



Clean Air Sarnia and Area - TSP and Metals Results

Station: Aamjiwnaag First Nation  
Data Updated: 19-Mar-19

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
2-Jan-18	29		0.0069		0.002	<MDL	0.003		0.19		0.001	<MDL	0.011		0.029		0.005	<MDL	0.005	<MDL
8-Jan-18	18		0.0045		0.002	<MDL	0.003	<MDL	0.11		0.001	<MDL	0.0059		0.013		0.005	<MDL	0.005	<MDL
14-Jan-18	29		0.0025		0.002	<MDL	0.003	<MDL	0.14		0.001	<MDL	0.01		0.011		0.005	<MDL	0.005	<MDL
20-Jan-18	22		0.002	<MDL	0.0031		0.009		0.36		0.001	<MDL	0.012		0.031		0.005	<MDL	0.005	<MDL
26-Jan-18	18		0.0037		0.002	<MDL	0.005		0.19		0.001	<MDL	0.0075		0.023		0.005	<MDL	0.005	<MDL
1-Feb-18	9		0.002	<MDL	0.002	<MDL	0.003	<MDL	0.089		0.001	<MDL	0.0073		0.0084		0.005	<MDL	0.005	<MDL
7-Feb-18	13		0.002	<MDL	0.002	<MDL	0.003	<MDL	0.11		0.001	<MDL	0.019		0.018		0.005	<MDL	0.005	<MDL
13-Feb-18	27		0.0023		0.002	<MDL	0.004		0.36		0.001	<MDL	0.01		0.022		0.005	<MDL	0.005	<MDL
19-Feb-18		NDIF																		
25-Feb-18	13		0.02		0.002	<MDL	0.003		0.14		0.0011		0.0044		0.36		0.005	<MDL	0.005	<MDL
3-Mar-18	12		0.024		0.002	<MDL	0.003	<MDL	0.048		0.0011		0.014		0.34		0.005	<MDL	0.005	<MDL
9-Mar-18	11		0.019		0.002	<MDL	0.003	<MDL	0.071		0.001	<MDL	0.016		0.34		0.005	<MDL	0.005	<MDL
15-Mar-18	24		0.02		0.002	<MDL	0.005		0.19		0.001	<MDL	0.019		0.35		0.005	<MDL	0.005	<MDL
21-Mar-18	28		0.026		0.002	<MDL	0.003	<MDL	0.16		0.001	<MDL	0.0089		0.36		0.005	<MDL	0.005	<MDL
27-Mar-18	6		0.022		0.002	<MDL	0.003		0.14		0.001	<MDL	0.014		0.34		0.005	<MDL	0.005	<MDL
2-Apr-18	15		0.018		0.002	<MDL	0.006		0.23		0.001	<MDL	0.024		0.35		0.005	<MDL	0.005	<MDL
8-Apr-18	10		0.02		0.002	<MDL	0.004		0.12		0.001	<MDL	0.026		0.33		0.005	<MDL	0.005	<MDL
14-Apr-18	2	<T	0.017		0.002	<MDL	0.003	<MDL	0.041		0.001	<MDL	0.025		0.31		0.005	<MDL	0.005	<MDL
20-Apr-18	17		0.019		0.002	<MDL	0.006		0.18		0.001	<MDL	0.03		0.33		0.005	<MDL	0.005	<MDL
26-Apr-18	20		0.018		0.002	<MDL	0.006		0.26		0.0012		0.037		0.33		0.005	<MDL	0.005	<MDL
2-May-18	107		0.026		0.002	<MDL	0.031		1.2		0.0013		0.02		0.38		0.005	<MDL	0.005	<MDL
8-May-18	60		0.024		0.002	<MDL	0.021		0.92		0.001	<MDL	0.053		0.36		0.005	<MDL	0.005	<MDL
14-May-18	42		0.025		0.002	<MDL	0.009		0.42		0.001	<MDL	0.039		0.36		0.005	<MDL	0.005	<MDL
20-May-18		NDIF																		
26-May-18		NDIF																		
1-Jun-18	43		0.027		0.002	<MDL	0.005		0.19		0.0051		0.074		0.35		0.005	<MDL	0.005	<MDL
7-Jun-18	77		0.022		0.002	<MDL	0.01		0.56		0.0014		0.069		0.37		0.005	<MDL	0.005	<MDL
13-Jun-18	46		0.022		0.002	<MDL	0.007		0.42		0.0016		0.038		0.36		0.005	<MDL	0.005	<MDL
19-Jun-18	39		0.029		0.002	<MDL	0.004		0.17		0.0033		0.039		0.38		0.005	<MDL	0.005	<MDL
25-Jun-18	21		0.025		0.002	<MDL	0.003	<MDL	0.14		0.002		0.056		0.38		0.005	<MDL	0.005	<MDL
1-Jul-18	39		0.023		0.002	<MDL	0.006		0.31		0.001	<MDL	0.039		0.34		0.005	<MDL	0.0074	<MDL
7-Jul-18	11		0.021		0.002	<MDL	0.003	<MDL	0.17		0.001	<MDL	0.067		0.36		0.005	<MDL	0.005	<MDL
13-Jul-18	57		0.024		0.002	<MDL	0.022		0.79		0.001		0.052		0.38		0.005	<MDL	0.005	<MDL
19-Jul-18	42		0.027		0.002	<MDL	0.01		0.53		0.001	<MDL	0.069		0.39		0.005	<MDL	0.005	<MDL
25-Jul-18	35		0.002	<MDL	0.002	<MDL	0.006		0.36		0.0016		0.086		0.041		0.005	<MDL	0.005	<MDL
6-Aug-18		NDIF																		
12-Aug-18	25		0.0043		0.002	<MDL	0.006		0.14		0.0019		0.087		0.022		0.005	<MDL	0.0095	<MDL
18-Aug-18	21		0.003		0.002	<MDL	0.005		0.15		0.001	<MDL	0.07		0.018		0.005	<MDL	0.005	<MDL
24-Aug-18	45		0.0065		0.002	<MDL	0.013		0.47		0.0013		0.037		0.028		0.005	<MDL	0.005	<MDL
30-Aug-18	13		0.0024		0.002	<MDL	0.007		0.12		0.001	<MDL	0.061		0.03		0.005	<MDL	0.005	<MDL
5-Sep-18	42		0.0039		0.0033		0.012		0.48		0.001	<MDL	0.056		0.03		0.005	<MDL	0.005	<MDL
11-Sep-18	17		0.0049		0.0031		0.005		0.19		0.001	<MDL	0.076		0.017		0.005	<MDL	0.005	<MDL
17-Sep-18	39		0.003		0.002	<MDL	0.011		0.47		0.001	<MDL	0.11		0.012		0.005	<MDL	0.005	<MDL
23-Sep-18	15		0.0036		0.003		0.003		0.14		0.001	<MDL	0.073		0.0039		0.005	<MDL	0.005	<MDL
29-Sep-18	12		0.002		0.002	<MDL	0.005		0.12		0.001	<MDL	0.03		0.011		0.005	<MDL	0.005	<MDL
5-Oct-18	11		0.002	<MDL	0.002	<MDL	0.005		0.2		0.001	<MDL	0.055		0.017		0.005	<MDL	0.005	<MDL
11-Oct-18	8		0.002	<MDL	0.0022		0.003	<MDL	0.094		0.001	<MDL	0.032		0.0077		0.005	<MDL	0.005	<MDL
17-Oct-18	17		0.002	<MDL	0.002	<MDL	0.006		0.13		0.001	<MDL	0.025		0.0089		0.005	<MDL	0.0053	<MDL
23-Oct-18	1	<=W	0.002	<MDL	0.002	<MDL	0.012		0.26		0.001	<MDL	0.031		0.023		0.005	<MDL	0.005	<MDL
29-Oct-18	5		0.002	<MDL	0.002	<MDL	0.003		0.095		0.001	<MDL	0.074		0.0057		0.005	<MDL	0.005	<MDL
4-Nov-18	8		0.0028		0.0033		0.004		0.093		0.001	<MDL	0.05		0.017		0.005	<MDL	0.005	<MDL
10-Nov-18	9	TF	0.0032		0.002	<MDL	0.004		0.066		0.001	<MDL	0.019		0.0092		0.005	<MDL	0.005	<MDL
16-Nov-18	10	TF	0.0055		0.002	<MDL	0.004		0.13		0.001	<MDL	0.018		0.019		0.005	<MDL	0.005	<MDL
22-Nov-18	19		0.0024		0.002	<MDL	0.005		0.16		0.001	<MDL	0.032		0.0093		0.005	<MDL	0.005	<MDL
28-Nov-18		NDIF																		
4-Dec-18	8		0.002	<MDL	0.002	<MDL	0.006		0.23		0.001	<MDL	0.031		0.014		0.005	<MDL	0.005	<MDL
10-Dec-18	34		0.002	<MDL	0.002	<MDL	0.005		0.27		0.001	<MDL	0.012		0.012		0.005	<MDL	0.005	<MDL
16-Dec-18	16		0.002	<MDL	0.002	<MDL	0.005		0.23		0.001	<MDL	0.036		0.0085		0.005	<MDL	0.005	<MDL
22-Dec-18	1	<=W	0.002	<MDL	0.002	<MDL	0.003	<MDL	0.064		0.001	<MDL	0.013		0.0046		0.005	<MDL	0.005	<MDL
28-Dec-18	1	<=W	0.002	<MDL	0.002	<MDL	0.003	<MDL	0.097		0.001	<MDL	0.0063		0.008		0.005	<MDL	0.005	<MDL
No. of valid samples	55		55		55		55		55		55		55		55		55		55	
Maximum	107		0.029		0.0033		0.031		1.2		0.0051		0.11		0.39		0.006		0.0095	
Minimum	1		0.002		0.002		0.003		0.041		0.001		0.0044		0.0039		0.005		0.005	
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	

<=W No measurable response (zero): <reported value  
<T A measurable trace amount: interpret with caution  
NDIF No data: invalid filter  
NDMT No data: sample missing in transit  
UTF Unreliable: torn filter  
PPL Possible particulate loss  
<MDL Below detection limit