



**Data Summary**  
**Q1, 2016**

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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 Q1, 2016**

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	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	ppb	ppm	ppb	µg/m³	µg/m³	ppb	ppm	µg/m³	ppb	ppb	ppb	%	%	%	%	%	%	
35020	January	2	0.70	40	0.93	4	1.79	81	4	1.82	114	29	45	0.3	0.23	10	14	18	31	99.9	88.3	100.0	99.9	99.9	99.9	99.9	99.9	99.9	
	February	1	0.22	25	0.31	4	0.46	67	4	0.56	90	18	31	0.3	0.16	7	10	13	23	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	
	March	1	0.36	34	0.63	5	1.24	87	6	1.49	134	24	44	0.2	0.19	10	13	19	31	99.5	99.6	99.7	98.9	98.9	98.9	98.9	98.9	98.9	
	<b>Q1 Arithmetic Mean</b>													0.2	0.19	9	12	17	29	99.7	95.9	99.9	99.5	99.5	99.5	99.5	99.5	99.5	

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 CAAQS		
Station	Month	SO2	NO2	CO	SO2	CO	NO2	SO2	CO	NO2	SO2	PM2.5	NO2	PM2.5	SO2	NO2	PM2.5	PM2.5	
		No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
35020	January	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
	February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Q1 Total</b>	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1

Data Statistics		Maximum 24 Hr Running Average			Maximum 8 Hr Running Average			Maximum 1 Hr Running Average			Maximum ½ Hr Running Average			Maximum 24 Hr Clock Average		Maximum 1 Hr Clock Average		Monthly Mean						Percent Valid Data					
Station	Month	SO2	CO	NO2	CO	SO2	CO	NO2	SO2	CO	NO2	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	ppb	ppm	ppb	µg/m³	µg/m³	ppb	ppm	µg/m³	ppb	ppb	ppb	%	%	%	%	%	%	
35021	January	2	0.84	42	1.04	3	1.55	62	3	1.65	65	34	48	0.3	0.27	12	11	17	28	96.4	96.4	96.5	96.4	96.4	96.4	96.4	96.4	96.4	
	February	1	0.32	24	0.48	2	0.93	53	3	0.98	54	21	31	0.2	0.22	9	5	14	19	99.7	99.9	100.0	99.6	99.6	99.6	99.6	99.6	99.6	
	March	2	0.52	40	0.79	6	1.19	63	6	1.24	65	27	38	0.5	0.26	11	10	20	30	99.7	99.5	99.6	99.5	99.5	99.5	99.5	99.5	99.5	
	<b>Q1 Arithmetic Mean</b>													0.4	0.25	11	9	17	26	98.6	98.6	98.7	98.5	98.5	98.5	98.5	98.5	98.5	

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 CAAQS		
Station	Month	SO2	NO2	CO	SO2	CO	NO2	SO2	CO	NO2	SO2	PM2.5	NO2	PM2.5	SO2	NO2	PM2.5	PM2.5	
		No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
35021	January	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	1
	February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	March	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	<b>Q1 Total</b>	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	1

Met. Statistics		Maximum 1 Hr Clock Average			Minimum 1 Hr Clock Average		Monthly Mean	Total Precipitation	Percent Valid Data							
Station	Month	WS	ATEM	PRECP	WS	ATEM	ATEM	PRECP	WS	WD	ATEM	SLR	BP	RH	PRECP	
		km/hr	°C	mm	km/hr	°C	°C	mm	%	%	%	%	%	%	%	
35021	January	19.2	11.3	4.7	0.0	-13.9	-2.2	37.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	
	February	21.2	16.5	6.0	0.5	-24.6	-1.0	39.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	March	16.7	19.4	5.8	0.0	-9.8	3.6	83.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	<b>Q1 Total</b>								160.8							
<b>Q1 Arithmetic Mean</b>							0.2			98.8	98.8	98.8	98.8	98.8	98.8	98.8

Data Statistics		Maximum 24 Hr Running Average			Maximum 8 Hr Running Average		Maximum 1 Hr Running Average			Maximum ½ Hr Running Average			Maximum 24 Hr Clock Average		Maximum 1 Hr Clock Average		Monthly Mean						Percent Valid Data					
Station	Month	SO2	CO	NO2	CO		SO2	CO	NO2	SO2	CO	NO2	PM2.5	PM2.5	SO2	CO	PM2.5	NO	NO2	NOX	SO2	CO	PM2.5	NO	NO2	NOX		
		ppb	ppm	ppb	ppm		ppb	ppm	ppb	ppb	ppm	ppb	µg/m³	µg/m³	ppb	ppm	µg/m³	ppb	ppb	ppb	%	%	%	%	%	%		
35022	January	2	0.53	39	0.64		5	0.82	53	6	0.83	55	24	30	0.4	0.22	9	9	18	27	99.9	99.9	100.0	99.9	99.9	99.9		
	February	1	0.20	23	0.25		3	0.37	45	3	0.41	46	18	37	0.2	0.14	7	6	15	21	99.7	99.7	99.9	99.7	99.7			
	March	1	0.29	40	0.47		5	0.81	63	5	0.82	63	26	59	0.1	0.15	10	10	21	31	99.6	99.6	99.7	98.9	98.9			
	<b>Q1 Arithmetic Mean</b>															0.2	0.17	9	8	18	27	99.7	99.7	99.9	99.5	99.5	99.5	

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 > CAAQS	
Station	Month	SO2	NO2	CO		SO2	CO	NO2	SO2	CO	NO2	SO2	PM2.5	NO2	PM2.5	No.
		No.	No.	No.		No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
35022	January	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	February	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	March	0	0	0		0	0	0	0	0	0	0	1	0	0	0
	<b>Q1 Total</b>	0	0	0		0	0	0	0	0	0	0	1	0	0	0

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	---

CAAQS (formerly CWS) PM2.5 Standard	
Period	PM2.5
	µg/m³
24 Hr	28

**Station** : 35020 **Sample Matrix** : Teflon Coated Filter  
**Location** : Wallace Avenue, Toronto **Method** : IO-3.1  
**Reporting Period** : 01 January, 2016 to 31 March, 2016 **Valid Samples - Number / %** : 16 / 100 %

Parameter	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
Name		Mercury	Arsenic	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Vanadium	Zinc
Units	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
AAQC	120	2	0.3	0.025	0.5	0.1	50	0.5	0.4	0.2	10	2	120
RDL	3	0.00001	0.0037	0.0012	0.0012	0.0012	0.0012	0.0018	0.00061	0.0018	0.0061	0.0012	0.0031
Date													
01-Jan-16	32	0.000010	0.00185	0.0006	0.0317	0.0006	0.0531	0.0088	0.0226	0.0047	0.00305	0.0253	0.1650
07-Jan-16	68	0.000010	0.00580	0.0006	0.0527	0.0015	0.2220	0.0156	0.0616	0.0113	0.00305	0.0292	0.2210
13-Jan-16	24	0.000005	0.00185	0.0006	0.0291	0.0006	0.0508	0.0086	0.0181	0.0041	0.00305	0.0237	0.1570
19-Jan-16	36	0.000005	0.00185	0.0006	0.0325	0.0006	0.0571	0.0105	0.0251	0.0060	0.00305	0.0255	0.1930
25-Jan-16	52	0.000020	0.00490	0.0006	0.0362	0.0006	0.0940	0.0147	0.0340	0.0058	0.00305	0.0288	0.6610
31-Jan-16	40	0.000020	0.00420	0.0006	0.0378	0.0006	0.0952	0.0153	0.0281	0.0058	0.00305	0.0302	0.6720
06-Feb-16	32	0.000010	0.00185	0.0006	0.0395	0.0006	0.0660	0.0115	0.0285	0.0057	0.00305	0.0323	0.7140
12-Feb-16	70	0.000020	0.00450	0.0020	0.0400	0.0013	0.0592	0.0125	0.0436	0.0064	0.00305	0.0324	0.6830
18-Feb-16	44	0.000005	0.00185	0.0006	0.0305	0.0006	0.0500	0.0109	0.0261	0.0059	0.00305	0.0269	0.5510
24-Feb-16	18	0.000005	0.00185	0.0006	0.0307	0.0006	0.0264	0.0112	0.0178	0.0048	0.00305	0.0284	0.5750
01-Mar-16	39	0.000020	0.00185	0.0013	0.0340	0.0006	0.0387	0.0106	0.0307	0.0060	0.00305	0.0302	0.6910
07-Mar-16	74	0.000020	0.00470	0.0006	0.0458	0.0013	0.1210	0.0124	0.0540	0.0068	0.00305	0.0312	0.6640
13-Mar-16	70	0.000020	0.00460	0.0006	0.036	0.0015	0.0447	0.0116	0.0531	0.0057	0.00305	0.0332	0.6790
19-Mar-16	23	0.000010	0.00370	0.0006	0.0348	0.0006	0.0441	0.0098	0.0271	0.009	0.00305	0.0331	0.7000
25-Mar-16	18	0.000005	0.00185	0.0006	0.0341	0.0006	0.0395	0.0105	0.0215	0.0052	0.00305	0.0309	0.8930
31-Mar-16	29	0.000020	0.00410	0.0006	0.0379	0.0006	0.0674	0.0119	0.0326	0.0060	0.00305	0.0312	0.6520
Ave	42	0.000013	0.00321	0.0007	0.0365	0.0008	0.0706	0.0117	0.0328	0.0062	0.00305	0.0295	0.5544
Max	74	0.000020	0.00580	0.0020	0.0527	0.0015	0.2220	0.0156	0.0616	0.0113	0.00305	0.0332	0.8930
Min	18	0.000005	0.00185	0.0006	0.0291	0.0006	0.0264	0.0086	0.0178	0.0041	0.00305	0.0237	0.1570
No. > AAQC	0	0	0	0	0	0	0	0	0	0	0	0	0

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

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

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

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

Station : 35020  
 Location : Wallace Avenue, Toronto  
 Reporting Period : 01 January, 2016 to 31 March, 2016  
 Sample Matrix : SUMMA Canisters  
 Method : GC/MS (TO15A)  
 Valid Samples - No. / % : 16 / 100%

Parameter	AAQC	RDL	Date																Ave	Max	Min	Samples						
	24 Hr		01-Jan-16	07-Jan-16	13-Jan-16	19-Jan-16	25-Jan-16	31-Jan-16	06-Feb-16	12-Feb-16	18-Feb-16	24-Feb-16	01-Mar-16	07-Mar-16	13-Mar-16	19-Mar-16	25-Mar-16	31-Mar-16	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	No.						
2,2,4-Trimethylpentane	x	0.934	0.467	1.180	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
Propene	4000	0.516	1.205	3.770	0.790	0.765	1.310	1.610	0.775	0.775	0.095	0.800	0.860	1.720	0.860	0.620	0.645	0.730	1.083	3.770	0.095	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	x	
Dichlorodifluoromethane	500000	0.989	4.7400	4.8800	3.4200	3.7300	3.7400	3.7100	3.9700	4.1600	3.6400	3.5700	4.0300	3.8700	4.0400	3.9000	3.6600	3.5700	3.9144	4.8800	3.4200	0						
Vinyl Chloride	1	0.051	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0						
1,2-Dichlorotetrafluoroethane	700000	1.19	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0	
1,3-Butadiene	10	0.11	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0						
Chloromethane	320	0.620	1.480	1.590	1.050	1.150	1.120	1.160	1.400	1.440	1.200	1.210	1.300	1.220	1.260	1.230	1.350	1.600	1.298	1.600	1.050	0						
Trichlorotrifluoroethane	800000	0.38	0.94	0.96	0.75	0.84	0.79	0.76	0.91	0.95	0.79	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0						
Vinyl Bromide	x	0.22	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	x						
Chloroethane	5600	0.792	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0						
Chloroform	1	0.24	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0						
1,2-Dichloroethane	2	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0						
Carbon Tetrachloride	2.4	0.31	0.660	0.650	0.560	0.640	0.630	0.640	0.470	0.480	0.690	0.700	0.760	0.880	0.720	0.760	0.340	0.340	0.620	0.880	0.340	0						
Trichlorofluoromethane	6000	1.12	2.12	2.32	1.51	1.69	1.65	1.65	1.86	1.88	1.60	1.63	1.89	1.86	1.73	1.72	1.60	1.59	1.77	2.32	1.51	0						
Benzene	2.3	0.16	0.76	2.90	0.56	0.62	0.88	0.92	0.88	0.77	0.80	0.73	0.70	1.50	0.69	0.57	0.83	0.70	0.93	2.90	0.56	1						
Ethanol	19000	1.88	5.470	32.800	3.280	4.330	6.320	10.800	6.700	5.830	7.550	6.320	5.610	18.900	11.500	5.110	7.290	5.580	8.962	32.800	3.280	0						
Trichloroethylene	12	0.27	0.135	0.440	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	2.46	1.230	5.860	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.519	5.860	1.230	0						
Bromodichloromethane	x	0.34	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	x						
2-Propanone	11880	1.90	2.90	8.56	2.13	2.36	3.69	5.07	3.34	2.82	2.72	3.51	5.58	86.30	6.68	2.88	3.59	6.16	9.27	86.30	2.13	0						
cis-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	x						
Methyl Ethyl Ketone	1000	2.95	1.475	5.490	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	2.107	5.490	1.475	0						
trans-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	x						
1,1,2-Trichloroethane	x	0.22	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	x						
Methyl Isobutyl Ketone	1200	4.10	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	0						
Dibromochloromethane	x	0.43	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	x						
Methyl Butyl Ketone	x	4.10	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	x						
Ethylene Dibromide	3	0.38	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0						
Methyl t-butyl ether (MTBE)	7000	0.721	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0						
1,1,2,2-Tetrachloroethane	x	0.34	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	x						
Ethyl Acetate	x	3.60	1.800	6.430	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	2.089	6.430	1.800	x						
1,1-Dichloroethylene	10	0.396	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0						
Benzyl chloride	x	0.26	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	x						
cis-1,2-Dichloroethylene	105	0.396	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0						
Hexachlorobutadiene	x	0.53	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	x						
trans-1,2-Dichloroethylene	105	0.396	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0						
Methylene Chloride	220	2.78	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	0						
1,1-Dichloroethane	165	0.405	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0						
1,1,1-Trichloroethane	115000	0.546	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0						
1,2-Dichloropropane	2400	0.462	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0						
Bromomethane	1350	0.388	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0						
Bromoform	55	2.07	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	0						
Heptane	11000	1.23	0.615	1.620	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	1.620	0.615	0						
Tetrachloroethylene	360	0.678	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0						
Toluene	2000	0.753	0.6120	13.0000	0.6640	1.0800	0.8210	1.4800	1.3200	0.9860	1.3800	1.7300	1.0000	3.3300	1.1400	0.6690	1.3500	1.3000	1.9914	13.0000	0.6120	0						
Ethylbenzene	1000	0.434	0.217	1.590	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	1.750	0.217	0.217	0.217	0.217	0.416	1.590	0.217	0						
p+m-Xylene	730	0.868	0.434	5.800	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	4.170	0.434	0.434	0.434	0.434	1.140	5.800	0.434	0						
o-Xylene	730	0.434	0.217	2.050	0.217	0.217	0.217																					

**Station** : 35020  
**Location** : Wallace Avenue, Toronto  
**Reporting Period** : 01 January, 2016 to 31 March, 2016

**Sample Matrix** : PUF Cartridge  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 16 / 100%

Parameter	AAQC 24 Hr	RDL	01-Jan-16	07-Jan-16	13-Jan-16	19-Jan-16	25-Jan-16	31-Jan-16	06-Feb-16	12-Feb-16	18-Feb-16	24-Feb-16	01-Mar-16	07-Mar-16	13-Mar-16	19-Mar-16	25-Mar-16	31-Mar-16	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>	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>	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>	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	0.370	0.970	0.430	0.530	0.390	0.480	0.680	0.670	0.580	0.165	0.850	0.920	0.330	0.480	0.730	0.510	0.568	0.970	0.165	x
1-Methylnaphthalene	x	0.660	0.710	6.400	0.980	1.200	0.640	0.330	1.500	1.700	1.200	1.500	1.100	1.400	0.330	2.000	2.600	0.330	1.495	6.400	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	0.700	0.353	0.700	0.330	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.520	4.500	0.890	1.200	0.580	0.770	2.200	2.400	1.400	1.100	1.800	1.800	0.400	1.500	1.600	0.510	1.448	4.500	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	1.200	10.000	1.600	1.800	1.100	0.930	2.800	3.000	2.200	2.500	1.900	2.700	0.570	3.600	4.400	0.570	2.554	10.000	0.570	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	0.530	0.165	0.165	0.165	0.450	0.165	0.165	0.165	0.165	0.165	0.590	0.165	0.165	0.165	0.510	0.254	0.590	0.165	x
Acenaphthene	x	0.330	3.800	21.000	1.600	5.100	2.200	3.300	4.600	4.100	1.300	3.300	1.600	14.000	0.730	5.500	6.100	3.100	5.083	21.000	0.730	x
Acenaphthylene	x	0.330	0.165	4.400	0.340	0.530	0.165	0.165	0.165	0.350	0.165	0.430	0.570	1.400	0.165	0.165	0.820	0.165	0.635	4.400	0.165	x
Anthracene	x	0.330	0.165	1.000	0.165	0.165	0.165	0.480	0.165	0.165	0.165	0.330	0.165	1.100	0.165	0.165	0.350	0.790	0.356	1.100	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	1.000	5.500	1.300	1.300	0.960	0.330	1.400	1.700	1.000	1.100	1.500	2.200	0.330	1.700	1.500	0.330	1.447	5.500	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	0.400	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.180	0.400	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	1.100	3.200	0.490	1.000	1.300	3.500	1.200	0.730	0.430	1.300	0.630	4.100	1.300	0.770	2.000	6.900	1.872	6.900	0.430	x
Fluorene	x	0.330	3.500	17.000	1.300	3.800	3.900	9.800	5.600	2.800	1.100	3.200	1.600	16.000	5.100	4.100	6.500	9.100	5.900	17.000	1.100	x
Indeno(1,2,3-cd)pyrene	x	0.330	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	0.165	0.165	0.165	0.175	0.330	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	1.400	6.600	1.800	1.500	2.200	0.960	2.300	2.700	1.600	2.200	1.870	2.700	0.730	2.700	5.900	0.660	2.364	6.600	0.660	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	4.600	19.000	2.300	5.400	5.500	17.000	7.200	3.800	2.000	6.000	2.800	25.000	9.400	5.600	9.900	28.000	9.594	28.000	2.000	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	0.490	1.800	0.330	0.650	0.680	1.400	0.550	0.440	0.370	0.740	0.600	1.800	0.570	0.380	0.890	2.600	0.893	2.600	0.330	x
Quinoline	x	1.30	0.65	1.40	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.70	1.40	0.65	x
Tetraol	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** : 35020  
**Location** : Wallace Avenue, Toronto  
**Reporting Period** : 01 January, 2016 to 31 March, 2016

**Sample Matrix** : 102mm GF Filter  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 16 / 100%

Parameter	AAQC 24 Hr	RDL	01-Jan-16	07-Jan-16	13-Jan-16	19-Jan-16	25-Jan-16	31-Jan-16	06-Feb-16	12-Feb-16	18-Feb-16	24-Feb-16	01-Mar-16	07-Mar-16	13-Mar-16	19-Mar-16	25-Mar-16	31-Mar-16	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>	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>	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>	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	0.950	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.214	0.950	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	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	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	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	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	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	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	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	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	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	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	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	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	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.440	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.182	0.440	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	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	0.440	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0.337	0.440	<0.330	1	
Benzo(b)fluoranthene	x	0.330	0.165	1.200	0.370	0.330	0.480	0.165	0.165	0.165	0.165	0.165	0.165	0.490	0.400	0.165	0.165	0.165	0.308	1.200	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	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	0.330	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.630	0.165	0.165	0.320	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.204	0.630	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	0.330	x
Benzo(k)fluoranthene	x	0.330	0.165	0.530	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.188	0.530	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	0.330	x
Chrysene	x	0.330	0.165	0.970	0.580	0.165	0.390	0.165	0.165	0.165	0.165	0.165	0.165	0.460	0.165	0.165	0.165	0.165	0.274	0.970	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	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	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	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	0.165	x
Fluoranthene	x	0.330	0.165	1.400	0.860	0.530	0.610	0.330	0.165	0.540	0.165	0.165	0.165	0.690	0.600	0.540	0.630	0.330	0.493	1.400	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	0.165	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.440	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.182	0.440	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	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	0.330	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	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	0.65	x
Phenanthrene	x	0.330	0.165	0.810	0.330	0.165	0.350	0.165	0.165	0.165	0.165	0.165	0.165	0.490	0.530	0.350	0.570	0.165	0.307	0.810	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	0.330	x
Pyrene	x	0.330	0.165	0.840	0.430	0.330	0.420	0.165	0.165	0.330	0.165	0.165	0.165	0.390	0.430	0.380	0.410	0.165	0.320	0.840	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	0.65	x
Tetraol	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	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	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	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	0.165	x

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

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

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



**Station** : 35020  
**Location** : Wallace Avenue, Toronto  
**Reporting Period** : 01 January, 2016 to 31 March, 2016

**Sample Matrix** : PUF + Filter  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 16 / 100%

Parameter	AAQC 24 Hr	RDL	01-Jan-16	07-Jan-16	13-Jan-16	19-Jan-16	25-Jan-16	31-Jan-16	06-Feb-16	12-Feb-16	18-Feb-16	24-Feb-16	01-Mar-16	07-Mar-16	13-Mar-16	19-Mar-16	25-Mar-16	31-Mar-16	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>	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>	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>	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	1.300	0.970	0.430	0.530	0.390	0.480	0.680	0.670	0.580	0.165	0.850	0.920	0.330	0.480	0.730	0.510	0.626	1.300	0.165	x
1-Methylnaphthalene	x	0.660	0.710	6.400	0.980	1.200	0.640	0.330	1.500	1.700	1.200	1.500	1.100	1.400	0.330	2.000	2.600	0.330	1.495	6.400	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	0.700	0.353	0.700	0.330	0.330	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.520	4.500	0.890	1.200	0.580	0.770	2.200	2.400	1.400	1.100	1.800	1.800	0.400	1.500	1.600	0.510	1.448	4.500	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	1.200	10.000	1.600	1.800	1.100	0.930	2.800	3.000	2.200	2.500	1.900	2.700	0.570	3.600	4.400	0.570	2.554	10.000	0.570	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	0.530	0.165	0.165	0.165	0.450	0.165	0.165	0.165	0.165	0.165	0.590	0.165	0.165	0.165	0.510	0.254	0.590	0.165	x
Acenaphthene	x	0.330	3.800	21.000	1.600	5.100	2.200	3.300	4.600	4.100	1.300	3.300	1.600	14.000	0.730	5.500	6.100	3.100	5.083	21.000	0.730	x
Acenaphthylene	x	0.330	0.165	4.400	0.340	0.530	0.165	0.165	0.165	0.350	0.165	0.430	0.570	1.400	0.165	0.165	0.820	0.165	0.635	4.400	0.165	x
Anthracene	x	0.330	0.165	1.000	0.165	0.165	0.165	0.480	0.165	0.165	0.165	0.330	0.165	1.100	0.165	0.165	0.350	0.790	0.356	1.100	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.440	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.182	0.440	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	0.440	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0.337	0.440	<0.330	1
Benzo(b)fluoranthene	x	0.330	0.165	1.200	0.370	0.330	0.480	0.165	0.165	0.165	0.165	0.165	0.165	0.490	0.400	0.165	0.165	0.165	0.308	1.200	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	0.630	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	0.204	0.630	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	0.530	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.188	0.530	0.165	x
Biphenyl	x	0.660	1.000	5.500	1.300	1.300	0.960	0.330	1.400	1.700	1.000	1.100	1.500	2.200	0.330	1.700	1.500	0.330	1.447	5.500	0.330	x
Chrysene	x	0.330	0.165	0.970	0.580	0.165	0.390	0.165	0.165	0.165	0.165	0.165	0.165	0.460	0.165	0.165	0.165	0.165	0.274	0.970	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	0.400	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.180	0.400	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	1.100	4.600	1.400	1.500	1.900	3.500	1.200	1.300	0.430	1.300	0.630	4.800	1.900	0.770	2.600	7.200	2.258	7.200	0.430	x
Fluorene	x	0.330	3.500	17.000	1.300	3.800	3.900	9.800	5.600	2.800	1.100	3.200	1.600	16.000	5.100	4.100	6.500	9.100	5.900	17.000	1.100	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.440	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	0.193	0.440	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	1.400	6.600	1.800	1.500	2.200	0.960	2.300	2.700	1.600	2.200	1.870	2.700	0.730	2.700	5.900	0.660	2.364	6.600	0.660	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	4.600	20.000	2.600	5.400	5.500	17.000	7.200	3.800	2.000	6.000	2.800	25.000	10.000	5.600	10.500	28.000	9.750	28.000	2.000	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	0.490	2.600	0.760	0.980	1.100	1.400	0.550	0.770	0.370	0.740	0.600	2.000	1.000	0.380	1.300	2.600	1.103	2.600	0.370	x
Quinoline	x	1.30	0.65	1.40	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.70	1.40	0.65	x
Tetraol	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** : 35021 **Sample Matrix** : Teflon Coated Filter  
**Location** : Weston Road, Toronto **Method** : IO-3.1  
**Reporting Period** : 01 January, 2016 to 31 March, 2016 **Valid Samples - Number / %** : 16 / 100%

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

Date	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
01-Jan-16	45	0.000005	0.00185	0.0006	0.0343	0.0006	0.0231	0.0089	0.0273	0.0048	0.00305	0.0297	0.1540
07-Jan-16	92	0.000020	0.00450	0.0006	0.0622	0.0014	0.2800	0.0151	0.0717	0.0077	0.00305	0.0307	0.2380
13-Jan-16	26	0.000005	0.00185	0.0006	0.0258	0.0006	0.0179	0.0062	0.0159	0.0038	0.00305	0.0238	0.1390
19-Jan-16	53	0.000005	0.00185	0.0006	0.0311	0.0006	0.0383	0.0084	0.0261	0.0059	0.00305	0.0258	0.5600
25-Jan-16	61	0.000030	0.00490	0.0006	0.0337	0.0013	0.0385	0.0174	0.0317	0.0057	0.00305	0.0303	0.6540
31-Jan-16	42	0.000030	0.00500	0.0006	0.0391	0.0006	0.0978	0.0150	0.0296	0.0058	0.00305	0.0297	0.6320
06-Feb-16	38	0.000010	0.00185	0.0015	0.0342	0.0006	0.0311	0.0095	0.0285	0.0054	0.00305	0.0293	0.6360
12-Feb-16	70	0.000010	0.00185	0.0036	0.0372	0.0006	0.0380	0.0087	0.0383	0.0062	0.00305	0.0311	0.6130
18-Feb-16	87	0.000010	0.00185	0.0006	0.0364	0.0006	0.0863	0.0142	0.0398	0.0065	0.00305	0.0294	0.7540
24-Feb-16	28	0.000010	0.00185	0.0006	0.0340	0.0006	0.0444	0.0123	0.0234	0.0050	0.00305	0.0292	0.6580
01-Mar-16	43	0.000020	0.00185	0.0006	0.0353	0.0006	0.0491	0.0090	0.0271	0.0058	0.00305	0.0295	0.7410
07-Mar-16	102	0.000020	0.00410	0.0006	0.0548	0.0013	0.2030	0.0134	0.0755	0.0077	0.00305	0.0323	0.9600
13-Mar-16	37	0.000005	0.00430	0.0006	0.037	0.0006	0.0797	0.0103	0.0352	0.0054	0.00305	0.0313	0.7220
19-Mar-16	32	0.000010	0.00420	0.0006	0.0371	0.0012	0.0725	0.0100	0.0343	0.0053	0.00305	0.0320	0.7930
25-Mar-16	30	0.000005	0.00380	0.0006	0.0428	0.0006	0.1100	0.0122	0.0353	0.0058	0.00305	0.0328	0.9170
31-Mar-16	25	0.000030	0.00185	0.0006	0.0341	0.0006	0.0392	0.0125	0.0302	0.0053	0.00305	0.0301	0.7030
<b>Ave</b>	51	0.000014	0.00297	0.0008	0.0381	0.0008	0.0781	0.0114	0.0356	0.0058	0.00305	0.0298	0.6171
<b>Max</b>	102	0.000030	0.00500	0.0036	0.0622	0.0014	0.2800	0.0174	0.0755	0.0077	0.00305	0.0328	0.9600
<b>Min</b>	25	0.000005	0.00185	0.0006	0.0258	0.0006	0.0179	0.0062	0.0159	0.0038	0.00305	0.0238	0.1390
<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** : 35021  
**Location** : Weston Road, Toronto  
**Reporting Period** : 01 January, 2016 to 31 March, 2016

**Sample Matrix** : PUF Cartridge  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 15 / 93.8 %

Parameter	AAQC 24 Hr	RDL	01-Jan-16	07-Jan-16	13-Jan-16	19-Jan-16	25-Jan-16	31-Jan-16	06-Feb-16	12-Feb-16	18-Feb-16	24-Feb-16	01-Mar-16	07-Mar-16	13-Mar-16	19-Mar-16	25-Mar-16	31-Mar-16	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>	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>	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>	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	0.460	1.000	0.480	0.450	0.420	0.370	1.300	0.500	0.780	0.500		0.550	0.360	0.165	0.650	0.165	0.543	1.300	0.165	x
1-Methylnaphthalene	x	0.660	0.980	5.600	1.300	0.760	0.820	0.330	2.300	1.600	1.900	0.890		0.330	0.890	0.890	2.400	0.330	1.421	5.600	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	0.980	4.000	1.200	0.800	0.720	0.165	1.800	1.200	2.000	1.000		0.720	0.690	0.540	1.500	0.165	1.165	4.000	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-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	x
2-Methylnaphthalene	x	0.330	1.300	8.700	2.000	1.300	1.300	0.370	4.000	2.700	3.200	1.700		1.200	1.700	1.500	4.100	0.165	2.349	8.700	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-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	0.165	0.610	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.195	0.610	0.165	x
Acenaphthene	x	0.330	0.165	7.400	0.570	1.200	0.880	0.570	0.165	1.100	2.100	7.500		5.200	7.100	2.900	6.800	0.430	2.939	7.500	0.165	x
Acenaphthylene	x	0.330	0.360	5.200	0.450	0.410	0.520	0.165	0.165	0.360	1.100	0.530		0.165	0.165	0.165	0.920	0.165	0.723	5.200	0.165	x
Anthracene	x	0.330	0.165	0.840	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.530		0.690	0.530	0.165	0.165	0.165	0.294	0.840	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	0.810	4.000	1.300	0.760	1.000	0.330	2.700	1.400	1.900	1.400		0.860	1.100	0.670	1.800	0.330	1.357	4.000	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	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	0.490	2.200	0.450	0.450	1.100	1.700	1.500	0.460	0.910	2.200		2.400	2.100	1.100	1.300	1.800	1.344	2.400	0.450	x
Fluorene	x	0.330	0.810	8.200	0.800	1.000	2.200	4.000	2.900	1.000	1.800	9.500		8.600	12.000	1.600	5.200	2.100	4.114	12.000	0.800	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	1.200	10.000	1.800	1.500	1.500	0.330	5.300	3.200	2.800	1.800		1.300	1.400	1.700	4.400	0.330	2.571	10.000	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	1.600	11.000	1.600	1.800	3.600	7.400	5.600	1.800	3.300	13.000		13.000	16.000	7.200	7.100	7.200	6.747	16.000	1.600	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	0.330	1.700	0.380	0.380	0.620	0.940	1.100	0.400	0.880	0.960		1.100	0.990	0.540	0.690	0.860	0.791	1.700	0.330	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
Tetraol	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

Equipment Error - Sample Invalid

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

**Station** : 35021  
**Location** : Weston Road, Toronto  
**Reporting Period** : 01 January, 2016 to 31 March, 2016

**Sample Matrix** : 102mm GF Filter  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 15 / 93.8 %

Parameter	AAQC 24 Hr	RDL	01-Jan-16	07-Jan-16	13-Jan-16	19-Jan-16	25-Jan-16	31-Jan-16	06-Feb-16	12-Feb-16	18-Feb-16	24-Feb-16	01-Mar-16	07-Mar-16	13-Mar-16	19-Mar-16	25-Mar-16	31-Mar-16	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>		ng/m <sup>3</sup>	Equipment Error - Sample Invalid												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-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	0.350	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.177	0.350	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	0.390	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0.334	0.390	<0.330	1
Benzo(b)fluoranthene	x	0.330	0.165	1.100	0.165	0.165	0.460	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.247	1.100	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	0.680	0.830	0.165	0.390	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.259	0.830	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	0.840	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.210	0.840	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	0.890	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.213	0.890	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	0.830	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.209	0.830	0.165	x	
Fluoranthene	x	0.330	0.165	0.870	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	0.223	0.870	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	0.420	0.800	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.224	0.800	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	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
p-Terphenyl	x	0.660	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	0.680	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.199	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	0.65	x
Tetraol	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** : 35021  
**Location** : Weston Road, Toronto  
**Reporting Period** : 01 January, 2016 to 31 March, 2016

**Sample Matrix** : PUF + Filter  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 15 / 93.8 %

Parameter	AAQC 24 Hr	RDL	01-Jan-16	07-Jan-16	13-Jan-16	19-Jan-16	25-Jan-16	31-Jan-16	06-Feb-16	12-Feb-16	18-Feb-16	24-Feb-16	01-Mar-16	07-Mar-16	13-Mar-16	19-Mar-16	25-Mar-16	31-Mar-16	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>	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>	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>	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	0.460	1.000	0.480	0.450	0.420	0.370	1.300	0.500	0.780	0.500		0.550	0.360	0.165	0.650	0.165	0.543	1.300	0.165	x
1-Methylnaphthalene	x	0.660	0.980	5.600	1.300	0.760	0.820	0.330	2.300	1.600	1.900	0.890		0.330	0.890	0.890	2.400	0.330	1.421	5.600	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	0.980	4.000	1.200	0.800	0.720	0.165	1.800	1.200	2.000	1.000		0.720	0.690	0.540	1.500	0.165	1.165	4.000	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-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	x
2-Methylnaphthalene	x	0.330	1.300	8.700	2.000	1.300	1.300	0.370	4.000	2.700	3.200	1.700		1.200	1.700	1.500	4.100	0.165	2.349	8.700	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-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	0.165	0.610	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.195	0.610	0.165	x
Acenaphthene	x	0.330	0.165	7.400	0.570	1.200	0.880	0.570	0.165	1.100	2.100	7.500		5.200	7.100	2.900	6.800	0.430	2.939	7.500	0.165	x
Acenaphthylene	x	0.330	0.360	5.200	0.450	0.410	0.520	0.165	0.165	0.360	1.100	0.530		0.165	0.165	0.165	0.920	0.165	0.723	5.200	0.165	x
Anthracene	x	0.330	0.165	0.840	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.530		0.690	0.530	0.165	0.165	0.165	0.294	0.840	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.350	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.177	0.350	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	0.390	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330		<0.330	<0.330	<0.330	<0.330	<0.330	0.334	0.390	<0.330	1
Benzo(b)fluoranthene	x	0.330	0.165	1.100	0.165	0.165	0.460	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.247	1.100	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	0.680	0.165	0.165	0.390	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.214	0.680	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	0.810	4.000	1.300	0.760	1.000	0.330	2.700	1.400	1.900	1.400		0.860	1.100	0.670	1.800	0.330	1.357	4.000	0.330	x
Chrysene	x	0.330	0.165	0.840	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.210	0.840	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	0.490	3.100	0.450	0.450	1.400	1.700	1.500	0.460	0.910	2.200		2.400	2.100	1.100	1.300	1.800	1.424	3.100	0.450	x
Fluorene	x	0.330	0.810	8.200	0.800	1.000	2.200	4.000	2.900	1.000	1.800	9.500		8.600	12.000	1.600	5.200	2.100	4.114	12.000	0.800	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.420	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	0.165	0.165	0.182	0.420	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	1.200	10.000	1.800	1.500	1.500	0.330	5.300	3.200	2.800	1.800		1.300	1.400	1.700	4.400	0.330	2.571	10.000	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	1.600	11.000	1.600	1.800	3.600	7.400	5.600	1.800	3.300	13.000		13.000	16.000	7.200	7.100	7.200	6.747	16.000	1.600	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	0.330	2.400	0.380	0.380	0.620	0.940	1.100	0.400	0.880	0.960		1.100	0.990	0.540	0.690	0.860	0.838	2.400	0.330	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
Tetraol	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

Equipment Error - Sample Invalid

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

<b>Station</b>	: 35022	<b>Sample Matrix</b>	: Teflon Coated Filter
<b>Location</b>	: Strachan Avenue, Toronto	<b>Method</b>	: IO-3.1
<b>Reporting Period</b>	: 01 January, 2016 to 31 March, 2016	<b>Valid Samples - Number / %</b>	: 16 / 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
01-Jan-16	32	0.000005	0.00185	0.0006	0.0361	0.0006	0.0599	0.0102	0.0226	0.0051	0.00305	0.0298	0.1960
07-Jan-16	68	0.000010	0.00185	0.0006	0.0415	0.0013	0.1660	0.0156	0.0498	0.0065	0.00305	0.0277	0.2590
13-Jan-16	37	0.000010	0.00185	0.0006	0.0300	0.0006	0.0468	0.0077	0.0194	0.0044	0.00305	0.0259	0.1520
19-Jan-16	39	0.000005	0.00185	0.0006	0.0331	0.0006	0.0410	0.0097	0.0226	0.0058	0.00305	0.0287	0.6110
25-Jan-16	49	0.000030	0.00450	0.0006	0.0340	0.0013	0.1140	0.0180	0.0340	0.0060	0.00305	0.0294	0.6370
31-Jan-16	34	0.000020	0.00430	0.0006	0.0355	0.0013	0.1030	0.0155	0.0255	0.0062	0.00305	0.0307	0.6840
06-Feb-16	29	0.000020	0.00370	0.0006	0.0340	0.0006	0.0593	0.0106	0.0267	0.0057	0.00305	0.0288	0.5710
12-Feb-16	77	0.000020	0.00185	0.0006	0.0377	0.0014	0.0552	0.0134	0.0504	0.0079	0.00305	0.0321	0.7050
18-Feb-16	48	0.000005	0.00185	0.0006	0.0335	0.0006	0.0727	0.0128	0.0275	0.0061	0.00305	0.0289	0.5880
24-Feb-16	18	0.000005	0.00185	0.0006	0.0284	0.0006	0.0339	0.0109	0.0161	0.0046	0.00305	0.0261	0.6870
01-Mar-16	31	0.000020	0.00185	0.0006	0.0347	0.0006	0.0403	0.0119	0.0265	0.0060	0.00305	0.0313	0.8510
07-Mar-16	78	0.000020	0.00420	0.0006	0.0410	0.0013	0.1350	0.0121	0.0531	0.0071	0.00305	0.0324	0.7580
13-Mar-16	31	0.000010	0.00420	0.0006	0.0345	0.0013	0.0612	0.0107	0.0314	0.0055	0.00305	0.0328	0.8850
19-Mar-16	18	0.000005	0.00400	0.0006	0.0305	0.0006	0.0611	0.0098	0.0213	0.0047	0.00305	0.0303	0.5640
25-Mar-16	19	0.000005	0.00185	0.0006	0.0346	0.0006	0.0658	0.0107	0.0216	0.0053	0.00305	0.0310	0.9170
31-Mar-16	25	0.000005	0.00370	0.0006	0.0360	0.0006	0.1260	0.0124	0.0272	0.0057	0.00305	0.0317	0.9450
<b>Ave</b>	40	0.000012	0.00283	0.0006	0.0347	0.0009	0.0776	0.0120	0.0297	0.0058	0.00305	0.0299	0.6256
<b>Max</b>	78	0.000030	0.00450	0.0006	0.0415	0.0014	0.1660	0.0180	0.0531	0.0079	0.00305	0.0328	0.9450
<b>Min</b>	18	0.000005	0.00185	0.0006	0.0284	0.0006	0.0339	0.0077	0.0161	0.0044	0.00305	0.0259	0.1520
<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 : 35022  
 Location : Strachan Avenue, Toronto  
 Reporting Period : 01 January, 2016 to 31 March, 2016  
 Sample Matrix : SUMMA Canisters  
 Method : GC/MS (TO15A)  
 Valid Samples - No. / % : 16 / 100%

Parameter	AAQC	RDL	Date																Ave	Max	Min	Samples	
	24 Hr		01-Jan-16	07-Jan-16	13-Jan-16	19-Jan-16	25-Jan-16	31-Jan-16	06-Feb-16	12-Feb-16	18-Feb-16	24-Feb-16	01-Mar-16	07-Mar-16	13-Mar-16	19-Mar-16	25-Mar-16	31-Mar-16	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	No.	
2,2,4-Trimethylpentane	x	0.934	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	x
Carbon Disulfide	330	1.56	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	12.9	0.78	0.78	0.78	1.54	12.90	0.78	0	
Propene	4000	0.516	1.405	2.410	0.860	0.790	1.290	1.565	1.035	0.810	0.725	0.730	0.860	1.720	0.860	0.560	0.690	0.690	1.063	2.410	0.560	0	
Vinyl Acetate	x	0.704	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	x	
Dichlorodifluoromethane	500000	0.989	4.6600	4.7000	3.6700	3.6900	3.7200	3.6700	4.1300	4.3300	3.6200	3.5900	3.8200	3.9300	3.8200	3.8400	3.5900	3.6000	3.8988	4.7000	3.5900	0	
Vinyl Chloride	1	0.051	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0	
1,2-Dichlorotetrafluoroethane	700000	1.19	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0	
1,3-Butadiene	10	0.11	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0	
Chloroethane	320	0.620	1.460	1.500	1.180	1.140	1.200	1.180	1.470	1.590	1.230	1.330	1.150	1.230	1.220	1.230	1.310	1.330	1.297	1.590	1.140	0	
Trichlorotrifluoroethane	800000	0.38	0.96	0.95	0.79	0.79	0.81	0.81	0.94	0.95	0.78	0.77	0.84	0.87	0.81	0.84	0.79	0.79	0.84	0.96	0.77	0	
Vinyl Bromide	x	0.22	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	x	
Chloroethane	5600	0.792	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0	
Chloroform	1	0.24	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0	
1,2-Dichloroethane	2	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0	
Carbon Tetrachloride	2.4	0.31	0.680	0.680	0.640	0.640	0.620	0.630	0.550	0.540	0.700	0.740	0.840	0.900	0.760	0.760	0.350	0.340	0.648	0.900	0.340	0	
Trichlorofluoromethane	6000	1.12	2.18	2.19	1.65	1.66	1.68	1.66	1.97	2.00	1.61	1.64	1.81	1.87	1.70	1.73	1.62	1.63	1.79	2.19	1.61	0	
Benzene	2.3	0.16	0.75	2.00	0.64	0.66	0.80	0.86	0.87	0.77	0.66	0.60	0.60	1.20	0.66	0.56	0.78	0.56	0.81	2.00	0.56	0	
Ethanol	19000	1.88	6.830	26.300	2.790	4.680	2.890	9.600	6.670	3.980	4.540	4.080	4.310	10.300	10.300	4.190	6.400	9.940	6.800	26.300	0.940	0	
Trichloroethylene	12	0.27	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0	
2-propanol	7300	2.46	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	0	
Bromodichloromethane	x	0.34	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	x	
2-Propanone	11880	1.90	6.11	4.63	2.14	2.09	2.85	4.23	3.71	2.65	2.82	4.73	5.25	5.92	5.03	2.85	3.65	4.19	3.93	6.11	2.09	0	
cis-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	x	
Methyl Ethyl Ketone	1000	2.95	1.475	3.48	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.600	3.480	1.475	0	
trans-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	x	
1,1,2-Trichloroethane	x	0.22	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	x	
Methyl Isobutyl Ketone	1200	4.10	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	0	
Dibromochloromethane	x	0.43	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	x	
Methyl Butyl Ketone	x	4.10	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	2.050	x	
Ethylene Dibromide	3	0.38	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0	
Methyl t-butyl ether (MTBE)	7000	0.721	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0	
1,1,2,2-Tetrachloroethane	x	0.34	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	x	
Ethyl Acetate	x	3.60	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	x	
1,1-Dichloroethylene	10	0.396	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0	
Benzyl chloride	x	0.26	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	x	
cis-1,2-Dichloroethylene	105	0.396	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0	
Hexachlorobutadiene	x	0.53	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	x	
trans-1,2-Dichloroethylene	105	0.396	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0.1980	0	
Methylene Chloride	220	2.78	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	0	
1,1-Dichloroethane	165	0.405	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0	
1,1,1-Trichloroethane	115000	0.546	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0	
1,2-Dichloropropane	2400	0.462	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0	
Bromomethane	1350	0.388	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0.1940	0	
Bromoform	55	2.07	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	0	
Heptane	11000	1.23	0.615	0.615	0.615	0.615	0.615	0.615	0.615	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	0.678	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0	
Toluene	2000	0.753	0.4940	3.2400	0.5630	0.8750	0.4760	0.8020	1.2000	0.7180	0.6090	0.7910	0.4290	2.2800	0.6210	0.3930	0.9570	0.6040	0.9408	3.2400	0.3930	0	
Ethylbenzene	1000	0.434	0.217	0.522	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.236	0.522	0.217	0	
p+m-Xylene	730	0.868	0.434	1.670	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.511	1.670	0.434	0	
o-Xylene	730	0.434	0.217	0.605	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.241	0.605	0.217	0	
Styrene	400	0.426	0.213	0.21																			



**Station** : 35022  
**Location** : Strachan Avenue, Toronto  
**Reporting Period** : 01 January, 2016 to 31 March, 2016

**Sample Matrix** : PUF Cartridge  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 15 / 93.8 %

Parameter	AAQC 24 Hr	RDL	01-Jan-16	07-Jan-16	13-Jan-16	19-Jan-16	25-Jan-16	31-Jan-16	06-Feb-16	12-Feb-16	18-Feb-16	24-Feb-16	01-Mar-16	07-Mar-16	13-Mar-16	19-Mar-16	25-Mar-16	31-Mar-16	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>	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>	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>	ng/m <sup>3</sup>	ng/m <sup>3</sup>				
1,2-Dimethylnaphthalene	x	0.330	0.390	0.880	0.490	0.165	0.400	0.370	0.330	0.490	0.580	0.560	0.840	1.500	0.450	0.420	0.610		0.565	1.500	0.165	x
1-Methylnaphthalene	x	0.660	0.780	7.100	1.200	1.100	0.330	0.330	0.330	1.800	1.200	2.200	1.400	4.500	0.910	1.600	1.800		1.772	7.100	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	0.650	4.200	1.100	0.310	0.630	0.340	0.530	1.300	1.500	1.500	1.700	4.600	1.100	1.000	1.300		1.451	4.600	0.310	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-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	x
2-Methylnaphthalene	x	0.330	1.300	12.000	2.100	1.700	1.000	0.640	1.100	3.300	1.800	4.100	2.400	8.100	1.600	2.800	3.000		3.129	12.000	0.640	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	0.165	0.390	0.165	0.165	0.165	0.370	0.165	0.165	0.165	0.165	0.165	0.750	0.330	0.165	0.165		0.244	0.750	0.165	x
Acenaphthene	x	0.330	5.900	32.000	4.000	6.000	2.000	3.000	2.700	6.100	3.300	12.000	4.800	43.000	8.000	5.300	8.900		9.800	43.000	2.000	x
Acenaphthylene	x	0.330	0.460	5.500	0.550	0.770	0.165	0.165	0.165	0.330	0.450	0.520	0.590	1.900	0.165	0.165	0.640		0.836	5.500	0.165	x
Anthracene	x	0.330	0.165	0.750	0.520	0.165	0.165	0.165	0.165	0.390	0.490	1.300	0.165	1.500	0.165	0.165	0.550		0.455	1.500	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	1.100	5.700	1.700	1.200	0.930	0.330	0.900	2.000	1.500	2.000	1.600	5.800	1.100	1.200	1.400		1.897	5.800	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	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	1.400	3.200	1.300	0.960	1.600	3.200	1.200	1.100	1.300	3.700	1.000	5.800	2.400	0.840	3.100		2.140	5.800	0.840	x
Fluorene	x	0.330	4.500	19.000	3.000	3.400	4.200	7.700	4.000	3.600	3.100	12.000	3.400	32.000	12.000	5.200	9.500		8.440	32.000	3.000	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	1.600	13.000	1.900	1.900	1.700	0.920	1.200	3.900	1.600	5.200	2.700	7.800	1.100	2.800	3.700		3.401	13.000	0.920	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	6.200	19.000	5.900	4.900	6.500	15.000	6.000	5.800	5.900	20.000	4.900	43.000	18.000	6.600	15.000		12.180	43.000	4.900	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	0.720	2.000	0.850	0.680	0.660	1.300	0.630	0.620	0.880	1.700	0.590	2.300	1.000	0.390	1.400		1.048	2.300	0.390	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	1.70	0.65	0.65	0.65		0.72	1.70	0.65	x
Tetraol	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

Equipment Error - Sample Invalid

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

**Station** : 35022  
**Location** : Strachan Avenue, Toronto  
**Reporting Period** : 01 January, 2016 to 31 March, 2016

**Sample Matrix** : 102mm GF Filter  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 15 / 93.8 %

Parameter	AAQC 24 Hr	RDL	01-Jan-16	07-Jan-16	13-Jan-16	19-Jan-16	25-Jan-16	31-Jan-16	06-Feb-16	12-Feb-16	18-Feb-16	24-Feb-16	01-Mar-16	07-Mar-16	13-Mar-16	19-Mar-16	25-Mar-16	31-Mar-16	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>	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>	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>	ng/m <sup>3</sup>	ng/m <sup>3</sup>				
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	0.176	0.330	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-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	0.650	0.650	0.650	x
Benzo(a)pyrene	0.05	0.330	<0.330	0.390	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0.334	0.390	<0.330	1
Benzo(b)fluoranthene	x	0.330	0.165	0.780	0.165	0.165	0.600	0.165	0.165	0.165	0.165	0.165	0.165	0.420	0.165	0.165	0.165	0.252	0.780	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	1.300	0.165	0.165	0.370	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.254	1.300	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	0.650	0.165	0.165	0.400	0.165	0.165	0.165	0.165	0.165	0.410	0.360	0.165	0.165	0.165	0.242	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	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	1.300	0.165	0.165	0.630	0.165	0.165	0.720	0.165	0.165	0.165	0.910	0.850	0.165	0.165	0.404	1.300	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	0.460	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.185	0.460	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	0.550	0.165	0.165	0.330	0.165	0.165	0.165	0.165	0.165	0.410	0.490	0.165	0.165	0.165	0.240	0.550	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	0.880	0.165	0.165	0.400	0.165	0.165	0.390	0.165	0.165	0.530	0.140	0.165	0.165	0.165	0.266	0.880	0.140	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
Tetraol	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

Equipment Error - Sample Invalid

**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, 2016 to 31 March, 2016

**Sample Matrix** : PUF + Filter  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 15 / 93.8 %

Parameter	AAQC 24 Hr	RDL	01-Jan-16	07-Jan-16	13-Jan-16	19-Jan-16	25-Jan-16	31-Jan-16	06-Feb-16	12-Feb-16	18-Feb-16	24-Feb-16	01-Mar-16	07-Mar-16	13-Mar-16	19-Mar-16	25-Mar-16	31-Mar-16	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	0.390	0.880	0.490	0.165	0.400	0.370	0.330	0.490	0.580	0.560	0.840	1.500	0.450	0.750	0.610		0.587	1.500	0.165	x
1-Methylnaphthalene	x	0.660	0.780	7.100	1.200	1.100	0.330	0.330	0.330	1.800	1.200	2.200	1.400	4.500	0.910	1.600	1.800		1.772	7.100	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	0.650	4.200	1.100	0.310	0.630	0.340	0.530	1.300	1.500	1.500	1.700	4.600	1.100	1.000	1.300		1.451	4.600	0.310	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-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	x
2-Methylnaphthalene	x	0.330	1.300	12.000	2.100	1.700	1.000	0.640	1.100	3.300	1.800	4.100	2.400	8.100	1.600	2.800	3.000		3.129	12.000	0.640	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	0.165	0.390	0.165	0.165	0.165	0.370	0.165	0.165	0.165	0.165	0.165	0.750	0.330	0.165	0.165		0.244	0.750	0.165	x
Acenaphthene	x	0.330	5.900	32.000	4.000	6.000	2.000	3.000	2.700	6.100	3.300	12.000	4.800	43.000	8.000	5.300	8.900		9.800	43.000	2.000	x
Acenaphthylene	x	0.330	0.460	5.500	0.550	0.770	0.165	0.165	0.165	0.330	0.450	0.520	0.590	1.900	0.165	0.165	0.640		0.836	5.500	0.165	x
Anthracene	x	0.330	0.165	0.750	0.520	0.165	0.165	0.165	0.165	0.390	0.490	1.300	0.165	1.500	0.165	0.165	0.550		0.455	1.500	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	0.390	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330		0.334	0.390	<0.330	1
Benzo(b)fluoranthene	x	0.330	0.165	0.780	0.165	0.165	0.600	0.165	0.165	0.165	0.165	0.165	0.165	0.420	0.165	0.165	0.165		0.252	0.780	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	1.300	0.165	0.165	0.370	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.254	1.300	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	1.100	5.700	1.700	1.200	0.930	0.330	0.900	2.000	1.500	2.000	1.600	5.800	1.100	1.200	1.400		1.897	5.800	0.330	x
Chrysene	x	0.330	0.165	0.650	0.165	0.165	0.400	0.165	0.165	0.165	0.165	0.165	0.410	0.360	0.165	0.165	0.165		0.242	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	1.400	4.500	1.300	0.960	2.200	3.200	1.200	1.800	1.300	3.700	1.500	6.600	2.400	0.840	3.100		2.400	6.600	0.840	x
Fluorene	x	0.330	4.500	19.000	3.000	3.400	4.200	7.700	4.000	3.600	3.100	12.000	3.400	32.000	12.000	5.200	9.500		8.440	32.000	3.000	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.460	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.185	0.460	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	1.600	13.000	1.900	1.900	1.700	0.920	1.200	3.900	1.600	5.200	2.700	7.800	1.100	2.800	3.700		3.401	13.000	0.920	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	6.200	20.000	5.900	4.900	6.500	15.000	6.000	5.800	5.900	20.000	5.100	43.000	18.000	6.600	15.000		12.260	43.000	4.900	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	0.720	2.900	0.850	0.680	1.100	1.300	0.630	1.000	0.880	1.700	1.100	2.400	1.000	0.390	1.400		1.203	2.900	0.390	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	1.70	0.65	0.65	0.65		0.72	1.70	0.65	x
Tetraol	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

Equipment Error - Sample Invalid

**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.