Table 1: 2025 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 Concentraion from 2-week monitoring period (ug/m3) *Note: Duplicate values will be expressed in (brackets)*	12/19/2024 - 1/2/2025	1.15 *(1.15)*	1.22	0.94	1.76	0.79	0.88	0.84 *(0.88)*	0.65	0.81	0.62	0.75	1.01
	1/2/2025 - 1/16/2025	1.95	1.82 *(1.58)*	1.51	2.88	1.00	0.91	0.68	0.60 *(0.57)*	0.65	0.54	0.53	0.85
	1/16/2025 - 1/30/2025	4.25	2.56	2.22 *(2.40)*	2.96	1.31	0.92	0.81	0.82	0.80 *(0.75)*	0.78	0.76	1.05
	1/30/2025 - 2/13/2025	1.5	1.41	1.32	2.02 *(1.94)*	1.14	1.32	1.00	1.31	1.18	1.03 *(1.00)*	1.17	1.11
	2/13/2025 - 2/27/2025	2.66	1.76	1.65	2.55	1.52 *(1.52)*	0.98	1.01	1.10	1.01	0.93	0.87 *(0.87)*	1.17
	2/27/2025 - 3/13/2025	2.15	1.93	1.42	1.77	1.11	0.82 *(0.87)*	0.94	0.87	1.04	0.76	0.73	1.05 *(1.15)*
	3/13/2025 - 3/27/2025	3.09 *(2.74)*	2.49	1.20	2.05	0.98	0.74	0.85 *(0.86)*	0.81	0.91	0.72	0.76	1.38
	3/27/2025 - 4/10/2025[1]	8.49	21.2 *(20.4)*	42.9	103	0.88	1.06	1.14	1.19 *(1.16)*	1.22	0.83	2.63	3.63
	4/10/2025 - 4/24/2025	2.07	1.99	1.33 *(1.56)*	2.04	0.86	1.00	1.02	1.18	1.28 *(1.23)*	0.90	0.86	1.07

Note 1: On April 2, 2025, there was a release of benzene from above ground piping on the east side fo the refinery. Once identified, the release was immediately isolated. The incident was reported to MECP, Aamjiwnaang First Nation and a BASES community alert was issued. The incident location was closest to Station 4 which elevated the sample results for the two-week period.