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A Division of METROLINX

**Data Summary**  
**Q1, 2014**

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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)	O. Reg 419/05	Ontario Regulation 419/05	
34)	CWS	Canada Wide Standard	
35)	WHO	World Health Organization	
36)	EST	Eastern Standard Time	
37)	Clock Average	1 Hr Clock Average (i.e. 09:00 to 10:00) 24 Hr Clock Average (i.e. 00:00 to 23:00)	
38)	Running Average	Creating a series of averages of varying subset time frames of the full dataset.	



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**Metrolinx Air Monitoring Network  
Statistics 2014**

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 ppb	CO ppm	NO2 ppb	CO ppm	SO2 ppb	CO ppm	NO2 ppb	SO2 ppb	CO ppm	NO2 ppb	SO2 ppb	CO ppm	NO2 ppb	PM2.5 µg/m³	PM2.5 µg/m³	SO2 ppb	CO ppm	PM2.5 µg/m³	NO ppb	NO2 ppb	NOX ppb	SO2 %	CO %	PM2.5 %	NO %	NO2 %	NOX %	
35020	January	5	0.81	45	1.26	12	2.09	91	13	2.14	92	37	72	1.0	0.25	11	10	18	28	99.7	99.7	99.9	99.7	99.7	99.7	99.7	99.7	99.7	
	February	2	0.83	57	1.38	12	2.18	118	15	2.21	120	36	79	0.8	0.31	16	19	24	43	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9		
	March	4	0.55	41	0.94	15	1.67	93	17	1.79	121	39	223	0.8	0.25	13	9	17	26	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		
	<b>Q1 Arithmetic Mean</b>																0.9	0.27	13	13	20	32	99.8	99.8	99.9	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 No.	NO2 No.	CO No.	SO2 No.	CO No.	NO2 No.	SO2 No.	CO No.	NO2 No.	SO2 No.	PM2.5 No.	NO2 No.	PM2.5 No.	SO2 No.	PM2.5 No.	SO2 No.	PM2.5 No.
35020	January	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
	February	0	0	0	0	0	0	0	0	0	0	8	4	4	0	0	0	0
	March	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0
	<b>Q1 Total</b>	0	0	0	0	0	0	0	0	0	0	12	4	8	0	0	0	0

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 ppb	CO ppm	NO2 ppb	CO ppm	SO2 ppb	CO ppm	NO2 ppb	SO2 ppb	CO ppm	NO2 ppb	SO2 ppb	CO ppm	NO2 ppb	PM2.5 µg/m³	PM2.5 µg/m³	SO2 ppb	CO ppm	PM2.5 µg/m³	NO ppb	NO2 ppb	NOX ppb	SO2 %	CO %	PM2.5 %	NO %	NO2 %	NOX %	
35021	January	5	0.87	59	1.21	10	1.90	91	11	1.95	93	38	60	1.2	0.26	10	12	20	32	99.6	99.6	99.7	99.6	99.6	99.6	99.6	99.6		
	February	2	0.67	52	0.95	15	1.60	88	21	1.66	89	33	56	0.6	0.32	15	19	26	45	99.7	99.7	100.0	99.7	99.7	99.7	99.7			
	March	4	0.54	45	0.82	14	1.29	83	15	1.33	85	25	46	0.8	0.24	10	8	19	27	99.9	99.9	100.0	99.9	99.9	99.9	99.9			
	<b>Q1 Arithmetic Mean</b>																0.9	0.27	12	13	22	35	99.7	99.7	99.9	99.7	99.7	99.7	

Event Statistics		Events > 24 Hr AAQC		Events > 8 Hr AAQC			Events > 1 Hr AAQC			Events > ½ Hr Standard			Events > 24 Hr WHO		Events > 1 Hr WHO		No. of Days > 24 Hr Ref. Level	
Station	Month	SO2 No.	NO2 No.	CO No.	SO2 No.	CO No.	NO2 No.	SO2 No.	CO No.	NO2 No.	SO2 No.	PM2.5 No.	NO2 No.	PM2.5 No.	SO2 No.	PM2.5 No.	SO2 No.	PM2.5 No.
35021	January	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
	February	0	0	0	0	0	0	0	0	0	0	5	0	4	0	0	0	0
	March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Q1 Total</b>	0	0	0	0	0	0	0	0	0	0	6	0	5	0	0	0	0

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	23.9	8.2	3.3	0.1	-23.1	-7.3	30.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	February	19.6	6.3	5.8	0.1	-17.9	-6.7	44.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
	March	18.3	11.2	1.2	0.4	-18.0	-2.7	18.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
<b>Q1 Total</b>									94.1							
<b>Q1 Arithmetic Mean</b>							-5.5		98.6	98.6	98.6	98.6	98.6	98.6	98.6	

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	ppb	ppm	µg/m³	ppb	ppb	ppb	%	%	%	%	%	%	
35022	January	5	0.40	35	0.53			10	0.95	55	10	0.95	58	27	61	0.7	0.24	11	11	17	28	98.4	98.4	98.7	98.4	98.4	98.4		
	February	2	0.73	46	1.10			12	1.55	95	15	1.66	103	33	51	0.6	0.29	15	16	22	38	99.7	99.7	100.0	99.7	99.7	99.7		
	March	4	0.40	31	0.55			15	1.34	81	17	1.37	85	25	62	0.6	0.25	11	10	17	27	99.7	99.7	99.9	99.7	99.7			
<b>Q1 Arithmetic Mean</b>																	0.6	0.26	12	12	19	31	99.3	99.3	99.5	99.3	99.3	99.3	

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.
35022	January	0	0	0			0	0	0	0	0	0	0	1	0	0
	February	0	0	0			0	0	0	0	0	0	0	4	0	3
	March	0	0	0			0	0	0	0	0	0	0	0	0	0
<b>Q1 Total</b>		0	0	0			0	0	0	0	0	0	0	5	0	3

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

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

WHO Air Quality Guidelines			
Period	SO2	PM2.5	NO2
	ppb	µg/m³	ppb
1 Hr	---	---	100
24 Hr	7	25	---

CWS PM2.5 Reference Level	
Period	PM2.5
	µg/m³
24 Hr	30

**Station** : 35020 **Sample Matrix** : Teflon Coated Filter  
**Location** : Wallace Avenue, Toronto **Method** : IO-3.1  
**Reporting Period** : 01 January, 2014 to 31 March, 2014 **Valid Samples - Number / %** : 14 / 93.3%

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													
05-Jan-14	27	0.000020	0.00185	0.0006	0.0295	0.0006	0.0237	0.0064	0.0145	0.0043	0.00305	0.0292	0.2920
11-Jan-14	15	0.000005	0.00380	0.0006	0.0328	0.0006	0.0245	0.0063	0.0157	0.0047	0.00305	0.0334	0.1820
17-Jan-14	45	0.000020	0.00540	0.0006	0.0348	0.0006	0.0330	0.0092	0.0331	0.0055	0.00305	0.0346	0.2610
23-Jan-14	73	0.000030	0.00380	0.0006	0.0353	0.0006	0.0234	0.0093	0.0319	0.0059	0.00305	0.0322	0.2480
29-Jan-14	42	0.000020	0.00185	0.0006	0.0357	0.0006	0.0255	0.0103	0.0284	0.0066	0.00305	0.0327	0.3860
04-Feb-14	61	0.000030	0.00410	0.0006	0.0377	0.0006	0.0367	0.0083	0.0329	0.0058	0.00305	0.0362	0.4340
10-Feb-14	31	0.000030	0.00430	0.0006	0.0352	0.0006	0.0170	0.0095	0.0221	0.0051	0.00305	0.0354	0.3120
16-Feb-14	35	0.000005	0.00450	0.0006	0.0375	0.0006	0.0232	0.0099	0.0214	0.0043	0.00305	0.0281	0.3330
22-Feb-14	Sample Invalid - Equipment Error												
28-Feb-14	55	0.000010	0.00430	0.0006	0.0376	0.0006	0.0314	0.0129	0.0431	0.0053	0.00305	0.0291	0.2310
06-Mar-14	46	0.000020	0.00185	0.0006	0.0339	0.0006	0.0255	0.0088	0.0218	0.0039	0.00305	0.0268	0.2080
12-Mar-14	27	0.000005	0.00380	0.0006	0.0331	0.0006	0.0194	0.0079	0.0204	0.0040	0.00305	0.0255	0.2020
18-Mar-14	48	0.000020	0.00430	0.0006	0.0363	0.0006	0.0270	0.0098	0.0451	0.0048	0.00305	0.0282	0.1930
24-Mar-14	56	0.000010	0.00430	0.0006	0.0409	0.0006	0.0325	0.0104	0.0483	0.0050	0.00305	0.0309	0.2410
30-Mar-14	35	0.000005	0.00400	0.0006	0.0363	0.0006	0.0216	0.0078	0.0317	0.0042	0.00305	0.0281	0.2090
<b>Ave</b>	43	0.000016	0.00373	0.0006	0.0355	0.0006	0.0260	0.0091	0.0293	0.0050	0.00305	0.0307	0.2666
<b>Max</b>	73	0.000030	0.00540	0.0006	0.0409	0.0006	0.0367	0.0129	0.0483	0.0066	0.00305	0.0362	0.4340
<b>Min</b>	15	0.000005	0.00185	0.0006	0.0295	0.0006	0.0170	0.0063	0.0145	0.0039	0.00305	0.0255	0.1820
<b>No. &gt; AAQC</b>	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 Sample Matrix : SUMMA Canisters  
 Location : Wallace Avenue, Toronto Method : GC/MS (TO15A)  
 Reporting Period : 01 January, 2014 to 31 March, 2014 Valid Samples - No. / % : 15 / 100%

Parameter	AAQC 24 Hr µg/m <sup>3</sup>	RDL µg/m <sup>3</sup>	Reporting Period															Ave µg/m <sup>3</sup>	Max µg/m <sup>3</sup>	Min µg/m <sup>3</sup>	Samples > AAQC No.									
			05-Jan-14	11-Jan-14	17-Jan-14	23-Jan-14	29-Jan-14	04-Feb-14	10-Feb-14	16-Feb-14	22-Feb-14	28-Feb-14	06-Mar-14	12-Mar-14	18-Mar-14	24-Mar-14	30-Mar-14													
2,2,4-Trimethylpentane	x	0.934	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	x		
Carbon Disulfide	330	1.56	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0	
Propene	4000	0.516	1.205	1.205	1.035	0.258	0.258	1.290	1.035	0.945	0.860	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	0	
Vinyl Acetate	x	0.704	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	x	
Dichlorodifluoromethane	500000	0.989	3.3700	3.1700	3.1800	3.3100	2.9700	2.6300	2.7600	2.6500	2.8900	3.4000	3.3500	3.2200	3.3300	3.0800	3.2800													0
Vinyl Chloride	1	0.051	0.0255	0.0255	0.0255	0.0500	0.0500	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0	
1,2-Dichlorotetrafluoroethane	700000	1.19	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	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	0.165	0.165	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	
Chloroethane	320	0.620	1.130	1.290	1.170	1.070	0.925	1.050	1.090	0.870	0.933	1.300	1.300	1.400	1.480	1.280	1.410													0
Trichlorotrifluoroethane	800000	0.38	0.74	0.68	0.68	0.76	0.76	0.91	0.94	0.90	0.92	0.91	0.94	0.91	0.91	0.77	0.72													0
Vinyl Bromide	x	0.22	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	x	
Chloroethane	5600	0.792	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0
Chloroform	1	0.24	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0
1,2-Dichloroethane	2	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0
Carbon Tetrachloride	2.4	0.31	0.660	0.640	0.670	0.670	0.690	0.830	0.810	0.800	0.840	0.450	0.460	0.790	0.780	0.630	0.670													0
Trichlorofluoromethane	6000	1.12	1.81	1.67	1.61	1.53	1.60	1.86	1.81	1.39	1.57	1.76	1.72	1.64	1.70	1.61	1.83													0
Benzene	2.3	0.16	0.95	0.82	0.79	1.00	0.81	1.60	1.00	0.68	0.51	1.00	0.92	0.71	0.82	0.69	1.80													0
Ethanol	19000	4.33	7.610	7.820	2.165	6.410	2.165	12.200	6.800	2.165	2.165	2.165	2.165	2.165	2.165	2.165	5.800													0
Trichloroethylene	12	0.27	0.135	0.135	0.135	0.135	0.135	0.280	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135													0
2-propanol	7300	7.37	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685													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	0.17	0.17	0.17	0.17	0.17	0.17	0.17	x	
2-Propanone	11880	1.90	5.45	6.19	6.67	3.93	3.13	6.12	4.35	2.44	2.56	2.72	2.02	3.14	2.61	5.04	7.24													0
cis-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115													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													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													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													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													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													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													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
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
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													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													0
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
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													x
cis-1,2-Dichloroethylene	105	0.753	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765													0
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													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
Methylene Chloride	220	2.78	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39													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
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
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
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
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													0
Heptane	11000	1.23	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615													0
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
Toluene	2000	0.753	1.1000	1.3500	1.2900	3.1900	1.1800	1.9000	0.7570	1.01																				

**Station** : 35020 **Sample Matrix** : PUF Cartridge  
**Location** : Wallace Avenue, Toronto **Method** : GC/MS (TO13)  
**Reporting Period** : 01 January, 2014 to 31 March, 2014 **Valid Samples - No. / %** : 14 / 93.3%

Parameter	AAQC 24 Hr	RDL	05-Jan-14	11-Jan-14	17-Jan-14	23-Jan-14	29-Jan-14	04-Feb-14	10-Feb-14	16-Feb-14	22-Feb-14	28-Feb-14	06-Mar-14	12-Mar-14	18-Mar-14	24-Mar-14	30-Mar-14	Ave	Max	Min	Samples > AAQC	
	ng/m <sup>3</sup>	ng/m <sup>3</sup>																ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.	
1,2-Dimethylnaphthalene	x	0.330	0.770	0.165	0.340		0.920	1.700	1.200	0.800	0.620	1.400	1.600	0.910	0.790	1.000	0.690	0.922	1.700	0.165	x	
1-Methylnaphthalene	x	0.660	0.840	0.730	3.500		2.400	2.000	2.500	2.200	1.500	2.400	1.100	1.100	0.330	2.100	1.100	1.700	3.500	0.330	x	
1-Methylphenanthrene	x	0.660	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	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	1.300	0.820	2.800		2.100	3.800	2.900	1.600	1.100	3.800	3.200	1.400	0.820	2.300	1.100	2.074	3.800	0.820	x	
2-Chloronaphthalene	x	0.660	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	x
2-Methylantracene	x	0.660	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	x
2-Methylnaphthalene	x	0.330	1.500	1.300	6.000		4.500	3.900	4.800	3.800	2.700	4.600	1.700	2.000	0.630	4.000	2.200	3.116	6.000	0.630	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	1.600	0.165	0.165		0.165	0.360	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.281	1.600	0.165	x	
Acenaphthene	x	0.330	0.840	5.200	18.000		4.400	15.000	10.000	5.400	13.000	14.000	1.300	3.600	0.570	24.000	12.000	9.094	24.000	0.570	x	
Acenaphthylene	x	0.330	0.430	0.540	1.600		0.690	1.900	1.200	0.370	0.165	0.560	0.470	0.350	0.165	0.570	0.165	0.655	1.900	0.165	x	
Anthracene	x	0.330	0.165	0.380	0.330		0.165	0.570	0.360	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.235	0.570	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	0.660	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	x
Benzo(e)pyrene	x	0.660	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	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	0.660	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	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.660	1.500	1.400	3.900		2.700	4.200	3.300	2.000	2.200	4.400	1.100	1.200	0.660	4.600	1.900	2.504	4.600	0.660	x	
Chrysene	x	0.330	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Coronene	x	1.30	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.165	0.165	0.165		0.165	0.165	0.165	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
Fluoranthene	x	0.330	1.300	1.700	1.300		0.690	1.400	1.100	0.460	1.100	0.620	0.470	0.690	0.630	1.000	1.200	0.976	1.700	0.460	x	
Fluorene	x	0.330	2.500	4.500	6.300		2.200	8.000	4.600	2.100	9.800	5.300	1.400	6.500	1.500	12.000	14.000	5.764	14.000	1.400	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	0.660	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	x
Naphthalene	22500	0.660	1.800	1.500	4.300		4.400	4.400	5.400	4.200	2.900	3.800	1.900	2.100	0.790	3.200	2.200	3.064	5.400	0.790	0	
o-Terphenyl	x	0.660	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	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	4.100	7.400	6.600		3.800	9.000	5.800	2.900	11.000	5.500	2.600	6.500	3.100	11.000	15.000	6.736	15.000	2.600	x	
p-Terphenyl	x	0.660	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	x
Pyrene	x	0.330	0.770	1.100	0.730		0.430	1.400	1.100	0.400	0.460	0.590	0.470	0.470	0.500	0.630	0.570	0.687	1.400	0.400	x	
Quinoline	x	1.30	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Tetralin	x	0.660	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	x
Benzo(b)anthracene	x	0.660	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	x
Dibenzo(a,c)anthracene + Picene	x	0.660	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	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	0.500	0.165	0.165	0.165	0.189	0.500	0.165	x	

Sample invalid - Equipment Error

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

**Station** : 35020 **Sample Matrix** : 102mm GF Filter  
**Location** : Wallace Avenue, Toronto **Method** : GC/MS (TO13)  
**Reporting Period** : 01 January, 2014 to 31 March, 2014 **Valid Samples - No. / %** : 14 / 93.3%

Parameter	AAQC 24 Hr	RDL	05-Jan-14	11-Jan-14	17-Jan-14	23-Jan-14	29-Jan-14	04-Feb-14	10-Feb-14	16-Feb-14	22-Feb-14	28-Feb-14	06-Mar-14	12-Mar-14	18-Mar-14	24-Mar-14	30-Mar-14	Ave	Max	Min	Samples > AAQC	
	ng/m <sup>3</sup>	ng/m <sup>3</sup>																ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.	
1,2-Dimethylnaphthalene	x	0.330	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
1-Methylnaphthalene	x	0.660	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	x
1-Methylphenanthrene	x	0.660	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	x
2,6 & 2,7-Dimethylnaphthalene	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
2-Chloronaphthalene	x	0.660	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	x
2-Methylantracene	x	0.660	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	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	0.165	0.165	0.165		0.165	0.165	0.165	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
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		0.330	0.360	0.360	0.165	0.165	0.530	0.165	0.165	0.165	0.165	0.165	0.231	0.530	0.165	x	
Benzo(b)fluorene	x	0.660	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	x
Benzo(e)pyrene	x	0.660	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	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.165		0.165	0.330	0.165	0.165	0.165	0.330	0.165	0.165	0.165	0.165	0.165	0.189	0.330	0.165	x	
Benzo(j)fluoranthene	x	0.660	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	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.660	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	x
Chrysene	x	0.330	0.165	0.165	0.165		0.390	0.360	0.165	0.165	0.165	0.470	0.165	0.165	0.165	0.165	0.165	0.217	0.470	0.165	x	
Coronene	x	1.30	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65		0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.165	0.165	0.165		0.165	0.165	0.165	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
Fluoranthene	x	0.330	0.165	0.165	0.165		0.620	0.420	0.480	0.165	0.165	0.940	0.350	0.165	0.370	0.370	0.165	0.336	0.940	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	0.660	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	x
Naphthalene	22500	0.660	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
o-Terphenyl	x	0.660	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	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		0.590	0.165	0.165	0.165	0.165	0.440	0.165	0.165	0.165	0.330	0.165	0.227	0.590	0.165	x	
p-Terphenyl	x	0.660	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	x
Pyrene	x	0.330	0.165	0.165	0.165		0.330	0.420	0.450	0.165	0.165	0.680	0.165	0.165	0.165	0.165	0.165	0.252	0.680	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	0.660	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	x
Benzo(b)anthracene	x	0.660	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	x
Dibenzo(a,c)anthracene + Picene	x	0.660	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	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

Sample Invalid - Equipment Error

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



<b>Station</b>	: 35020	<b>Sample Matrix</b>	: PUF + Filter
<b>Location</b>	: Wallace Avenue, Toronto	<b>Method</b>	: GC/MS (TO13)
<b>Reporting Period</b>	: 01 January, 2014 to 31 March, 2014	<b>Valid Samples - No. / %</b>	: 14 / 93.3%

Parameter	AAQC 24 Hr	RDL	05-Jan-14	11-Jan-14	17-Jan-14	23-Jan-14	29-Jan-14	04-Feb-14	10-Feb-14	16-Feb-14	22-Feb-14	28-Feb-14	06-Mar-14	12-Mar-14	18-Mar-14	24-Mar-14	30-Mar-14	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>	ng/m <sup>3</sup>																ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.
1,2-Dimethylnaphthalene	x	0.330	0.770	0.165	0.340	0.920	1.700	1.200	0.800	0.620	1.400	1.600	0.910	0.790	1.000	0.690	0.922	1.700	0.165	x	
1-Methylnaphthalene	x	0.660	0.840	0.730	3.500	2.400	2.000	2.500	2.200	1.500	2.400	1.100	1.100	0.330	2.100	1.100	1.700	3.500	0.330	x	
1-Methylphenanthrene	x	0.660	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	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	1.300	0.820	2.800	2.100	3.800	2.900	1.600	1.100	3.800	3.200	1.400	0.820	2.300	1.100	2.074	3.800	0.820	x	
2-Chloronaphthalene	x	0.660	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	x
2-Methylantracene	x	0.660	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	x
2-Methylnaphthalene	x	0.330	1.500	1.300	6.000	4.500	3.900	4.800	3.800	2.700	4.600	1.700	2.000	0.630	4.000	2.200	3.116	6.000	0.630	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-Dimethylanthracene	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	1.600	0.165	0.165	0.165	0.360	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.281	1.600	0.165	x	
Acenaphthene	x	0.330	0.840	5.200	18.000	4.400	15.000	10.000	5.400	13.000	14.000	1.300	3.600	0.570	24.000	12.000	9.094	24.000	0.570	x	
Acenaphthylene	x	0.330	0.430	0.540	1.600	0.690	1.900	1.200	0.370	0.165	0.560	0.470	0.350	0.165	0.570	0.165	0.655	1.900	0.165	x	
Anthracene	x	0.330	0.165	0.380	0.330	0.165	0.570	0.360	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.235	0.570	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	0.330	0.360	0.360	0.165	0.165	0.530	0.165	0.165	0.165	0.165	0.165	0.231	0.530	0.165	x	
Benzo(b)fluorene	x	0.660	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	x
Benzo(e)pyrene	x	0.660	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	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.165	0.165	0.330	0.165	0.165	0.165	0.330	0.165	0.165	0.165	0.165	0.165	0.189	0.330	0.165	x	
Benzo(j)fluoranthene	x	0.660	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	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.660	1.500	1.400	3.900	2.700	4.200	3.300	2.000	2.200	4.400	1.100	1.200	0.660	4.600	1.900	2.504	4.600	0.660	x	
Chrysene	x	0.330	0.165	0.165	0.165	0.390	0.360	0.165	0.165	0.165	0.470	0.165	0.165	0.165	0.165	0.165	0.217	0.470	0.165	x	
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	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
Fluoranthene	x	0.330	1.300	1.700	1.300	1.300	1.800	1.600	0.460	1.100	1.600	0.800	0.690	1.000	1.400	1.200	1.232	1.800	0.460	x	
Fluorene	x	0.330	2.500	4.500	6.300	2.200	8.000	4.600	2.100	9.800	5.300	1.400	6.500	1.500	12.000	14.000	5.764	14.000	1.400	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	0.660	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	x
Naphthalene	22500	0.660	1.800	1.500	4.300	4.400	4.400	5.400	4.200	2.900	3.800	1.900	2.100	0.790	3.200	2.200	3.064	5.400	0.790	0	
o-Terphenyl	x	0.660	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	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	4.100	7.400	6.600	4.400	9.000	5.800	2.900	11.000	5.900	2.600	6.500	3.100	11.000	15.000	6.807	15.000	2.600	x	
p-Terphenyl	x	0.660	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	x
Pyrene	x	0.330	0.770	1.100	0.730	0.800	1.800	1.600	0.400	0.460	1.300	0.470	0.470	0.500	0.630	0.570	0.829	1.800	0.400	x	
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Tetralin	x	0.660	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	x
Benzo(b)anthracene	x	0.660	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	x
Dibenzo(a,c)anthracene + Picene	x	0.660	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	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	0.500	0.165	0.165	0.165	0.189	0.500	0.165	x	

Sample Invalid - Equipment Error

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

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

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

**Station** : 35021 **Sample Matrix** : Teflon Coated Filter  
**Location** : Weston Road, Toronto **Method** : IO-3.1  
**Reporting Period** : 01 January, 2014 to 31 March, 2014 **Valid Samples - Number / %** : 15 / 100%

Parameter	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
Name		Mercury	Arsenic	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Vanadium	Zinc
Units	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
<b>AAQC</b>	120	2	0.3	0.025	0.5	0.1	50	0.5	0.4	0.2	10	2	120
<b>RDL</b>	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
05-Jan-14	35	0.000010	0.00185	0.0006	0.0308	0.0006	0.0172	0.0058	0.0155	0.0044	0.00305	0.0304	0.3110
11-Jan-14	15	0.000005	0.00185	0.0006	0.0318	0.0006	0.0228	0.0061	0.0148	0.0046	0.00305	0.0332	0.1970
17-Jan-14	42	0.000020	0.00410	0.0006	0.0341	0.0006	0.0287	0.0078	0.0294	0.0052	0.00305	0.0348	0.2260
23-Jan-14	95	0.000030	0.00185	0.0006	0.0348	0.0006	0.0333	0.0111	0.0342	0.0055	0.00305	0.0332	0.3700
29-Jan-14	36	0.000020	0.00185	0.0006	0.0344	0.0006	0.0157	0.0068	0.0217	0.0050	0.00305	0.0328	0.3170
04-Feb-14	54	0.000030	0.00410	0.0006	0.0364	0.0006	0.0397	0.0125	0.0312	0.0060	0.00305	0.0352	0.4970
10-Feb-14	35	0.000020	0.00420	0.0006	0.0353	0.0006	0.0293	0.0078	0.0247	0.0037	0.00305	0.0272	0.3590
16-Feb-14	65	0.000005	0.00400	0.0006	0.0346	0.0006	0.0359	0.0096	0.0330	0.0044	0.00305	0.0262	0.2670
22-Feb-14	27	0.000005	0.00420	0.0006	0.0333	0.0006	0.0137	0.0090	0.0282	0.0038	0.00305	0.0262	0.2160
28-Feb-14	59	0.000005	0.00410	0.0006	0.0350	0.0006	0.0282	0.0104	0.0441	0.0043	0.00305	0.0269	0.2270
06-Mar-14	35	0.000010	0.00380	0.0006	0.0336	0.0006	0.0213	0.0086	0.0235	0.0039	0.00305	0.0265	0.2210
12-Mar-14	27	0.000005	0.00380	0.0006	0.0315	0.0006	0.0218	0.0065	0.0194	0.0036	0.00305	0.0250	0.2100
18-Mar-14	56	0.000040	0.00430	0.0006	0.0357	0.0006	0.0240	0.0096	0.0419	0.0044	0.00305	0.0276	0.2100
24-Mar-14	58	0.000010	0.00390	0.0006	0.0356	0.0006	0.0277	0.0082	0.0447	0.0041	0.00305	0.0272	0.2160
30-Mar-14	46	0.000010	0.00185	0.0006	0.0342	0.0006	0.0325	0.0079	0.0345	0.0038	0.00305	0.0260	0.1780
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<b>Ave</b>	46	0.000015	0.00332	0.0006	0.0341	0.0006	0.0261	0.0085	0.0294	0.0044	0.00305	0.0292	0.2681
<b>Max</b>	95	0.000040	0.00430	0.0006	0.0364	0.0006	0.0397	0.0125	0.0447	0.0060	0.00305	0.0352	0.4970
<b>Min</b>	15	0.000005	0.00185	0.0006	0.0308	0.0006	0.0137	0.0058	0.0148	0.0036	0.00305	0.0250	0.1780
<b>No. &gt; AAQC</b>	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.



<b>Station</b>	: 35021	<b>Sample Matrix</b>	: PUF Cartridge
<b>Location</b>	: Weston Road, Toronto	<b>Method</b>	: GC/MS (TO13)
<b>Reporting Period</b>	: 01 January, 2014 to 31 March, 2014	<b>Valid Samples - No. / %</b>	: 15 / 100%

Parameter	AAQC 24 Hr	RDL	05-Jan-14	11-Jan-14	17-Jan-14	23-Jan-14	29-Jan-14	04-Feb-14	10-Feb-14	16-Feb-14	22-Feb-14	28-Feb-14	06-Mar-14	12-Mar-14	18-Mar-14	24-Mar-14	30-Mar-14	Ave	Max	Min	Samples > AAQC	
	ng/m <sup>3</sup>	ng/m <sup>3</sup>																ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.	
1,2-Dimethylnaphthalene	x	0.330	0.750	0.165	0.360	0.165	0.610	1.400	1.200	0.840	0.165	1.300	0.850	0.800	0.870	0.790	0.690	0.730	1.400	0.165	x	
1-Methylnaphthalene	x	0.660	0.710	0.330	3.500	2.100	0.660	1.900	1.900	2.200	0.330	2.200	1.400	1.100	0.870	1.000	0.330	1.369	3.500	0.330	x	
1-Methylphenanthrene	x	0.660	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	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.650	0.630	2.400	0.980	0.750	2.700	2.800	1.800	0.400	3.000	1.400	1.100	1.300	1.100	0.940	1.463	3.000	0.400	x	
2-Chloronaphthalene	x	0.660	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	x
2-Methylantracene	x	0.660	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	x
2-Methylnaphthalene	x	0.330	1.400	1.000	6.200	3.800	1.200	3.900	3.800	3.500	0.930	4.400	2.700	1.900	1.800	2.000	1.000	2.635	6.200	0.930	x	
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylanthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.330	2.100	0.165	0.165	0.165	0.165	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.305	2.100	0.165	x	
Acenaphthene	x	0.330	0.530	0.165	1.500	0.165	0.165	1.500	1.200	0.900	0.165	1.200	2.600	1.300	3.300	1.200	1.400	1.153	3.300	0.165	x	
Acenaphthylene	x	0.330	0.710	0.500	2.400	0.900	0.350	2.200	1.100	0.620	0.165	0.650	0.400	0.330	0.400	0.390	0.165	0.752	2.400	0.165	x	
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.420	0.330	0.165	0.165	0.165	0.165	0.165	0.330	0.165	0.165	0.204	0.420	0.165	x	
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	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	0.660	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	x
Benzo(e)pyrene	x	0.660	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	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(j)fluoranthene	x	0.660	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	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.660	1.200	0.850	1.900	0.660	0.870	2.800	2.200	1.500	0.330	2.300	1.300	0.870	1.300	0.910	0.330	1.288	2.800	0.330	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	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	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
Fluoranthene	x	0.330	1.300	1.600	0.990	0.165	0.870	1.100	0.930	0.430	0.165	0.470	0.620	0.590	1.600	0.420	0.690	0.796	1.600	0.165	x	
Fluorene	x	0.330	1.900	2.600	2.100	0.330	1.200	2.400	1.500	0.930	0.560	1.200	1.700	2.000	3.800	1.000	2.400	1.708	3.800	0.330	x	
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
m-Terphenyl	x	0.660	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	x
Naphthalene	22500	0.660	2.100	1.400	5.100	6.700	1.400	4.200	4.300	2.900	1.100	3.800	3.300	1.900	1.700	2.000	1.000	2.860	6.700	1.000	0	
o-Terphenyl	x	0.660	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	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Phenanthrene	x	0.330	3.800	5.700	3.700	0.750	2.700	4.700	3.500	1.900	1.100	2.300	3.000	3.400	6.900	1.800	3.900	3.277	6.900	0.750	x	
p-Terphenyl	x	0.660	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	x
Pyrene	x	0.330	0.780	1.000	0.710	0.165	0.490	1.200	1.200	0.430	0.165	0.200	0.530	0.400	1.300	0.420	0.360	0.623	1.300	0.165	x	
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Tetralin	x	0.660	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	x
Benzo(b)anthracene	x	0.660	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	x
Dibenzo(a,c)anthracene + Picene	x	0.660	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	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x

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

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

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

**Station** : 35021  
**Location** : Weston Road, Toronto  
**Reporting Period** : 01 January, 2014 to 31 March, 2014

**Sample Matrix** : 102mm GF Filter  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 15 / 100%

Parameter	AAQC	RDL	05-Jan-14	11-Jan-14	17-Jan-14	23-Jan-14	29-Jan-14	04-Feb-14	10-Feb-14	16-Feb-14	22-Feb-14	28-Feb-14	06-Mar-14	12-Mar-14	18-Mar-14	24-Mar-14	30-Mar-14	Ave	Max	Min	Samples	
	24 Hr																					
	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	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
1-Methylnaphthalene	x	0.660	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	x
1-Methylphenanthrene	x	0.660	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	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.165	0.165	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	x
2-Chloronaphthalene	x	0.660	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	x
2-Methylantracene	x	0.660	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	x
2-Methylnaphthalene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	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
Acenaphthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Acenaphthylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.480	0.165	0.165	0.165	0.165	0.165	0.165	0.370	0.165	0.165	0.200	0.480	0.165	0.165	x
Benzo(b)fluorene	x	0.660	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	x
Benzo(e)pyrene	x	0.660	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	x
Benzo(g,h,i)perylene	x	0.330	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	0.165	0.165	0.176	0.330	0.165	0.165	x
Benzo(j)fluoranthene	x	0.660	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	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.660	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	x
Chrysene	x	0.330	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	0.165	0.165	0.184	0.450	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	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	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
Fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.720	0.165	0.165	0.165	0.440	0.165	0.165	0.330	0.165	0.165	0.231	0.720	0.165	0.165	x
Fluorene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
m-Terphenyl	x	0.660	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	x
Naphthalene	22500	0.660	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
o-Terphenyl	x	0.660	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	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Phenanthrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.450	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.184	0.450	0.165	0.165	x
p-Terphenyl	x	0.660	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	x
Pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.600	0.330	0.165	0.165	0.330	0.165	0.165	0.165	0.165	0.165	0.216	0.600	0.165	0.165	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Tetralin	x	0.660	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	x
Benzo(b)anthracene	x	0.660	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	x
Dibenzo(a,c)anthracene + Picene	x	0.660	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	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x

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

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

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

<b>Station</b>	: 35021	<b>Sample Matrix</b>	: PUF + Filter
<b>Location</b>	: Weston Road, Toronto	<b>Method</b>	: GC/MS (TO13)
<b>Reporting Period</b>	: 01 January, 2014 to 31 March, 2014	<b>Valid Samples - No. / %</b>	: 15 / 100%

Parameter	AAQC 24 Hr	RDL	05-Jan-14	11-Jan-14	17-Jan-14	23-Jan-14	29-Jan-14	04-Feb-14	10-Feb-14	16-Feb-14	22-Feb-14	28-Feb-14	06-Mar-14	12-Mar-14	18-Mar-14	24-Mar-14	30-Mar-14	Ave	Max	Min	Samples > AAQC	
	ng/m <sup>3</sup>	ng/m <sup>3</sup>																ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.	
1,2-Dimethylnaphthalene	x	0.330	0.750	0.165	0.360	0.165	0.610	1.400	1.200	0.84	0.165	1.300	0.850	0.800	0.870	0.790	0.690	0.730	1.400	0.165	x	
1-Methylnaphthalene	x	0.660	0.710	0.330	3.500	2.100	0.660	1.900	1.900	2.200	0.330	2.200	1.400	1.100	0.870	1.000	0.330	1.369	3.500	0.330	x	
1-Methylphenanthrene	x	0.660	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	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.650	0.630	2.700	0.980	0.750	2.700	2.800	1.800	0.400	3.000	1.400	1.100	1.300	1.100	0.940	1.483	3.000	0.400	x	
2-Chloronaphthalene	x	0.660	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	x
2-Methylantracene	x	0.660	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	x
2-Methylnaphthalene	x	0.330	1.400	1.000	6.200	3.800	1.200	3.900	3.800	3.500	0.930	4.400	2.700	1.900	1.800	2.000	1.000	2.635	6.200	0.930	x	
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.330	2.100	0.165	0.165	0.165	0.165	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.305	2.100	0.165	x	
Acenaphthene	x	0.330	0.530	0.165	1.500	0.165	0.165	1.500	1.200	0.900	0.165	1.200	2.600	1.300	3.300	1.200	1.400	1.153	3.300	0.165	x	
Acenaphthylene	x	0.330	0.710	0.500	2.400	0.900	0.350	2.200	1.100	0.620	0.165	0.650	0.400	0.330	0.400	0.390	0.165	0.752	2.400	0.165	x	
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.420	0.330	0.165	0.165	0.165	0.165	0.165	0.330	0.165	0.165	0.204	0.420	0.165	x	
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.480	0.165	0.165	0.165	0.165	0.165	0.165	0.370	0.165	0.165	0.200	0.480	0.165	x	
Benzo(b)fluorene	x	0.660	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	x
Benzo(e)pyrene	x	0.660	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	x
Benzo(g,h,i)perylene	x	0.330	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	0.165	0.165	0.176	0.330	0.165	x	
Benzo(j)fluoranthene	x	0.660	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	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.660	1.200	0.850	1.900	0.660	0.870	2.800	2.200	1.500	0.330	2.300	1.300	0.870	1.300	0.910	0.330	1.288	2.800	0.330	x	
Chrysene	x	0.330	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	0.165	0.165	0.184	0.450	0.165	x	
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	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
Fluoranthene	x	0.330	1.300	1.600	0.990	0.165	0.870	1.800	0.930	0.430	0.165	0.900	0.620	0.590	1.900	0.420	0.690	0.891	1.900	0.165	x	
Fluorene	x	0.330	1.900	2.600	2.100	0.330	1.200	2.400	1.500	0.930	0.560	1.200	1.700	2.000	3.800	1.000	2.400	1.708	3.800	0.330	x	
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
m-Terphenyl	x	0.660	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	x
Naphthalene	22500	0.660	2.100	1.400	5.100	6.700	1.400	4.200	4.300	2.900	1.100	3.800	3.300	1.900	1.700	2.000	1.000	2.860	6.700	1.000	0	
o-Terphenyl	x	0.660	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	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Phenanthrene	x	0.330	3.800	5.700	3.700	0.750	2.700	4.700	3.500	1.900	1.100	2.300	3.000	3.400	6.900	1.800	3.900	3.277	6.900	0.750	x	
p-Terphenyl	x	0.660	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	x
Pyrene	x	0.330	0.780	1.000	0.710	0.165	0.490	1.800	1.500	0.430	0.165	0.200	0.530	0.400	1.300	0.420	0.360	0.683	1.800	0.165	x	
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Tetralin	x	0.660	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	x
Benzo(b)anthracene	x	0.660	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	x
Dibenzo(a,c)anthracene + Picene	x	0.660	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	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x

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

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

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

**Station** : 35022 **Sample Matrix** : Teflon Coated Filter  
**Location** : Strachan Avenue, Toronto **Method** : IO-3.1  
**Reporting Period** : 01 January, 2014 to 31 March, 2014 **Valid Samples - Number / %** : 15 / 100%

Parameter	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
Name		Mercury	Arsenic	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Vanadium	Zinc
Units	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
<b>AAQC</b>	120	2	0.3	0.025	0.5	0.1	50	0.5	0.4	0.2	10	2	120
<b>RDL</b>	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
05-Jan-14	54	0.000020	0.00185	0.0006	0.0297	0.0006	0.0344	0.0067	0.0166	0.0043	0.00305	0.0293	0.2600
11-Jan-14	22	0.000005	0.00380	0.0006	0.0327	0.0006	0.0352	0.0064	0.0187	0.0048	0.00305	0.0333	0.2030
17-Jan-14	50	0.000030	0.00185	0.0006	0.0344	0.0006	0.0333	0.0079	0.0308	0.0055	0.00305	0.0347	0.2240
23-Jan-14	101	0.000030	0.00185	0.0006	0.0346	0.0014	0.0241	0.0109	0.0414	0.0061	0.00305	0.0319	0.2450
29-Jan-14	71	0.000030	0.00185	0.0006	0.0354	0.0006	0.0297	0.0081	0.0322	0.0054	0.00305	0.0338	0.3130
04-Feb-14	55	0.000030	0.00450	0.0006	0.0362	0.0006	0.0322	0.0095	0.0293	0.0056	0.00305	0.0352	0.3210
10-Feb-14	39	0.000020	0.00400	0.0006	0.0341	0.0006	0.0213	0.0090	0.0232	0.0038	0.00305	0.0261	0.4060
16-Feb-14	45	0.000005	0.00470	0.0006	0.0351	0.0006	0.0289	0.0112	0.0230	0.0043	0.00305	0.0273	0.2360
22-Feb-14	31	0.000020	0.00420	0.0006	0.0345	0.0006	0.0296	0.0100	0.0261	0.0040	0.00305	0.0272	0.2190
28-Feb-14	192	0.000020	0.00490	0.0006	0.0384	0.0023	0.0311	0.0243	0.0975	0.0078	0.00305	0.0306	0.2590
06-Mar-14	49	0.000010	0.00390	0.0006	0.0355	0.0006	0.0374	0.0105	0.0294	0.0044	0.00305	0.0275	0.2030
12-Mar-14	24	0.000005	0.00390	0.0006	0.0352	0.0006	0.0163	0.0080	0.0193	0.0040	0.00305	0.0274	0.2910
18-Mar-14	64	0.000020	0.00370	0.0006	0.0326	0.0006	0.0286	0.0166	0.0370	0.0048	0.00305	0.0252	0.1850
24-Mar-14	95	0.000020	0.00380	0.0006	0.0374	0.0015	0.0328	0.0124	0.0550	0.0060	0.00305	0.0278	0.2180
30-Mar-14	32	0.000005	0.00380	0.0006	0.0413	0.0006	0.0213	0.0090	0.0310	0.0045	0.00305	0.0316	0.2350
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<b>Ave</b>	62	0.000018	0.00351	0.0006	0.0351	0.0008	0.0291	0.0107	0.0340	0.0050	0.00305	0.0299	0.2545
<b>Max</b>	192	0.000030	0.00490	0.0006	0.0413	0.0023	0.0374	0.0243	0.0975	0.0078	0.00305	0.0352	0.4060
<b>Min</b>	22	0.000005	0.00185	0.0006	0.0297	0.0006	0.0163	0.0064	0.0166	0.0038	0.00305	0.0252	0.1850
<b>No. &gt; AAQC</b>	1	0	0	0	0	0	0	0	0	0	0	0	0

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

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

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

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

Station : 35022  
 Location : Strachan Avenue, Toronto  
 Reporting Period : 01 January, 2014 to 31 March, 2014  
 Sample Matrix : SUMMA Canisters  
 Method : GC/MS (TO15A)  
 Valid Samples - No. / % : 15 / 100%

Parameter	AAQC 24 Hr µg/m <sup>3</sup>	RDL µg/m <sup>3</sup>	Sampling Dates												Ave µg/m <sup>3</sup>	Max µg/m <sup>3</sup>	Min µg/m <sup>3</sup>	Samples > AAQC No.												
			05-Jan-14	11-Jan-14	17-Jan-14	23-Jan-14	29-Jan-14	04-Feb-14	10-Feb-14	16-Feb-14	22-Feb-14	28-Feb-14	06-Mar-14	12-Mar-14					18-Mar-14	24-Mar-14	30-Mar-14									
2,2,4-Trimethylpentane	x	0.934	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	x		
Carbon Disulfide	330	1.56	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0	
Propene	4000	0.516	1.120	1.035	1.895	0.258	0.258	1.205	1.035	0.945	0.860	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	1.290	0	
Vinyl Acetate	x	0.704	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	x	
Dichlorodifluoromethane	500000	0.989	3.48	3.1800	3.3000	3.0500	3.3000	2.6600	2.6100	2.9400	2.9500	3.3400	3.3200	3.3700	3.3000	3.2100	3.2800													0
Vinyl Chloride	1	0.051	0.0255	0.0255	0.0255	0.0255	0.0500	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0	
1,2-Dichlorotetrafluoroethane	700000	1.19	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	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	0.165	0.165	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	1.010	1.260	1.300	1.160	1.020	1.130	1.080	1.110	0.915	1.310	1.300	1.420	1.450	1.010	1.300													0
Trichlorotrifluoroethane	800000	0.280	0.84	0.65	0.70	0.78	0.80	1.00	0.89	0.97	0.94	0.96	1.03	1.00	0.77	0.75														0
Vinyl Bromide	x	0.22	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	x	
Chloroethane	5600	0.792	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0	
Chloroform	1	0.24	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0	
1,2-Dichloroethane	2	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0	
Carbon Tetrachloride	2.4	0.31	0.690	0.680	0.660	0.640	0.710	0.840	0.790	0.880	0.890	0.470	0.480	0.790	0.810	0.660	0.610													0
Trichlorofluoromethane	6000	1.12	1.86	1.67	1.76	1.55	1.56	1.82	1.89	1.54	1.51	1.71	1.74	1.74	1.74	1.80	1.70													0
Benzene	2.3	0.16	0.74	0.71	0.68	1.20	0.77	1.40	0.97	0.72	0.54	0.98	0.92	0.67	0.77	0.72	0.50													0
Ethanol	19000	4.33	5.150	4.540	2.165	5.500	2.165	8.870	6.060	2.165	2.165	2.165	2.165	5.400	2.165	5.080	5.960													0
Trichloroethylene	12	0.27	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0	
2-propanol	7300	7.37	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	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	0.17	0.17	0.17	0.17	0.17	0.17	0.17	x	
2-Propanone	11880	1.90	4.74	6.30	35.30	4.49	2.60	5.64	0.95	23.10	2.64	0.95	9.95	3.18	2.11	6.12	5.17													0
cis-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	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	4.425	4.425	4.425	4.425	4.425	4.425	4.425	0	
trans-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	x	
1,1,2-Trichloroethane	x	0.22	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	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	6.55	6.55	6.55	6.55	6.55	6.55	6.55	0	
Dibromochloromethane	x	0.43	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	x	
Methyl Butyl Ketone	x	8.19	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	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	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0	
Methyl t-butyl ether (MTBE)	7000	0.721	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0	
1,1,2,2-Tetrachloroethane	x	0.34	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	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	3.965	3.965	3.965	3.965	3.965	3.965	3.965	x	
1,1-Dichloroethylene	10	0.991	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0	
Benzyl chloride	x	0.26	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	x	
cis-1,2-Dichloroethylene	105	0.753	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0	
Hexachlorobutadiene	x	0.53	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	x	
trans-1,2-Dichloroethylene	105	0.793	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0	
Methylene Chloride	220	2.78	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	0	
1,1-Dichloroethane	165	0.809	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	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	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0	
1,2-Dichloropropane	2400																													



<b>Station</b>	: 35022	<b>Sample Matrix</b>	: PUF Cartridge
<b>Location</b>	: Strachan Avenue, Toronto	<b>Method</b>	: GC/MS (TO13)
<b>Reporting Period</b>	: 01 January, 2014 to 31 March, 2014	<b>Valid Samples - No. / %</b>	: 15 / 100%

Parameter	AAQC	RDL	05-Jan-14	11-Jan-14	17-Jan-14	23-Jan-14	29-Jan-14	04-Feb-14	10-Feb-14	16-Feb-14	22-Feb-14	28-Feb-14	06-Mar-14	12-Mar-14	18-Mar-14	24-Mar-14	30-Mar-14	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	0.330	0.680	0.990	1.400	1.700	1.100	1.200	1.100	0.630	0.850	1.600	0.910	0.810	0.780	1.100	0.630	1.032	1.700	0.630	x
1-Methylnaphthalene	x	0.660	0.680	1.700	3.600	4.100	2.400	1.300	1.500	0.830	2.000	3.200	1.400	1.200	1.100	2.000	1.100	1.874	4.100	0.680	x
1-Methylphenanthrene	x	0.660	0.330	0.820	0.790	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.393	0.820	0.330	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.710	1.600	3.600	5.500	2.600	2.100	2.500	1.000	2.000	4.600	1.700	1.300	1.200	2.100	1.000	2.234	5.500	0.710	x
2-Chloronaphthalene	x	0.660	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	x
2-Methylantracene	x	0.660	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	x
2-Methylnaphthalene	x	0.330	1.600	3.300	6.800	7.400	4.700	2.100	2.800	1.600	3.400	5.900	2.700	2.100	2.200	3.600	2.300	3.500	7.400	1.600	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	4.600	0.760	0.700	0.330	0.165	0.360	0.165	0.165	0.460	0.165	0.165	0.165	0.165	0.165	0.540	0.605	4.600	0.165	x
Acenaphthene	x	0.330	9.400	25.000	58.000	4.400	8.300	16.000	1.900	2.900	31.000	20.000	6.800	6.000	11.000	17.000	14.000	15.447	58.000	1.900	x
Acenaphthylene	x	0.330	0.165	0.520	0.730	1.000	0.480	1.000	0.570	0.330	0.330	0.680	0.380	0.330	0.165	0.430	0.165	0.485	1.000	0.165	x
Anthracene	x	0.330	1.100	1.900	2.000	0.330	0.165	0.480	0.165	0.165	1.100	0.165	0.165	0.165	0.165	0.165	0.660	0.593	2.000	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	0.660	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	x
Benzo(e)pyrene	x	0.660	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	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	0.660	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	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.660	1.500	2.300	4.500	3.600	2.600	2.400	2.000	1.200	2.500	4.400	1.600	1.200	1.600	2.600	1.700	2.380	4.500	1.200	x
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	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
Fluoranthene	x	0.330	4.600	7.600	6.900	0.630	0.770	1.600	0.660	0.660	4.700	0.820	1.300	1.500	2.000	0.800	5.700	2.683	7.600	0.630	x
Fluorene	x	0.330	25.000	45.000	54.000	2.800	4.400	9.800	1.700	1.900	35.000	8.600	4.600	8.400	13.000	11.000	28.000	16.880	54.000	1.700	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	0.660	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	x
Naphthalene	22500	0.660	1.900	3.000	4.800	6.800	4.000	2.800	2.800	1.400	2.200	3.700	2.900	2.000	1.500	2.500	1.900	2.947	6.800	1.400	0
o-Terphenyl	x	0.660	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	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	27.000	51.000	55.000	4.900	5.800	11.000	3.200	3.100	42.000	9.100	6.700	12.000	18.000	15.000	55.000	21.253	55.000	3.100	x
p-Terphenyl	x	0.660	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	x
Pyrene	x	0.330	2.000	3.500	3.300	0.570	0.570	1.100	0.720	0.540	2.100	0.650	0.820	0.750	0.890	0.400	2.000	1.327	3.500	0.400	x
Quinoline	x	1.30	0.65	0.65	1.50	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.71	1.50	0.65	x
Tetralin	x	0.660	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	x
Benzo(b)anthracene	x	0.660	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	x
Dibenzo(a,c)anthracene + Picene	x	0.660	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	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x

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

**Station** : 35022  
**Location** : Strachan Avenue, Toronto  
**Reporting Period** : 01 January, 2014 to 31 March, 2014

**Sample Matrix** : 102mm GF Filter  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 15 / 100%

Parameter	AAQC 24 Hr	RDL	05-Jan-14	11-Jan-14	17-Jan-14	23-Jan-14	29-Jan-14	04-Feb-14	10-Feb-14	16-Feb-14	22-Feb-14	28-Feb-14	06-Mar-14	12-Mar-14	18-Mar-14	24-Mar-14	30-Mar-14	Ave	Max	Min	Samples > AAQC	
	ng/m <sup>3</sup>	ng/m <sup>3</sup>																ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.	
1,2-Dimethylnaphthalene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
1-Methylnaphthalene	x	0.660	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	x
1-Methylphenanthrene	x	0.660	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	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
2-Chloronaphthalene	x	0.660	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	x
2-Methylnaphthalene	x	0.660	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	x
2-Methylanthracene	x	0.660	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	x
2-Methylnaphthalene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylanthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	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
Acenaphthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Acenaphthylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.560	0.165	0.165	0.165	0.330	0.165	0.202	0.560	0.165	0.165	x
Benzo(b)fluorene	x	0.660	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	x
Benzo(e)pyrene	x	0.660	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	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(j)fluoranthene	x	0.660	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	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.660	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	x
Chrysene	x	0.330	0.165	0.165	0.165	0.410	0.165	0.165	0.165	0.165	0.165	0.650	0.165	0.165	0.165	0.165	0.165	0.214	0.650	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	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	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
Fluoranthene	x	0.330	0.330	0.165	0.540	0.740	0.480	0.390	0.420	0.165	0.180	2.200	0.350	0.165	0.410	1.200	0.165	0.527	2.200	0.165	0.165	x
Fluorene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
m-Terphenyl	x	0.660	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	x
Naphthalene	22500	0.660	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
o-Terphenyl	x	0.660	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	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Phenanthrene	x	0.330	0.165	0.165	0.330	0.330	0.165	0.165	0.165	0.165	0.110	1.200	0.165	0.165	0.165	0.680	0.165	0.287	1.200	0.110	0.110	x
p-Terphenyl	x	0.660	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	x
Pyrene	x	0.330	0.165	0.165	0.100	0.410	0.330	0.330	0.360	0.165	0.340	1.000	0.165	0.165	0.165	0.680	0.165	0.314	1.000	0.100	0.100	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Tetralin	x	0.660	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	x
Benzo(b)anthracene	x	0.660	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	x
Dibenzo(a,c)anthracene + Picene	x	0.660	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	x
Triphenylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x

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

**Note 2:** At the time of the AAQMMP, 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** : PUF + Filter  
**Location** : Strachan Avenue, Toronto **Method** : GC/MS (TO13)  
**Reporting Period** : 01 January, 2014 to 31 March, 2014 **Valid Samples - No. / %** : 15 / 100%

Parameter	AAQC 24 Hr	RDL													Ave	Max	Min	Samples > AAQC			
	ng/m <sup>3</sup>	ng/m <sup>3</sup>	05-Jan-14	11-Jan-14	17-Jan-14	23-Jan-14	29-Jan-14	04-Feb-14	10-Feb-14	16-Feb-14	22-Feb-14	28-Feb-14	06-Mar-14	12-Mar-14	18-Mar-14	24-Mar-14	30-Mar-14	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.
1,2-Dimethylnaphthalene	x	0.330	0.680	0.990	1.400	1.700	1.100	1.200	1.100	0.630	0.850	1.600	0.910	0.810	0.780	1.100	0.630	1.032	1.700	0.630	x
1-Methylnaphthalene	x	0.660	0.680	1.700	3.600	4.100	2.400	1.300	1.500	0.830	2.000	3.200	1.400	1.200	1.100	2.000	1.100	1.874	4.100	0.680	x
1-Methylphenanthrene	x	0.660	0.330	0.820	0.790	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.393	0.820	0.330	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.710	1.600	3.600	5.500	2.600	2.100	2.500	1.000	2.000	4.600	1.700	1.300	1.200	2.100	1.000	2.234	5.500	0.710	x
2-Chloronaphthalene	x	0.660	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	x
2-Methylantracene	x	0.660	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	x
2-Methylnaphthalene	x	0.330	1.600	3.300	6.800	7.400	4.700	2.10	2.800	1.600	3.400	5.900	2.700	2.100	2.200	3.600	2.300	3.500	7.400	1.600	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	4.600	0.760	0.700	0.330	0.165	0.360	0.165	0.165	0.165	0.460	0.165	0.165	0.165	0.165	0.540	0.605	4.600	0.165	x
Acenaphthene	x	0.330	9.400	25.000	58.000	4.400	8.300	16.000	1.900	2.900	31.000	20.000	6.800	6.000	11.000	17.000	14.000	15.447	58.000	1.900	x
Acenaphthylene	x	0.330	0.165	0.520	0.730	1.000	0.480	1.000	0.570	0.330	0.330	0.680	0.380	0.330	0.165	0.430	0.165	0.485	1.000	0.165	x
Anthracene	x	0.330	1.100	1.900	2.000	0.330	0.165	0.330	0.165	0.165	1.100	0.165	0.165	0.165	0.165	0.165	0.660	0.593	2.000	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	0.560	0.165	0.165	0.165	0.330	0.165	0.202	0.560	0.165	x
Benzo(b)fluorene	x	0.660	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	x
Benzo(e)pyrene	x	0.660	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	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	0.660	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	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.660	1.500	2.300	4.500	3.600	2.600	2.400	2.000	1.200	2.500	4.400	1.600	1.200	1.600	2.600	1.700	2.380	4.500	1.200	x
Chrysene	x	0.330	0.165	0.165	0.165	0.410	0.165	0.165	0.165	0.165	0.165	0.650	0.165	0.165	0.165	0.165	0.165	0.214	0.650	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	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
Fluoranthene	x	0.330	4.900	7.600	7.400	1.400	1.200	2.000	0.660	0.660	4.700	3.000	1.700	1.500	2.400	2.000	5.700	3.121	7.600	0.660	x
Fluorene	x	0.330	25.000	45.000	54.000	2.800	4.400	9.800	1.700	1.900	35.000	8.600	4.600	8.400	13.000	11.000	28.000	16.880	54.000	1.700	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	0.660	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	x
Naphthalene	22500	0.660	1.900	3.000	4.800	6.800	4.000	2.800	2.800	1.400	2.200	3.700	2.900	2.000	1.500	2.500	1.900	2.947	6.800	1.400	0
o-Terphenyl	x	0.660	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	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	27.000	51.000	55.000	5.200	5.800	11.000	3.200	3.100	42.000	10.000	6.700	12.000	18.000	16.000	55.000	21.400	55.000	3.100	x
p-Terphenyl	x	0.660	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	x
Pyrene	x	0.330	2.000	3.500	3.300	1.000	0.900	1.400	0.720	0.540	2.400	1.600	0.820	0.750	0.890	1.100	2.000	1.528	3.500	0.540	x
Quinoline	x	1.30	0.65	0.65	1.50	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.71	1.50	0.65	x
Tetralin	x	0.660	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	x
Benzo(b)anthracene	x	0.660	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	x
Dibenzo(a,c)anthracene + Picene	x	0.660	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	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 1/2 the detection limit.

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

Note 3: Due to ambient air quality sampling methodology and laboratory analytics a Reportable Detection Limit (RDL) can fluctuate from sample to sample. Therefore the reported 1/2 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 1/2 detection limit reporting requirement.