



Table 1: 2021 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) <i>Note: Duplicate values will be expressed in (brackets)</i>	12/23/2020 - 1/7/2021	1.55	1.92	1.46	1.65	1.03 (0.97)	0.95	0.80	0.88	0.76	0.76	1.02	1.28	
	1/7/2021 - 1/21/2021	2.01	2.82	1.66	1.75	1.72	1.21 (1.20)	1.32	1.06	1.30	0.83	0.87	1.16	
	1/21/2021 - 2/4/2021	1.28	1.43	1.25	1.81	1.19	1.17	1.17 (1.13)	1.02	1.48	0.97	0.83	0.94	
	2/4/2021 - 2/18/2021	2.03	1.93	1.49	1.71	1.19	1.21	1.11	1.07 (1.05)	1.29	1.34	1.26	1.47	
	2/18/2021 - 3/4/2021	2.06	2.18	1.57	1.84	1.38	1.18	1.18	0.97	1.07 (1.08)	0.97	1.07	1.36	
	3/4/2021 - 3/18/2021	1.17	1.35	0.96	1.52	1.46	1.38	0.95	0.91	1.26	0.91 (1.02)	0.79	1.03	
	3/18/2021 - 4/1/2021	2.16	2.16	1.18	1.87	1.26	1.05	1.07	1.01	1.65	1.11	1.44 (1.46)	1.38	
	4/1/2021 - 4/15/2021	2.26	1.85	1.12	1.57	1.07	0.97	0.97	0.92	1.01	0.98	1.04	1.51 (1.56)	
	4/15/2021 - 4/29/2021	1.67 (1.74)	2.12	1.57	2.07	1.59	1.53	1.26	1.21	1.40	1.09	0.94	1.42	
	4/29/2021 - 5/13/2021	1.25	1.30 (1.35)	1.10	1.73	1.53	1.63	1.01	0.91	1.05	0.78	0.60	0.78	
	5/13/2021 - 5/27/2021	2.88	2.79	1.56 (1.54)	1.73	1.44	1.09	1.10	1.19	1.20	0.93	0.70	1.48	
	5/27/2021 - 6/10/2021	2.38	2.7	1.51	1.72 (1.68)	1.84	1.31	1.33	1.2	1.55	0.9	0.65	1.06	
	6/10/2021 - 6/24/2021	1.98	2.18	1.39	1.53	1.30 (1.29)	1.53	1.12	0.92	1.08	0.71	0.70	1.04	
	6/24/2021 - 7/8/2021	2.31	2.78	1.74	1.85	1.88	1.44 (1.39)	1.40	1.19	1.25	1.57	1.16	1.21	
	7/8/2021 - 7/22/2021	1.70	2.28	1.96	2.03	1.50	1.55	1.28 (1.23)	1.22	1.36	1.45	0.94	1.03	
	7/22/2021 - 8/5/2021	2.03	2.66	2.69	2.42	1.16	1.10	0.94	0.91 (0.88)	1.06	1.01	0.97	1.44	
	8/5/2021 - 8/19/2021	2.66	2.72	1.75	1.82	1.66	1.35	1.38	1.29	1.46 (1.47)	1.21	1.24	1.57	
	8/19/2021 - 9/2/2021	2.64	2.69	1.90	2.41	1.63	2.03	1.59	1.35	1.48	1.05 (1.07)	1.16	1.41	
	9/2/2021 - 9/16/2021	1.82	2.05	1.52	1.80	1.19	0.88	0.94	0.80	0.85	0.81	1.34 (1.17)	0.70	
	9/16/2021 - 9/30/2021	2.36	NA*	1.13	1.34	1.44	1.17	1.12	0.91	1.23	0.95	0.77	1.37 (1.27)	
	*Could not be analyzed, monitoring station with shelter was knocked down and tube was damaged due to storm													
		9/30/2021 - 10/15/2021	2.92 (3.07)	2.58	1.47	1.47	1.36	1.34	1.24	1.37	1.22	1.40	1.38	1.69
		10/15/2021 - 10/28/2021	2.02	2.33 (2.33)	1.97	2.50	1.39	1.27	1.30	1.05	1.32	1.04	0.80	1.22
		10/28/2021 - 11/12/2021	5.77	2.40	1.80 (1.54)	1.95	1.20	1.10	1.12	1.09	1.22	1.08	1.08	1.21
		11/12/2021 - 11/25/2021	2.31	2.49	1.63	1.73 (1.68)	0.93	0.66	0.66	0.73	0.65	0.56	0.80	1.26
		11/25/2021 - 12/9/2021	1.67	1.70	1.43	1.96	0.94 (0.96)	0.69	0.65	0.61	0.62	0.69	0.90	1.07
	12/9/2021 - 12/23/2021	2.46	2.27	1.49	1.62	1.37	1.12 (1.17)	0.98	0.93	0.99	0.99	1.13	1.41	
	12/23/2021 - 1/6/2022	1.68	1.6	1.2	1.37	1.5	1.15	1.11 (1.16)	1.07	1.16	0.97	1.09	1.24	