



Table 1: 2023 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>	12/22/2022 - 1/5/2023	2.26	2.21	1.37	1.14	1.40	0.89	1.00	1.10	1.08 (1.02)	1.14	1.01	1.42
	1/5/2023 - 1/19/2023	1.56	1.55	1.02	1.22	1.09	1.03	0.99	0.94	0.83	0.81 (0.81)	0.86	1.33
	1/19/2023 - 2/2/2023	2.29	1.86	1.28	1.64	1.49	1.11	0.98	0.96	0.77	0.85	0.78 (0.81)	1.08
	2/2/2023 - 2/16/2023	3.78	1.81	1.46	1.90	1.15	0.87	1.12	1.01	1.04	NA	NA	NA
	2/16/2023 - 3/2/2023	2.74 (2.47)	1.60	1.26	1.92	1.68	1.38	1.27	1.16	1.50	1.08	1.09	1.13
	3/2/2023 - 3/16/2023	1.23	1.27 (1.15)	1.07	1.40	1.52	1.74	1.30	1.62	1.65	1.17	0.81	0.91
	3/16/2023 - 3/30/2023	1.84	1.82	1.29 (1.35)	1.27	1.65	1.26	1.17	1.00	1.05	NA	0.64	0.92
	3/30/2023 - 4/13/2023	2.77	2.57	1.54	1.31 (1.50)	1.07	1.01	1.01	0.90	0.84	0.66	0.78	0.99
	4/13/2023 - 4/27/2023	2.13	2.08	1.44	1.66 (1.30)	1.27	1.04	1.15	0.87	1.10	0.80	0.60	1.00
	4/27/2023 - 5/11/2023	1.42	1.47	1.08	1.16	1.29	1.14 (1.05)	1.29	1.27	1.28	0.85	0.83	0.88
	5/11/2023 - 5/25/2023	1.46	1.76	1.22	1.45	2.45	2.40	1.32 (1.36)	1.25	1.49	0.86	0.60	1.01
	5/25/2023 - 6/8/2023	1.13	0.95	0.90	1.27	2.57	2.80	1.83	1.66 (1.53)	1.47	0.95	0.65	0.89
	6/8/2023 - 6/22/2023	1.86	1.81	1.56	1.68	1.97	1.83	1.57	1.72	1.69 (1.61)	1.26	1.22	1.65
	6/22/2023 - 7/6/2023	2.91	2.04	1.73	2.02	1.84	1.70	1.60	1.37	1.53	1.50 (1.53)	1.26	1.86
	7/6/2023 - 7/20/2023	2.71	2.28	1.67	1.91	1.52	1.52	1.15	1.27	1.18	1.10	0.98 (1.04)	1.55
	7/20/2023 - 8/3/2023	2.71	2.89	1.75	1.71	1.40	1.19	1.33	1.08	0.99	0.95	0.83	1.40 (1.57)
	8/3/2023 - 8/17/2023	1.32 (1.30)	1.56	1.18	1.55	1.32	0.95	0.97	0.98	1.10	0.80	0.73	0.89
	8/17/2023 - 8/31/2023	2.5	2.00 (2.31)	1.5	2.07	1.45	1.35	1.53	1.56	1.74	1.82	2.14	1.11
	8/31/2023 - 9/14/2023	2.66	2.35	1.40 (1.46)	1.84	1.2	0.93	0.99	0.98	0.99	0.80	0.86	1.25
	9/14/2023 - 9/28/2023	2.29	1.78	1.3	1.56 (1.56)	0.91	1.07	1.06	1.12	1.03	1.12	1.54	1.37
9/28/2023 - 10/12/2023	2.83	3.43	2.14	1.95	1.24 (1.09)	1.04	0.99	0.90	0.84	0.78	0.97	1.54	
10/12/2023 - 10/26/2023	2.21	2.55	1.12	1.91	1.11	1.12 (1.04)	1.00	1.12	1.11	0.86	0.87	1.14	
10/26/2023 - 11/9/2023	2.78	3.01	1.76	1.96	1.64	1.10	1.32 (1.26)	1.20	1.18	0.99	1.14	1.24	
11/9/2023 - 11/23/2023	2.42	2.26	1.56	2.33	1.34	1.01	0.99	0.95 (0.99)	0.81	0.85	1.08	1.80	
11/23/2023 - 12/7/2023	2.60	1.98	2.99	1.85	1.17	0.90	0.86	0.79	0.58 (0.67)	0.74	0.70	0.99	
12/7/2023 - 12/21/2023	3.52	2.8	1.96	2.03	1.93	1.33	1.10	0.91	0.91	0.92 (0.93)	1.11	1.64	
12/21/2023 - 1/4/2024	2.09	1.62	1.49	1.99	1.92	1.47	1.34	1.36	1.14	0.97	1.00 (1.05)	1.23	
Comments: Station 10, 11 and 12 Sample tubes were not cleaned prior to shipment. Results not available for Feb 16, 2023													