**Table 1: 2020 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)<br><br>*Note: Duplicate values will be expressed in (brackets)* | 12/27/2019 - 1/9/2020 | 2.47 | 1.95 | 1.66 *(1.39)* | 1.72 | 1.15 | 0.69 | 0.85 | 0.66 | 0.77 | 0.55 | 1.10 | 1.02 |
| | 1/9/2020 - 1/23/2020 | 1.83 | 1.61 | 1.05 | 1.80 *(1.92)* | 1.09 | 0.87 | 0.93 | 0.79 | 0.81 | 0.71 | 1.32 | 1.00 |
| | 1/23/2020 - 2/6/2020 | 1.90 | 2.21 | 1.92 | 2.13 | 1.68 *(1.59)* | 1.50 | 1.45 | 1.50 | 1.41 | 1.16 | 0.97 | 1.24 |
| | 2/6/2020 - 2/20/2020 | 1.88 | 1.76 | 1.47 | 2.20 | 1.38 | 1.06 *(1.24)* | 1.11 | 1.03 | 1.01 | 0.67 | 0.79 | 0.94 |
| | 2/20/2020 - 3/5/2020 | 2.53 | 3.44 | 2.46 | 2.45 | 1.91 | 1.46 | 1.17 *(1.23)* | 1.12 | 1.4 | 0.71 | 0.77 | 1.17 |
| | 3/5/2020 - 3/19/2020 | 2.34 | 1.89 | 1.43 | 1.53 | 1.25 | 1.08 | 1.13 | 1.29 *(1.21)* | 1.39 | 0.92 | 0.83 | 1.25 |
| | 3/19/2020 - 4/3/2020 | 1.54 | 1.63 | 1.31 | 1.41 | 1.9 | 1.6 | 1.4 | 1.35 | 1.70 *(1.71)* | 1.27 | 0.91 | 1.04 |
| | 4/3/2020 - 4/16/2020 | 1.65 | 1.87 | 1.47 | 1.81 | 1.62 | 1.11 | 0.92 | 1.06 | 1.06 | 0.82 *(0.81)* | 1.02 | 1.44 |
| | 4/16/2020 - 4/30/2020 | 1.51 | 1.43 | 0.97 | 1.07 | 1.39 | 1.07 | 0.68 | 0.82 | 1.05 | 0.54 | 0.90 *(0.90)* | 1.00 |
| | 4/30/2020 - 5/14/2020 | 1.31 | 1.43 | 1.24 | 1.68 | 1.98 | 1.47 | 1.37 | 1.53 | 2.36 | 1.00 | 1.96 | 1.16 *(1.14)* |
| | 5/14/2020 - 5/28/2020 | 2.21 *(2.15)* | 1.77 | 1.08 | 1.14 | 1.26 | 1.24 | 1.14 | 0.99 | 1.35 | 1.19 | 1.64 | 1.46 |
| | 5/28/2020 - 6/11/2020 | 2.02 | 2.16 *(2.36)* | 1.27 | 1.39 | 1.61 | 1.25 | 1.14 | 1.09 | 1.24 | 0.73 | 0.5 | 1.10 |
| | 6/11/2020 - 6/25/2020 | 1.85 | 2.38 | 1.72 *(1.69)* | 1.58 | 1.59 | 1.65 | 1.42 | 1.17 | 1.46 | 0.87 | 0.64 | 1.12 |
| | 6/25/2020 - 7/9/2020 | 1.78 | 2.24 | 1.78 | 1.97 *(2.00)* | 2.24 | 2.42 | 1.62 | 1.32 | 1.42 | 1.14 | 0.67 | 1.11 |
| | 7/9/2020 - 7/23/2020 | 4.30 | 2.37 | 1.60 | 2.19 | 1.56 *(1.64)* | 1.49 | 1.46 | 1.49 | 1.43 | 1.03 | 0.91 | 1.37 |
| | 7/23/2020 - 8/6/2020 | 1.89 | 1.84 | 1.28 | 1.72 | 0.30 | 1.95 *(1.73)* | 1.13 | 1.39 | 1.29 | 0.89 | 0.80 | 0.70 |
| | 8/6/2020 - 8/20/2020 | 2.34 | 2.11 | 1.44 | 1.50 | 1.53 | NA | 1.19 | 1.16 | 1.23 | 0.95 | 1.89 | 1.13 |
| | The sample tube for station 6 and the station 7 duplicate was not sent in to be analyzed due to a technician error | | | | | | | | | | | | |
| | 8/20/2020 - 9/3/2020 | 2.80 | 3.07 | 1.7 | 1.92 | 1.13 | 0.9 | 1.03 | 1.17 *(1.10)* | 1.14 | 0.86 | 1.04 | 1.70 |
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