



Clean Air Sarnia and Area - TSP and Metals Results

Station: Front Street  
Data Updated: 12-May-23

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	
	µg/m <sup>3</sup>		µg/m <sup>3</sup>		µg/m <sup>3</sup>		µg/m <sup>3</sup>		µg/m <sup>3</sup>		µg/m <sup>3</sup>		µg/m <sup>3</sup>		µg/m <sup>3</sup>		µg/m <sup>3</sup>		µg/m <sup>3</sup>	
Units	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
05-Jan-22	23.8		<0.030		<0.0020		0.009		0.28		0.0028		<0.0020		<0.50		<0.0050		<0.0080	
11-Jan-22	44		<0.030		<0.0020		0.0051		0.25		0.0024		<0.0020		<0.50		<0.0050		<0.0080	
17-Jan-22	14.8		<0.030		<0.0020		<0.0030		0.12		<0.0010		0.007		<0.50		<0.0050		<0.0080	
23-Jan-22	13.4		<0.030		<0.0020		<0.0030		0.1		<0.0010		0.082		<0.50		<0.0050		<0.0080	
29-Jan-22	44.8		<0.030		<0.0020		<0.0030		0.15		0.0016		0.096		<0.50		<0.0050		<0.0080	
04-Feb-22	14.6		<0.030		<0.0020		<0.0030		0.083		<0.0010		0.07		<0.50		<0.0050		<0.0080	
10-Feb-22	16.6		<0.030		<0.0020		<0.0030		0.13		0.0015		0.015		<0.50		<0.0050		<0.0080	
16-Feb-22	76.5		0.04		<0.0020		0.01		0.51		0.01		0.017		<0.50		<0.0050		<0.0080	
23-Feb-22	21.9		<0.030		<0.0020		<0.0030		0.19		<0.0010		0.12		<0.50		<0.0050		<0.0080	
28-Feb-22	17.4		<0.030		<0.0020		<0.0030		0.14		<0.0010		0.02		<0.50		<0.0050		<0.0080	
06-Mar-22	30.6		0.035		<0.0020		0.004		0.18		0.0047		0.048		<0.50		<0.0050		<0.0080	
12-Mar-22	15.1		<0.030		<0.0020		<0.0030		0.2		0.0021		0.012		<0.50		<0.0050		<0.0080	
18-Mar-22	13.1		<0.030		<0.0020		<0.0030		0.15		0.0014		0.077		<0.50		<0.0050		<0.0080	
24-Mar-22	<0	NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF
30-Mar-22	31.6		<0.030		<0.0020		0.006		0.33		0.0014		0.11		<0.50		<0.0050		<0.0080	
05-Apr-22	21		<0.030		<0.0020		<0.0030		0.2		0.0015		0.24		<0.50		<0.0050		<0.0080	
11-Apr-22	48.6		0.03		<0.0020		0.0039		0.38		0.0012		0.24		<0.50		<0.0050		<0.0080	
17-Apr-22	14.7		<0.030		<0.0020		<0.0030		0.15		0.0015		0.084		<0.50		<0.0050		<0.0080	
23-Apr-22	20.7		<0.030		<0.0020		0.0067		0.31		0.0015		0.011		<0.50		<0.0050		<0.0080	
29-Apr-22	42.6		<0.030		<0.0020		0.011		0.58		<0.0010		0.24		<0.50		<0.0050		<0.0080	
05-May-22	17.8		<0.030		<0.0020		0.0034		0.24		0.0014		0.22		<0.50		<0.0050		<0.0080	
11-May-22	135		0.031		<0.0020		0.036		1.9		0.0028		0.45		<0.50		<0.0050		0.0088	
17-May-22	<0	NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF
23-May-22		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
29-May-22	40.9		<0.030		0.0023		0.0094		0.36		0.004		0.13		<0.50		<0.0050		<0.0080	
04-Jun-22	49		<0.030		<0.0020		0.011		0.47		<0.0010		0.2		<0.50		<0.0050		<0.0080	
10-Jun-22		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF
16-Jun-22	63.1		<0.030		<0.0020				UQC 1.6		0.0023		0.03		<0.50		<0.0050		<0.0080	
22-Jun-22	42.9		<0.030		<0.0020				UQC 0.47		<0.0010		0.064		<0.50		<0.0050		<0.0080	
28-Jun-22		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF
04-Jul-22		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF
10-Jul-22		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF
16-Jul-22	37.6		<0.030		<0.0020		0.0094	UQC	0.35		<0.0010		0.18		<0.50		<0.0050		<0.0080	
22-Jul-22	41.6		<0.030		<0.0020		0.012	UQC	0.45		0.0011		0.088		<0.50		<0.0050		<0.0080	
28-Jul-22	32.1		<0.030		<0.0020		0.013	UQC	0.33		0.0011		0.034		<0.50		<0.0050		<0.0080	
03-Aug-22	9.9		<0.030		<0.0020		0.013	UQC	0.59		0.0048		0.056		<0.50		<0.0050		<0.0080	
09-Aug-22	11.8		<0.030		<0.0020		0.0038	UQC	0.13		<0.0010		0.13		<0.50		<0.0050		<0.0080	
15-Aug-22	39.4		<0.030		<0.0020		0.014	UQC	0.45		<0.0010		0.14		<0.50		<0.0050		<0.0080	
21-Aug-22	12.8		<0.030		<0.0020		<0.0030	UQC	0.13		<0.0010		0.26		<0.50		<0.0050		<0.0080	
27-Aug-22	16.7		<0.030		<0.0020		0.0096	UQC	0.34		<0.0010		0.44		<0.50		<0.0050		<0.0080	
02-Sep-22	58.5		<0.030		<0.0020		0.014	UQC	0.51		<0.0010		0.1		<0.50		<0.0050		<0.0080	
08-Sep-22	25.2		<0.030		<0.0020		0.0088	UQC	0.36		<0.0010		0.15		<0.50		<0.0050		<0.0080	
14-Sep-22	30		<0.030		<0.0020		0.011	UQC	0.34		<0.0010		0.18		<0.50		<0.0050		<0.0080	
20-Sep-22	35.2		<0.030		<0.0020		0.012	UQC	0.47		<0.0010		0.09		<0.50		<0.0050		<0.0080	
26-Sep-22	<1.0		<0.030		<0.0020		<0.0030	UQC	0.53		<0.0010		0.031		<0.50		<0.0050		<0.0080	
02-Oct-22	24.4		<0.030		<0.0020		0.0058		0.25		<0.0010		0.18		<0.50		<0.0050		<0.0080	
08-Oct-22	<0	NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF
14-Oct-22	78.4		<0.030		<0.0020		0.038		0.81		0.0027		0.015		<0.50		<0.0050		<0.0080	
20-Oct-22	5.95		<0.030		<0.0020		<0.0030		0.057		<0.0010		<0.0020		<0.50		<0.0050		0.011	
26-Oct-22	18.1		<0.030		<0.0020		0.0083		0.2		<0.0010		0.014		<0.50		<0.0050		<0.0080	
01-Nov-22	43.4		<0.030		<0.0020		0.005		0.2		<0.0010		0.046		<0.50		<0.0050		<0.0080	
07-Nov-22	16		<0.030		<0.0020		0.0072		0.28		<0.0010		0.0027		<0.50		<0.0050		<0.0080	
13-Nov-22	7.97		<0.030		<0.0020		<0.0030		0.046		<0.0010		0.007		<0.50		<0.0050		<0.0080	
19-Nov-22	9.81		<0.030		<0.0020		<0.0030		0.086		<0.0010		<0.0020		<0.50		<0.0050		<0.0080	
25-Nov-22	28.4		<0.030		<0.0020		0.0044		0.2		<0.0010		0.0088		<0.50		<0.0050		<0.0080	
01-Dec-22	23.7		<0.030		<0.0020		0.0044		0.2		<0.0010		0.015		<0.50		<0.0050		<0.0080	
07-Dec-22	19.6		<0.030		<0.0020		0.003		0.19		0.0018		0.026		<0.50		<0.0050		<0.0080	
13-Dec-22	23.2		<0.030		<0.0020		0.0054		0.27		<0.0010		0.084		<0.50		<0.0050		<0.0080	
19-Dec-22	10.4		<0.030		<0.0020		<0.0030		0.075		0.0012		0.013		<0.50		<0.0050		<0.0080	
25-Dec-22	7.91		<0.030		<0.0020		<0.0030		0.089		<0.0010		<0.0020		<0.50		<0.0050		<0.0080	
31-Dec-22	23.2		<0.030		<0.0020		<0.0030		0.086		0.002		0.041		<0.50		<0.0050		<0.0080	
No. of valid samples	53		53		53		53		53		53		53		53		53		53	
Maximum	135		<0.030		0.0023		0.038		1.9		0.01		0.45		<0.50		<0.0050		<0.0080	
Minimum	5.95		<0.030		<0.0020		<0.0030		0.046		<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	1		0		0		0		0		0		0		0		0		0	

<M No measurable response (zero); <reported value  
 NYA 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