Hamilton Air Monitoring Network - TSP Report

Station : STN29164
Location : Eastport Drive, Hamilton

Sample Matrix : Glass Fibre
Method : ICP/ MS

Parameter	TSP	Cd	Cr	Fe	Cu	Pb	Mn	Ni	V
Name		Cadmium	Chromium	Iron	Copper	Lead	Manganese	Nickel	Vanadium
Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
MDL	1	0.01	0.002	0.01	0.004	0.04	0.002	0.02	0.01
Date									
04-Jan-21	41	0.005	0.017	3.62	0.077	0.02	0.058	0.01	0.005
10-Jan-21	39	0.005	0.006	1.20	0.043	0.02	0.079	0.01	0.005
16-Jan-21	39	0.005	0.005	1.42	0.022	0.02	0.071	0.01	0.005
22-Jan-21	67	0.005	0.014	3.55	0.044	0.02	0.185	0.01	0.009
28-Jan-21	64	0.005	0.004	1.03	0.040	0.02	0.086	0.01	0.005
03-Feb-21	66	0.005	0.012	3.57	0.062	0.02	0.140	0.01	0.007
09-Feb-21	84	0.005	0.012	2.52	0.057	0.02	0.116	0.01	0.005
15-Feb-21	66	0.005	0.002	0.43	0.044	0.02	0.021	0.01	0.005
21-Feb-21	62	0.005	0.001	0.68	0.058	0.02	0.030	0.01	0.005
27-Feb-21	23	0.005	0.001	0.33	0.017	0.02	0.014	0.01	0.005
05-Mar-21	43	0.005	0.011	1.78	0.105	0.02	0.103	0.01	0.005
11-Mar-21	146	0.005	0.050	10.07	0.049	0.05	0.461	0.01	0.019
17-Mar-21	53	0.005	0.004	1.11	0.083	0.02	0.068	0.01	0.005
23-Mar-21	84	0.005	0.014	2.50	0.127	0.02	0.104	0.01	0.005
29-Mar-21	38	0.005	0.009	1.99	0.060	0.02	0.098	0.01	0.005
04-Apr-21	54	0.005	0.007	1.35	0.055	0.02	0.062	0.01	0.005
10-Apr-21	46	0.005	0.003	0.53	0.052	0.02	0.034	0.01	0.005
16-Apr-21	194	0.005	0.012	1.72	0.061	0.02	0.094	0.01	0.005
22-Apr-21	184	0.005	0.024	3.56	0.057	0.02	0.192	0.01	0.008
28-Apr-21	64	0.005	0.006	1.17	0.050	0.02	0.075	0.01	0.005

04-May-21	90	0.005	0.005	0.89	0.042	0.02	0.032	0.01	0.005
10-May-21	227	0.005	0.012	2.68	0.048	0.02	0.130	0.01	0.005
16-May-21	264	0.005	0.021	4.10	0.067	0.02	0.169	0.01	0.005
22-May-21	142	0.005	0.018	3.57	0.043	0.02	0.142	0.01	0.005
28-May-21	60	0.005	0.005	0.94	0.015	0.02	0.035	0.01	0.005
03-Jun-21	54	0.005	0.011	1.61	0.045	0.02	0.078	0.01	0.005
09-Jun-21	100	0.005	0.005	0.86	0.050	0.02	0.055	0.01	0.005
15-Jun-21	86	0.005	0.012	2.18	0.046	0.02	0.125	0.01	0.005
21-Jun-21	-	-	-	-	-	-	-	-	-
27-Jun-21	-	-	-	-	-	-	-	-	-

***Note: Samples from Jul 9 to Sep 19 taken using an OMNI FRM Ambient Air Sampler.**

Parameter	TSP	Cd	Cr	Fe	Cu	Pb	Mn	Ni	V
Name		Cadmium	Chromium	Iron	Copper	Lead	Manganese	Nickel	Vanadium
Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
MDL	1	0.01	0.002	0.01	0.004	0.04	0.002	0.02	0.01
Date									
03-Jul-21	-	-	-	-	-	-	-	-	-
09-Jul-21	14	0.014	0.035	0.35	0.035	0.02	0.016	0.02	0.035
15-Jul-21	40	0.014	0.035	2.22	0.035	0.02	0.093	0.02	0.035
21-Jul-21	12	0.014	0.035	0.35	0.035	0.02	0.007	0.02	0.035
27-Jul-21	39	0.014	0.035	1.48	0.035	0.02	0.074	0.02	0.035
02-Aug-21	16	0.014	0.035	0.73	0.035	0.02	0.020	0.02	0.035
08-Aug-21	31	0.014	0.035	0.35	0.035	0.02	0.015	0.02	0.035
14-Aug-21	11	0.014	0.035	0.35	0.035	0.02	0.007	0.02	0.035
20-Aug-21	51	0.014	0.035	2.31	0.035	0.02	0.131	0.02	0.035
26-Aug-21	34	0.014	0.035	1.15	0.035	0.02	0.065	0.02	0.035
01-Sep-21	11	0.014	0.035	0.35	0.035	0.02	0.007	0.02	0.035
07-Sep-21	24	0.014	0.035	1.11	0.035	0.02	0.078	0.02	0.035
13-Sep-21	42	0.014	0.035	3.31	0.035	0.02	0.100	0.02	0.035
19-Sep-21	9	0.014	0.035	0.35	0.035	0.02	0.007	0.02	0.035
25-Sep-21	17	0.014	0.035	0.96	0.035	0.02	0.034	0.02	0.035
01-Oct-21									
07-Oct-21									
13-Oct-21									
19-Oct-21									
25-Oct-21									
31-Oct-21									
06-Nov-21									
12-Nov-21									
18-Nov-21									
24-Nov-21									
30-Nov-21									
06-Dec-21									
12-Dec-21									
18-Dec-21									
24-Dec-21									
30-Dec-21									

Geo Mean	49	0.007	0.013	1.28	0.044	0.02	0.056	0.01	0.010
Max	264	0.014	0.050	10.07	0.127	0.05	0.461	0.02	0.035
Min	9	0.005	0.001	0.33	0.015	0.02	0.007	0.01	0.005
AAQC	120	0.025	0.5	25.0	50	0.5	0.4	0.2	2
No. > AAQC	6	0	0	0	0	0	1	0	0
URT	n/a	0.25	5	n/a	n/a	2	4	2	n/a
No. > URT	n/a	0	0	n/a	n/a	0	0	0	n/a
Sampling Dates	45	45	45	45	45	45	45	45	45
Valid Samples	42	42	42	42	42	42	42	42	42
% Valid Data	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3