Clean Air Sarnia and Area - TSP and Metals Results

Station: Aamjiwnaang First Nation
Data Updated: 01-Sep-23

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/m³		µg/m³		µg/m³		µg/m³		µg/m³		µg/m³		µg/m³		µg/m³		µg/m³		µg/m³	
	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-23	30.2		0.03		<0.0020		0.0045		0.39		<0.0010		0.053		<0.50		<0.0050		<0.0080	
12-Jan-23	31.8		0.04		<0.0020		0.0035		0.19		0.005		0.075		<0.50		<0.0050		<0.0080	
24-Jan-23	32.7		<0.030		<0.0020		0.0056		0.32		0.0012		0.085		<0.50		<0.0050		<0.0080	
18-Jan-23		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
30-Jan-23	16.4		<0.030		<0.0020		<0.0030		0.11		0.001		0.17		<0.50		<0.0050		<0.0080	
05-Feb-23	35.3		<0.030		<0.0020		0.0082		0.28		0.0031		0.045		<0.50		<0.0050		<0.0080	
11-Feb-23	20		<0.030		<0.0020		0.0046		0.26		<0.0010		0.08		<0.50		<0.0050		<0.0080	
17-Feb-23	23.3		<0.030		<0.0020		<0.0030		0.14		0.0016		0.1		<0.50		<0.0050		<0.0080	
23-Feb-23		NDIF																		
01-Mar-23		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
07-Mar-23	45.1																<0.0050			
13-Mar-23	26.7		<0.030		<0.0020		<0.0030		0.1		<0.0010		0.15		<0.50		<0.0050		<0.0080	
19-Mar-23		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF
25-Mar-23		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF		NDIF
31-Mar-23	18.1		<0.030		<0.0020		<0.0030		0.24		<0.0010		0.038		<0.50		<0.0050		<0.0080	
06-Apr-23	26.4		<0.030		<0.0020		0.0057		0.28		<0.0010		0.017		<0.50		<0.0050		<0.0080	
12-Apr-23	126		<0.030		<0.0020		0.038		1.4		0.0012		0.039		<0.50		<0.0050		<0.0080	
18-Apr-23	13.2		<0.030		<0.0020		0.0044		0.15		0.0011		0.015		<0.50		<0.0050		<0.0080	
24-Apr-23	28		<0.030		<0.0020		0.0057		0.29		<0.0010		0.028		<0.50		<0.0050		<0.0080	
30-Apr-23	8.34		<0.030		<0.0020		0.0031		0.12		<0.0010		0.043		<0.50		<0.0050		<0.0080	
06-May-23	22.5		<0.030		<0.0020		0.0055		0.28		<0.0010		0.062		<0.50		<0.0050		<0.0080	
12-May-23	97.4		<0.030		<0.0020		0.021		1.2		0.0017		0.065		<0.50		<0.0050		0.028	
18-May-23	63.9		<0.030		<0.0020		0.02		1.3		0.0011		0.064		<0.50		<0.0050		<0.0080	
24-May-23	52.1		0.043		<0.0020		0.0071		0.48		0.01		0.027		<0.50		<0.0050		<0.0080	
30-May-23	59.1		<0.030		<0.0020		0.014		0.7		0.0016		0.067		<0.50		<0.0050		<0.0080	
No. of valid samples	20		19		19		19		19		19		19		19		20		19	
Maximum	126		<0.030		0		0.038		1.4		0.01		0.17		<0.50		<0.0050		<0.0080	
Minimum	8.34		<0.030		<0.0020		<0.0030		0.1		<0.0010		0.015		<0.50		<0.0050		<0.0080	
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
NYA	Not yet available
<T	A measurable trace amount: interpret with caution
NDIF	No data: invalid filter
NDMT	No data: sample missing in transit
NS	No sample
UTF	Unreliable: torn filter
UQC	Unreliable: Possible QC problem
TF	Torn filter
PPL	Possible particulate loss
PFC	Possible filter contamination
<[concentration]	Below specified detection limit