



Clean Air Sarnia and Area - TSP and Metals Results

Station: Aamjiwnaang First Nation
Data Updated: 23-Mar-16

Matrix: Teflon
Method: XRF

Sampler: Lo-Vol

Parameter	TSP		Si		Ca		V		Cr		Mn		Fe		Ni		Cu		Zn		Cd		Pb	
	Suspended Particulate		Silicon		Calcium		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		µg/m ³		µg/m ³	
	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	Concentration	Data Flag	Concentration	Data Flag
05-Jan-14	19.1		0.12		0.18		0.001	<MDL	0.001	<MDL	0.003		0.08		0.001		0.002		0.008		0.001	<MDL	0.003	<MDL
11-Jan-14	7.8		0.02		0.02		0.003		0.001	<MDL	0.003	<MDL	0.03		0.004		0.002		0.002		0.001	<MDL	0.003	<MDL
17-Jan-14	8.2		0.2		0.38		0.001	<MDL	0.001	<MDL	0.003		0.12		0.001	<MDL	0.004		0.01		0.001		0.003	<MDL
23-Jan-14	27.6		0.22		0.22		0.001		0.001	<MDL	0.006		0.1		0.001	<MDL	0.002		0.008		0.002		0.003	<MDL
29-Jan-14	17.8		0.26		0.48		0.003		0.001	<MDL	0.006		0.13		0.001		0.002		0.01		0.004		0.003	<MDL
04-Feb-14	7.8		0.32		0.94		0.003		0.001		0.006		0.29		0.003		0.018		0.024		0.001	<MDL	0.003	<MDL
10-Feb-14	8.2		0.06		0.08		0.001	<MDL	0.001	<MDL	0.003		0.04		0.001	<MDL	0.002		0.01		0.001	<MDL	0.003	<MDL
16-Feb-14	27.6		0.12		0.22		0.001		0.001		0.003		0.085		0.002		0.004		0.008		0.001	<MDL	0.003	<MDL
22-Feb-14	17.8		0.2		0.4		0.007		0.001	<MDL	0.003	<MDL	0.09		0.004		0.002		0.004		0.001	<MDL	0.003	<MDL
28-Feb-14	19.1		0.26		1.1		0.001		0.001		0.003		0.15		0.001	<MDL	0.004		0.008		0.001	<MDL	0.003	<MDL
06-Mar-14	7.8		0.24		1.1		0.001	<MDL	0.001	<MDL	0.003		0.17		0.001		0.004		0.008		0.001	<MDL	0.003	<MDL
12-Mar-14	8.2		0.08		0.12		0.002		0.001	<MDL	0.003	<MDL	0.035		0.001		0.002		0.004		0.001	<MDL	0.003	<MDL
18-Mar-14	27.6		0.26		0.7		0.001	<MDL	0.001	<MDL	0.003		0.16		0.002		0.004		0.012		0.003		0.006	
24-Mar-14	17.8		0.06		0.22		0.001	<MDL	0.001	<MDL	0.003	<MDL	0.03		0.001		0.002	<MDL	0.002		0.001	<MDL	0.003	<MDL
30-Mar-14	19.1		0.24		0.42		0.004		0.001	<MDL	0.003	<MDL	0.09		0.003		0.002		0.002		0.001	<MDL	0.003	<MDL
05-Apr-14	7.2		0.22		0.36		0.001		0.001	<MDL	0.003		0.075		0.001	<MDL	0.002	<MDL	0.002	<MDL	0.001		0.003	
11-Apr-14	13.8		0.9		1.9		0.003		0.001		0.012		0.41		0.001		0.008		0.018		0.001	<MDL	0.003	<MDL
17-Apr-14	51.7		0.36		0.6		0.001		0.001		0.006		0.2		0.001		0.004		0.016		0.001	<MDL	0.003	<MDL
23-Apr-14	67.3		0.32		0.5		0.001		0.001	<MDL	0.003		0.1		0.001		0.002		0.006		0.003		0.003	
29-Apr-14	28.6		0.26		0.3		0.001	<MDL	0.001	<MDL	0.003		0.12		0.001	<MDL	0.002	<MDL	0.004		0.001	<MDL	0.003	<MDL
11-May-14	27.7		1.3		1.1		0.001	<MDL	0.001	<MDL	0.009		0.37		0.002		0.004		0.018		0.001	<MDL	0.003	<MDL
17-May-14	3.6		0.16		0.28		0.001		0.001	<MDL	0.003	<MDL	0.075		0.002		0.002		0.004		0.001	<MDL	0.003	<MDL
23-May-14	17.3		0.42		0.78		0.002		0.001		0.003		0.16		0.001		0.002	<MDL	0.01		0.001	<MDL	0.003	<MDL
29-May-14	22		0.9		1.3		0.001		0.001	<MDL	0.006		0.29		0.002		0.002		0.008		0.001	<MDL	0.003	<MDL
04-Jun-14	24.4		0.88		1.3		0.002		0.001		0.006		0.34		0.002		0.004		0.01		0.001	<MDL	0.003	
02-Oct-14	20.7		0.28		0.58		0.001		0.002		0.006		0.19		0.001		0.004		0.012		0.001	<MDL	0.003	
08-Oct-14	10.1		0.36		0.4		0.003		0.001	<MDL	0.006		0.12		0.001	<MDL	0.002	<MDL	0.002		0.002		0.003	<MDL
14-Oct-14	n/a	NDIF	0.1	NDIF	0.18	NDIF	0.002	NDIF	0.001	NDIF	0.003	NDIF	0.08	NDIF	0.001	NDIF	0.002	NDIF	0.006	NDIF	0.001	NDIF	0.003	NDIF
20-Oct-14	5.3		0.3		0.74		0.002		0.002		0.009		0.22		0.001	<MDL	0.004		0.016		0.001		0.003	
26-Oct-14	13.8		0.42		0.56		0.001		0.001		0.006		0.16		0.001		0.002		0.004		0.001		0.003	
01-Nov-14	2.8		0.04		0.08		0.001	<MDL	0.001		0.003	<MDL	0.015		0.001		0.002	<MDL	0.002	<MDL	0.002		0.003	
07-Nov-14	7.5		0.22		0.46		0.001	<MDL	0.001		0.003		0.095		0.001		0.002		0.006		0.002		0.003	<MDL
13-Nov-14	6.8		0.18		0.3		0.002		0.001	<MDL	0.003	<MDL	0.095		0.001		0.004		0.006		0.003		0.003	
19-Nov-14	15.7		0.32		0.54		0.001	<MDL	0.001		0.006		0.16		0.001		0.002		0.01		0.003		0.006	
25-Nov-14	7.6		0.16		0.36		0.006		0.001	<MDL	0.003		0.09		0.002		0.002		0.004		0.01		0.003	
01-Dec-14	4.3		0.1		0.18		0.001	<MDL	0.001	<MDL	0.003		0.045		0.001	<MDL	0.002	<MDL	0.004		0.004		0.003	<MDL
07-Dec-14	5.2		0.1		0.22		0.001	<MDL	0.001	<MDL	0.003		0.055		0.001		0.002		0.004		0.001		0.003	<MDL
13-Dec-14	17.4		0.1		0.14		0.009		0.001	<MDL	0.003		0.07		0.005		0.002		0.004		0.002		0.003	<MDL
19-Dec-14	7.9		0.2		0.52		0.001	<MDL	0.001	<MDL	0.003		0.085		0.001		0.004		0.008		0.002		0.003	<MDL
25-Dec-14	3		0.04		0.08		0.005		0.001	<MDL	0.003	<MDL	0.03		0.003		0.002	<MDL	0.002	<MDL	0.001		0.003	<MDL
31-Dec-14	10.5		0.36		0.88		0.009		0.001	<MDL	0.006		0.14		0.005		0.002		0.004		0.004		0.003	<MDL
No. of valid samples	40		40		40		40		40		40		40		40		40		40		40		40	
Maximum	67.3		1.3		1.9		0.009		0.002		0.012		0.41		0.005		0.018		0.024		0.01		0.006	
Minimum	2.8		0.02		0.02		0.001		0.001		0.003		0.015		0.001		0.002		0.002		0.001		0.003	
24-hour AAQC	120		n/a		n/a		2		1.5		2.5		4		2		50		120		0.025		0.5	
No. > AAQC	0		0		0		0		0		0		0		0		0		0		0		0	

<MDL Below detection limit
NDIF No data: invalid filter