



An agency of the Government of Ontario



A Division of METROLINX

**Data Summary**  
**Q4, 2012**

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Item	Term	Description	Units
1)	NO	Nitric Oxide	ppb
2)	NO <sub>2</sub>	Nitrogen Dioxide	ppb
3)	NOX	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)	EST	Eastern Standard Time	
34)	Clock Average	1 Hr Clock Average (i.e. 09:00 to 10:00) 24 Hr Clock Average (i.e. 00:00 to 23:00)	
35)	Running Average	Creating a series of averages of varying subset time frames of the full dataset.	



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**Metrolinx Air Monitoring Network  
Statistics 2012**

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/m³	µg/m³	ppb	ppb	ppb	µg/m³	ppm	ppb	ppb	%	%	%	%	%
35020	January	4	0.35	30	0.48	10	0.91	50	11	1.04	53	12	23	1.0	0.20	6	6	17	23	99.9	99.9	99.9	99.9	99.9	99.9
	February	3	0.27	29	0.35	10	0.48	50	11	0.54	50	20	32	0.9	0.19	8	5	17	23	99.9	99.9	99.9	99.9	99.9	99.9
	March	3	0.47	38	0.82	16	1.95	59	21	3.29	62	24	52	0.8	0.20	8	9	17	26	99.7	99.7	99.9	99.9	99.9	99.9
	April	3	0.30	33	0.49	9	0.80	65	12	0.81	70	14	33	0.7	0.16	5	5	15	20	100.0	100.0	100.0	100.0	100.0	100.0
	May	3	0.44	28	0.82	14	0.98	48	16	1.33	49	20	45	0.4	0.15	10	6	16	22	100.0	98.3	99.9	100.0	100.0	100.0
	June	3	0.16	27	0.22	14	0.28	47	17	0.30	49	23	35	0.6	0.07	9	3	12	15	99.9	99.9	100.0	100.0	100.0	100.0
	July	3	0.09	21	0.17	13	0.29	46	15	0.32	49	22	54	0.6	0.06	10	3	12	15	99.7	99.7	99.7	99.7	99.7	99.7
	August	3	0.11	27	0.17	11	0.29	52	13	0.28	56	21	44	0.9	0.07	10	5	13	19	100.0	100.0	100.0	100.0	100.0	100.0
	September	3	0.28	30	0.46	23	0.81	44	26	0.91	47	18	34	0.9	0.14	8	8	14	22	99.9	99.7	99.9	99.9	99.9	99.9
	October	2	0.38	29	0.68	6	0.95	43	6	1.00	45	18	28	0.6	0.16	7	7	14	21	100.0	99.9	100.0	100.0	100.0	100.0
	November	2	0.59	39	0.85	9	1.21	59	9	1.24	63	35	53	0.6	0.24	14	18	19	38	99.7	99.7	99.7	99.7	99.7	99.7
	December	5	0.43	36	0.55	10	1.24	53	11	1.43	53	26	39	0.8	0.21	10	12	19	31	100.0	99.9	100.0	100.0	100.0	100.0
	<b>Q1 Arithmetic Mean</b>													0.9	0.19	7	7	17	24	99.8	99.8	99.9	99.9	99.9	99.9
	<b>Q2 Arithmetic Mean</b>													0.6	0.13	8	5	14	19	100.0	99.4	100.0	100.0	100.0	100.0
	<b>Q3 Arithmetic Mean</b>													0.8	0.09	9	6	13	19	99.9	99.8	99.9	99.9	99.9	99.9
	<b>Q4 Arithmetic Mean</b>													0.7	0.20	10	13	17	30	99.9	99.8	99.9	99.9	99.9	99.9
	<b>Annual Arithmetic Mean</b>													0.7	0.15	9	7	16	23	99.9	99.7	99.9	99.9	99.9	99.9

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.
35020	January	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	February	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
	April	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	June	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	July	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	August	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	September	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	October	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	November	0	0	0	0	0	0	0	0	0	0	8	0	4	4
	December	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	<b>Q1 Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Q2 Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Q3 Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Q4 Total</b>	0	0	0	0	0	0	0	0	0	0	9	0	4	4
	<b>Annual Total</b>	0	0	0	0	0	0	0	0	0	0	9	0	4	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	ppb	ppm	ppm	ppm	ppb	ppb	ppb	µg/m³	ppm	ppb	%	%	%	%	%
35021	January	3	0.53	39	0.52			7	1.09	59	7	1.11	60	14	28	0.7	0.23	6	10	20	30	100.0	99.7	100.0	100.0	100.0	100.0		
	February	2	0.34	32	0.52			6	0.78	51	7	0.81	51	20	31	0.7	0.20	8	8	19	27	100.0	100.0	100.0	100.0	100.0	100.0		
	March	4	0.46	37	0.61			12	1.00	66	13	1.13	66	20	46	0.8	0.19	8	11	18	29	99.7	99.9	99.9	99.9	99.9	99.9		
	April	3	0.31	31	0.48			13	0.75	55	13	0.82	56	16	30	0.8	0.19	6	6	16	23	100.0	99.9	100.0	100.0	100.0	100.0		
	May	4	0.40	31	0.59			10	1.24	54	10	1.63	55	21	104	0.8	0.15	11	8	18	26	99.9	99.9	99.9	99.9	99.9	99.9		
	June	3	0.16	30	0.28			12	0.52	53	14	0.56	54	22	44	0.7	0.08	10	5	14	19	99.4	99.0	99.7	99.4	99.4	99.4		
	July	3	0.21	29	0.26			10	0.51	55	10	0.53	55	19	35	0.8	0.10	10	4	14	18	99.7	99.6	99.5	99.7	99.7	99.7		
	August	4	0.24	28	0.36			10	0.62	50	10	0.63	52	24	42	1.0	0.15	10	7	15	22	100.0	100.0	100.0	100.0	100.0	100.0		
	September	3	0.30	31	0.44			10	0.81	49	11	0.84	51	18	35	0.6	0.17	7	9	16	25	99.6	99.6	99.9	99.4	99.4	99.4		
	October	1	0.39	31	0.60			5	1.24	50	6	1.33	51	17	49	0.3	0.19	8	10	16	27	99.1	99.2	99.3	99.1	99.1	99.1		
	November	4	0.66	39	1.19			9	1.70	52	11	1.81	52	36	56	0.7	0.29	14	23	21	44	99.7	99.7	99.7	99.7	99.7	99.7		
	December	3	0.59	37	0.80			5	1.13	51	6	1.18	52	26	41	0.5	0.26	10	16	19	34	100.0	100.0	100.0	100.0	100.0	100.0		
	Q1 Arithmetic Mean															0.7	0.21	7	10	19	29	99.9	99.9	100.0	100.0	100.0	100.0		
	Q2 Arithmetic Mean															0.8	0.14	9	7	16	23	99.8	99.6	99.9	99.8	99.8	99.8		
	Q3 Arithmetic Mean															0.8	0.14	9	7	15	21	99.8	99.7	99.8	99.7	99.7	99.7		
	Q4 Arithmetic Mean															0.5	0.25	11	16	19	35	99.6	99.6	99.7	99.6	99.6	99.6		
	Annual Arithmetic Mean															0.7	0.18	9	10	17	27	99.8	99.7	99.8	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.
35021	January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	February	0	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	0
	April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	November	0	0	0	0	0	0	0	0	0	0	7	0	0	0	5	5
	December	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	Q1 Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Q2 Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Q3 Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Q4 Total	0	0	0	0	0	0	0	0	0	0	8	0	0	0	5	5
	Annual Total	0	0	0	0	0	0	0	0	0	0	8	0	0	0	5	5

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	25.2	11.4	3.6	0.1	-15.3	-0.7	35.6	100.0	100.0	100.0	99.9	100.0	100.0	100.0	
	February	23.8	11.3	2.0	0.0	-12.0	0.6	16.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	March	25.3	25.2	4.2	0.1	-13.0	7.4	25.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	April	25.3	25.9	2.7	0.2	0.1	8.0	32.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	May	16.6	31.4	9.2	0.0	6.0	17.7	42.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	June	22.9	34.5	8.9	0.2	10.9	21.5	75.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
	July	16.7	36.5	23.2	0.1	16.5	24.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	August	14.5	33.0	5.2	0.0	13.1	22.6	58.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
	September	18.3	29.1	17.2	0.0	6.1	17.5	129.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	October	18.8	24.3	6.0	0.0	0.0	11.2	107.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
	November	21.0	18.6	2.8	0.0	-4.9	4.4	9.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	December	18.7	17.4	4.0	0.1	-7.3	1.9	45.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	<b>Q1 Total</b>							77.1								
	<b>Q2 Total</b>							150.0								
	<b>Q3 Total</b>							286.0								
	<b>Q4 Total</b>							162.0								
	<b>Annual Total</b>							675.1								
	<b>Q1 Arithmetic Mean</b>						2.5		100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	<b>Q2 Arithmetic Mean</b>						15.7		99.9	99.9	99.9	99.9	99.9	99.9	99.9	
	<b>Q3 Arithmetic Mean</b>						21.6		100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	<b>Q4 Arithmetic Mean</b>						5.8		99.7	99.7	99.7	99.7	99.7	99.7	99.7	
	<b>Annual Arithmetic Mean</b>						11.4		99.9	99.9	99.9	99.9	99.9	99.9	99.9	

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/m³	µg/m³	ppb	ppb	ppb	µg/m³	ppm	ppb	%	%	%	%	%	%			
35022	January	2	0.30	30	0.41	6	1.59	78	6	1.69	86	12	34	0.4	0.20	7	11	17	28	82.0	81.2	80.4	81.9	81.9	81.9				
	February	2	0.32	29	0.36	6	0.87	48	8	1.13	50	21	35	0.4	0.22	8	9	17	26	100.0	99.9	100.0	100.0	100.0	100.0				
	March	2	0.44	41	0.54	9	1.02	59	10	1.10	63	28	47	0.4	0.23	9	12	20	32	99.9	100.0	100.0	100.0	100.0	100.0				
	April	2	0.31	33	0.41	7	0.51	51	9	0.53	55	11	30	0.3	0.21	6	6	16	22	99.9	99.9	100.0	99.9	99.9	99.9				
	May	1	0.36	32	0.59	6	0.91	65	6	0.93	67	26	97	0.2	0.22	11	8	19	26	99.9	99.9	99.7	99.9	99.9	99.9				
	June	2	0.30	33	0.45	7	0.62	64	8	0.70	70	22	95	0.4	0.15	10	5	15	21	99.9	100.0	100.0	100.0	100.0	100.0				
	July	2	0.26	25	0.34	11	0.76	50	12	0.85	55	24	56	0.4	0.13	11	5	15	20	99.9	91.1	99.6	99.9	99.9	99.9				
	August	2	0.15	35	0.20	9	0.29	61	13	0.35	63	24	38	0.5	0.09	11	8	18	25	99.7	99.7	99.9	99.7	99.7	99.7				
	September	2	0.29	28	0.38	11	0.92	65	11	0.99	75	20	46	0.3	0.15	8	8	16	24	99.9	99.4	99.9	99.9	99.9	99.9				
	October	1	0.44	30	0.91	6	1.18	48	7	1.20	50	18	37	0.2	0.19	8	10	15	25	99.9	99.9	100.0	99.9	99.9	99.9				
	November	1	0.55	34	0.74	5	1.09	46	6	1.12	47	37	65	0.4	0.24	14	14	19	33	99.7	99.7	99.7	99.7	99.7	99.7				
	December	3	0.45	33	0.52	9	1.23	106	9	1.79	143	22	40	0.4	0.22	10	17	19	36	98.9	98.9	99.2	98.9	98.9	98.9				
	<b>Q1 Arithmetic Mean</b>													0.4	0.22	8	10	18	29	94.0	93.7	93.5	94.0	94.0	94.0				
	<b>Q2 Arithmetic Mean</b>													0.3	0.19	9	6	17	23	99.9	99.9	99.9	99.9	99.9	99.9				
	<b>Q3 Arithmetic Mean</b>													0.4	0.12	10	7	16	23	99.8	96.8	99.8	99.8	99.8	99.8				
	<b>Q4 Arithmetic Mean</b>													0.3	0.21	11	14	18	31	99.5	99.5	99.6	99.5	99.5	99.5				
	<b>Annual Arithmetic Mean</b>													0.4	0.19	9	9	17	26	98.3	97.5	98.2	98.3	98.3	98.3				

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.
35022	January	0	0	0	0	0	0	0	0	0	0	0	0	0	
	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	1	0	0	
	April	0	0	0	0	0	0	0	0	0	0	0	0	0	
	May	0	0	0	0	0	0	0	0	0	0	1	0	0	
	June	0	0	0	0	0	0	0	0	0	0	0	0	0	
	July	0	0	0	0	0	0	0	0	0	0	0	0	0	
	August	0	0	0	0	0	0	0	0	0	0	0	0	0	
	September	0	0	0	0	0	0	0	0	0	0	0	0	0	
	October	0	0	0	0	0	0	0	0	0	0	0	0	0	
	November	0	0	0	0	0	0	0	0	0	0	7	0	3	
	December	0	0	0	0	0	0	0	0	0	0	0	1	0	
	<b>Q1 Total</b>	0	0	0	0	0	0	0	0	0	0	1	0	0	
	<b>Q2 Total</b>	0	0	0	0	0	0	0	0	0	0	1	0	0	
	<b>Q3 Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	
	<b>Q4 Total</b>	0	0	0	0	0	0	0	0	0	0	7	1	3	
	<b>Annual Total</b>	0	0	0	0	0	0	0	0	0	0	9	1	3	

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

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

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

CWS PM2.5 Reference Level	
Period	PM2.5
24 Hr	30

Note : Station 35022 commissioned 06 January, 2012.



**Station** : 35020 **Sample Matrix** : Teflon Coated Filter  
**Location** : Wallace Avenue, Toronto **Method** : IO-3.1  
**Reporting Period** : 01 October, 2012 to 31 December, 2012 **Valid Samples - Number / %** : 13 / 86.7%

Parameter Name	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
		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
06-Oct-12	19	0.000005	0.00185	0.0006	0.0303	0.0006	0.0099	0.0045	0.0222	0.0046	0.00305	0.0155	0.1380
12-Oct-12	27	0.000005	0.00185	0.0006	0.0327	0.0006	0.0212	0.0057	0.0303	0.0053	0.00305	0.0164	0.1840
18-Oct-12	25	0.000010	0.00185	0.0006	0.0338	0.0006	0.0141	0.0076	0.0271	0.0054	0.00305	0.0179	0.1890
24-Oct-12	21	0.000010	0.00185	0.0006	0.0342	0.0006	0.0116	0.0080	0.0196	0.0052	0.00305	0.0172	0.1430
30-Oct-12	6	0.000005	0.00185	0.0006	0.0325	0.0006	0.0155	0.0045	0.0135	0.0048	0.00305	0.0172	0.1430
05-Nov-12	25	0.000005	0.00185	0.0006	0.0293	0.0006	0.0155	0.0062	0.0262	0.0048	0.00305	0.0139	0.1570
11-Nov-12	29	0.000010	0.00410	0.0006	0.0341	0.0006	0.0174	0.0117	0.0303	0.0054	0.00305	0.0175	0.1630
17-Nov-12	60	0.000010	0.00410	0.0006	0.0383	0.0013	0.0542	0.0150	0.0486	0.0070	0.00305	0.0177	0.2270
23-Nov-12	31	0.000010	0.00185	0.0006	0.0355	0.0006	0.0158	0.0101	0.0397	0.0056	0.00305	0.0172	0.1990
29-Nov-12	41	0.000010	0.00185	0.0006	0.0362	0.0006	0.0174	0.0113	0.0357	0.0061	0.00305	0.0174	0.1940
05-Dec-12	23	0.000005	0.00185	0.0006	0.0328	0.0006	0.0145	0.0076	0.0264	0.0057	0.00305	0.0160	0.1740
11-Dec-12	29	0.000005	0.00185	0.0006	0.0309	0.0006	0.0195	0.0126	0.0307	0.0053	0.00305	0.0144	0.1390
17-Dec-12	37	0.000005	0.00185	0.0006	0.0345	0.0006	0.0229	0.0092	0.0372	0.0063	0.00305	0.0167	0.1420
23-Dec-12	24	0.000005	0.00185	0.0006	0.0325	0.0006	0.0095	0.0060	0.0179	0.0046	0.00305	0.0163	0.1490
29-Dec-12	15	0.000005	0.00185	0.0006	0.0334	0.0006	0.0092	0.0057	0.0144	0.0049	0.00305	0.0163	0.1420
Ave	27	0.000007	0.00215	0.0006	0.0334	0.0006	0.0179	0.0084	0.0280	0.0054	0.00305	0.0165	0.1655
Max	60	0.000010	0.00410	0.0006	0.0383	0.0013	0.0542	0.0150	0.0486	0.0070	0.00305	0.0179	0.2270
Min	6	0.000005	0.00185	0.0006	0.0293	0.0006	0.0092	0.0045	0.0135	0.0046	0.00305	0.0139	0.1380
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 October, 2012 to 31 December, 2012

Sample Matrix : SUMMA Canisters  
 Method : GC/MS (TO15A)  
 Valid Samples - No. / % : 15 / 100%

Parameter	AAQC	RDL	06-Oct-12	12-Oct-12	18-Oct-12	24-Oct-12	30-Oct-12	05-Nov-12	11-Nov-12	17-Nov-12	23-Nov-12	29-Nov-12	05-Dec-12	11-Dec-12	17-Dec-12	23-Dec-12	29-Dec-12	Ave	Max	Min	Samples	
	24 Hr																	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	> AAQC 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	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	0.775	1.120	0.258	0.258	0.258	0.945	1.375	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.470	1.375	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	3.51	3.82	2.11	2.26	2.24	4.25	3.89	3.84	3.89	4.11	3.41	3.51	3.65	3.04	3.09	3.37	4.25	2.11	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	1.130	1.140	0.310	0.712	0.873	1.170	1.050	1.040	1.290	1.230	1.040	1.080	1.220	1.170	1.150	1.054	1.290	0.310	0	
Trichlorotrifluoroethane	800000	0.38	0.90	0.99	0.80	0.84	0.84	0.80	0.78	0.86	0.85	0.85	0.83	0.77	0.88	0.84	0.86	0.85	0.99	0.77	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	0.27	0.39	0.12	0.12	0.12	0.12	0.15	0.39	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	0.24	0.10	0.10	0.10	0.10	0.11	0.24	0.10	0	
Carbon Tetrachloride	2.4	0.31	0.830	0.790	0.760	0.740	0.740	0.690	0.760	0.670	0.690	0.730	0.590	0.660	0.600	0.430	0.400	0.67	0.83	0.40	0	
Trichlorofluoromethane	6000	1.12	1.84	1.87	1.31	1.39	1.37	1.47	1.47	1.68	1.41	1.58	2.24	2.21	2.25	1.28	1.30	1.64	2.25	1.28	0	
Benzene	2.3	0.16	0.50	0.83	0.59	1.10	0.47	0.76	1.10	2.80	0.78	1.50	3.20	2.30	2.10	0.81	0.99	1.32	3.20	0.47	2	
Ethanol	19000	4.33	2.165	16.200	8.070	10.200	2.165	10.900	17.700	42.600	7.160	10.500	53.800	2.165	29.400	6.630	8.780	15.229	53.800	2.165	0	
Trichloroethylene	12	0.27	0.530	0.135	0.135	0.135	0.135	0.135	0.135	0.830	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.208	0.830	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	13.50	20.80	5.93	7.50	4.88	9.16	11.40	14.30	10.20	8.28	26.70	12.80	12.30	7.04	7.04	11.44	26.70	4.88	0	
cis-1,2-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	0.8830	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	0.4103	0.8830	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	3.20	4.06	6.64	4.78	1.39	3.55	3.24	1.39	2.53	6.64	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	0.615	0.615	0.615	1.640	0.615	0.615	1.620	0.615	0.615	0.615	0.615	0.750	1.640	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	1.1500	3.1500	0.8600	1.3000	0.3765	2.8000	2.1100	13.1000	1.3900	3.9600	7.1300	3.5500	3.2200	1.0400	1.1200	3.0838	13.1000	0.3765	0	
Ethylbenzene	1000	0.868	0.434																			



**Station** : 35020 **Sample Matrix** : PUF Cartridge  
**Location** : Wallace Avenue, Toronto **Method** : GC/MS (TO13)  
**Reporting Period** : 01 October, 2012 to 31 December, 2012 **Valid Samples - No. / %** : 7 / 46.7%

Parameter	AAQC	RDL	06-Oct-12	12-Oct-12	18-Oct-12	24-Oct-12	30-Oct-12	05-Nov-12	11-Nov-12	17-Nov-12	23-Nov-12	29-Nov-12	05-Dec-12	11-Dec-12	17-Dec-12	23-Dec-12	29-Dec-12	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 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	0.760	0.363	0.760	0.335	x
1-Methylnaphthalene	x	0.670	0.335	4.300	0.335	0.335	0.335	2.800	0.335	1.700	0.335	0.335	2.132	1.083	0.731	0.335	0.240	1.044	4.300	0.240	x
1-Methylphenanthrene	x	0.670	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	0.335	0.335	0.357	0.670	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	3.900	2.800	2.000	0.335	1.020	0.894	3.900	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	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	2.100	7.900	0.460	0.165	0.360	4.800	0.490	2.800	0.530	0.730	3.762	1.847	1.196	0.892	1.465	1.966	7.900	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	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	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.165	0.165	0.400	0.335	0.335	0.317	0.400	0.165	x
Acenaphthene	x	0.330	3.100	4.100	0.620	0.165	0.165	2.000	0.660	2.800	0.800	0.670	1.881	1.783	1.063	1.401	0.828	1.469	4.100	0.165	x
Acenaphthylene	x	0.330	0.165	3.500	0.165	0.165	0.165	1.900	0.165	4.700	0.165	0.330	1.755	2.229	1.728	0.318	0.892	1.223	4.700	0.165	x
Anthracene	x	0.330	0.165	0.620	0.165	0.165	0.165	0.165	0.360	1.200	0.165	0.165	0.165	0.382	0.664	0.165	0.165	0.325	1.200	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	0.330	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.312	0.335	0.165	x
Benzo(k)fluoranthene	x	0.330	0.335	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	0.188	0.335	0.165	x
Biphenyl	x	0.670	0.335	2.600	0.335	0.335	0.335	1.500	0.335	2.300	0.335	0.730	1.379	1.401	0.997	0.764	1.083	0.984	2.600	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	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	0.670	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
Fluoranthene	x	0.330	1.200	1.400	1.400	0.910	0.780	0.670	1.900	2.400	1.200	0.930	0.878	1.083	2.458	0.764	0.955	1.262	2.458	0.670	x
Fluorene	x	0.330	2.200	4.800	2.200	0.970	1.200	2.000	2.900	6.000	2.500	1.900	2.571	2.229	3.854	1.720	1.529	2.571	6.000	0.970	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	0.870	8.400	0.750	0.335	0.335	5.100	0.790	3.600	0.260	1.300	4.451	2.803	1.860	1.210	1.592	2.244	8.400	0.260	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	5.400	7.700	6.800	3.500	3.200	3.300	8.000	12.000	1.300	3.200	3.887	4.459	8.638	2.803	3.694	5.192	12.000	1.300	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	0.610	0.980	0.820	0.620	0.550	0.335	1.100	1.900	0.670	0.670	0.335	1.019	1.661	0.510	0.764	0.836	1.900	0.335	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	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.278	0.335	0.165	x
Dibenzo(a,c)anthracene + Picene	x	0.330	0.335	0.335	0.165	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.301	0.335	0.165	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 AAQM RP, 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 October, 2012 to 31 December, 2012	<b>Valid Samples - No. / %</b>	: 7 / 46.7%

Parameter	AAQC	RDL	06-Oct-12	12-Oct-12	18-Oct-12	24-Oct-12	30-Oct-12	05-Nov-12	11-Nov-12	17-Nov-12	23-Nov-12	29-Nov-12	05-Dec-12	11-Dec-12	17-Dec-12	23-Dec-12	29-Dec-12	Ave	Max	Min	Samples
	24 Hr																	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>																			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	0.335	0.335	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	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	x
2,6 & 2,7-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	0.335	0.335	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	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	0.165	0.165	0.165	0.165	0.165	0.165	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	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	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.165	0.165	0.165	0.335	0.335	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	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	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	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.450	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.184	0.450	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	0.510	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0.510	0.510	<0.330	1
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.390	0.830	0.330	0.165	0.165	0.380	0.400	0.165	0.165	0.265	0.830	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	0.700	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.201	0.700	0.165	x
Benzo(j)fluoranthene	x	0.330	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.312	0.335	0.165	x
Benzo(k)fluoranthene	x	0.330	0.335	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	0.188	0.335	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	x
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.640	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.197	0.640	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	0.670	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
Fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.380	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.179	0.380	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	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.450	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.184	0.450	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	0.335	0.335	0.335	0.335	0.335	0.335	0.335	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	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	0.165	0.165	0.165	0.165	0.165	0.165	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	x
Pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.450	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.184	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	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	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.278	0.335	0.165	x
Dibenzo(a,c)anthracene + Picene	x	0.330	0.335	0.335	0.165	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.301	0.335	0.165	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 AAQM RP, 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 Sample Matrix : PUF + Filter  
 Location : Wallace Avenue, Toronto Method : GC/MS (TO13)  
 Reporting Period : 01 October, 2012 to 31 December, 2012 Valid Samples - No. / % : 7 / 46.7%

Parameter	AAQC	RDL	06-Oct-12	12-Oct-12	18-Oct-12	24-Oct-12	30-Oct-12	05-Nov-12	11-Nov-12	17-Nov-12	23-Nov-12	29-Nov-12	05-Dec-12	11-Dec-12	17-Dec-12	23-Dec-12	29-Dec-12	Ave	Max	Min	Samples	
	24 Hr																	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>																			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	0.335	0.363	0.760	0.335	x
1-Methylnaphthalene	x	0.670	0.335	4.300	0.335	0.335	0.335	2.800	0.335	1.700	0.335	0.335	2.132	1.083	0.731	0.335	0.240	1.044	4.300	0.240	x	
1-Methylphenanthrene	x	0.670	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	0.335	0.335	0.357	0.670	0.335	x	
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	3.900	2.800	2.000	0.335	1.020	0.894	3.900	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	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	2.100	7.900	0.460	0.165	0.360	4.800	0.490	2.800	0.530	0.730	3.762	1.847	1.196	0.892	1.465	1.966	7.900	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	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	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.165	0.165	0.400	0.335	0.335	0.317	0.400	0.165	x	
Acenaphthene	x	0.330	3.100	4.100	0.620	0.165	0.165	2.000	0.660	2.800	0.800	0.670	1.881	1.783	1.063	1.401	0.828	1.469	4.100	0.165	x	
Acenaphthylene	x	0.330	0.165	3.500	0.165	0.165	0.165	1.900	0.165	4.700	0.165	0.330	1.755	2.229	1.728	0.318	0.892	1.223	4.700	0.165	x	
Anthracene	x	0.330	0.165	0.620	0.165	0.165	0.165	0.165	0.360	1.200	0.165	0.165	0.165	0.382	0.664	0.165	0.165	0.325	1.200	0.165	x	
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.450	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.184	0.450	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	0.510	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0.510	0.510	<0.330	1	
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.390	0.830	0.330	0.165	0.165	0.380	0.400	0.165	0.165	0.265	0.830	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	0.700	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.201	0.700	0.165	x	
Benzo(j)fluoranthene	x	0.330	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.312	0.335	0.165	x	
Benzo(k)fluoranthene	x	0.330	0.335	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	0.188	0.335	0.165	x	
Biphenyl	x	0.670	0.335	2.600	0.335	0.335	0.335	1.500	0.335	2.300	0.335	0.730	1.379	1.401	0.997	0.764	1.083	0.984	2.600	0.335	x	
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.640	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.197	0.640	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	0.670	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	
Fluoranthene	x	0.330	1.200	1.400	1.400	0.910	0.780	0.670	1.900	2.800	1.200	0.930	0.878	1.083	2.458	0.764	0.955	1.289	2.800	0.670	x	
Fluorene	x	0.330	2.200	4.800	2.200	0.970	1.200	2.000	2.900	6.000	2.500	1.900	2.571	2.229	3.854	1.720	1.529	2.571	6.000	0.970	x	
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.450	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.184	0.450	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	0.870	8.400	0.750	0.335	0.335	5.100	0.790	3.600	0.260	1.300	4.451	2.803	1.860	1.210	1.592	2.244	8.400	0.260	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	5.400	7.700	6.800	3.500	3.200	3.300	8.000	12.000	1.300	3.200	3.887	4.459	8.638	2.803	3.694	5.192	12.000	1.300	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	0.610	0.980	0.820	0.620	0.550	0.335	1.100	2.400	0.670	0.670	0.335	1.019	1.661	0.510	0.764	0.870	2.400	0.335	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	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.278	0.335	0.165	x	
Dibenzo(a,c)anthracene + Picene	x	0.330	0.335	0.335	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.301	0.335	0.165	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 AAQM RP, 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. MetroInx 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 October, 2012 to 31 December, 2012 **Valid Samples - Number / %** : 13 / 86.7%

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
06-Oct-12	19	0.000005	0.00185	0.0006	0.0290	0.0006	0.0103	0.0039	0.0208	0.0044	0.00305	0.0153	0.1420
12-Oct-12	32	0.000005	0.00185	0.0006	0.0308	0.0006	0.0270	0.0057	0.0338	0.0053	0.00305	0.0152	0.1620
18-Oct-12	25	0.000010	0.00185	0.0006	0.0338	0.0006	0.0150	0.0072	0.0275	0.0057	0.00305	0.0174	0.1630
24-Oct-12	27	0.000010	0.00185	0.0006	0.0342	0.0006	0.0147	0.0082	0.0285	0.0054	0.00305	0.0180	0.1550
30-Oct-12	7	0.000005	0.00185	0.0006	0.0325	0.0006	0.0129	0.0045	0.0156	0.0047	0.00305	0.0166	0.1360
05-Nov-12	46	0.000005	0.00185	0.0006	0.0346	0.0006	0.0236	0.0077	0.0454	0.0060	0.00305	0.0166	0.1980
11-Nov-12	33	0.000020	0.00430	0.0006	0.0322	0.0006	0.0160	0.0106	0.0352	0.0052	0.00305	0.0170	0.1470
17-Nov-12	79	0.000010	0.00460	0.0006	0.0388	0.0020	0.0570	0.0121	0.0707	0.0076	0.00305	0.0214	0.3580
23-Nov-12	34	0.000020	0.00185	0.0006	0.0368	0.0017	0.0179	0.0094	0.0398	0.0071	0.00305	0.0185	0.1920
29-Nov-12	57	0.000010	0.00185	0.0006	0.0359	0.0013	0.0196	0.0106	0.0585	0.0061	0.00305	0.0181	0.1960
05-Dec-12	39	0.000005	0.00185	0.0006	0.0325	0.0006	0.0211	0.0067	0.0504	0.0062	0.00305	0.0163	0.1580
11-Dec-12	42	0.000005	0.00185	0.0006	0.0307	0.0006	0.0263	0.0089	0.0432	0.0061	0.00305	0.0153	0.1630
17-Dec-12	46	0.000005	0.00390	0.0006	0.0342	0.0006	0.0258	0.0082	0.0505	0.0057	0.00305	0.0170	0.1720
23-Dec-12	28	0.000005	0.00185	0.0006	0.0355	0.0006	0.0115	0.0058	0.0246	0.0053	0.00305	0.0177	0.1610
29-Dec-12	28	0.000005	0.00185	0.0006	0.0342	0.0006	0.0102	0.0056	0.0223	0.0048	0.00305	0.0160	0.1400
Ave	36	0.000008	0.00233	0.0006	0.0337	0.0008	0.0206	0.0077	0.0378	0.0057	0.00305	0.0171	0.1762
Max	79	0.000020	0.00460	0.0006	0.0388	0.0020	0.0570	0.0121	0.0707	0.0076	0.00305	0.0214	0.3580
Min	7	0.000005	0.00185	0.0006	0.0290	0.0006	0.0102	0.0039	0.0156	0.0044	0.00305	0.0152	0.1360
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 October, 2012 to 31 December, 2012

Sample Matrix : SUMMA Canisters  
 Method : GC/MS (TO15A)  
 Valid Samples - No. / % : 15 / 100%

Parameter	AAQC 24 Hr	RDL	06-Oct-12	12-Oct-12	18-Oct-12	24-Oct-12	30-Oct-12	05-Nov-12	11-Nov-12	17-Nov-12	23-Nov-12	29-Nov-12	05-Dec-12	11-Dec-12	17-Dec-12	23-Dec-12	29-Dec-12	Ave	Max	Min	Samples > AAQC
	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>	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>	No.
2,2,4-Trimethylpentane	x	0.934	0.467	0.467	0.467	0.467	0.467	0.700	0.655	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.495	0.700	0.467	x
Carbon Disulfide	330	1.56	0.78	0.78	0.78	0.78	0.78	1.17	1.09	0.78	0.78	0.78	0.78	3.51	0.78	0.78	0.78	1.01	3.51	0.78	0
Propene	4000	0.516	0.860	3.185	0.258	0.258	0.258	1.035	1.685	0.258	0.258	0.258	1.880	0.258	0.258	0.258	1.240	0.814	3.185	0.258	0
Vinyl Acetate	x	0.704	0.352	0.352	0.352	0.352	0.352	0.530	0.493	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.373	0.530	0.352	x
Dichlorodifluoromethane	500000	0.989	3.68	3.90	2.77	3.18	3.19	3.99	3.97	4.13	3.98	3.75	3.31	3.65	3.70	3.04	3.16	3.5600	4.1300	2.7700	0
Vinyl Chloride	1	0.051	0.0255	0.0255	0.0255	0.0255	0.0255	0.0385	0.0360	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0271	0.0385	0.0255	0
1,2-Dichlorotetrafluoroethane	700000	1.19	0.595	0.595	0.595	0.595	0.595	0.890	0.830	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.630	0.890	0.595	0
1,3-Butadiene	10	0.11	0.055	0.055	0.055	0.055	0.055	0.085	0.075	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.058	0.085	0.055	0
Chloromethane	320	0.620	1.020	1.450	0.310	1.070	1.090	1.180	1.260	1.190	1.300	1.280	1.090	1.160	2.730	1.210	1.290	1.242	2.730	0.310	0
Trichlorotrifluoroethane	800000	0.38	0.93	0.97	0.79	0.84	0.89	0.84	0.78	0.91	0.92	1.00	0.89	0.84	0.78	0.85	0.85	0.87	1.00	0.78	0
Vinyl Bromide	x	0.22	0.11	0.11	0.11	0.11	0.11	0.17	0.16	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.17	0.11	x
Chloroethane	5600	0.792	0.396	0.396	0.396	0.396	0.396	0.595	0.555	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.420	0.595	0.396	0
Chloroform	1	0.24	0.12	0.31	0.12	0.12	0.12	0.19	0.17	0.12	0.12	0.12	0.12	0.12	0.36	0.12	0.12	0.16	0.36	0.12	0
1,2-Dichloroethane	2	0.20	0.10	0.10	0.10	0.10	0.10	0.15	0.14	0.10	0.10	0.10	0.10	0.10	0.29	0.10	0.10	0.12	0.29	0.10	0
Carbon Tetrachloride	2.4	0.31	0.770	0.750	0.780	0.780	0.640	0.760	0.760	0.750	0.710	0.760	0.680	0.620	0.860	0.155	0.410	0.679	0.860	0.155	0
Trichlorofluoromethane	6000	1.12	1.86	2.05	1.37	1.84	1.83	0.85	0.79	1.52	1.38	1.46	1.93	2.25	2.25	1.47	1.43	1.62	2.25	0.79	0
Benzene	2.3	0.16	0.52	3.00	0.72	0.78	0.46	0.79	1.30	2.70	0.83	0.99	0.83	2.00	1.50	0.84	0.97	1.22	3.00	0.46	2
Ethanol	19000	4.33	5.720	26.800	6.420	16.000	12.200	6.990	14.100	8.090	6.690	7.650	2.165	28.000	2.165	4.980	6.520	10.479	28.000	2.165	0
Trichloroethylene	12	0.27	0.135	0.135	0.135	0.135	0.135	0.200	0.190	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.143	0.200	0.135	0
2-propanol	7300	7.37	3.685	3.685	3.685	3.685	3.685	5.550	5.150	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.907	5.550	3.685	0
Bromodichloromethane	x	0.34	0.17	0.17	0.17	0.17	0.17	0.25	0.24	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.25	0.17	x
2-Propanone	11880	1.90	19.40	21.70	11.50	14.70	12.00	5.71	8.00	12.30	7.90	4.80	5.62	14.90	16.50	10.30	4.87	11.35	21.70	4.80	0
cis-1,2-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.170	0.160	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.122	0.170	0.115	x
Methyl Ethyl Ketone	1000	8.85	4.425	4.425	4.425	4.425	4.425	6.650	6.200	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.692	6.650	4.425	0
trans-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.170	0.160	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.122	0.170	0.115	x
1,1,2-Trichloroethane	x	0.22	0.11	0.11	0.11	0.11	0.11	0.17	0.16	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.17	0.11	x
Methyl Isobutyl Ketone	1200	13.1	6.55	6.55	6.55	6.55	6.55	9.85	9.20	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.95	9.85	6.55	0
Dibromochloromethane	x	0.43	0.215	0.215	0.215	0.215	0.215	0.320	0.300	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.228	0.320	0.215	x
Methyl Butyl Ketone	x	8.19	4.095	4.095	4.095	4.095	4.095	6.150	5.750	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.342	6.150	4.095	x
Ethylene Dibromide	3	0.38	0.19	0.19	0.19	0.19	0.19	0.29	0.27	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.29	0.19	0
Methyl t-butyl ether (MTBE)	7000	0.721	0.3605	0.3605	0.3605	0.3605	0.3605	0.5400	0.5050	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3821	0.5400	0.3605	0
1,1,2,2-Tetrachloroethane	x	0.34	0.17	0.17	0.17	0.17	0.17	0.26	0.24	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.26	0.17	x
Ethyl Acetate	x	7.93	3.965	3.965	3.965	3.965	3.965	5.950	5.550	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	4.203	5.950	3.965	x
1,1-Dichloroethylene	10	0.991	0.4955	0.4955	0.4955	0.4955	0.4955	0.7450	0.6950	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.5254	0.7450	0.4955	0
Benzyl chloride	x	0.26	0.13	0.13	0.13	0.13	0.13	0.20	0.18	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.20	0.13	x
cis-1,2-Dichloroethylene	105	0.753	0.3765	0.3765	0.3765	0.3765	0.3765	0.5650	0.5250	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3990	0.5650	0.3765	0
Hexachlorobutadiene	x	0.53	0.265	0.265	0.265	0.265	0.265	0.400	0.375	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.281	0.400	0.265	x
trans-1,2-Dichloroethylene	105	0.793	0.3965	0.3965	0.3965	0.3965	0.3965	0.5950	0.5550	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.4203	0.5950	0.3965	0
Methylene Chloride	220	2.78	1.39	1.39	1.39	1.39	1.39	2.09	1.95	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.74	2.09	1.39	0
1,1-Dichloroethane	165	0.809	0.4045	0.4045	0.4045	0.4045	0.4045	0.6050	0.5650	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4286	0.6050	0.4045	0
1,1,1-Trichloroethane	115000	1.64	0.82	0.82	0.82	0.82	0.82	1.23	1.15	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.87	1.23	0.82	0
1,2-Dichloropropane	2400	1.85	0.925	0.925	0.925	0.925	0.925	1.385	1.295	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.980	1.385	0.925	0
Bromomethane	1350	0.699	0.3495	0.3495	0.3495	0.3495	0.3495	0.5250	0.4895	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3705	0.5250	0.3495	0
Bromoform	55	2.07	1.035	1.035	1.035	1.035	1.035	1.550	1.445	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.097	1.550	1.035	0
Heptane	11000	1.23	0.615	1.870	0.615	0.615	0.615	0.920	0.860	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.735	1.870	0.615	0
Tetrachloroethylene	360	1.36	0.68	0.68	0.68	0.68	0.68	1.02	0.95	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.72	1.02	0.68	0
Toluene	2000	0.753	1.0700	11.8000	1.5600	2.0400	1.5600	2.4500	2.6500	1.0700	1.0700	1.0700	1.0700	1.0700	1.0700	1.0700	1.0700	2.6141	11.8000	1.5600	0
Ethylbenzene	1000	0.868	0.434	1.860	0.434	0.434	0.434	0.650	0.610	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.587	1.860	0.434	0
p+m-Xylene	730	1.61	0.805	6.770	0.805	0.805	0.805	1.205	1.125	2.780	0.805	0.805	0.805	0.805	0.805	0.805	0.805	1.382	6.770	0.805	0
o-Xylene	730	0.868	0.434	2.410	0.434	0.434	0.434	0.650	0.610	1.010	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.630	2.410	0.434	0
Styrene	400	0.852	0.426	0.426	0.426	0.426	0.426	0.640	0.595	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.452	0.640	0.426	0
1,3,5-Trimethylbenzene	220	2.46	1.23	1.23	1.23	1.23	1.23	1.85	1.72	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.30	1.85	1.23	0
1,2,4-Trimethylbenzene	220	2.46	1.23	2.62	1.23	1.23	1.23	1.85	1.72	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.40	2.62	1.23	0
4-ethyltoluene	x	10.8	5.4	5.4	5.4	5.4	5.4	8.1													

**Station** : 35021 **Sample Matrix** : PUF Cartridge  
**Location** : Weston Road, Toronto **Method** : GC/MS (TO13)  
**Reporting Period** : 01 October, 2012 to 31 December, 2012 **Valid Samples - No. / %** : 7 / 46.7%

Parameter	AAQC	RDL	06-Oct-12	12-Oct-12	18-Oct-12	24-Oct-12	30-Oct-12	05-Nov-12	11-Nov-12	17-Nov-12	23-Nov-12	29-Nov-12	05-Dec-12	11-Dec-12	17-Dec-12	23-Dec-12	29-Dec-12	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 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	0.660	0.820	0.389	0.820	0.335	x
1-Methylnaphthalene	x	0.670	0.335	3.600	0.335	0.640	0.790	5.900	0.335	11.000	0.335	0.770	2.977	1.597	0.990	0.335	1.079	2.068	11.000	0.335	x
1-Methylphenanthrene	x	0.670	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	0.335	0.335	0.357	0.670	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	4.800	3.800	2.400	0.335	1.330	1.068	4.800	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	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	0.990	6.500	0.710	1.200	1.400	9.800	0.560	20.000	0.720	1.600	5.178	2.684	1.650	1.086	2.095	3.745	20.000	0.560	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	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.165	0.165	0.165	0.335	0.335	0.301	0.335	0.165	x
Acenaphthene	x	0.330	0.320	7.900	3.400	7.600	9.300	32.000	1.500	29.000	0.330	2.400	5.566	2.300	3.300	0.958	0.698	7.105	32.000	0.320	x
Acenaphthylene	x	0.330	0.450	2.600	0.165	0.165	0.430	0.165	0.165	7.300	0.165	0.450	1.812	3.067	1.452	0.319	0.889	1.306	7.300	0.165	x
Anthracene	x	0.330	0.165	0.580	1.200	1.700	2.400	0.560	0.720	1.600	0.165	0.165	0.388	0.447	0.528	0.165	0.165	0.730	2.400	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	0.330	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.312	0.335	0.165	x
Benzo(k)fluoranthene	x	0.330	0.335	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	0.188	0.335	0.165	x
Biphenyl	x	0.670	0.335	2.900	0.335	1.000	0.990	4.500	0.335	7.900	0.335	0.900	2.006	1.597	1.188	0.335	1.333	1.733	7.900	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	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	0.670	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	0.820	0.367	0.820	0.335	x
Fluoranthene	x	0.330	0.165	1.400	4.800	6.100	7.400	1.400	3.800	3.100	0.980	0.970	0.906	1.150	2.112	0.575	0.889	2.383	7.400	0.165	x
Fluorene	x	0.330	1.100	7.400	7.500	13.000	30.000	12.000	3.800	18.000	1.800	2.400	4.013	2.812	4.422	1.278	1.460	7.399	30.000	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	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	1.000	5.500	0.910	1.700	2.100	11.000	0.335	24.000	1.100	1.900	6.019	3.131	2.178	1.406	2.222	4.300	24.000	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	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	2.400	9.800	28.000	31.000	48.000	11.000	18.000	23.000	3.000	3.900	5.113	4.920	7.987	2.045	3.492	13.444	48.000	2.045	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	0.165	0.970	2.400	3.400	4.000	0.890	2.100	2.100	0.590	0.770	0.647	0.960	1.386	0.383	0.698	1.431	4.000	0.165	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.69	1.30	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	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.278	0.335	0.165	x
Dibenzo(a,c)anthracene + Picene	x	0.330	0.335	0.335	0.165	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.301	0.335	0.165	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 AAQM RP, 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** : 102mm GF Filter  
**Location** : Weston Road, Toronto **Method** : GC/MS (TO13)  
**Reporting Period** : 01 October, 2012 to 31 December, 2012 **Valid Samples - No. / %** : 7 / 46.7%

Parameter	AAQC	RDL	06-Oct-12	12-Oct-12	18-Oct-12	24-Oct-12	30-Oct-12	05-Nov-12	11-Nov-12	17-Nov-12	23-Nov-12	29-Nov-12	05-Dec-12	11-Dec-12	17-Dec-12	23-Dec-12	29-Dec-12	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 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	0.335	0.335	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	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	x
2,6 & 2,7-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	0.335	0.335	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	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	0.165	0.165	0.165	0.165	0.165	0.165	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	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	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.165	0.165	0.165	0.335	0.335	0.301	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	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	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	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.570	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.192	0.570	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	0.630	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0.630	0.630	<0.330	1
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.390	1.000	0.330	0.165	0.165	0.380	0.165	0.165	0.165	0.261	1.000	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	0.100	0.760	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.200	0.760	0.100	x
Benzo(j)fluoranthene	x	0.330	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.312	0.335	0.165	x
Benzo(k)fluoranthene	x	0.330	0.335	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	0.199	0.335	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	x
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.820	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.209	0.820	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	0.670	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
Fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.420	0.820	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.237	0.820	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	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.510	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.188	0.510	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	0.335	0.335	0.335	0.335	0.335	0.335	0.335	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	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	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.380	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.179	0.380	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	x
Pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.760	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.205	0.760	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	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	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.278	0.335	0.165	x
Dibenzo(a,c)anthracene + Picene	x	0.330	0.335	0.335	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.301	0.335	0.165	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 AAQM RP, 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** : PUF + Filter  
**Location** : Weston Road, Toronto **Method** : GC/MS (TO13)  
**Reporting Period** : 01 October, 2012 to 31 December, 2012 **Valid Samples - No. / %** : 7 / 46.7%

Parameter	AAQC	RDL	06-Oct-12	12-Oct-12	18-Oct-12	24-Oct-12	30-Oct-12	05-Nov-12	11-Nov-12	17-Nov-12	23-Nov-12	29-Nov-12	05-Dec-12	11-Dec-12	17-Dec-12	23-Dec-12	29-Dec-12	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 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	0.660	0.820	0.389	0.820	0.335	x
1-Methylnaphthalene	x	0.670	0.335	3.600	0.335	0.640	0.790	5.900	0.335	11.000	0.335	0.770	2.977	1.597	0.990	0.335	1.079	2.068	11.000	0.335	x
1-Methylphenanthrene	x	0.670	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	0.335	0.335	0.357	0.670	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	4.800	3.800	2.400	0.335	1.330	1.068	4.800	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	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	0.990	6.500	0.710	1.200	1.400	9.800	0.560	20.000	0.720	1.600	5.178	2.684	1.650	1.086	2.095	3.745	20.000	0.560	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	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.165	0.165	0.165	0.335	0.335	0.301	0.335	0.165	x
Acenaphthene	x	0.330	0.320	7.900	3.400	7.600	9.300	32.000	1.500	29.000	0.330	2.400	5.566	2.300	3.300	0.958	0.698	7.105	32.000	0.320	x
Acenaphthylene	x	0.330	0.450	2.600	0.165	0.165	0.430	0.165	0.165	7.300	0.165	0.450	1.812	3.067	1.452	0.319	0.889	1.306	7.300	0.165	x
Anthracene	x	0.330	0.165	0.580	1.200	1.700	2.400	0.560	0.720	1.600	0.165	0.165	0.388	0.447	0.528	0.165	0.165	0.730	2.400	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.570	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.192	0.570	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	0.630	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0.630	0.630	<0.330	1
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.390	1.000	0.330	0.165	0.165	0.380	0.165	0.165	0.165	0.261	1.000	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	0.760	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.205	0.760	0.165	x
Benzo(j)fluoranthene	x	0.330	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.312	0.335	0.165	x
Benzo(k)fluoranthene	x	0.330	0.335	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	0.199	0.335	0.165	x
Biphenyl	x	0.670	0.335	2.900	0.335	1.000	0.990	4.500	0.335	7.900	0.335	0.900	2.006	1.597	1.188	0.335	1.333	1.733	7.900	0.335	x
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.820	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.209	0.820	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	0.670	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	0.820	0.367	0.820	0.335	x
Fluoranthene	x	0.330	0.165	1.400	4.800	6.100	7.400	1.400	4.200	3.900	1.300	0.970	0.906	1.150	2.112	0.575	0.889	2.484	7.400	0.165	x
Fluorene	x	0.330	1.100	7.400	7.500	13.000	30.000	12.000	3.800	18.000	1.800	2.400	4.013	2.812	4.422	1.278	1.460	7.399	30.000	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	0.510	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.188	0.510	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	1.000	5.500	0.910	1.700	2.100	11.000	0.335	24.000	1.100	1.900	6.019	3.131	2.178	1.406	2.222	4.300	24.000	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	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	2.400	9.800	28.000	31.000	48.000	11.000	18.000	23.000	3.000	3.900	5.113	4.920	7.987	2.045	3.492	13.444	48.000	2.045	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	0.165	0.970	2.400	3.400	4.000	0.890	2.100	2.800	0.590	0.770	0.647	0.960	1.386	0.383	0.698	1.477	4.000	0.165	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.69	1.30	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	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.278	0.335	0.165	x
Dibenzo(a,c)anthracene + Picene	x	0.330	0.335	0.335	0.165	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.301	0.335	0.165	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 AAQM RP, 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 October, 2012 to 31 December, 2012 **Valid Samples - Number / %** : 13 / 86.7%

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													
06-Oct-12	34	0.000005	0.00185	0.0006	0.0301	0.0006	0.0137	0.0055	0.0290	0.0047	0.00305	0.0155	0.1760
12-Oct-12	49	0.000005	0.00185	0.0006	0.0331	0.0006	0.0220	0.0065	0.0365	0.0056	0.00305	0.0164	0.1630
18-Oct-12	58	0.000020	0.00185	0.0006	0.0380	0.0013	0.0258	0.0105	0.0554	0.0069	0.00305	0.0197	0.1880
24-Oct-12	42	0.000020	0.00185	0.0006	0.0366	0.0013	0.0161	0.0099	0.0371	0.0060	0.00305	0.0185	0.1760
30-Oct-12	12	0.000005	0.00185	0.0006	0.0340	0.0006	0.0104	0.0055	0.0172	0.0050	0.00305	0.0175	0.1600
05-Nov-12	41	0.000005	0.00185	0.0006	0.0316	0.0006	0.0154	0.0089	0.0337	0.0051	0.00305	0.0154	0.1560
11-Nov-12	35	0.000010	0.00185	0.0006	0.0310	0.0006	0.0186	0.0107	0.0295	0.0052	0.00305	0.0158	0.1440
17-Nov-12	62	0.000010	0.00430	0.0006	0.0380	0.0013	0.0544	0.0145	0.0431	0.0067	0.00305	0.0188	0.2510
23-Nov-12	55	0.000005	0.00380	0.0006	0.0349	0.0015	0.0183	0.0111	0.0446	0.0065	0.00305	0.0183	0.1690
29-Nov-12	92	0.000020	0.00185	0.0006	0.0357	0.0018	0.0219	0.0143	0.0603	0.0077	0.00305	0.0185	0.1910
05-Dec-12	34	0.000005	0.00185	0.0006	0.0340	0.0006	0.0133	0.0059	0.0308	0.0060	0.00305	0.0166	0.1480
11-Dec-12	63	0.000005	0.00185	0.0006	0.0337	0.0015	0.0219	0.0078	0.0517	0.0066	0.00305	0.0171	0.1640
17-Dec-12	79	0.000010	0.00400	0.0006	0.0372	0.0015	0.0355	0.0109	0.0626	0.0071	0.00305	0.0186	0.2570
23-Dec-12	25	0.000005	0.00185	0.0006	0.0340	0.0006	0.0097	0.0060	0.0193	0.0047	0.00305	0.0166	0.1460
29-Dec-12	16	0.000005	0.00185	0.0006	0.0344	0.0006	0.0108	0.0057	0.0158	0.0048	0.00305	0.0178	0.2650
Ave	46	0.000009	0.00229	0.0006	0.0344	0.0010	0.0205	0.0089	0.0378	0.0059	0.00305	0.0174	0.1836
Max	92	0.000020	0.00430	0.0006	0.0380	0.0018	0.0544	0.0145	0.0626	0.0077	0.00305	0.0197	0.2650
Min	12	0.000005	0.00185	0.0006	0.0301	0.0006	0.0097	0.0055	0.0158	0.0047	0.00305	0.0154	0.1440
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 **Sample Matrix** : PUF Cartridge  
**Location** : Strachan Avenue, Toronto **Method** : GC/MS (TO13)  
**Reporting Period** : 01 October, 2012 to 31 December, 2012 **Valid Samples - No. / %** : 7 / 46.7%

Parameter	AAQC	RDL																	Ave	Max	Min	Samples
	24 Hr		06-Oct-12	12-Oct-12	18-Oct-12	24-Oct-12	30-Oct-12	05-Nov-12	11-Nov-12	17-Nov-12	23-Nov-12	29-Nov-12	05-Dec-12	11-Dec-12	17-Dec-12	23-Dec-12	29-Dec-12	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	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.660	0.830	0.335	x		
1-Methylnaphthalene	x	0.670	0.710	2.200	0.730	0.840	0.335	2.400	0.790	2.800	0.840	0.710	1.553	0.710	1.126	0.335	0.831	1.127	2.800	0.335	x	
1-Methylphenanthrene	x	0.670	0.335	0.335	1.100	0.810	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.418	1.100	0.335	x	
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	3.400	2.200	2.200	0.760	1.280	0.879	3.400	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	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	1.400	4.400	1.400	1.600	1.000	3.900	1.600	5.200	1.600	1.400	2.718	1.290	2.053	1.136	1.597	2.153	5.200	1.000	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	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.165	0.660	0.660	0.335	0.335	0.367	0.660	0.165	x	
Acenaphthene	x	0.330	6.600	21.000	7.700	8.300	9.100	4.400	14.000	11.000	6.800	3.900	5.696	5.613	10.662	4.543	0.831	8.010	21.000	0.831	x	
Acenaphthylene	x	0.330	0.165	0.380	0.165	0.165	0.165	1.400	0.165	2.100	0.165	0.710	1.036	0.581	0.464	0.379	0.767	0.587	2.100	0.165	x	
Anthracene	x	0.330	1.200	3.800	2.100	2.000	1.400	0.165	1.200	0.890	0.390	0.450	0.453	1.032	1.523	0.165	0.165	1.129	3.800	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	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	0.330	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.312	0.335	0.165	x	
Benzo(k)fluoranthene	x	0.330	0.335	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	0.188	0.335	0.165	x	
Biphenyl	x	0.670	0.750	2.400	0.960	1.100	0.990	1.300	2.000	2.900	0.970	1.000	1.294	0.968	1.589	0.820	1.150	1.346	2.900	0.750	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	0.670	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	
Fluoranthene	x	0.330	5.100	16.000	8.500	7.600	5.400	1.100	5.900	2.700	1.800	2.100	1.553	3.871	6.556	1.073	0.895	4.677	16.000	0.895	x	
Fluorene	x	0.330	14.000	44.000	19.000	16.000	11.000	4.000	16.000	10.000	7.300	6.300	5.502	10.323	17.815	3.975	1.534	12.450	44.000	1.534	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	1.300	4.100	0.860	1.300	0.335	3.500	1.000	4.600	1.500	1.700	3.689	1.226	1.656	1.262	1.981	2.001	4.600	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	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	28.000	88.000	55.000	38.000	22.000	5.700	34.000	16.000	10.000	9.300	7.702	18.065	31.788	5.426	3.450	24.829	88.000	3.450	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	2.100	6.600	3.900	3.800	2.900	0.800	2.600	1.700	0.900	2.100	0.971	2.065	2.980	0.568	0.767	2.317	6.600	0.568	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	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.278	0.335	0.165	x	
Dibenzo(a,c)anthracene + Picene	x	0.330	0.335	0.335	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.301	0.335	0.165	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 AAQM RP, 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>	: 102mm GF Filter
<b>Location</b>	: Strachan Avenue, Toronto	<b>Method</b>	: GC/MS (TO13)
<b>Reporting Period</b>	: 01 October, 2012 to 31 December, 2012	<b>Valid Samples - No. / %</b>	: 7 / 46.7%

Parameter	AAQC	RDL	06-Oct-12	12-Oct-12	18-Oct-12	24-Oct-12	30-Oct-12	05-Nov-12	11-Nov-12	17-Nov-12	23-Nov-12	29-Nov-12	05-Dec-12	11-Dec-12	17-Dec-12	23-Dec-12	29-Dec-12	Ave	Max	Min	Samples
	24 Hr																	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	> AAQC 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	0.335	0.335	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	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	x
2,6 & 2,7-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	0.335	0.335	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	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	0.165	0.165	0.165	0.165	0.165	0.165	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	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	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.165	0.165	0.165	0.335	0.335	0.301	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	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	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	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	0.450	0.165	0.390	0.165	0.165	0.165	0.165	0.165	0.199	0.450	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	0.450	0.165	0.390	0.165	0.165	0.165	0.165	0.165	0.199	0.450	0.165	x
Benzo(j)fluoranthene	x	0.330	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.312	0.335	0.165	x
Benzo(k)fluoranthene	x	0.330	0.335	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	0.188	0.335	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	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	0.176	0.330	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	0.670	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
Fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.330	0.390	0.450	0.165	0.165	0.165	0.165	0.165	0.210	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	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	0.335	0.335	0.335	0.335	0.335	0.335	0.335	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	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	0.165	0.165	0.165	0.165	0.165	0.165	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	x
Pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.330	0.165	0.165	0.165	0.165	0.165	0.176	0.330	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	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	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.278	0.335	0.165	x
Dibenzo(a,c)anthracene + Picene	x	0.330	0.335	0.335	0.165	0.165	0.165	0.165	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.301	0.335	0.165	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 AAQM RP, 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.

