



## Hamilton Air Monitoring Network - PAH Report

### STN29113 - PAH - Gertrude / Depew, Hamilton

PAH Parameter	10-Jan-12	22-Jan-12	03-Feb-12	15-Feb-12	27-Feb-12	10-Mar-12	22-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	0.25	0.20	0.36	0.22	0.22	0.14	3.10	4.40	0.13	0.39	0.32	2.40	0.04	2.20	0.96	1.60
CHRYSENE	0.54	0.53	0.70	0.43	0.38	0.32	5.00	5.70	0.21	0.79	0.37	3.70	0.08	3.70	1.00	2.20
BENZO(B)FLUORANTHENE	0.58	0.43	0.71	0.42	0.32	0.33	4.70	4.80	0.23	0.75	0.27	4.90	0.08	5.30	1.10	3.00
BENZO(K)FLUORANTHENE	0.38	0.28	0.48	0.28	0.20	0.22	3.50	3.80	0.17	0.51	0.16	3.00	0.05	3.60	0.79	2.40
BENZO(A)PYRENE (B[a]P)	0.27	0.15	0.47	0.29	0.20	0.16	<b>2.80</b>	<b>3.40</b>	0.17	0.36	0.17	<b>3.00</b>	0.05	<b>3.10</b>	0.89	<b>2.20</b>
INDENO(123CD)PYRENE	0.30	0.19	0.47	0.27	0.18	0.16	2.60	2.70	0.13	0.36	0.12	2.40	0.04	3.00	0.61	1.60
DIBENZO(A,H)ANTHRACENE	0.09	0.05	0.13	0.07	0.05	0.05	0.78	0.77	0.04	0.11	0.04	0.64	0.01	0.96	0.28	0.52
BENZO(GHI)PERYLENE	0.37	0.30	0.56	0.31	0.21	0.18	3.00	3.40	0.17	0.37	0.14	2.80	0.05	3.10	0.56	1.50

PAH Parameter	20-Jul-12	01-Aug-12	13-Aug-12	25-Aug-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	0.60	0.68	0.03	0.43	0.28	0.04	1.50	0.24	---	---	1.60	0.65	0.40	0.08			0.84	4.40	0.03
CHRYSENE	1.10	0.88	0.06	0.74	0.48	0.08	2.20	0.66	---	---	2.40	0.83	0.80	0.17			1.29	5.70	0.06
BENZO(B)FLUORANTHENE	1.60	1.00	0.08	1.10	0.64	0.17	1.70	0.75	---	---	1.30	0.77	0.61	0.15			1.35	5.30	0.08
BENZO(K)FLUORANTHENE	1.10	0.83	0.05	0.71	0.46	0.12	1.30	0.46	---	---	0.98	0.70	0.43	0.11			0.97	3.80	0.05
BENZO(A)PYRENE (B[a]P)	0.88	0.76	0.04	0.63	0.39	0.07	<b>1.30</b>	0.28	---	---	1.00	0.67	0.34	0.09			0.86	3.40	0.04
INDENO(123CD)PYRENE	0.76	0.82	0.04	0.70	0.29	0.00	0.92	0.33	---	---	1.00	0.55	0.36	0.10			0.75	3.00	0.00
DIBENZO(A,H)ANTHRACENE	0.21	0.20	0.01	0.15	0.09	0.02	0.24	0.08	---	---	0.19	0.11	0.09	0.02			0.21	0.96	0.01
BENZO(GHI)PERYLENE	0.79	0.84	0.05	0.71	0.37	0.07	1.00	0.42	---	---	1.20	0.49	0.36	0.08			0.84	3.40	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  
 B[a]P O.Reg 419/05 URT 24 Hour Objective : 5.00 ng/m3

Number of Valid Samples	28
Number of Samples > B[a]P AAQC	<b>6</b>
Annual B[a]P Arithmetic Mean	0.86
Number of Samples > B[a]P URT	<b>0</b>