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A Division of METROLINX

**Data Summary**  
**Q1, 2013**



Item	Term	Description	Units
1)	NO	Nitric Oxide	ppb
2)	NO <sub>2</sub>	Nitrogen Dioxide	ppb
3)	NO <sub>X</sub>	Oxides of Nitrogen	ppb
4)	PM <sub>2.5</sub>	Particulate Matter < 2.5 micron	µg/m <sup>3</sup>
5)	CO	Carbon Monoxide	ppm
6)	SO <sub>2</sub>	Sulphur Dioxide	ppb
7)	WS	Resultant Mean Wind Speed	km/hr
8)	WD	Resultant Mean Wind Direction	Degrees
9)	ATEM	Ambient Temperature	°C
10)	SLR	Solar Radiation Flux Density	W/m <sup>2</sup>
11)	BP	Barometric Pressure	mb
12)	RH	Relative Humidity	%
13)	PRECP	Total Precipitation	mm
14)	VOC	Volatile Organic Compounds	µg/m <sup>3</sup>
15)	PAH	Polycyclic Aromatic Hydrocarbons	ng/m <sup>3</sup>
16)	TSP	Total Suspended Particulate	µg/m <sup>3</sup>
17)	ppb	Parts per billion	
18)	ppm	Parts per million	
19)	µg/m <sup>3</sup>	Micrograms per cubic metre	
20)	ng/m <sup>3</sup>	Nanograms per cubic metre	
21)	km/hr	Kilometres per hour	
22)	mm	Millimetres	
23)	mb	Millibars	
24)	W/m <sup>2</sup>	Watts per square metre	
25)	GC/MS	Gas Chromatography / Mass Spectrometry	
26)	PUF	Polyurethane Foam	
27)	GF	Glass Fibre	
28)	Ave	Average	
29)	Min	Minimum	
30)	Max	Maximum	
31)	MOE	Ministry of the Environment	
32)	AAQC	Ambient Air Quality Criteria	
33)	O. Reg 419/05	Ontario Regulation 419/05	
34)	CWS	Canada Wide Standard	
35)	WHO	World Health Organization	
36)	EST	Eastern Standard Time	
37)	Clock Average	1 Hr Clock Average (i.e. 09:00 to 10:00) 24 Hr Clock Average (i.e. 00:00 to 23:00)	
38)	Running Average	Creating a series of averages of varying subset time frames of the full dataset.	



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**Metrolinx Air Monitoring Network  
2013 Statistics, Q1**

Data Statistics		Maximum 24 Hr Running Average			Maximum 8 Hr Running Average		Maximum 1 Hr Running Average			Maximum ½ Hr Running Average			Maximum 24 Hr Clock Average		Maximum 1 Hr Clock Average		Monthly Mean						Percent Valid Data					
Station	Month	SO2	CO	NO2	CO	SO2	CO	NO2	SO2	CO	NO2	PM2.5	PM2.5	SO2	CO	PM2.5	NO	NO2	NOX	SO2	CO	PM2.5	NO	NO2	NOX			
		ppb	ppm	ppb	ppm	ppb	ppm	ppb	ppb	ppm	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	ppb	ppb	µg/m <sup>3</sup>	ppm	ppb	%	%	%	%	%	%			
35020	January	4	0.37	39	0.52	12	1.05	52	13	1.08	53	32	49	1.0	0.22	11	8	21	30	99.9	99.9	99.9	99.9	99.9	99.9			
	February	2	0.99	53	1.72	6	2.30	88	6	2.31	88	22	51	0.6	0.28	9	11	20	32	99.9	99.6	99.9	99.9	99.9	99.9			
	March	2	0.30	41	0.39	5	0.74	63	7	0.78	64	17	38	0.5	0.18	7	3	15	18	99.7	99.5	99.5	99.6	99.6	99.6			
	<b>Q1 Arithmetic Mean</b>														0.7	0.23	9	8	19	26	99.8	99.6	99.7	99.8	99.8	99.8		

Event Statistics		Events > 24 Hr AAQC		Events > 8 Hr AAQC		Events > 1 Hr AAQC			Events > ½ Hr Standard			Events > 24 Hr WHO		Events > 1 Hr WHO		No. of Days > 24 Hr Ref. Level		
Station	Month	SO2	NO2	CO	SO2	CO	NO2	SO2	CO	NO2	SO2	PM2.5	NO2	PM2.5	NO2	PM2.5	No.	No.
		No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
35020	January	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1		
	February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	<b>Q1 Total</b>	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1		

Data Statistics		Maximum 24 Hr Running Average		Maximum 8 Hr Running Average		Maximum 1 Hr Running Average		Maximum ½ Hr Running Average		Maximum 24 Hr Clock Average		Maximum 1 Hr Clock Average		Monthly Mean					Percent Valid Data						
Station	Month	SO2	CO	NO2	CO	SO2	CO	NO2	SO2	CO	NO2	PM2.5	PM2.5	SO2	CO	PM2.5	NO	NO2	NOX	SO2	CO	PM2.5	NO	NO2	NOX
		ppb	ppm	ppb	ppm	ppb	ppm	ppb	ppm	ppb	ppm	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	ppb	ppb	µg/m <sup>3</sup>	ppm	ppb	%	%	%	%	%
35021	January	4	0.45	41	0.66	10	1.15	55	11	1.36	56	33	50	0.9	0.27	11	11	22	33	99.7	99.6	99.9	99.7	99.7	99.7
	February	2	0.87	51	1.38	5	1.88	80	5	1.93	81	23	51	0.5	0.28	10	12	22	34	99.9	99.7	99.9	99.9	99.9	99.9
	March	3	0.35	40	0.48	8	0.79	60	9	0.84	18	17	38	0.8	0.20	8	6	17	24	99.7	99.5	99.7	99.7	99.7	99.7
	<b>Q1 Arithmetic Mean</b>														0.7	0.25	10	10	20	30	99.8	99.6	99.8	99.8	99.8

Event Statistics		Events > 24 Hr AAQC		Events > 8 Hr AAQC		Events > 1 Hr AAQC		Events > ½ Hr Standard		Events > 24 Hr WHO		Events > 1 Hr WHO		No. of Days > 24 Hr Ref. Level	
Station	Month	SO2	NO2	CO	SO2	CO	NO2	SO2	CO	NO2	SO2	PM2.5	NO2	PM2.5	No.
		No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
35021	January	0	0	0	0	0	0	0	0	0	0	1	0	1	
	February	0	0	0	0	0	0	0	0	0	0	0	0	0	
	March	0	0	0	0	0	0	0	0	0	0	0	0	0	
	<b>Q1 Total</b>	0	0	0	0	0	0	0	0	0	0	1	0	1	

Met. Statistics		Maximum 1 Hr Clock Average			Minimum 1 Hr Clock Average			Monthly Mean	Total Precipitation	Percent Valid Data						
Station	Month	WS	ATEM	PRECP	WS	ATEM	ATEM	PRECP	WS	WD	ATEM	SLR	BP	RH	PRECP	
		km/hr	°C	mm	km/hr	°C	°C	mm	%	%	%	%	%	%	%	
35021	January	26.0	14.5	6.7	0.0	-19.5	-1.3	58.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	February	21.6	7.3	9.4	0.0	-15.5	-3.2	66.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	March	19.7	13.7	2.0	0.3	-7.6	1.2	13.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	<b>Q1 Total</b>								138.4							

Data Statistics		Maximum 24 Hr Running Average			Maximum 8 Hr Running Average			Maximum 1 Hr Running Average			Maximum ½ Hr Running Average			Maximum 24 Hr Clock Average		Maximum 1 Hr Clock Average		Monthly Mean						Percent Valid Data					
Station	Month	SO2	CO	NO2	CO	SO2	CO	NO2	SO2	CO	NO2	PM2.5	PM2.5	SO2	CO	PM2.5	NO	NO2	NOX	SO2	CO	PM2.5	NO	NO2	NOX				
		ppb	ppm	ppb	ppm	ppb	ppm	ppb	ppb	ppm	ppb	ppm	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	ppb	ppb	µg/m <sup>3</sup>	ppm	ppb	%	%	%	%	%	%			
35022	January	2	0.36	38	0.51	5	0.85	61	6	0.90	70	31	59	0.4	0.22	12	12	21	33	100.0	100.0	100.0	99.9	99.9	99.9				
	February	1	0.59	44	0.89	3	1.33	85	4	1.40	88	23	41	0.2	0.24	10	12	20	32	99.9	99.9	99.9	99.6	99.6	99.6				
	March	1	0.28	36	0.34	5	0.48	56	5	0.48	57	17	38	0.3	0.20	7	6	17	24	99.7	99.7	99.6	99.7	99.7	99.7				
	<b>Q1 Arithmetic Mean</b>																0.3	0.22	10	10	20	30	99.9	99.9	99.8	99.7	99.7	99.7	

Event Statistics		Events > 24 Hr AAQC		Events > 8 Hr AAQC	Events > 1 Hr AAQC			Events > ½ Hr Standard			Events > 24 Hr WHO		Events > 1 Hr WHO	No. of Days > 24 Hr Ref. Level
Station	Month	SO2	NO2	CO	SO2	CO	NO2	SO2	CO	NO2	SO2	PM2.5	NO2	PM2.5
		No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
35022	January	0	0	0	0	0	0	0	0	0	0	1	0	1
	February	0	0	0	0	0	0	0	0	0	0	0	0	0
	March	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Q1 Total</b>	0	0	0	0	0	0	0	0	0	0	1	0	1

Ambient Air Quality Criteria (AAQC)			
Period	SO2	CO	NO2
	ppb	ppm	ppb
1 Hr	250	30	200
8 Hr	---	13	---
24 Hr	100	---	100

O.Reg 419/05 Standards			
Period	SO2	CO	NO2
	ppb	ppm	ppb
½ Hr	300	5	250

WHO Air Quality Guidelines			
Period	SO2	PM2.5	NO2
	ppb	µg/m <sup>3</sup>	ppb
1 Hr	---	---	100
24 Hr	7	25	---

CWS PM2.5 Reference Level	
Period	PM2.5
	µg/m <sup>3</sup>
24 Hr	30

**Station** : 35020 **Sample Matrix** : Teflon Coated Filter  
**Location** : Wallace Avenue, Toronto **Method** : IO-3.1  
**Reporting Period** : 01 January, 2013 to 31 March, 2013 **Valid Samples - Number / %** : 15 / 100%

Parameter	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
Name		Mercury	Arsenic	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Vanadium	Zinc
Units	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
AAQC	120	2	0.3	0.025	0.5	0.1	50	0.5	0.4	0.2	10	2	120
RDL	3	0.00001	0.0037	0.0012	0.0012	0.0012	0.0012	0.0018	0.00061	0.0018	0.0061	0.0012	0.0031

Date	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
04-Jan-13	35	0.000005	0.00185	0.0006	0.0309	0.0006	0.0120	0.0071	0.0237	0.0046	0.00305	0.0159	0.1410
10-Jan-13	23	0.000010	0.00185	0.0006	0.0322	0.0006	0.0156	0.0075	0.0249	0.0049	0.00305	0.0165	0.1430
16-Jan-13	60	0.000040	0.00370	0.0006	0.0354	0.0006	0.0202	0.0172	0.0482	0.0055	0.00305	0.0169	0.2150
22-Jan-13	29	0.000010	0.00185	0.0006	0.0340	0.0012	0.0109	0.0082	0.0230	0.0052	0.00305	0.0169	0.1690
28-Jan-13	24	0.000010	0.00185	0.0006	0.0314	0.0006	0.0117	0.0085	0.0167	0.0044	0.00305	0.0152	0.1320
03-Feb-13	48	0.000030	0.00185	0.0006	0.0321	0.0006	0.0145	0.0076	0.0320	0.0047	0.00305	0.0162	0.1490
09-Feb-13	25	0.000005	0.00185	0.0006	0.0322	0.0006	0.0148	0.0070	0.0172	0.0044	0.00305	0.0166	0.1400
15-Feb-13	19	0.000005	0.00185	0.0006	0.0270	0.0006	0.0097	0.0053	0.0181	0.0037	0.00305	0.0131	0.1160
21-Feb-13	57	0.000005	0.00185	0.0006	0.0314	0.0006	0.0136	0.0095	0.0341	0.0056	0.00305	0.0158	0.1790
27-Feb-13	10	0.000005	0.00185	0.0006	0.0315	0.0006	0.0066	0.0052	0.0136	0.0041	0.00305	0.0159	0.1190
05-Mar-13	28	0.000050	0.00410	0.0006	0.0331	0.0013	0.0206	0.0122	0.0255	0.0055	0.00305	0.0165	0.1470
11-Mar-13	23	0.000010	0.00185	0.0006	0.0336	0.0006	0.0146	0.0087	0.0309	0.0052	0.00305	0.0180	0.1460
17-Mar-13	26	0.000005	0.00185	0.0006	0.0332	0.0006	0.0351	0.0093	0.0233	0.0056	0.00305	0.0178	0.1590
23-Mar-13	27	0.000005	0.00185	0.0006	0.0322	0.0006	0.0239	0.0065	0.0250	0.0055	0.00305	0.0166	0.1660
29-Mar-13	24	0.000010	0.00185	0.0006	0.0329	0.0006	0.0292	0.0065	0.0255	0.0053	0.00305	0.0170	0.1780
Ave	31	0.000014	0.00212	0.0006	0.0322	0.0007	0.0169	0.0084	0.0254	0.0049	0.00305	0.0163	0.1533
Max	60	0.000050	0.00410	0.0006	0.0354	0.0013	0.0351	0.0172	0.0482	0.0056	0.00305	0.0180	0.2150
Min	10	0.000005	0.00185	0.0006	0.0270	0.0006	0.0066	0.0052	0.0136	0.0037	0.00305	0.0131	0.1160
No. > AAQC	0	0	0	0	0	0	0	0	0	0	0	0	0

**Note 1:** All non detectable results are reported as ½ the detection limit.

**Note 2:** Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample.

Therefore the reported ½ RDL values will be affected, for example the reported value may be above or below RDL indicated in the RDL column.

Note all data presented is actual data as reported from the laboratory and modified to meet the MOE ½ detection limit reporting requirement.





**Station** : 35020  
**Location** : Wallace Avenue, Toronto  
**Reporting Period** : 01 January, 2013 to 31 March, 2013

**Sample Matrix** : PUF Cartridge  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 14 / 93.3%

Parameter	AAQC	RDL	04-Jan-13	10-Jan-13	16-Jan-13	22-Jan-13	28-Jan-13	03-Feb-13	09-Feb-13	15-Feb-13	21-Feb-13	27-Feb-13	05-Mar-13	11-Mar-13	17-Mar-13	23-Mar-13	29-Mar-13	Ave	Max	Min	Samples
	ng/m <sup>3</sup>	ng/m <sup>3</sup>															ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	> AAQC	
	ng/m <sup>3</sup>	ng/m <sup>3</sup>															ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.	
1,2-Dimethylnaphthalene	x	0.670	0.780	0.335	0.335	1.100	1.000	0.900	2.300	1.200	1.000		0.650	0.770	0.720	0.335	0.335	0.840	2.300	0.335	x
1-Methylnaphthalene	x	0.670	0.340	0.335	0.335	3.700	1.400	1.400	15.000	2.900	1.500		0.335	0.335	1.200	1.200	1.100	2.220	15.000	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.980	0.510	0.820	3.500	2.200	1.700	8.600	2.500	1.600		0.335	0.630	1.000	0.860	1.000	1.874	8.600	0.335	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylantracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	2.157	0.700	1.400	6.600	2.800	3.000	28.000	5.500	2.900		1.000	1.000	2.600	2.700	2.200	4.468	28.000	0.700	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.330	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.189	0.335	0.165	x
Acenaphthene	x	0.330	0.523	0.700	0.820	1.000	1.800	1.700	3.300	1.400	1.500		0.810	1.800	1.900	3.100	3.500	1.704	3.500	0.523	x
Acenaphthylene	x	0.330	0.654	0.165	0.570	1.800	2.400	1.700	9.800	0.910	1.100		0.370	0.165	0.310	0.370	0.165	1.463	9.800	0.165	x
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.390	0.390	0.770	0.165	0.450		0.165	0.165	0.165	0.165	0.165	0.261	0.770	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330		<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.670	1.634	0.335	1.100	2.500	2.100	2.300	5.900	1.800	1.700		0.690	0.840	1.200	1.100	1.100	1.736	5.900	0.335	x
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.177	0.335	0.165	x
Fluoranthene	x	0.330	0.850	0.820	1.100	0.570	1.700	1.200	1.300	0.840	1.300		0.870	1.700	0.560	1.100	2.000	1.136	2.000	0.560	x
Fluorene	x	0.330	1.569	1.900	2.300	1.300	3.200	2.100	3.500	1.800	1.700		1.600	4.400	1.600	2.900	6.100	2.569	6.100	1.300	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Naphthalene	22500	0.670	2.614	1.300	1.600	6.100	2.700	3.800	38.000	5.000	4.000		1.400	1.900	3.900	1.700	2.200	5.444	38.000	1.300	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Phenanthrene	x	0.330	3.399	3.200	4.200	2.600	6.300	4.900	7.000	3.300	4.500		3.400	8.300	2.700	4.700	9.900	4.886	9.900	2.600	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Pyrene	x	0.330	0.458	0.570	0.950	0.570	1.200	1.200	1.200	0.650	1.000		0.870	1.100	0.440	0.680	0.950	0.846	1.200	0.440	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	1.70	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.73	1.70	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	1.700	0.335		0.335	0.335	0.335	0.335	0.335	0.433	1.700	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x

**Note 1:** All non detectable results were reported as ½ the detection limit.

**Note 2:** At the time of the AAQMRP, the criterion for Benzo(a)pyrene (B(a)P) was 1.1 ng/m<sup>3</sup>. This limit was revised to 0.05 ng/m<sup>3</sup> in July 2011. Current analytical methods are not able to detect below 0.05 ng/m<sup>3</sup> and B(a)P is reported as below the detection limit. Metrolinx is working with the MOE to resolve this issue.

**Note 3:** Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample. Therefore the reported ½ RDL values, for example the reported value may be above or below RDL indicated in the RDL column. Note all data presented is actual data as reported from the laboratory and modified to meet the MOE ½ detection limit reporting requirement.

<b>Station</b>	: 35020	<b>Sample Matrix</b>	: 102mm GF Filter
<b>Location</b>	: Wallace Avenue, Toronto	<b>Method</b>	: GC/MS (TO13)
<b>Reporting Period</b>	: 01 January, 2013 to 31 March, 2013	<b>Valid Samples - No. / %</b>	: 14 / 93.3%

Parameter	AAQC	RDL	04-Jan-13	10-Jan-13	16-Jan-13	22-Jan-13	28-Jan-13	03-Feb-13	09-Feb-13	15-Feb-13	21-Feb-13	27-Feb-13	05-Mar-13	11-Mar-13	17-Mar-13	23-Mar-13	29-Mar-13	Ave	Max	Min	Samples
	24 Hr																			> AAQC	
	ng/m <sup>3</sup>	ng/m <sup>3</sup>															ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.	
1,2-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.670	0.670		0.335	0.335	0.335	0.335	0.335	0.383	0.670	0.335	x
1-Methylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.335	0.335	0.335	0.335	0.165	0.165	0.165	0.335	0.335		0.335	0.335	0.335	0.165	0.165	0.274	0.335	0.165	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylantracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.177	0.335	0.165	x
Acenaphthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Acenaphthylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330		<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.440	0.165	0.165	0.600	0.700	0.165	0.165		0.165	0.560	0.165	0.165	0.165	0.282	0.700	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.440	0.165	0.390	0.380	0.600	0.165	0.165		0.165	0.400	0.165	0.165	0.165	0.264	0.600	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Chrysene	x	0.330	0.165	0.165	0.380	0.165	0.165	0.330	0.720	0.165	0.165		0.165	0.400	0.165	0.165	0.165	0.249	0.720	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.177	0.335	0.165	x
Fluoranthene	x	0.330	0.165	0.165	0.440	0.165	0.165	0.380	0.700	0.165	0.165		0.165	0.460	0.165	0.165	0.165	0.259	0.700	0.165	x
Fluorene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.330	0.165	0.390	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.193	0.390	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Naphthalene	22500	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Phenanthrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Pyrene	x	0.330	0.165	0.165	0.380	0.165	0.165	0.330	0.850	0.165	0.165		0.165	0.400	0.165	0.165	0.165	0.258	0.850	0.165	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x

**Note 1:** All non detectable results were reported as ½ the detection limit.

**Note 2:** At the time of the AAQMRP, the criterion for Benzo(a)pyrene (B(a)P) was 1.1 ng/m<sup>3</sup>. This limit was revised to 0.05 ng/m<sup>3</sup> in July 2011. Current analytical methods are not able to detect below 0.05 ng/m<sup>3</sup> and B(a)P is reported as below the detection limit. Metrolinx is working with the MOE to resolve this issue.

**Note 3:** Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample. Therefore the reported ½ RDL values, for example the reported value may be above or below RDL indicated in the RDL column. Note all data presented is actual data as reported from the laboratory and modified to meet the MOE ½ detection limit reporting requirement.

**Station** : 35020  
**Location** : Wallace Avenue, Toronto  
**Reporting Period** : 01 January, 2013 to 31 March, 2013

**Sample Matrix** : PUF + Filter  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 14 / 93.3%

Parameter	AAQC 24 Hr	RDL	04-Jan-13	10-Jan-13	16-Jan-13	22-Jan-13	28-Jan-13	03-Feb-13	09-Feb-13	15-Feb-13	21-Feb-13	27-Feb-13	05-Mar-13	11-Mar-13	17-Mar-13	23-Mar-13	29-Mar-13	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>	ng/m <sup>3</sup>	Sample Invalid - Motor Failure										ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.					
1,2-Dimethylnaphthalene	x	0.670	0.780	0.335	0.335	1.100	1.000	0.900	2.300	1.900	1.700		0.650	0.770	0.720	0.335	0.335	0.940	2.300	0.335	x
1-Methylnaphthalene	x	0.670	0.340	0.335	0.335	3.700	1.400	1.400	15.000	2.900	1.500		0.335	0.335	1.200	1.200	1.100	2.220	15.000	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.980	0.510	0.820	3.500	2.200	1.700	8.600	2.500	1.600		0.335	0.630	1.000	0.860	1.000	1.874	8.600	0.335	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylantracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	2.157	0.700	1.400	6.600	2.800	3.000	28.000	5.500	2.900		1.000	1.000	2.600	2.700	2.200	4.468	28.000	0.700	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.330	0.165		0.165	0.165	0.165	0.165	0.165	0.189	0.335	0.165	x
Acenaphthene	x	0.330	0.523	0.700	0.820	1.000	1.800	1.700	3.300	1.400	1.500		0.810	1.800	1.900	3.100	3.500	1.704	3.500	0.523	x
Acenaphthylene	x	0.330	0.654	0.165	0.570	1.800	2.400	1.700	9.800	0.910	1.100		0.370	0.165	0.310	0.370	0.165	1.463	9.800	0.165	x
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.390	0.390	0.770	0.165	0.450		0.165	0.165	0.165	0.165	0.165	0.261	0.770	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330		<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.440	0.165	0.165	0.600	0.700	0.165	0.165		0.165	0.560	0.165	0.165	0.165	0.282	0.700	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.440	0.165	0.390	0.380	0.600	0.165	0.165		0.165	0.400	0.165	0.165	0.165	0.264	0.600	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.670	1.634	0.335	1.100	2.500	2.100	2.300	5.900	1.800	1.700		0.690	0.840	1.200	1.100	1.100	1.736	5.900	0.335	x
Chrysene	x	0.330	0.165	0.165	0.380	0.165	0.165	0.330	0.720	0.165	0.165		0.165	0.400	0.165	0.165	0.165	0.249	0.720	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.177	0.335	0.165	x
Fluoranthene	x	0.330	0.850	0.820	1.500	0.570	1.700	1.600	2.000	0.840	1.300		0.870	2.200	0.560	1.100	2.000	1.279	2.200	0.560	x
Fluorene	x	0.330	1.569	1.900	2.300	1.300	3.200	2.100	3.500	1.800	1.700		1.600	4.400	1.600	2.900	6.100	2.569	6.100	1.300	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.330	0.165	0.390	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.193	0.390	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Naphthalene	22500	0.670	2.614	1.300	1.600	6.100	2.700	3.800	38.000	5.000	4.000		1.400	1.900	3.900	1.700	2.200	5.444	38.000	1.300	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Phenanthrene	x	0.330	3.399	3.200	4.200	2.600	6.300	4.900	7.000	3.300	4.500		3.400	8.300	2.700	4.700	9.900	4.886	9.900	2.600	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Pyrene	x	0.330	0.458	0.570	1.300	0.570	1.200	1.500	2.000	0.650	1.000		0.870	1.500	0.440	0.680	0.950	0.978	2.000	0.440	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	1.70	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.73	1.70	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	1.700	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.433	1.700	0.335	x
Dibenzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x

**Note 1:** All non detectable results were reported as ½ the detection limit.

**Note 2:** At the time of the AAQMRP, the criterion for Benzo(a)pyrene (B(a)P) was 1.1 ng/m<sup>3</sup>. This limit was revised to 0.05 ng/m<sup>3</sup> in July 2011. Current analytical methods are not able to detect below 0.05 ng/m<sup>3</sup> and B(a)P is reported as below the detection limit. Metrolinx is working with the MOE to resolve this issue.

**Note 3:** Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample. Therefore the reported ½ RDL values, for example the reported value may be above or below RDL indicated in the RDL column. Note all data presented is actual data as reported from the laboratory and modified to meet the MOE ½ detection limit reporting requirement.

**Station** : 35021 **Sample Matrix** : Teflon Coated Filter  
**Location** : Weston Road, Toronto **Method** : IO-3.1  
**Reporting Period** : 01 January, 2013 to 31 March, 2013 **Valid Samples - Number / %** : 15 / 100%

Parameter	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
Name		Mercury	Arsenic	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Vanadium	Zinc
Units	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
AAQC	120	2	0.3	0.025	0.5	0.1	50	0.5	0.4	0.2	10	2	120
RDL	3	0.00001	0.0037	0.0012	0.0012	0.0012	0.0012	0.0018	0.00061	0.0018	0.0061	0.0012	0.0031

Date	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
04-Jan-13	39	0.000005	0.00185	0.0006	0.0322	0.0006	0.0127	0.0061	0.0264	0.0046	0.00305	0.0158	0.1450
10-Jan-13	38	0.000010	0.00185	0.0006	0.0332	0.0006	0.0165	0.0083	0.0367	0.0053	0.00305	0.0163	0.1420
16-Jan-13	70	0.000040	0.00400	0.0006	0.0363	0.0013	0.0253	0.0122	0.0588	0.0062	0.00305	0.0175	0.2040
22-Jan-13	37	0.000010	0.00185	0.0006	0.0330	0.0006	0.0131	0.0075	0.0255	0.0054	0.00305	0.0163	0.1560
28-Jan-13	28	0.000010	0.00185	0.0006	0.0315	0.0006	0.0128	0.0110	0.0196	0.0046	0.00305	0.0158	0.1420
03-Feb-13	70	0.000030	0.00185	0.0006	0.0313	0.0006	0.0131	0.0065	0.0357	0.0049	0.00305	0.0165	0.1480
09-Feb-13	41	0.000010	0.00185	0.0006	0.0332	0.0006	0.0241	0.0071	0.0216	0.0045	0.00305	0.0157	0.1350
15-Feb-13	40	0.000005	0.00185	0.0006	0.0339	0.0006	0.0131	0.0063	0.0298	0.0048	0.00305	0.0169	0.1660
21-Feb-13	87	0.000005	0.00185	0.0006	0.0332	0.0012	0.0191	0.0073	0.0446	0.0056	0.00305	0.0165	0.1610
27-Feb-13	25	0.000005	0.00185	0.0006	0.0290	0.0006	0.0076	0.0052	0.0192	0.0041	0.00305	0.0138	0.1240
05-Mar-13	61	0.000020	0.00400	0.0006	0.0353	0.0015	0.0213	0.0089	0.0467	0.0064	0.00305	0.0182	0.1700
11-Mar-13	37	0.000020	0.00470	0.0006	0.0361	0.0015	0.0216	0.0120	0.0375	0.0059	0.00305	0.0183	0.1720
17-Mar-13	73	0.000005	0.00420	0.0006	0.0349	0.0019	0.0159	0.0101	0.0494	0.0071	0.00305	0.0191	0.2050
23-Mar-13	61	0.000005	0.00460	0.0006	0.0368	0.0015	0.0197	0.0066	0.0466	0.0065	0.00305	0.0186	0.1910
29-Mar-13	39	0.000010	0.00390	0.0006	0.0323	0.0006	0.0149	0.0061	0.0349	0.0054	0.00305	0.0172	0.1840
Ave	50	0.000013	0.00280	0.0006	0.0335	0.0010	0.0167	0.0081	0.0355	0.0054	0.00305	0.0168	0.1630
Max	87	0.000040	0.00470	0.0006	0.0368	0.0019	0.0253	0.0122	0.0588	0.0071	0.00305	0.0191	0.2050
Min	25	0.000005	0.00185	0.0006	0.0290	0.0006	0.0076	0.0052	0.0192	0.0041	0.00305	0.0138	0.1240
No. > AAQC	0	0	0	0	0	0	0	0	0	0	0	0	0

**Note 1:** All non detectable results are reported as ½ the detection limit.

**Note 2:** Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample.

Therefore the reported ½ RDL values will be affected, for example the reported value may be above or below RDL indicated in the RDL column.

Note all data presented is actual data as reported from the laboratory and modified to meet the MOE ½ detection limit reporting requirement.

Station : 35021  
 Location : Weston Road, Toronto  
 Reporting Period : 01 January, 2013 to 31 March, 2013  
 Sample Matrix : SUMMA Canisters  
 Method : GC/MS (TO15A)  
 Valid Samples - No. / % : 15 / 100%

Parameter	AAQC	RDL																Ave	Max	Min	Samples	
	24 Hr		04-Jan-13	10-Jan-13	16-Jan-13	22-Jan-13	28-Jan-13	03-Feb-13	09-Feb-13	15-Feb-13	21-Feb-13	27-Feb-13	05-Mar-13	11-Mar-13	17-Mar-13	23-Mar-13	29-Mar-13		$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	No.
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$																$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$		
2,2,4-Trimethylpentane	x	0.934	0.467	0.467	0.467	0.467	0.467	0.467	1.480	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.535	1.480	0.467	x
Carbon Disulfide	330	1.56	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0
Propene	4000	0.516	0.258	0.945	2.160	1.400	2.150	1.290	2.150	0.258	0.258	0.258	1.035	1.465	0.600	0.258	0.258	0.258	0.983	2.160	0.258	0
Vinyl Acetate	x	0.704	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	x
Dichlorodifluoromethane	500000	0.989	3.3200	3.6400	3.6400	3.8100	3.8500	4.1000	3.6900	3.1200	3.3500	3.4300	2.8700	3.0000	2.8700	3.9700	3.9700	3.5087	4.1000	2.8700	0	
Vinyl Chloride	1	0.051	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0
1,2-Dichlorotetrafluoroethane	700000	1.19	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0
1,3-Butadiene	10	0.11	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0
Chloromethane	320	0.620	1.060	1.670	1.410	1.310	1.570	1.440	1.630	1.440	1.470	1.580	1.700	1.660	1.650	1.350	1.190	1.475	1.700	1.060	0	
Trichlorotrifluoroethane	800000	0.38	0.81	0.80	0.92	0.79	1.00	0.97	1.10	0.90	0.87	0.89	0.69	0.71	0.71	0.74	0.75	0.84	1.10	0.69	0	
Vinyl Bromide	x	0.22	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	x
Chloroethane	5600	0.792	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0
Chloroform	1	0.24	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0
1,2-Dichloroethane	2	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0
Carbon Tetrachloride	2.4	0.31	0.510	0.640	0.570	0.610	0.780	0.740	0.760	0.740	0.730	0.740	0.660	0.680	0.680	0.660	0.630	0.675	0.780	0.510	0	
Trichlorofluoromethane	6000	1.12	1.43	1.72	1.67	1.58	1.77	1.73	1.74	1.77	1.92	1.95	1.59	1.51	1.59	1.94	1.96	1.72	1.96	1.43	0	
Benzene	2.3	0.16	1.00	1.00	1.20	0.96	1.90	1.20	4.40	0.84	0.83	0.98	0.76	1.20	0.61	0.69	0.70	1.22	4.40	0.61	1	
Ethanol	19000	4.33	5.120	9.650	13.400	5.000	12.200	10.800	28.400	6.450	6.630	7.240	8.370	15.600	5.670	6.280	12.300	10.207	28.400	5.000	0	
Trichloroethylene	12	0.27	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0
2-propanol	7300	7.37	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	0
Bromodichloromethane	x	0.34	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	x
2-Propanone	11880	1.90	4.65	5.11	13.80	4.93	12.30	5.42	13.90	3.25	11.40	5.96	7.86	8.72	4.22	5.49	6.27	7.55	13.90	3.25	0	
cis-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	x
Methyl Ethyl Ketone	1000	8.85	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	0
trans-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	x
1,1,2-Trichloroethane	x	0.22	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	x
Methyl Isobutyl Ketone	1200	13.1	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	0
Dibromochloromethane	x	0.43	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	x
Methyl Butyl Ketone	x	8.19	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	x
Ethylene Dibromide	3	0.38	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0
Methyl t-butyl ether (MTBE)	7000	0.721	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0
1,1,2,2-Tetrachloroethane	x	0.34	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	x
Ethyl Acetate	x	7.93	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	x
1,1-Dichloroethylene	10	0.991	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0
Benzyl chloride	x	0.26	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	x
cis-1,2-Dichloroethylene	105	0.753	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0
Hexachlorobutadiene	x	0.53	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	x
trans-1,2-Dichloroethylene	105	0.793	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0
Methylene Chloride	220	2.78	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	0
1,1-Dichloroethane	165	0.809	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0
1,1,1-Trichloroethane	115000	1.64	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0
1,2-Dichloropropane	2400	1.85	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0
Bromomethane	1350	0.699	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0
Bromoform	55	2.07	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	0
Heptane	11000	1.23	0.615	0.615	0.615	0.615	1.260	0.615	4.780	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	4.780	0.615	0
Tetrachloroethylene	360	1.36	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0
Toluene	2000	0.753	1.00	2.53	3.08	1.68	5.															

**Station** : 35021  
**Location** : Weston Road, Toronto  
**Reporting Period** : 01 January, 2013 to 31 March, 2013

**Sample Matrix** : PUF Cartridge  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 14 / 93.3%

Parameter	AAQC 24 Hr	RDL	04-Jan-13	10-Jan-13	16-Jan-13	22-Jan-13	28-Jan-13	03-Feb-13	09-Feb-13	15-Feb-13	21-Feb-13	27-Feb-13	05-Mar-13	11-Mar-13	17-Mar-13	23-Mar-13	29-Mar-13	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>	ng/m <sup>3</sup>																ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.
1,2-Dimethylnaphthalene	x	0.670	0.920	0.700	0.335	1.100	1.600	0.970	2.400	1.600	0.900	0.760	0.790	0.810	0.680	0.680		1.018	2.400	0.335	x
1-Methylnaphthalene	x	0.670	1.705	0.820	0.700	3.900	2.000	1.900	16.000	2.600	1.400	1.200	0.335	1.900	0.880	1.600		2.639	16.000	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.335	1.100	0.950	3.100	5.000	2.300	9.800	3.600	1.400	1.300	0.730	1.300	1.100	1.300		2.380	9.800	0.335	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylantracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	3.016	1.500	1.500	7.200	3.700	4.000	31.000	4.700	2.800	2.500	1.100	3.700	1.800	2.900		5.101	31.000	1.100	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.330	0.335	0.165	0.165	0.165	0.330	0.165	0.165	0.165	0.165	0.165	0.400	0.165	0.165	0.165		0.206	0.400	0.165	x
Acenaphthene	x	0.330	0.165	3.800	0.820	0.820	2.100	1.700	2.700	3.600	2.500	4.700	2.200	4.800	2.300	3.600		2.558	4.800	0.165	x
Acenaphthylene	x	0.330	0.852	0.630	0.950	1.600	2.900	1.200	7.200	1.200	0.970	0.530	0.400	0.340	0.165	0.470		1.386	7.200	0.165	x
Anthracene	x	0.330	0.165	0.165	0.440	0.165	0.460	0.165	0.650	0.320	0.330	0.165	0.165	0.165	0.165	8.800		0.880	8.800	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330		<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Biphenyl	x	0.670	1.705	1.200	1.100	2.300	2.800	2.300	5.600	2.500	1.300	1.500	0.930	1.500	0.810	1.300		1.917	5.600	0.810	x
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.177	0.335	0.165	x
Fluoranthene	x	0.330	0.918	0.820	1.500	0.510	1.800	0.840	0.910	0.780	1.200	1.100	2.800	0.670	0.750	1.400		1.143	2.800	0.510	x
Fluorene	x	0.330	1.639	3.000	2.800	1.100	3.500	1.600	3.000	2.500	3.700	4.300	8.700	3.300	2.600	4.900		3.331	8.700	1.100	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Naphthalene	22500	0.670	2.295	1.700	1.600	7.400	2.700	4.100	29.000	4.900	3.400	2.600	1.300	5.000	1.600	3.400		5.071	29.000	1.300	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Phenanthrene	x	0.330	3.344	4.300	5.400	2.500	6.900	3.300	5.300	4.200	5.900	6.800	17.000	5.200	4.200	8.600		5.925	17.000	2.500	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Pyrene	x	0.330	0.590	0.630	1.400	0.510	1.400	0.840	0.840	0.710	0.780	0.790	1.700	0.400	0.540	0.810		0.853	1.700	0.400	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.425	1.600	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x

**Note 1:** All non detectable results were reported as ½ the detection limit.

**Note 2:** At the time of the AAQMRP, the criterion for Benzo(a)pyrene (B(a)P) was 1.1 ng/m<sup>3</sup>. This limit was revised to 0.05 ng/m<sup>3</sup> in July 2011. Current analytical methods are not able to detect below 0.05 ng/m<sup>3</sup> and B(a)P is reported as below the detection limit. Metrolinx is working with the MOE to resolve this issue.

**Note 3:** Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample. Therefore the reported ½ RDL values, for example the reported value may be above or below RDL indicated in the RDL column. Note all data presented is actual data as reported from the laboratory and modified to meet the MOE ½ detection limit reporting requirement.

<b>Station</b>	: 35021	<b>Sample Matrix</b>	: 102mm GF Filter
<b>Location</b>	: Weston Road, Toronto	<b>Method</b>	: GC/MS (TO13)
<b>Reporting Period</b>	: 01 January, 2013 to 31 March, 2013	<b>Valid Samples - No. / %</b>	: 14 / 93.3%

Parameter	AAQC 24 Hr	RDL	04-Jan-13	10-Jan-13	16-Jan-13	22-Jan-13	28-Jan-13	03-Feb-13	09-Feb-13	15-Feb-13	21-Feb-13	27-Feb-13	05-Mar-13	11-Mar-13	17-Mar-13	23-Mar-13	29-Mar-13	Ave	Max	Min	Samples > AAQC	
	ng/m <sup>3</sup>	ng/m <sup>3</sup>															ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.		
1,2-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.359	0.670	0.335	x	
1-Methylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.335	0.335	0.335	0.335	0.335	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.165	0.165	0.165	0.274	0.335	0.165	x	
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylantracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.177	0.335	0.165	x	
Acenaphthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Acenaphthylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.510	0.165	0.330	0.330	0.600	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.263	0.600	0.165	x	
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.440	0.165	0.165	0.165	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.220	0.500	0.165	x	
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Chrysene	x	0.330	0.165	0.165	0.380	0.165	0.165	0.165	0.330	0.660	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.240	0.660	0.165	x	
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.177	0.335	0.165	x	
Fluoranthene	x	0.330	0.165	0.165	0.380	0.165	0.165	0.165	0.330	0.450	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.225	0.450	0.165	x	
Fluorene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Naphthalene	22500	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Phenanthrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.185	0.450	0.165	x	
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x

Sample Invalid - Motor Failure

**Note 1:** All non detectable results were reported as ½ the detection limit.

**Note 2:** At the time of the AAQMRP, the criterion for Benzo(a)pyrene (B(a)P) was 1.1 ng/m<sup>3</sup>. This limit was revised to 0.05 ng/m<sup>3</sup> in July 2011. Current analytical methods are not able to detect below 0.05 ng/m<sup>3</sup> and B(a)P is reported as below the detection limit. Metrolinx is working with the MOE to resolve this issue.

**Note 3:** Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample. Therefore the reported ½ RDL values, for example the reported value may be above or below RDL indicated in the RDL column. Note all data presented is actual data as reported from the laboratory and modified to meet the MOE ½ detection limit reporting requirement.

**Station** : 35021  
**Location** : Weston Road, Toronto  
**Reporting Period** : 01 January, 2013 to 31 March, 2013

**Sample Matrix** : PUF + Filter  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 14 / 93.3%

Parameter	AAQC 24 Hr	RDL	04-Jan-13	10-Jan-13	16-Jan-13	22-Jan-13	28-Jan-13	03-Feb-13	09-Feb-13	15-Feb-13	21-Feb-13	27-Feb-13	05-Mar-13	11-Mar-13	17-Mar-13	23-Mar-13	29-Mar-13	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>	ng/m <sup>3</sup>															ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.	
1,2-Dimethylnaphthalene	x	0.670	0.920	0.700	0.335	1.100	1.600	0.970	2.400		2.300	0.900	0.760	0.790	0.810	0.680	0.680	1.068	2.400	0.335	x
1-Methylnaphthalene	x	0.670	1.705	0.820	0.700	3.900	2.000	1.900	16.000		2.600	1.400	1.200	0.335	1.900	0.880	1.600	2.639	16.000	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.335	1.100	0.950	3.100	5.000	2.300	9.800		3.600	1.400	1.300	0.730	1.300	1.100	1.300	2.380	9.800	0.335	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylantracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	3.016	1.500	1.500	7.200	3.700	4.000	31.000		4.700	2.800	2.500	1.100	3.700	1.800	2.900	5.101	31.000	1.100	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.330	0.335	0.165	0.165	0.165	0.330	0.165	0.165		0.165	0.165	0.165	0.400	0.165	0.165	0.165	0.206	0.400	0.165	x
Acenaphthene	x	0.330	0.165	3.800	0.820	0.820	2.100	1.700	2.700		3.600	2.500	4.700	2.200	4.800	2.300	3.600	2.558	4.800	0.165	x
Acenaphthylene	x	0.330	0.852	0.630	0.950	1.600	2.900	1.200	7.200		1.200	0.970	0.530	0.400	0.340	0.165	0.470	1.386	7.200	0.165	x
Anthracene	x	0.330	0.165	0.165	0.440	0.165	0.460	0.165	0.650		0.320	0.330	0.165	0.165	0.165	0.165	8.800	0.880	8.800	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330		<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.510	0.165	0.330	0.330	0.600		0.165	0.165	0.165	0.420	0.165	0.165	0.165	0.263	0.600	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.440	0.165	0.165	0.165	0.330		0.165	0.165	0.165	0.500	0.165	0.165	0.165	0.220	0.500	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.670	1.705	1.200	1.100	2.300	2.800	2.300	5.600		2.500	1.300	1.500	0.930	1.500	0.810	1.300	1.917	5.600	0.810	x
Chrysene	x	0.330	0.165	0.165	0.380	0.165	0.165	0.330	0.660		0.165	0.165	0.165	0.340	0.165	0.165	0.165	0.240	0.660	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.177	0.335	0.165	x
Fluoranthene	x	0.330	0.918	0.820	1.900	0.510	1.800	1.200	1.400		0.780	1.200	1.100	3.100	0.670	0.750	1.400	1.253	3.100	0.510	x
Fluorene	x	0.330	1.639	3.000	2.800	1.100	3.500	1.600	3.000		2.500	3.700	4.300	8.700	3.300	2.600	4.900	3.331	8.700	1.100	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Naphthalene	22500	0.670	2.295	1.700	1.600	7.400	2.700	4.100	29.000		4.900	3.400	2.600	1.300	5.000	1.600	3.400	5.071	29.000	1.300	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Phenanthrene	x	0.330	3.344	4.300	5.400	2.500	6.900	3.300	5.300		4.200	5.900	6.800	17.000	5.200	4.200	8.600	5.925	17.000	2.500	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Pyrene	x	0.330	0.590	0.630	1.400	0.510	1.400	0.840	1.300		0.710	0.780	0.790	1.700	0.400	0.540	0.810	0.886	1.700	0.400	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	1.600		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.425	1.600	0.335	x
Dibenzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x

Sample Invalid - Motor Failure

**Note 1:** All non detectable results were reported as ½ the detection limit.  
**Note 2:** At the time of the AAQMRP, the criterion for Benzo(a)pyrene (B(a)P) was 1.1 ng/m<sup>3</sup>. This limit was revised to 0.05 ng/m<sup>3</sup> in July 2011. Current analytical methods are not able to detect below 0.05 ng/m<sup>3</sup> and B(a)P is reported as below the detection limit. Metrolinx is working with the MOE to resolve this issue.  
**Note 3:** Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample. Therefore the reported ½ RDL values, for example the reported value may be above or below RDL indicated in the RDL column. Note all data presented is actual data as reported from the laboratory and modified to meet the MOE ½ detection limit reporting requirement.



**Station** : 35022 **Sample Matrix** : Teflon Coated Filter  
**Location** : Strachan Avenue, Toronto **Method** : IO-3.1  
**Reporting Period** : 01 January, 2013 to 31 March, 2013 **Valid Samples - Number / %** : 15 / 100%

Parameter	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
Name		Mercury	Arsenic	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Vanadium	Zinc
Units	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
AAQC	120	2	0.3	0.025	0.5	0.1	50	0.5	0.4	0.2	10	2	120
RDL	3	0.00001	0.0037	0.0012	0.0012	0.0012	0.0012	0.0018	0.00061	0.0018	0.0061	0.0012	0.0031

Date	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
04-Jan-13	48	0.000010	0.00185	0.0006	0.0332	0.0006	0.0156	0.0069	0.0301	0.0051	0.00305	0.0164	0.1560
10-Jan-13	43	0.000010	0.00185	0.0006	0.0349	0.0006	0.0222	0.0087	0.0384	0.0058	0.00305	0.0163	0.2220
16-Jan-13	79	0.000040	0.00185	0.0006	0.0357	0.0014	0.0255	0.0134	0.0599	0.0059	0.00305	0.0177	0.1870
22-Jan-13	40	0.000010	0.00185	0.0006	0.0294	0.0006	0.0134	0.0089	0.0282	0.0052	0.00305	0.0148	0.1670
28-Jan-13	38	0.000020	0.00185	0.0006	0.0331	0.0006	0.0175	0.0088	0.0427	0.0064	0.00305	0.0162	0.1320
03-Feb-13	61	0.000030	0.00185	0.0006	0.0326	0.0017	0.0176	0.0093	0.0320	0.0062	0.00305	0.0166	0.1360
09-Feb-13	30	0.000010	0.00185	0.0006	0.0309	0.0006	0.0139	0.0072	0.0163	0.0044	0.00305	0.0160	0.1810
15-Feb-13	33	0.000005	0.00185	0.0006	0.0287	0.0006	0.0118	0.0065	0.0226	0.0043	0.00305	0.0147	0.1630
21-Feb-13	63	0.000010	0.00185	0.0006	0.0314	0.0006	0.0129	0.0077	0.0333	0.0055	0.00305	0.0157	0.1330
27-Feb-13	16	0.000005	0.00185	0.0006	0.0312	0.0006	0.0094	0.0061	0.0196	0.0042	0.00305	0.0158	0.2400
05-Mar-13	37	0.000020	0.00390	0.0006	0.0337	0.0014	0.0141	0.0087	0.0326	0.0059	0.00305	0.0172	0.1580
11-Mar-13	35	0.000020	0.00440	0.0006	0.0359	0.0014	0.0187	0.0090	0.0327	0.0056	0.00305	0.0179	0.1640
17-Mar-13	39	0.000005	0.00185	0.0006	0.0348	0.0015	0.0422	0.0088	0.0298	0.0060	0.00305	0.0187	0.2600
23-Mar-13	26	0.000005	0.00185	0.0006	0.0337	0.0014	0.0384	0.0059	0.0232	0.0060	0.00305	0.0170	0.1830
29-Mar-13	26	0.000005	0.00185	0.0006	0.0350	0.0006	0.0670	0.0069	0.0238	0.0058	0.00305	0.0176	0.1820
Ave	41	0.000014	0.00216	0.0006	0.0329	0.0009	0.0227	0.0082	0.0310	0.0055	0.00305	0.0166	0.1776
Max	79	0.000040	0.00440	0.0006	0.0359	0.0017	0.0670	0.0134	0.0599	0.0064	0.00305	0.0187	0.2600
Min	16	0.000005	0.00185	0.0006	0.0287	0.0006	0.0094	0.0059	0.0163	0.0042	0.00305	0.0147	0.1320
No. > AAQC	0	0	0	0	0	0	0	0	0	0	0	0	0

**Note 1:** All non detectable results are reported as ½ the detection limit.

**Note 2:** Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample.

Therefore the reported ½ RDL values will be affected, for example the reported value may be above or below RDL indicated in the RDL column.

Note all data presented is actual data as reported from the laboratory and modified to meet the MOE ½ detection limit reporting requirement.

Station : 35022  
 Location : Strachan Avenue, Toronto  
 Reporting Period : 01 January, 2013 to 31 March, 2013  
 Sample Matrix : SUMMA Canisters  
 Method : GC/MS (TO15A)  
 Valid Samples - No. / % : 15 / 100%

Parameter	AAQC	RDL																Ave	Max	Min	Samples		
	24 Hr		04-Jan-13	10-Jan-13	16-Jan-13	22-Jan-13	28-Jan-13	03-Feb-13	09-Feb-13	15-Feb-13	21-Feb-13	27-Feb-13	05-Mar-13	11-Mar-13	17-Mar-13	23-Mar-13	29-Mar-13		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	No.	
	µg/m <sup>3</sup>	µg/m <sup>3</sup>																µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	No.		
2,2,4-Trimethylpentane	x	0.934	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	x
Carbon Disulfide	330	1.56	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0
Propene	4000	0.516	0.258	0.860	2.110	0.860	1.465	0.860	0.945	0.258	0.258	0.258	0.945	1.720	0.600	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0
Vinyl Acetate	x	0.704	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	x
Dichlorodifluoromethane	500000	0.989	3.03	3.9100	3.4100	3.7600	4.0200	3.9800	3.4900	3.4800	3.3900	3.5800	2.8500	2.8600	2.8700	3.8400	3.8200		3.4860	4.0200	2.8500	0	
Vinyl Chloride	1	0.051	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0
1,2-Dichlorotetrafluoroethane	700000	1.19	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0
1,3-Butadiene	10	0.11	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0
Chloromethane	320	0.620	1.300	1.500	1.360	1.340	1.430	1.450	1.380	1.610	1.600	1.640	1.680	1.650	1.720	1.290	1.280		1.482	1.720	1.280	0	
Trichlorotrifluoroethane	800000	0.28	0.83	0.78	0.79	0.80	0.99	0.97	0.92	0.90	0.92	0.89	0.69	0.82	0.70	0.81	0.72		0.83	0.99	0.69	0	
Vinyl Bromide	x	0.22	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	x
Chloroethane	5600	0.792	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0
Chloroform	1	0.24	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0
1,2-Dichloroethane	2	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0
Carbon Tetrachloride	2.4	0.31	0.480	0.600	0.600	0.600	0.760	0.790	0.790	0.710	0.720	0.730	0.690	0.740	0.660	0.740	0.670		0.685	0.790	0.480	0	
Trichlorofluoromethane	6000	1.12	1.45	1.49	1.60	1.68	1.68	1.67	1.52	2.05	1.97	2.03	1.54	1.59	1.54	2.06	2.02		1.73	2.06	1.45	0	
Benzene	2.3	0.16	0.91	0.75	1.10	0.88	1.40	0.98	1.20	1.20	0.74	0.80	0.73	1.00	0.59	0.60	0.62		0.90	1.40	0.59	0	
Ethanol	19000	4.33	2.165	8.040	11.700	4.790	7.410	7.410	10.100	6.230	7.030	6.970	8.530	14.900	8.350	7.030	7.870		7.902	14.900	2.165	0	
Trichloroethylene	12	0.27	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0
2-propanol	7300	7.37	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685		3.685	3.685	3.685	0	
Bromochloromethane	x	0.34	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	x
2-Propanone	11880	1.90	5.37	4.61	11.80	11.10	7.11	8.04	10.20	3.24	4.48	10.30	4.44	10.60	4.66	3.57	3.53		6.17	11.80	3.24	0	
cis-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	x
Methyl Ethyl Ketone	1000	8.85	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425		4.425	4.425	4.425	0	
trans-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	x
1,1,2-Trichloroethane	x	0.22	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	x
Methyl Isobutyl Ketone	1200	13.1	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55		6.55	6.55	6.55	0	
Dibromochloromethane	x	0.43	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	x
Methyl Butyl Ketone	x	8.19	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	x
Ethylene Dibromide	3	0.38	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19		0.19	0.19	0.19	0	
Methyl t-butyl ether (MTBE)	7000	0.721	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0
1,1,2,2-Tetrachloroethane	x	0.34	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	x
Ethyl Acetate	x	7.93	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965		3.965	3.965	3.965	x	
1,1-Dichloroethylene	10	0.991	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0
Benzyl chloride	x	0.26	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	x
cis-1,2-Dichloroethylene	105	0.753	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0
Hexachlorobutadiene	x	0.53	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	x
trans-1,2-Dichloroethylene	105	0.793	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0
Methylene Chloride	220	2.78	1.39	1.39	1.39	3.55	4.00	1.39	1.39	1.39	3.11	4.20	1.39	6.27	3.24	1.39	1.39		2.46	6.27	1.39	0	
1,1-Dichloroethane	165	0.809	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0
1,1,1-Trichloroethane	115000	1.64	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82		0.82	0.82	0.82	0	
1,2-Dichloropropane	2400	1.85	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0
Bromomethane	1350	0.699	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0
Bromoform	55	2.07	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035		1.035	1.035	1.035	0	
Heptane	11000	1.23	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0
Tetrachloroethylene	360	1.36	0.68	0.68	0.68																		

<b>Station</b>	: 35022	<b>Sample Matrix</b>	: PUF Cartridge
<b>Location</b>	: Strachan Avenue, Toronto	<b>Method</b>	: GC/MS (TO13)
<b>Reporting Period</b>	: 01 January, 2013 to 31 March, 2013	<b>Valid Samples - No. / %</b>	: 15 / 100%

Parameter	AAQC 24 Hr	RDL	04-Jan-13	10-Jan-13	16-Jan-13	22-Jan-13	28-Jan-13	03-Feb-13	09-Feb-13	15-Feb-13	21-Feb-13	27-Feb-13	05-Mar-13	11-Mar-13	17-Mar-13	23-Mar-13	29-Mar-13	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>	ng/m <sup>3</sup>																ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.
1,2-Dimethylnaphthalene	x	0.670	0.790	0.700	0.700	1.800	0.910	0.840	1.600	1.200	1.500	0.800	1.000	0.780	0.780	0.780	0.335	0.968	1.800	0.335	x
1-Methylnaphthalene	x	0.670	0.927	0.335	0.760	5.000	1.400	1.800	6.000	2.300	2.300	0.800	1.400	0.335	1.400	1.400	0.760	1.794	6.000	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.710	0.335	0.335	0.335	0.360	0.710	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	1.060	0.950	1.100	6.500	2.100	1.800	6.200	3.000	4.000	1.100	2.500	0.970	1.900	1.600	0.950	2.382	6.500	0.950	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylantracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	1.854	1.300	1.600	8.600	2.600	3.700	11.000	4.200	4.300	1.500	2.600	1.100	2.500	2.700	1.600	3.410	11.000	1.100	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.650	0.165	0.165	0.165	0.209	0.650	0.165	x
Acenaphthene	x	0.330	1.788	6.300	3.000	2.200	1.900	4.000	1.800	5.100	5.500	4.300	7.200	6.000	7.200	8.100	5.700	4.673	8.100	1.788	x
Acenaphthylene	x	0.330	0.464	0.165	0.440	2.000	1.600	0.900	2.600	0.710	0.670	0.165	0.165	0.165	0.165	0.390	0.165	0.718	2.600	0.165	x
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.450	0.330	0.330	0.165	0.165	0.400	0.165	0.910	0.165	0.165	0.320	0.282	0.910	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.670	1.523	1.100	1.300	3.200	1.800	2.200	3.300	1.800	2.100	1.000	1.800	1.000	1.500	1.400	0.950	1.732	3.300	0.950	x
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.176	0.335	0.165	x
Fluoranthene	x	0.330	1.258	1.300	1.200	0.570	2.100	1.200	0.770	1.100	0.800	1.700	1.200	5.400	1.100	1.800	3.200	1.647	5.400	0.570	x
Fluorene	x	0.330	2.649	5.400	4.000	1.900	3.400	2.600	2.100	3.800	2.700	4.900	6.100	21.000	4.700	7.300	10.000	5.503	21.000	1.900	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Naphthalene	22500	0.670	1.987	1.100	1.700	7.200	2.300	4.400	13.000	3.300	3.900	1.100	1.700	1.200	2.600	2.000	1.500	3.266	13.000	1.100	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Phenanthrene	x	0.330	5.232	7.300	6.000	3.400	7.500	5.200	4.200	5.600	3.900	7.900	8.900	38.000	6.900	11.000	20.000	9.402	38.000	3.400	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Pyrene	x	0.330	0.662	0.700	0.820	0.630	1.300	0.900	0.640	0.710	0.600	0.800	0.840	2.300	0.650	0.910	1.400	0.924	2.300	0.600	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x

**Note 1:** All non detectable results were reported as ½ the detection limit.

**Note 2:** At the time of the AAQMRP, the criterion for Benzo(a)pyrene (B(a)P) was 1.1 ng/m<sup>3</sup>. This limit was revised to 0.05 ng/m<sup>3</sup> in July 2011. Current analytical methods are not able to detect below 0.05 ng/m<sup>3</sup> and B(a)P is reported as below the detection limit. Metrolinx is working with the MOE to resolve this issue.

**Note 3:** Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample. Therefore the reported ½ RDL values, for example the reported value may be above or below RDL indicated in the RDL column. Note all data presented is actual data as reported from the laboratory and modified to meet the MOE ½ detection limit reporting requirement.

**Station** : 35022 **Sample Matrix** : 102mm GF Filter  
**Location** : Strachan Avenue, Toronto **Method** : GC/MS (TO13)  
**Reporting Period** : 01 January, 2013 to 31 March, 2013 **Valid Samples - No. / %** : 15 / 100%

Parameter	AAQC 24 Hr	RDL	04-Jan-13	10-Jan-13	16-Jan-13	22-Jan-13	28-Jan-13	03-Feb-13	09-Feb-13	15-Feb-13	21-Feb-13	27-Feb-13	05-Mar-13	11-Mar-13	17-Mar-13	23-Mar-13	29-Mar-13	Ave	Max	Min	Samples > AAQC	
	ng/m <sup>3</sup>	ng/m <sup>3</sup>																ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.	
1,2-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.670	0.335	0.335	0.335	0.335	0.335	0.357	0.670	0.335	x	
1-Methylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.335	0.335	0.335	0.335	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.165	0.165	0.278	0.335	0.165	x	
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylantracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x	
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x	
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x	
9-Methylphenanthrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.176	0.335	0.165	x	
Acenaphthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Acenaphthylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x	
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.510	0.380	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.420	0.165	0.165	0.165	0.230	0.510	0.165	x	
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.340	0.165	0.165	0.165	0.177	0.340	0.165	x	
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x	
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x	
Dibenzo(a,i)pyrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.176	0.335	0.165	x	
Fluoranthene	x	0.330	0.165	0.165	0.510	0.570	0.165	0.330	0.330	0.165	0.165	0.165	0.340	0.460	0.165	0.165	0.165	0.268	0.570	0.165	x	
Fluorene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Naphthalene	22500	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x	
Phenanthrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Pyrene	x	0.330	0.165	0.165	0.380	0.570	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.340	0.165	0.165	0.165	0.218	0.570	0.165	x	
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x	
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x

**Note 1:** All non detectable results were reported as ½ the detection limit.

**Note 2:** At the time of the AAQMRP, the criterion for Benzo(a)pyrene (B(a)P) was 1.1 ng/m<sup>3</sup>. This limit was revised to 0.05 ng/m<sup>3</sup> in July 2011. Current analytical methods are not able to detect below 0.05 ng/m<sup>3</sup> and B(a)P is reported as below the detection limit. Metrolinx is working with the MOE to resolve this issue.

**Note 3:** Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample. Therefore the reported ½ RDL values, for example the reported value may be above or below RDL indicated in the RDL column. Note all data presented is actual data as reported from the laboratory and modified to meet the MOE ½ detection limit reporting requirement.

<b>Station</b>	: 35022	<b>Sample Matrix</b>	: PUF + Filter
<b>Location</b>	: Strachan Avenue, Toronto	<b>Method</b>	: GC/MS (TO13)
<b>Reporting Period</b>	: 01 January, 2013 to 31 March, 2013	<b>Valid Samples - No. / %</b>	: 15 / 100%

Parameter	AAQC 24 Hr	RDL	04-Jan-13	10-Jan-13	16-Jan-13	22-Jan-13	28-Jan-13	03-Feb-13	09-Feb-13	15-Feb-13	21-Feb-13	27-Feb-13	05-Mar-13	11-Mar-13	17-Mar-13	23-Mar-13	29-Mar-13	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>	ng/m <sup>3</sup>																ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.
1,2-Dimethylnaphthalene	x	0.670	0.790	0.700	0.700	1.800	0.910	0.840	1.600	1.200	1.500	1.500	1.000	0.780	0.780	0.780	0.335	1.014	1.800	0.335	x
1-Methylnaphthalene	x	0.670	0.927	0.335	0.760	5.000	1.400	1.800	6.000	2.300	2.300	0.800	1.400	0.335	1.400	1.400	0.760	1.794	6.000	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.710	0.335	0.335	0.335	0.360	0.710	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	1.060	0.950	1.100	6.500	2.100	1.800	6.200	3.000	4.000	1.100	2.500	0.970	1.900	1.600	0.950	2.382	6.500	0.950	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylantracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	1.854	1.300	1.600	8.600	2.600	3.70	11.000	4.200	4.300	1.500	2.600	1.100	2.50	2.700	1.600	3.410	11.000	1.100	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x
9-Methylphenanthrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.650	0.165	0.165	0.165	0.209	0.650	0.165	x
Acenaphthene	x	0.330	1.788	6.300	3.000	2.200	1.900	4.000	1.800	5.100	5.500	4.300	7.200	6.000	7.200	8.100	5.700	4.673	8.100	1.788	x
Acenaphthylene	x	0.330	0.464	0.165	0.440	2.000	1.600	0.900	2.600	0.710	0.670	0.165	0.165	0.165	0.165	0.390	0.165	0.718	2.600	0.165	x
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.450	0.330	0.330	0.165	0.165	0.400	0.165	0.910	0.165	0.165	0.320	0.282	0.910	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.510	0.380	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.420	0.165	0.165	0.165	0.230	0.510	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.670	1.523	1.100	1.300	3.200	1.800	2.200	3.300	1.800	2.100	1.000	1.800	1.000	1.500	1.400	0.950	1.732	3.300	0.950	x
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x
Dibenzo(a,i)pyrene	x	0.330	0.335	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.176	0.335	0.165	x
Fluoranthene	x	0.330	1.258	1.300	1.700	1.100	2.100	1.500	1.100	1.100	0.800	1.700	1.500	5.900	1.100	1.80	3.20	1.811	5.900	0.800	x
Fluorene	x	0.330	2.649	5.400	4.000	1.900	3.400	2.600	2.100	3.800	2.700	4.900	6.100	21.000	4.700	7.300	10.000	5.503	21.000	1.900	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Naphthalene	22500	0.670	1.987	1.100	1.700	7.200	2.300	4.400	13.000	3.300	3.900	1.100	1.700	1.200	2.600	2.000	1.500	3.266	13.000	1.100	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.650	0.650	0.650	x
Phenanthrene	x	0.330	5.232	7.300	6.000	3.400	7.500	5.200	4.200	5.600	3.900	7.900	8.900	38.000	6.900	11.000	20.000	9.402	38.000	3.400	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Pyrene	x	0.330	0.662	0.700	1.200	1.200	1.300	0.900	0.640	0.710	0.600	0.800	0.840	2.300	0.650	0.910	1.400	0.987	2.300	0.600	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x

**Note 1:** All non detectable results were reported as ½ the detection limit.

**Note 2:** At the time of the AAQMRP, the criterion for Benzo(a)pyrene (B(a)P) was 1.1 ng/m<sup>3</sup>. This limit was revised to 0.05 ng/m<sup>3</sup> in July 2011. Current analytical methods are not able to detect below 0.05 ng/m<sup>3</sup> and B(a)P is reported as below the detection limit. Metrolinx is working with the MOE to resolve this issue.

**Note 3:** Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample. Therefore the reported ½ RDL values, for example the reported value may be above or below RDL indicated in the RDL column. Note all data presented is actual data as reported from the laboratory and modified to meet the MOE ½ detection limit reporting requirement.