



Table 1: 2019 Suncor Sarnia Refinery Property Line Monitoring Results

	Station ID	STN-1	STN-2	STN-3	STN-4	STN-5	STN-6	STN-7	STN-8	STN-9	STN-10	STN-11	STN-12
	UTM Coordinates	382737mE 4754363mN	382919mE 4754241mN	383006mE 4754172mN	382965mE 4754030mN	383490mE 4753619mN	383233mE 4753234mN	382748mE 4753624mN	382586mE 4753729mN	382400mE 4753853mN	382101mE 4754053mN	381980mE 4754394mN	382432mE 4754570mN
Measured Benzene Concentration from 2-week monitoring period (ug/m3) Note: Duplicate values will be expressed in (brackets)	12/27/2018 - 1/10/2019	2.16 (2.27)	1.57	1.19	1.67	1.15	1.17	1.05	0.99	0.96	0.90	0.98	1.20
	1/10/2019 - 1/24/2019	1.55	1.38 (1.51)	1.10	1.62	1.26	0.99	1.07	1.03	1.17	1.00	1.04	1.44
	1/24/2019 - 2/7/2019	2.73	2.19	1.56 (1.45)	1.47	1.50	1.19	1.00	1.05	1.16	1.02	1.21	1.40
	2/7/2019 - 2/21/2019	2.04	2.23	1.60	1.58 (1.51)	1.06	0.98	0.96	1.00	1.09	1.22	1.11	1.26
	2/21/2019 - 3/7/2019	1.65	2.49	1.72	1.88	1.20 (1.24)	0.97	1.04	1.00	0.97	1.03	1.08	1.22
	3/7/2019 - 3/21/2019	7.20	2.09	1.35	1.59	0.93	0.72 (0.70)	0.73	0.82	0.84	0.87	0.99	1.58
	3/21/2019 - 4/4/2019	2.02	1.45	1.43	2.05	2.30	1.41	1.48 (1.43)	1.59	1.91	1.11	0.90	1.11
	4/4/2019 - 4/18/2019	1.90	1.82	1.57	1.82	2.35	1.83	1.49	1.49 (1.51)	1.71	1.46	0.98	1.31
	4/18/2019 - 5/2/2019	1.24	1.09	1.16	1.28	2.14	1.25	0.99	1.22	1.66 (1.68)	1.14	0.91	0.86
	5/2/2019 - 5/16/2019	1.34	1.49	1.29	1.42	2.57	1.79	1.30	1.55	1.94	1.33 (1.40)	0.67	0.69
	5/16/2019 - 5/30/2019	1.93	1.71	1.49	1.64	1.89	1.56	1.36	1.37	1.65	1.23	1.02 (0.90)	1.28
	5/30/2019 - 6/13/2019	1.64	1.46	1.15	1.49	2.17	1.67	1.14	0.97	1.33	1.02	0.96	1.01 (0.96)
	6/13/2019 - 6/27/2019	1.45 (1.47)	1.56	1.18	1.42	2.17	1.96	1.00	0.81	1.17	0.97	0.61	0.80
	6/27/2019 - 7/11/2019	2.19	2.13 (2.14)	1.63	1.64	2.61	2.55	1.62	1.35	1.75	1.58	1.04	1.47
	7/11/2019 - 7/25/2019	2.22	2.52	1.80 (1.75)	2.67	2.16	2.20	1.39	1.14	1.50	0.98	0.64	1.05
	7/25/2019 - 8/8/2019	NA	NA	2.18	2.59 (2.48)	2.06	1.53	1.84	1.37	1.86	1.63	0.86	1.51
	8/8/2019 - 8/22/2019	2.16	2.48	1.62	2.09	1.48 (1.43)	1.15	1.16	1.12	1.38	1.22	1.25	1.76
	8/22/2019 - 9/5/2019	1.83	1.89	1.42	1.84	1.32	1.06 (1.02)	1.08	1.05	1.38	1.30	1.29	1.26
	9/5/2019 - 9/19/2019	2.59	1.81	1.49	1.58	1.58	1.20	1.35 (1.45)	1.17	3.11	1.34	1.99	1.61
	9/19/2019 - 10/3/2019	4.60	3.39	1.84	2.37	1.67	1.01	1.01	1.07 (1.11)	1.85	1.11	0.92	3.11
	10/3/2019 - 10/17/2019	1.66	1.70	1.25	1.33	1.06	0.56	0.89	0.75	0.90 (0.90)	0.73	0.94	1.01
	10/17/2019 - 10/31/2019	2.22	1.85	1.34	1.68	1.39	1.38	1.21	1.10	1.23	0.97 (0.91)	0.91	1.19
	10/31/2019 - 11/14/2019	2.55	2.26	1.58	1.77	1.05	0.80	0.79	0.73	0.72	0.72	0.61 (0.63)	1.01
	11/14/2019 - 11/28/2019	2.99	2.66	2.06	1.87	1.29	1.10	1.01	0.94	0.97	1.10	1.26	1.73 (1.71)
	11/28/2019 - 12/12/2019	1.94 (1.93)	1.68	1.14	1.38	0.97	0.85	0.86	0.83	0.91	0.85	1.08	1.03
	12/12/2019 - 12/27/2019	3.67	2.79 (2.77)	1.85	2.26	1.62	1.17	1.42	1.41	NA	NA	NA	NA
	Notes: -For the sampling period of 7/25/2019-8/8/2019 STN-1 and STN-2 samples results are listed as NA. This was due to a power outage at the lab which stopped an instrument used to obtain the data. -For the sampling period of 12/12/2019-12/27/2019 STN-9,STN-10, STN-11 and STN-12 samples results are listed as NA. This was due to a instrument shutdown at the lab during a sample run.												