



Clean Air Sarnia and Area - TSP and Metals Results

Station: Front Street (Ferry Dock Road)
Data Updated: 05-Jul-18

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	
	Units		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
01-Jan-17	5		0.023		0.001	<=W	0.004	<T	0.08		0.001	<=W	0.014		0.39		0.001	<=W	0.002	<=W
07-Jan-17	29		0.021		0.001	<=W	0.008	<T	0.21		0.001	<=W	0.02		0.59		0.001	<=W	0.008	<T
13-Jan-17	9		0.021		0.001	<=W	0.004	<T	0.11		0.001	<=W	0.01		0.44		0.001	<=W	0.002	<=W
19-Jan-17	16		0.022		0.002	<T	0.002	<=W	0.14		0.001	<=W	0.01		0.42		0.002	<T	0.002	<=W
25-Jan-17	6		0.021		0.001	<=W	0.004	<T	0.15		0.001	<=W	0.008	<T	0.43		0.001	<=W	0.002	<=W
31-Jan-17	5		0.018		0.001	<=W	0.004	<T	0.06		0.001	<=W	0.014		0.35		0.001	<=W	0.004	<T
06-Feb-17	33		0.02		0.001	<=W	0.006	<T	0.28		0.003	<T	0.018		0.35		0.001	<=W	0.006	<T
12-Feb-17		NDIF																		
18-Feb-17	20		0.022		0.003	<T	0.01		0.26		0.001	<=W	0.01		0.37		0.001	<=W	0.004	<T
24-Feb-17	20	PPL	0.023		0.001	<=W	0.006	<T	0.2		0.001	<=W	0.014		0.35		0.001	<=W	0.002	<=W
02-Mar-17	9		0.016		0.001	<=W	0.002	<=W	0.04	<T	0.001	<=W	0.002	<=W	0.38		0.002	<T	0.002	<=W
08-Mar-17	18		0.021		0.001	<=W	0.012		0.31		0.001	<=W	0.002	<=W	0.36		0.001	<=W	0.002	<=W
14-Mar-17	7		0.016		0.001	<=W	0.004	<T	0.12		0.001	<=W	0.006	<T	0.36		0.001	<=W	0.002	<=W
20-Mar-17		NDIF																		
26-Mar-17		NDIF																		
01-Apr-17	1	<=W	0.018		0.002	<T	0.002	<=W	0.01	<=W	0.001	<=W	0.002	<=W	0.37		0.002	<T	0.002	<=W
07-Apr-17		NDIF	0.002	<T	0.002	<T	0.004	<T	0.03	<T	0.001	<=W	0.004	<T	0.01	<T	0.001	<=W	0.002	<=W
13-Apr-17	19		0.002	<T	0.002	<T	0.012		0.27		0.001	<=W	0.084		0.015	<T	0.001	<=W	0.002	<=W
19-Apr-17	29	UTF	0.007		0.001	<=W	0.008	<T	0.24		0.003	<T	0.016		0.025		0.001	<=W	0.002	<=W
25-Apr-17	25		0.001	<=W	0.003	<T	0.006	<T	0.23		0.001	<=W	0.026		0.02	<T	0.001	<=W	0.002	<=W
01-May-17	26	PPL	0.005		0.002	<T	0.006	<T	0.16		0.001	<=W	0.018		0.01	<T	0.001	<=W	0.002	<=W
07-May-17	8		0.002	<T	0.001	<=W	0.002	<=W	0.09		0.001	<=W	0.02		0.12		0.001	<=W	0.002	<=W
13-May-17	34		0.002	<T	0.001	<=W	0.008	<T	0.31		0.001	<=W	0.036		0.11		0.001	<=W	0.004	<T
19-May-17	32		0.003	<T	0.001	<=W	0.01		0.31		0.001	<=W	0.086	<T	0.015	<T	0.001	<=W	0.002	<=W
25-May-17	6		0.001	<=W	0.001	<=W	0.002	<=W	0.08		0.001	<=W	0.046		0.005	<=W	0.001	<=W	0.004	<T
31-May-17	31		0.025		0.001	<=W	0.01		0.3		0.001	<=W	0.012		0.43		0.001	<=W	0.002	<=W
06-Jun-17	17		0.024		0.001	<=W	0.002	<=W	0.09		0.001	<=W	0.002	<=W	0.41		0.003	<T	0.002	<=W
12-Jun-17		NDIF																		
18-Jun-17	36	PFC	0.027		0.001	<=W	0.002	<=W	0.15		0.001	<=W	0.008	<T	0.41		0.002	<T	0.002	<=W
24-Jun-17	16		0.024		0.001	<=W	0.006	<T	0.16		0.001	<=W	0.008	<T	0.46		0.001	<=W	0.002	<=W
30-Jun-17	14		0.026		0.001	<=W	0.006	<T	0.14		0.002	<T	0.008	<T	0.43		0.001	<=W	0.002	<=W
06-Jul-17	49	PPL	0.023		0.002	<MDL	0.015		0.48		0.0025		0.039		0.41		0.005	<MDL	0.005	<MDL
12-Jul-17	21		0.0044		0.002	<MDL	0.008		0.24		0.0014		0.036		0.037		0.005	<MDL	0.005	<MDL
18-Jul-17	33		0.0037		0.002	<MDL	0.01		0.33		0.0017		0.03		0.023		0.005	<MDL	0.005	<MDL
24-Jul-17	10	PFC	0.002		0.002	<MDL	0.003	<MDL	0.083		0.001	<MDL	0.0053		0.0075		0.005	<MDL	0.005	<MDL
30-Jul-17	18	UTF	0.006		0.002	<MDL	0.005		0.18		0.002		0.022		0.012		0.005	<MDL	0.005	<MDL
05-Aug-17	14	PFC	0.002	<MDL	0.0034		0.003	<MDL	0.11		0.001	<MDL	0.017		0.011		0.005	<MDL	0.005	<MDL
11-Aug-17	36		0.0081		0.002	<MDL	0.004		0.26		0.0025		0.016		0.028		0.005	<MDL	0.005	<MDL
17-Aug-17	13	PFC	0.0047		0.002	<MDL	0.003	<MDL	0.17		0.001	<MDL	0.014		0.017		0.005	<MDL	0.005	<MDL
23-Aug-17	16		0.002		0.002	<MDL	0.003	<MDL	0.14		0.001	<MDL	0.029		0.016		0.005	<MDL	0.005	<MDL
29-Aug-17	14	PFC	0.0025		0.0026		0.003	<MDL	0.14		0.001		0.034		0.018		0.005	<MDL	0.005	<MDL
04-Sep-17	37		0.012		0.002	<MDL	0.013		0.33		0.0031		0.0074		0.022		0.005	<MDL	0.005	<MDL
10-Sep-17	10		0.0027		0.002	<MDL	0.003		0.19		0.001	<MDL	0.051		0.001	<MDL	0.005	<MDL	0.005	<MDL
16-Sep-17	35		0.0071		0.002	<MDL	0.009		0.3		0.001		0.033		0.001	<MDL	0.005	<MDL	0.005	<MDL
22-Sep-17	36		0.0021		0.002	<MDL	0.011		0.42		0.001	<MDL	0.056		0.001	<MDL	0.005	<MDL	0.005	<MDL
28-Sep-17	21	PPL	0.003		0.002	<MDL	0.008		0.31		0.001	<MDL	0.016		0.001	<MDL	0.005	<MDL	0.005	<MDL
04-Oct-17	25		0.0026		0.0032		0.008		0.3		0.001	<MDL	0.012		0.001	<MDL	0.005	<MDL	0.005	<MDL
10-Oct-17	14		0.002	<MDL	0.002	<MDL	0.006		0.14		0.001	<MDL	0.019		0.001	<MDL	0.005	<MDL	0.005	<MDL
16-Oct-17	11		0.002	<MDL	0.002	<MDL	0.005		0.17		0.001	<MDL	0.016		0.001	<MDL	0.005	<MDL	0.005	<MDL
22-Oct-17	57		0.004		0.002	<MDL	0.013		0.41		0.001	<MDL	0.0079		0.001	<MDL	0.005	<MDL	0.005	<MDL
28-Oct-17	13	PPL	0.017		0.002	<MDL	0.006		0.12		0.0011		0.0059		0.36		0.005	<MDL	0.005	<MDL
03-Nov-17	5		0.016		0.002	<MDL	0.003	<MDL	0.099		0.001	<MDL	0.0098		0.31		0.005	<MDL	0.005	<MDL
09-Nov-17	15		0.017		0.002	<MDL	0.008		0.23		0.001	<MDL	0.0066		0.34		0.005	<MDL	0.005	<MDL
15-Nov-17	23	PPL	0.022		0.002	<MDL	0.006		0.18		0.0023		0.0041		0.32		0.005	<MDL	0.0085	
21-Nov-17	20		0.025		0.002	<MDL	0.011		0.26		0.0021		0.0029		0.36		0.005	<MDL	0.005	<MDL
27-Nov-17	21		0.021		0.002	<MDL	0.01		0.29		0.001	<MDL	0.017		0.35		0.005	<MDL	0.005	<MDL
03-Dec-17	39		0.021		0.002	<MDL	0.014		0.4		0.001	<MDL	0.042		0.47		0.005	<MDL	0.01	
09-Dec-17	26		0.024		0.002	<MDL	0.006		0.17		0.0016		0.0063		0.36		0.005	<MDL	0.005	<MDL
15-Dec-17		NDIF																		
21-Dec-17		NDIF																		
27-Dec-17																				

No. of valid samples	53	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Maximum	57	0.027	0.0034	0.015	0.48	0.0031	0.084	0.59	0.005	0.01						
Minimum	1	0.001	0.001	0.002	0.01	0.001	0.002	0.001	0.001	0.002	0.001	0.001	0.002	0.001	0.001	0.002
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
PFC Possible filter contamination
UTF Unreliable: torn filter
PPL Possible particulate loss
<MDL Below detection limit