS	ppb	0.31	100.0%	0.71	Feb 28 Hr22	3.9	79 (ENE)	-	0.40	Feb 7	-
	THC	ppm	2.00	98.2%	2.37	Feb 19 Hr20	4.9	335 (NNW)	-	2.06	Feb 25	-
	CH ₄	ppm	2.00	98.2%	2.37	Feb 19 Hr20	4.9	335 (NNW)	-	2.06	Feb 25	-
	NMHC	ppm	0.00	98.2%	0.00	Feb 1 Hr0	3.3	344 (NNW)	-	0.00	Feb 1	-
	WS	kph	2.4	100.0%	19.2	Feb 16 Hr14	19.2	314 (NW)	-	9.9	Feb 12	-
	WD	degree	246 (WSW)	100.0%	-	-	-	-	-	-	-	-
	RH	%	71	100.0%	100	Feb 13 Hr20	5.9	269 (W)	-	85	Feb 25	-
	BP	mbar	943	100.0%	962	Feb 3 Hr8	4.8	319 (NW)	-	960	Feb 8	-
	AmbTPX	°C	-15.5	100.0%	2.3	Feb 13 Hr14	5.3	240 (WSW)	-	-0.5	Feb 13	-
	StnTPX	°C	23.5	100.0%	24.5	Feb 22 Hr15	10.8	211 (SSW)	-	23.7	Feb 3	-



Canister Events

None Year to Date

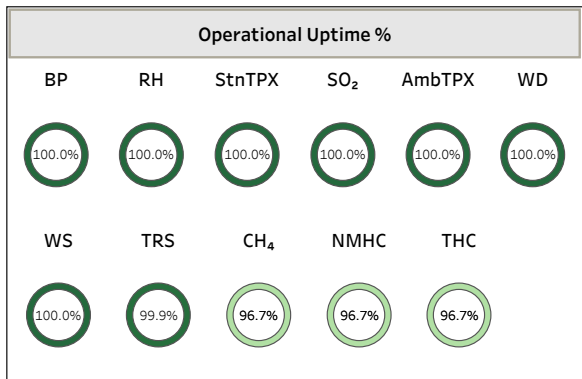
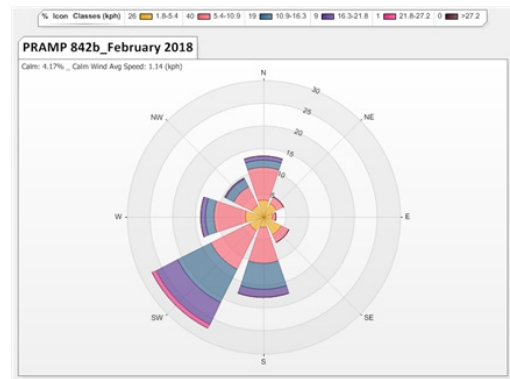
Operational Summary_THC/CH₄/NMHC: Uptime was 98.2% = 12 hrs downtime. Due to low fuel gas pressure the analyzer recorded anomalously low hourly and span data on Feb 7. The fuel gas cylinder was replaced, followed by a zero-span check (-10 hrs). Following monthly calibration on Feb 15, the channels remained offline in order to test the canister trigger program on the Ultimate datalogger (-2 hrs).



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

- All data has been baseline corrected. Data may be subject to change after Level 3 data review.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2017).
- 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	Feb 5 Hr13	11.1	220 (SW)	0	1	Feb 4	0
	TRS	ppb	0.20	99.9%	0.42	Feb 8 Hr1	2.5	50 (NE)	-	0.26	Feb 9	-
	THC	ppm	2.00	96.7%	2.35	Feb 8 Hr1	2.5	50 (NE)	-	2.10	Feb 7	-
	CH ₄	ppm	2.00	96.7%	2.35	Feb 8 Hr1	2.5	50 (NE)	-	2.09	Feb 7	-
	NMHC	ppm	0.00	96.7%	0.00	Feb 1 Hr0	3.6	337 (NNW)	-	0.00	Feb 1	-
	WS	kph	4.3	100.0%	27.1	Feb 26 Hr23	27.1	234 (SW)	-	16.5	Feb 12	-
	WD	degree	234 (SW)	100.0%	-	-	-	-	-	-	-	-
	RH	%	75	100.0%	96	Feb 13 Hr20	12.0	258 (WSW)	-	85	Feb 25	-
	BP	mbar	944	100.0%	963	Feb 8 Hr12	5.7	254 (WSW)	-	961	Feb 8	-
	AmbTPX	°C	-15.2	100.0%	1.6	Feb 13 Hr14	15.5	246 (WSW)	-	-1.0	Feb 13	-
StnTPX	°C	20.9	100.0%	22.2	Feb 8 Hr12	5.7	254 (WSW)	-	21.4	Feb 24	-	



Canister Events

None Year to Date

Operational Summary - TRS: Uptime was 99.9% = 1 hr downtime. An additional zero-span check (IZS) was performed on Feb 28 to assess a high span drift (-1 hr). **THC/CH₄/NMHC:** Uptime was 96.7% = 22 hrs downtime. Due to poor sample injections, sporadic instances of THC < 1.80 ppm, along with corresponding CH₄/NMHC values, were discarded in the minute data and hourly averages were recalculated: Feb 22, 23 and 27. Hourly data with >15 min of poor injections were discarded on Feb 27 (-3 hrs). The actuator failed on Feb 28 causing the IZS to fail. Data was rejected back to the identified point of failure on Feb 28, hr 05:00 (-19 hrs). The actuator was replaced on Mar 1.

