



## Hamilton Air Monitoring Network - PAH Report

### STN29547 - PAH - Pier 25, Hamilton

PAH Parameter	11-Jan-14	23-Jan-14	04-Feb-14	16-Feb-14	28-Feb-14	12-Mar-14	24-Mar-14	05-Apr-14	17-Apr-14	29-Apr-14	11-May-14	23-May-14	04-Jun-14	16-Jun-14	28-Jun-14	10-Jul-14
BENZO(A)ANTHRACENE	0.42	0.24	1.80	6.30	1.00	0.16	2.80	2.80	0.34	0.25	1.70	2.60	1.49	0.10	0.10	0.11
CHRYSENE	0.77	0.58	2.80	8.40	1.30	0.09	4.30	5.10	0.45	0.25	2.30	2.90	2.17	0.11	0.00	0.14
BENZO(B)FLUORANTHENE	0.94	0.62	2.50	7.50	1.20	0.20	3.70	5.80	0.47	0.17	3.30	4.40	2.58	0.11	0.14	0.20
BENZO(K)FLUORANTHENE	0.61	0.41	1.90	5.90	1.40	0.15	3.20	3.80	0.45	0.34	2.80	3.00	1.99	0.04	0.05	0.07
BENZO(A)PYRENE (B[a]P)	0.58	0.36	<b>1.60</b>	<b>5.80</b>	0.94	0.05	<b>2.60</b>	<b>2.40</b>	0.10	0.02	<b>2.00</b>	<b>2.70</b>	<b>1.63</b>	0.09	0.19	0.21
INDENO(123CD)PYRENE	0.12	0.07	0.38	1.30	0.93	0.10	3.00	2.70	0.15	0.09	2.60	2.10	1.84	0.14	0.26	0.32
DIBENZO(A,H)ANTHRACENE	0.63	0.41	1.40	4.70	0.31	0.13	0.82	0.77	0.07	0.05	0.91	0.83	0.43	0.10	0.11	0.16
BENZO(GHI)PERYLENE	0.56	0.34	1.10	3.30	0.58	0.05	2.10	3.30	0.15	0.08	2.90	2.40	1.37	0.02	0.11	0.18

PAH Parameter	22-Jul-14	03-Aug-14	15-Aug-14	27-Aug-14	08-Sep-14	20-Sep-14	02-Oct-14	14-Oct-14	26-Oct-14	07-Nov-14	19-Nov-14	01-Dec-14	13-Dec-14	25-Dec-14					
																	<b>Ave</b>	<b>Max</b>	<b>Min</b>
BENZO(A)ANTHRACENE	0.29	0.00	---	0.38	0.00	0.58	0.20	0.17	1.19	0.00	0.00	0.45	0.93	1.21			0.95	6.30	0.00
CHRYSENE	0.45	0.05	---	0.29	0.00	0.60	0.14	0.12	1.46	0.00	0.00	0.83	1.31	1.52			1.33	8.40	0.00
BENZO(B)FLUORANTHENE	0.92	0.22	---	0.44	0.00	0.89	0.25	0.24	1.34	0.00	0.00	0.88	1.57	1.64			1.46	7.50	0.00
BENZO(K)FLUORANTHENE	0.47	0.04	---	0.33	0.00	0.55	0.20	0.18	1.05	0.00	0.00	0.69	1.41	1.50			1.12	5.90	0.00
BENZO(A)PYRENE (B[a]P)	0.62	0.20	---	0.38	0.07	0.83	0.23	0.16	0.90	0.00	0.00	0.48	<b>1.19</b>	<b>1.41</b>			0.96	5.80	0.00
INDENO(123CD)PYRENE	0.90	0.40	---	0.38	0.00	0.72	0.30	0.29	0.92	0.00	0.00	0.56	1.10	1.09			0.78	3.00	0.00
DIBENZO(A,H)ANTHRACENE	0.29	0.23	---	0.09	0.00	0.13	0.07	0.07	0.20	0.00	0.00	0.11	0.22	0.22			0.46	4.70	0.00
BENZO(GHI)PERYLENE	0.65	0.22	---	0.16	0.00	0.46	0.10	0.10	0.73	0.00	0.00	0.43	0.96	1.01			0.81	3.30	0.00

Measurement units : ng/m<sup>3</sup>  
 Minimum detection limit (MDL) : 0.1 ng/m<sup>3</sup>  
 Reported values < 0.1 ng/m<sup>3</sup> : 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/m<sup>3</sup>  
 B[a]P AAQC Annual arithmetic mean : 0.22 ng/m<sup>3</sup>  
 B[a]P O.Reg 419/05 URT 24 Hour Objective : 5.00 ng/m<sup>3</sup>

Number of Valid Samples	29
Number of Samples > B[a]P AAQC	9
Annual B[a]P Arithmetic Mean	0.96
Number of Samples > B[a]P URT	1

**Note:** " --- " indicates invalid sample