



## Hamilton Air Monitoring Network - PAH Report

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

PAH Parameter	03-Jan-11	15-Jan-11	27-Jan-11	08-Feb-11	20-Feb-11	04-Mar-11	16-Mar-11	28-Mar-11	09-Apr-11	21-Apr-11	03-May-11	15-May-11	27-May-11	08-Jun-11	20-Jun-11	02-Jul-11
BENZO(A)ANTHRACENE	0.23	0.09	0.12	0.35	1.60	0.85	1.90	0.31	1.70	0.37	2.10	3.40	0.63	2.00	2.30	1.20
CHRYSENE	0.40	0.29	0.25	0.96	3.20	1.80	3.30	0.56	3.00	0.53	4.10	5.40	1.90	2.40	4.30	1.80
BENZO(B)FLUORANTHENE	0.33	0.27	0.26	0.65	2.30	1.30	3.10	0.43	3.30	0.38	3.70	7.80	4.30	2.50	6.50	2.10
BENZO(K)FLUORANTHENE	0.32	0.24	0.18	0.72	1.80	1.00	2.20	0.37	2.70	0.35	2.70	5.40	2.10	2.30	4.60	1.60
BENZO(A)PYRENE (B[a]P)	0.23	0.12	0.14	0.35	<b>1.20</b>	0.83	<b>1.70</b>	0.28	<b>1.60</b>	0.32	<b>1.70</b>	<b>3.70</b>	0.84	<b>2.60</b>	<b>3.50</b>	<b>2.10</b>
INDENO(123CD)PYRENE	0.19	0.17	0.17	0.47	1.20	0.79	1.70	0.34	2.00	0.21	1.70	3.90	1.70	1.60	3.90	1.40
DIBENZO(A,H)ANTHRACENE	0.06	0.05	0.04	0.08	0.40	0.27	0.31	0.07	0.56	0.06	0.42	0.92	0.35	0.54	0.97	0.36
BENZO(GHI)PERYLENE	0.23	0.16	0.15	0.46	1.20	0.87	1.50	0.36	1.60	0.26	2.00	3.90	1.60	1.60	4.00	1.60

PAH Parameter	14-Jul-11	26-Jul-11	07-Aug-11	19-Aug-11	31-Aug-11	12-Sep-11	24-Sep-11	06-Oct-11	18-Oct-11	30-Oct-11	11-Nov-11	23-Nov-11	05-Dec-11	17-Dec-11	29-Dec-11		Ave	Max	Min
BENZO(A)ANTHRACENE	---	0.12	0.96	0.25	2.00	0.08	0.37	0.83	3.40	0.13	0.26	0.38	0.50	0.61	---		1.00	3.40	0.08
CHRYSENE	---	0.21	1.30	0.43	2.90	0.13	0.59	1.80	4.10	0.28	0.52	0.77	0.92	1.20	---		1.70	5.40	0.13
BENZO(B)FLUORANTHENE	---	0.19	1.80	0.60	3.70	0.18	0.32	0.93	3.10	0.24	0.41	0.69	0.81	0.94	---		1.83	7.80	0.18
BENZO(K)FLUORANTHENE	---	0.16	1.30	0.39	2.30	0.11	0.30	0.47	4.00	0.28	0.41	0.50	0.90	0.67	---		1.39	5.40	0.11
BENZO(A)PYRENE (B[a]P)	---	0.20	<b>1.40</b>	0.39	<b>1.90</b>	0.14	0.43	0.60	<b>3.20</b>	0.18	0.26	0.32	0.46	0.53	---		1.08	3.70	0.12
INDENO(123CD)PYRENE	---	0.13	1.10	0.30	2.00	0.10	0.32	0.66	2.50	0.21	0.24	0.30	0.47	0.48	---		1.04	3.90	0.10
DIBENZO(A,H)ANTHRACENE	---	0.06	0.36	0.11	0.68	0.04	0.06	0.14	0.66	0.04	0.07	0.09	0.13	0.14	---		0.28	0.97	0.04
BENZO(GHI)PERYLENE	---	0.15	1.20	0.31	2.00	0.11	0.28	0.57	2.00	0.22	0.28	0.33	0.55	0.60	---		1.04	4.00	0.11

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

Number of Valid Samples	29
Number of Samples > B[a]P AAQC	11

B[a]P AAQC Annual arithmetic mean : 0.22 ng/m<sup>3</sup>

Annual B[a]P Arithmetic Mean