



Clean Air Sarnia and Area - TSP and Metals Results

Station: Front Street (Ferry Dock Road)
 Data Updated: 03-Oct-17

Matrix: Glass fiber
 Method: Gravimetric/XRF

Sampler: Hi-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	
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	Concentration	Data Flag	Concentration	Data Flag
06-Jan-15	10.8		0.16		0.24		0.001	<MDL	0.001	<MDL	0.003		0.085		0.001		0.002		0.006		0.001		0.003	
12-Jan-15	12.4		0.26		0.22		0.001	<MDL	0.001	<MDL	0.003	<MDL	0.1		0.001	<MDL	0.002		0.012		0.003		0.003	
18-Jan-15	8.8		0.04		0.12		0.005		0.001		0.003	<MDL	0.055		0.003		0.002		0.01		0.001	<MDL	0.003	
24-Jan-15	16.6		0.08		0.24		0.001	<MDL	0.001	<MDL	0.003		0.11		0.001	<MDL	0.002		0.01		0.002		0.003	<MDL
30-Jan-15	6.4		0.3		0.16		0.001	<MDL	0.001	<MDL	0.003	<MDL	0.095		0.001	<MDL	0.002		0.002		0.001	<MDL	0.003	<MDL
05-Feb-15	9.6		0.12		0.14		0.005		0.001	<MDL	0.003		0.085		0.003		0.002		0.012		0.005		0.006	
11-Feb-15	10.1		0.06		0.1		0.001		0.001		0.003		0.065		0.002		0.002		0.01		0.002		0.003	
17-Feb-15	22		0.22		0.42		0.005		0.001	<MDL	0.006		0.19		0.003		0.002		0.022		0.002		0.003	
23-Feb-15		NDIF																						
01-Mar-15	18.3		0.12		0.22		0.001		0.001	<MDL	0.003		0.11		0.001		0.002		0.012		0.001		0.003	
07-Mar-15	33.3		0.36		0.8		0.002		0.001	<MDL	0.009		0.22		0.002		0.004		0.018		0.003		0.006	
13-Mar-15	19.9		0.36		1		0.001	<MDL	0.001	<MDL	0.006		0.21		0.001	<MDL	0.002		0.012		0.002		0.003	<MDL
19-Mar-15	18.3		0.42		1.7		0.001	<MDL	0.001	<MDL	0.006		0.31		0.001		0.004		0.014		0.003		0.006	
25-Mar-15	12.5		0.2		0.4		0.001	<MDL	0.001	<MDL	0.006		0.1		0.001		<MDL	0.006	0.002		0.002		0.003	
31-Mar-15	6.4		0.12		0.42		0.001	<MDL	0.001	<MDL	0.003		0.06		0.001		<MDL	0.002	0.001		<MDL	0.003	<MDL	
06-Apr-15	19.7		0.36		0.94		0.001		0.001		0.006		0.22		0.001	<MDL	0.004		0.012		0.001	<MDL	0.003	<MDL
12-Apr-15	16.3		0.42		0.78		0.003		0.001		0.003		0.2		0.002		0.004		0.02		0.001	<MDL	0.003	
18-Apr-15	27.7		0.7		2.3		0.003		0.001	<MDL	0.006		0.23		0.001		0.004		0.008		0.001	<MDL	0.009	<MDL
24-Apr-15	10.3		0.24		0.94		0.001	<MDL	0.001	<MDL	0.003		0.095		0.001	<MDL	0.002		0.006		0.001	<MDL	0.003	<MDL
30-Apr-15	10.1		0.34		0.58		0.001		0.001		0.003		0.12		0.001		0.002		0.004		0.001	<MDL	0.003	<MDL
06-May-15	12.1		0.28		0.52		0.001	<MDL	0.001		0.006		0.14		0.003		0.004		0.006		0.001	<MDL	0.006	
12-May-15	15		0.22		0.32		0.001		0.001		0.003		0.08		0.001		0.002		0.006		0.001	<MDL	0.003	<MDL
18-May-15	29.9		1.2		0.7		0.012		0.001		0.009		0.4		0.004		0.002		0.01		0.001	<MDL	0.003	
24-May-15	40		1.6		1.9		0.003		0.003		0.012		0.49		0.002		0.004		0.018		0.001	<MDL	0.012	
30-May-15	12.5		0.22		0.44		0.005		0.001	<MDL	0.003		0.09		0.002		0.002		0.006		0.001	<MDL	0.003	<MDL
05-Jun-15	22		0.38		1.3		0.001		0.001	<MDL	0.006		0.19		0.001		0.004		0.012		0.001	<MDL	0.003	
11-Jun-15	23		0.46		1.2		0.002		0.001	<MDL	0.006		0.24		0.001	<MDL	0.004		0.026		0.001	<MDL	0.006	
17-Jun-15	13.1		0.3		0.82		0.001		0.001		0.006		0.14		0.001	<MDL	0.004		0.006		0.001	<MDL	0.003	
23-Jun-15	14.1		0.24		0.34		0.001		0.001	<MDL	0.003		0.18		0.001	<MDL	0.002		0.014		0.001	<MDL	0.006	
29-Jun-15	2.5		0.16		0.48		0.001		0.001	<MDL	0.003		0.08		0.001	<MDL	0.004		0.004		0.001	<MDL	0.003	
05-Jul-15	43.7		0.84		2.9		0.017		0.004	<MDL	0.012		0.35		0.004		0.064		0.028		0.001	<MDL	0.009	
11-Jul-15	31.3		0.58		1.8		0.007		0.001		0.009		0.29		0.002		0.004		0.018		0.001	<MDL	0.003	
17-Jul-15	21.9		0.44		0.66		0.005		0.001		0.009		0.21		0.003		0.002		0.014		0.001	<MDL	0.006	
23-Jul-15	17.5		0.54		1.5		0.001		0.001		0.006		0.23		0.001		0.004		0.012		0.001	<MDL	0.003	
29-Jul-15	34.7		0.86		2.8		0.006		0.001		0.009		0.4		0.001		0.004		0.022		0.001	<MDL	0.003	
04-Aug-15	14.1		0.36		0.74		0.001		0.001	<MDL	0.006		0.27		0.002		0.004		0.022		0.004		0.003	<MDL
10-Aug-15	47.6		0.32		1		0.001		0.001	<MDL	0.003		0.19		0.001		0.004		0.014		0.001	<MDL	0.009	
16-Aug-15	19		0.36		0.64		0.003		0.001	<MDL	0.003		0.16		0.001		0.004		0.014		0.001	<MDL	0.006	
22-Aug-15	17.7		0.42		1.2		0.001		0.001		0.006		0.24		0.001		0.004		0.014		0.007		0.006	
28-Aug-15	20.8		0.42		1.1		0.001	<MDL	0.001		0.006		0.29		0.003		0.004		0.02		0.001	<MDL	0.006	
03-Sep-15	23		0.42		0.88		0.002		0.001		0.003		0.21		0.001		0.008		0.032		0.001	<MDL	0.006	
09-Sep-15	10.1		0.18		0.32		0.001		0.001	<MDL	0.003		0.12		0.001		0.002		0.004		0.001	<MDL	0.003	
15-Sep-15	22.6		0.62		1.3		0.004		0.001	<MDL	0.009		0.28		0.002		0.002		0.014		0.001	<MDL	0.009	
21-Sep-15	11.6		0.26		0.62		0.001		0.001		0.006		0.13		0.001	<MDL	0.002		0.008		0.001	<MDL	0.009	
27-Sep-15	20		0.66		1		0.001	<MDL	0.001	<MDL	0.006		0.26		0.001	<MDL	0.002		0.01		0.001	<MDL	0.003	
03-Oct-15	13.3		0.14		0.76		0.001	<MDL	0.001		0.003		0.12		0.001		0.002		0.002		0.004		0.003	<MDL
09-Oct-15		NDIF																						
15-Oct-15		NDIF																						
21-Oct-15		NDIF																						
27-Oct-15		NDIF																						
08-Nov-15	13.7		0.2		0.46		0.002		0.001	<MDL	0.003		0.11		0.001	<MDL	0.002		0.012		0.003		0.006	
14-Nov-15	7.8		0.18		0.36		0.002		0.001	<MDL	0.003	<MDL	0.09		0.001	<MDL	0.002		0.006		0.001	<MDL	0.003	<MDL
20-Nov-15	11.3		0.36		0.46		0.001		0.001	<MDL	0.006		0.12		0.001	<MDL	0.002		0.008		0.001	<MDL	0.003	
26-Nov-15	14.8		0.24		0.62		0.012		0.001	<MDL	0.003		0.15		0.004		0.002		0.012		0.002		0.003	<MDL
02-Dec-15	12.8		0.22		0.74		0.002		0.001	<MDL	0.003		0.17		0.001	<MDL	0.006		0.016		0.001	<MDL	0.003	
08-Dec-15	25.2		0.2		0.56		0.007		0.001	<MDL	0.003		0.13		0.002		0.004		0.012		0.001	<MDL	0.006	
14-Dec-15	7.8		0.12		0.18		0.002		0.001	<MDL	0.003	<MDL	0.1		0.002		0.002		0.006		0.002		0.003	<MDL
20-Dec-15	12		0.24		0.6		0.003		0.001	<MDL	0.003		0.12		0.001		0.004		0.008		0.001	<MDL	0.003	
26-Dec-15	6.6		0.12		0.36		0.001	<MDL	0.001	<MDL	0.003		0.055		0.001	<MDL	0.004		0.006		0.003		0.003	<MDL
No. of valid samples	54		54		54		54		54		54		54		54		54		54		54		54	
Maximum	47.6		1.6		2.9		0.017		0.004		0.012		0.49		0.004		0.064		0.032		0.007		0.012	
Minimum	2.5		0.04		0.1		0.001		0.001		0.003		0.055		0.001		0.002		0.002		0.001		0.003	
24-hour AAQC	120		n/a		n/a		2																	