



Clean Air Sarnia and Area - TSP and Metals Results

Station: Front Street
Data Updated: 09/015/2023

Matrix: Glass fiber
Method: Gravimetric/XRF

Sampler: Hi-Vol

| Parameter | TSP | | V | | Cr | | Mn | | Fe | | Ni | | Cu | | Zn | | Cd | | Pb | |
|-----------|-----------------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|
| | Suspended Particulate | | Vanadium | | Chromium | | Manganese | | Iron | | Nickel | | Copper | | Zinc | | Cadmium | | Lead | |
| | Concentration | Data Flag | Concentration | Data Flag | Concentration | Data Flag | Concentration | Data Flag | Concentration | Data Flag | Concentration | Data Flag | Concentration | Data Flag | Concentration | Data Flag | Concentration | Data Flag | Concentration | Data Flag |
| 06-Jan-23 | 8.46 | | <0.030 | | <0.0020 | | <0.0030 | | 0.12 | | <0.0010 | | 0.026 | | <0.50 | | <0.0050 | | <0.0080 | |
| 12-Jan-23 | 8.4 | | <0.030 | | <0.0020 | | <0.0030 | | 0.087 | | <0.0010 | | 0.0027 | | <0.50 | | <0.0050 | | <0.0080 | |
| 18-Jan-23 | | NS | | NS | | NS | | NS | | NS | | NS | | NS | | NS | | NS | | NS |
| 24-Jan-23 | 26.5 | | <0.030 | | <0.0020 | | <0.0030 | | 0.17 | | <0.0010 | | 0.019 | | <0.50 | | <0.0050 | | <0.0080 | |
| 30-Jan-23 | 12.5 | | <0.030 | | <0.0020 | | <0.0030 | | 0.081 | | 0.0015 | | 0.046 | | <0.50 | | <0.0050 | | 0.0082 | |
| 05-Feb-23 | 30.9 | | <0.030 | | <0.0020 | | <0.0030 | | 0.17 | | 0.0012 | | 0.013 | | <0.50 | | <0.0050 | | <0.0080 | |
| 11-Feb-23 | 24 | | <0.030 | | <0.0020 | | <0.0030 | | 0.19 | | 0.0024 | | 0.0073 | | <0.50 | | <0.0050 | | <0.0080 | |
| 17-Feb-23 | <0 | NDIF | | NDIF | | NDIF | | NDIF | | NDIF | | NDIF | | NDIF | | NDIF | | NDIF | | NDIF |
| 23-Feb-23 | 10.2 | | <0.030 | | <0.0020 | | <0.0030 | | 0.097 | | 0.0017 | | 0.021 | | <0.50 | | <0.0050 | | <0.0080 | |
| 01-Mar-23 | <0 | NDIF | | | | | | | | | | | | | | | | | | |
| 07-Mar-23 | 11.8 | | <0.030 | | <0.0020 | | <0.0030 | | 0.13 | | <0.0010 | | 0.019 | | <0.50 | | <0.0050 | | <0.0080 | |
| 13-Mar-23 | 8.58 | | <0.030 | | <0.0020 | | <0.0030 | | 0.057 | | <0.0010 | | 0.025 | | <0.50 | | <0.0050 | | <0.0080 | |
| 19-Mar-23 | <0 | NDIF | | | | | | | | | | | | | | | | | | |
| 25-Mar-23 | 18.8 | | <0.030 | | <0.0020 | | <0.0030 | | 0.08 | | <0.0010 | | 0.022 | | <0.50 | | <0.0050 | | <0.0080 | |
| 31-Mar-23 | 30.7 | | <0.030 | | <0.0020 | | <0.0030 | | 0.23 | | 0.0014 | | 0.041 | | <0.50 | | <0.0050 | | <0.0080 | |
| 06-Apr-23 | 14.8 | | <0.030 | | <0.0020 | | 0.0056 | | 0.17 | | <0.0010 | | 0.0034 | | <0.50 | | <0.0050 | | <0.0080 | |
| 12-Apr-23 | 75.7 | | <0.030 | | <0.0020 | | 0.028 | | 0.91 | | 0.0012 | | 0.027 | | <0.50 | | <0.0050 | | <0.0080 | |
| 18-Apr-23 | 7.54 | | <0.030 | | <0.0020 | | <0.0030 | | 0.084 | | <0.0010 | | 0.03 | | <0.50 | | <0.0050 | | <0.0080 | |
| 24-Apr-23 | 10.6 | | <0.030 | | <0.0020 | | 0.009 | | 0.15 | | <0.0010 | | 0.043 | | <0.50 | | <0.0050 | | <0.0080 | |
| 30-Apr-23 | 7.11 | | <0.030 | | <0.0020 | | 0.0042 | | 0.1 | | 0.0012 | | 0.16 | | <0.50 | | <0.0050 | | <0.0080 | |
| 06-May-23 | 27.7 | | <0.030 | | <0.0020 | | 0.0046 | | 0.31 | | <0.0010 | | 0.12 | | <0.50 | | <0.0050 | | <0.0080 | |
| 12-May-23 | 102 | | <0.030 | | <0.0020 | | 0.023 | | 1.1 | | 0.0033 | | 0.22 | | <0.50 | | <0.0050 | | <0.0080 | |
| 18-May-23 | 78 | | <0.030 | | <0.0020 | | 0.021 | | 1.2 | | 0.0021 | | 0.065 | | <0.50 | | <0.0050 | | <0.0080 | |
| 24-May-23 | 50.7 | | <0.030 | | <0.0020 | | 0.0076 | | 0.43 | | 0.0015 | | 0.03 | | <0.50 | | <0.0050 | | <0.0080 | |
| 30-May-23 | 81.4 | | <0.030 | | <0.0020 | | 0.018 | | 0.79 | | 0.0021 | | 0.086 | | <0.50 | | <0.0050 | | 0.011 | |

| | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|--|--------|--|---------|--|---------|--|-------|--|---------|--|--------|--|-------|--|---------|--|---------|--|
| No. of valid samples | 21 | | 21 | | 21 | | 21 | | 21 | | 21 | | 21 | | 21 | | 21 | | 21 | |
| Maximum | 102 | | <0.030 | | 0 | | 0.028 | | 1.2 | | 0.0033 | | 0.22 | | <0.50 | | <0.0050 | | <0.0080 | |
| Minimum | 7.11 | | <0.030 | | <0.0020 | | <0.0030 | | 0.057 | | <0.0010 | | 0.0027 | | <0.50 | | <0.0050 | | <0.0080 | |
| 24-hour AAQC | 120 | | 2 | | 0.5 | | 0.4 | | 4 | | 0.2 | | 50 | | 120 | | 0.025 | | 0.5 | |
| No. > AAQC | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |

| | |
|------------------|---|
| <M | No measurable response (zero): <reported value |
| NVA | Not yet available |
| <T | A measurable trace amount; interpret with caution |
| NDIF | No data: invalid filter |
| NDMT | No data: sample missing in transit |
| NS | No sample |
| UTF | Unreliable: torn filter |
| UQC | Unreliable: Possible QC problem |
| TF | Torn filter |
| PPL | Possible particulate loss |
| PFC | Possible filter contamination |
| <[concentration] | Below specified detection limit |