



## Hamilton Air Monitoring Network - PAH Report

### STN29567 - PAH - Niagara / Land, Hamilton

PAH Parameter	10-Jan-12	22-Jan-12	03-Feb-12	15-Feb-12	27-Feb-12	10-Mar-12	17-Mar-12	03-Apr-12	15-Apr-12	27-Apr-12	09-May-12	21-May-12	02-Jun-12	14-Jun-12	26-Jun-12	08-Jul-12
BENZO(A)ANTHRACENE	0.36	1.10	0.21	0.43	0.32	0.09	2.30	4.40	0.08	0.07	0.08	9.10	0.93	7.00	0.03	3.00
CHRYSENE	0.36	1.90	0.45	0.67	0.51	0.20	3.40	5.60	0.12	0.15	0.14	9.50	1.30	9.20	0.08	3.20
BENZO(B)FLUORANTHENE	0.30	1.30	0.44	0.53	0.56	0.18	3.60	4.90	0.14	0.11	0.25	12.80	1.60	9.30	0.07	4.30
BENZO(K)FLUORANTHENE	0.21	1.10	0.33	0.48	0.44	0.13	2.70	4.20	0.09	0.08	0.19	9.00	1.10	7.20	0.05	3.70
BENZO(A)PYRENE (B[a]P)	0.13	0.83	0.25	0.41	0.32	0.10	<b>2.00</b>	<b>3.60</b>	0.08	0.05	0.10	<b>9.00</b>	<b>1.20</b>	<b>7.10</b>	0.05	<b>3.80</b>
INDENO(123CD)PYRENE	0.16	0.69	0.30	0.34	0.36	0.11	1.80	2.60	0.08	0.07	0.14	5.90	0.96	4.50	0.04	2.30
DIBENZO(A,H)ANTHRACENE	0.04	0.22	0.09	0.11	0.08	0.03	0.63	0.92	0.03	0.02	0.03	2.20	0.31	2.10	0.01	0.82
BENZO(GHI)PERYLENE	0.21	0.90	0.46	0.42	0.52	0.12	1.70	2.90	0.09	0.08	0.17	6.00	1.00	3.80	0.05	2.00

PAH Parameter	20-Jul-12	#####	#####	#####	06-Sep-12	18-Sep-12	30-Sep-12	12-Oct-12	24-Oct-12	05-Nov-12	17-Nov-12	29-Nov-12	11-Dec-12	23-Dec-12			Ave	Max	Min
BENZO(A)ANTHRACENE	5.40	1.90	0.04	2.50	0.46	0.03	0.82	0.47	4.90	0.18	1.40	4.40	1.20	0.19			1.78	9.10	0.03
CHRYSENE	6.30	2.40	0.09	3.10	0.71	0.07	1.20	0.77	5.20	0.32	2.20	5.10	1.60	0.26			2.20	9.50	0.07
BENZO(B)FLUORANTHENE	9.70	2.80	0.09	4.40	1.00	0.09	1.50	0.91	7.10	0.17	1.80	4.30	1.40	0.23			2.53	12.80	0.07
BENZO(K)FLUORANTHENE	7.60	2.20	0.07	3.40	0.67	0.06	0.98	0.55	4.90	0.12	1.20	3.80	1.10	0.16			1.93	9.00	0.05
BENZO(A)PYRENE (B[a]P)	<b>7.60</b>	<b>2.00</b>	0.06	<b>3.20</b>	0.53	0.04	0.88	0.45	<b>4.80</b>	0.12	1.10	<b>4.30</b>	0.96	0.17			1.84	9.00	0.04
INDENO(123CD)PYRENE	5.10	2.10	0.07	2.80	0.56	0.00	0.72	0.39	3.20	0.15	1.40	2.78	0.82	0.15			1.35	5.90	0.00
DIBENZO(A,H)ANTHRACENE	1.70	0.53	0.02	0.82	0.14	0.00	0.23	0.12	1.20	0.04	0.33	0.92	0.18	0.04			0.46	2.20	0.00
BENZO(GHI)PERYLENE	4.60	1.70	0.08	2.20	0.57	0.06	0.73	0.42	3.30	0.14	1.20	2.30	0.66	0.11			1.28	6.00	0.05

Measurement units : ng/m3  
 Minimum detection limit (MDL) : 0.1 ng/m3  
 Reported values < 0.1 ng/m3 : Target compound meets identification criteria but is < MDL  
 Reported '0.00' values : Analyte not detected  
 B[a]P AAQC 24 Hour Objective : 1.10 ng/m3  
 B[a]P AAQC Annual arithmetic mean : 0.22 ng/m3

Number of Valid Samples	30
Number of Samples > B[a]P AAQC	11
Annual B[a]P Arithmetic Mean	1.84

B[a]P O.Reg 419/05 URT 24 Hour Objective : 5.00 ng/m3

Number of Samples > B[a]P URT