



Clean Air Sarnia and Area - TSP and Metals Results

Station: Aamjiwnaang First Nation
Data Updated: 03-Oct-17

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 ³		µg/m ³		µg/m ³		µg/m ³		µg/m ³		µg/m ³		µg/m ³		µg/m ³		µg/m ³		µg/m ³	
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
18-Jan-15	5		0.019		0.001	<=W	0.002	<=W	0.05		0.001	<=W	0.01		0.28		0.001	<=W	0.002	<=W
24-Jan-15		NDMT	0.025		0.001	<=W	0.006	<T	0.11		0.004	<T	0.016		0.27		0.002	<T	0.002	<=W
30-Jan-15		NDMT	0.018		0.001	<=W	0.002	<=W	0.23		0.001	<=W	0.054		0.28		0.001	<=W	0.006	<T
05-Feb-15	18		0.016		0.001	<=W	0.002	<=W	0.11		0.003	<T	0.018		0.27		0.001	<=W	0.004	<T
11-Feb-15	19		0.024		0.001	<=W	0.002	<=W	0.14		0.002	<T	0.014		0.28		0.001	<=W	0.002	<=W
17-Feb-15	29		0.021		0.001	<=W	0.002	<=W	0.25		0.002	<T	0.03		0.28		0.001	<=W	0.002	<=W
23-Feb-15	16		0.021		0.001	<=W	0.002	<=W	0.16		0.003	<T	0.02		0.33		0.001	<=W	0.002	<=W
01-Mar-15	141		0.021		0.001	<=W	0.006	<T	0.16		0.001	<=W	0.042		0.34		0.001	<=W	0.004	<T
07-Mar-15	34		0.024		0.001	<=W	0.008	<T	0.32		0.001	<=W	0.046		0.35		0.001	<=W	0.002	<=W
13-Mar-15	19		0.023		0.001	<=W	0.006	<T	0.27		0.001	<=W	0.014		0.34		0.001	<=W	0.004	<T
19-Mar-15	14	UTF	0.001	<=W	0.001	<=W	0.006	<T	0.18		0.001	<=W	0.09		0.01	<T	0.001	<=W	0.002	<=W
25-Mar-15	17		0.003	<T	0.001	<=W	0.006	<T	0.18		0.001	<=W	0.012		0.015	<T	0.001	<=W	0.004	<T
31-Mar-15	8		0.002	<T	0.001	<=W	0.002	<=W	0.11		0.001	<=W	0.052		0.01	<T	0.001	<=W	0.002	<=W
06-Apr-15	30		0.001	<=W	0.001	<=W	0.008	<T	0.38		0.001	<=W	0.032		0.02	<T	0.001	<=W	0.002	<=W
12-Apr-15		NDIF				NDIF				NDIF		NDIF			NDIF			NDIF		NDIF
18-Apr-15	44		0.003	NDIF	0.002	<T	0.008	<T	0.4		0.001	<=W	0.024		0.02	<T	0.001	<=W	0.002	<=W
24-Apr-15	16		0.004	<T	0.001	<=W	0.002	<=W	0.18		0.001	<=W	0.022		0.015	<T	0.002	<T	0.002	<=W
30-Apr-15	40		0.011		0.002	<T	0.004	<T	0.2		0.006		0.026		0.015	<T	0.002	<T	0.002	<=W
06-May-15	42		0.003	<T	0.003	<T	0.006	<T	0.42		0.001	<=W	0.048		0.025	<T	0.001	<=W	0.006	<T
12-May-15	44		0.009		0.001	<=W	0.006	<T	0.17		0.004	<T	0.012		0.015	<T	0.001	<=W	0.002	<=W
18-May-15	65		0.005		0.003	<T	0.014		0.64		0.001	<=W	0.012		0.02	<T	0.001	<=W	0.006	<T
20-May-15	21	UTF	0.001	<=W	0.001	<=W	0.006	<T	0.22		0.001	<=W	0.014		0.01	<T	0.001	<=W	0.004	<T
24-May-15	66		0.005		0.002	<T	0.014		0.68		0.001	<=W	0.05		0.025	<T	0.001	<=W	0.01	<T
17-Jun-15	31		0.001	<=W	0.001	<=W	0.01		0.28		0.001	<=W	0.054		0.02	<T	0.001	<=W	0.002	<=W
23-Jun-15	21		0.001	<=W	0.001	<=W	0.006	<T	0.23		0.001	<=W	0.022		0.01	<T	0.001	<=W	0.002	<=W
29-Jun-15	20		0.001	<=W	0.001	<=W	0.006	<T	0.2		0.001	<=W	0.052		0.015	<T	0.001	<=W	0.002	<=W
05-Jul-15	44		0.006		0.001	<=W	0.008	<T	0.32		0.002	<T	0.058		0.03	<T	0.001	<=W	0.006	<T
11-Jul-15	42		0.003	<T	0.001	<=W	0.008	<T	0.3		0.001	<=W	0.036		0.025	<T	0.001	<=W	0.004	<T
17-Jul-15	31		0.001	<=W	0.003	<T	0.008	<T	0.27		0.001	<=W	0.016		0.015	<T	0.001	<=W	0.006	<T
23-Jul-15	29		0.005	<T	0.001	<=W	0.008	<T	0.39		0.003	<T	0.042		0.02	<T	0.001	<=W	0.002	<=W
29-Jul-15	43		0.002	<T	0.001	<=W	0.012	<T	0.4		0.001	<=W	0.032		0.02	<T	0.001	<=W	0.008	<T
04-Aug-15	18		0.003	<T	0.002	<T	0.006	<T	0.16		0.001	<=W	0.03		0.01	<T	0.001	<=W	0.002	<=W
10-Aug-15	25		0.003	<T	0.002	<T	0.004	<T	0.25		0.001	<=W	0.046		0.025	<T	0.001	<=W	0.002	<=W
16-Aug-15	34		0.002	<T	0.001	<=W	0.01		0.25		0.001	<=W	0.024		0.02	<T	0.001	<=W	0.002	<=W
22-Aug-15	28		0.003	<T	0.002	<T	0.008	<T	0.23		0.001	<=W	0.052		0.02	<T	0.001	<=W	0.004	<T
28-Aug-15	30		0.024		0.001	<=W	0.008	<T	0.4		0.001	<=W	0.048		0.31		0.001	<=W	0.002	<=W
03-Sep-15	40		0.029		0.001	<=W	0.004	<T	0.24		0.001	<=W	0.036		0.31		0.002	<T	0.004	<T
09-Sep-15	19		0.026		0.001	<=W	0.002	<=W	0.15		0.002	<T	0.05		0.3		0.001	<=W	0.004	<T
15-Sep-15	41		0.027		0.001	<=W	0.012		0.49		0.001	<=W	0.06		0.31		0.001	<=W	0.006	<T
21-Sep-15	27		0.022		0.001	<=W	0.006	<T	0.38		0.001	<=W	0.05		0.32		0.001	<=W	0.004	<T
27-Sep-15	27		0.022		0.001	<=W	0.006	<T	0.35		0.001	<=W	0.034		0.31		0.001	<=W	0.008	<T
03-Oct-15	23		0.021		0.001	<=W	0.01		0.25		0.001	<=W	0.038		0.3		0.001	<=W	0.004	<T
09-Oct-15	16		0.019		0.001	<=W	0.004	<T	0.12		0.001	<=W	0.012		0.31		0.001	<=W	0.002	<=W
15-Oct-15	31		0.03		0.001	<=W	0.014		0.4		0.001	<=W	0.016		0.31		0.001	<=W	0.002	<=W
21-Oct-15	52		0.002	<T	0.002	<T	0.018		0.6		0.001	<=W	0.022		0.02	<T	0.001	<=W	0.006	<T
27-Oct-15	19		0.001	<=W	0.001	<=W	0.006	<T	0.23		0.001	<=W	0.042		0.015	<T	0.001	<=W	0.004	<T
02-Nov-15	22		0.001	<=W	0.001	<=W	0.006	<T	0.26		0.001	<=W	0.034		0.02	<T	0.001	<=W	0.006	<T
08-Nov-15	9		0.001	<=W	0.002	<T	0.002	<=W	0.1		0.001	<=W	0.022		0.01	<T	0.001	<=W	0.006	<T
14-Nov-15		NDIF				NDIF				NDIF		NDIF			NDIF			NDIF		NDIF
20-Nov-15	20		0.003	<T	0.002	<T	0.012		0.43		0.002	<T	0.01		0.015	<T	0.001	<=W	0.006	<T
26-Nov-15	22		0.001	<=W	0.001	<=W	0.006	<T	0.16		0.001	<=W	0.004		0.01	<T	0.001	<=W	0.004	<T
02-Dec-15	24		0.003	<T	0.001	<=W	0.008	<T	0.39		0.001	<=W	0.068		0.02	<T	0.001	<=W	0.002	<=W
08-Dec-15	33		0.001	<=W	0.001	<=W	0.004	<T	0.09		0.001	<=W	0.02		0.015	<T	0.001	<=W	0.002	<=W
14-Dec-15		NDIF				NDIF				NDIF		NDIF			NDIF			NDIF		NDIF
20-Dec-15	23		0.002	<T	0.002	<T	0.006	<T	0.17		0.001	<=W	0.05		0.015	<T	0.001	<=W	0.002	<=W
26-Dec-15	10		0.001	<=W	0.001	<=W	0.004	<T	0.07		0.001	<=W	0.19		0.005	<=W	0.001	<=W	0.002	<=W

No. of valid samples	51		53		53		53		53		53		53		53		53		53	
Maximum	141		0.03		0.003		0.018		0.68		0.006		0.19		0.35		0.002		0.01	
Minimum	5		0.001		0.001		0.002		0.05		0.001		0.004		0.005		0.001		0.002	
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	

<=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