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A Division of METROLINX

**Data Summary**  
**Q3, 2014**



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.	





Met. Statistics		Maximum 1 Hr Clock Average			Minimum 1 Hr Clock Average		Monthly Mean	Total Precipitation	Percent Valid Data						
Station	Month	WS	ATEM	PRECP	WS	ATEM	ATEM	PRECP	WS	WD	ATEM	SLR	BP	RH	PRECP
		km/hr	°C	mm	km/hr	°C	°C	mm	%	%	%	%	%	%	%
35021	January	23.9	8.2	3.3	0.1	-23.1	-7.3	30.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	February	19.6	6.3	5.8	0.1	-17.9	-6.7	44.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
	March	18.3	11.2	1.2	0.4	-18.0	-2.7	18.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	April	20.2	21.8	13.3	0.0	-4.8	7.1	107.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	May	16.2	30.1	5.8	0.1	4.6	15.3	55.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	June	13.4	30.4	41.5	0.1	10.8	20.6	118.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	July	15.0	29.9	7.2	0.1	12.7	21.1	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	August	13.4	31.2	11.6	0.0	13.0	21.0	34.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	September	13.7	31.7	9.1	0.1	6.3	17.7	95.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>Q1 Total</b>								94.1							
<b>Q2 Total</b>								282.1							
<b>Q3 Total</b>								220.2							
<b>Q1 Arithmetic Mean</b>							-5.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
<b>Q2 Arithmetic Mean</b>							14.3	99.9	99.9	99.9	99.9	99.9	99.9		
<b>Q3 Arithmetic Mean</b>							20.0	100.0	100.0	100.0	100.0	100.0	100.0		

Data Statistics		Maximum 24 Hr Running Average			Maximum 8 Hr Running Average		Maximum 1 Hr Running Average			Maximum ½ Hr Running Average			Maximum 24 Hr Clock Average		Maximum 1 Hr Clock Average		Monthly Mean						Percent Valid Data					
Station	Month	SO2	CO	NO2	CO	SO2	CO	NO2	SO2	CO	NO2	PM2.5	PM2.5	SO2	CO	PM2.5	NO	NO2	NOX	SO2	CO	PM2.5	NO	NO2	NOX			
		ppb	ppm	ppb	ppm	ppb	ppm	ppb	ppb	ppm	ppb	ppm	µg/m³	µg/m³	ppb	ppm	µg/m³	ppb	ppb	ppb	%	%	%	%	%	%		
35022	January	5	0.40	35	0.53	10	0.95	55	10	0.95	58	27	61	0.7	0.24	11	11	17	28	98.4	98.4	98.7	98.4	98.4	98.4			
	February	2	0.73	46	1.10	12	1.55	95	15	1.66	103	33	51	0.6	0.29	15	16	22	38	99.7	99.7	100.0	99.7	99.7	99.7			
	March	4	0.40	31	0.55	15	1.34	81	17	1.37	85	25	62	0.6	0.25	11	10	17	27	99.7	99.7	99.9	99.7	99.7	99.7			
	April	1	0.49	33	0.81	4	2.89	55	4	3.84	57	20	35	0.4	0.25	9	8	18	26	99.9	99.9	99.7	99.7	99.7	99.7			
	May	1	0.33	26	0.52	9	1.05	44	11	1.22	46	27	103	0.2	0.18	10	6	14	20	99.9	99.9	100.0	99.9	99.9	99.9			
	June	3	0.52	26	1.12	12	2.89	61	13	3.13	63	22	56	0.2	0.19	10	6	14	20	99.3	99.4	99.7	99.6	99.6	99.6			
	July	1	0.30	21	0.43	3	0.68	51	5	0.90	57	21	43	0.1	0.16	9	5	12	17	99.7	97.6	100.0	99.9	99.9	99.9			
	August	1	0.28	22	0.43	7	0.67	50	12	0.69	51	23	67	0.1	0.17	11	5	12	17	99.9	99.9	100.0	99.9	99.9	99.9			
	September	1	0.62	33	0.91	2	1.06	56	3	1.09	60	21	53	0.2	0.22	10	10	15	26	99.6	100.0	99.7	99.6	99.6	99.6			
<b>Q1 Arithmetic Mean</b>														0.6	0.26	12	12	19	31	99.3	99.3	99.5	99.3	99.3	99.3			
<b>Q2 Arithmetic Mean</b>														0.3	0.21	10	7	15	22	99.7	99.7	99.8	99.7	99.7	99.7			
<b>Q3 Arithmetic Mean</b>														0.1	0.19	10	7	13	20	99.7	99.1	99.9	99.8	99.8	99.8			

Event Statistics		Events > 24 Hr AAQC		Events > 8 Hr AAQC		Events > 1 Hr AAQC			Events > ½ Hr Standard			Events > 24 Hr WHO		Events > 1 Hr WHO		No. of Days > 24 Hr Ref. Level
Station	Month	SO2	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	1	0	0		
	February	0	0	0	0	0	0	0	0	0	0	4	0	3		
	March	0	0	0	0	0	0	0	0	0	0	0	0	0		
	April	0	0	0	0	0	0	0	0	0	0	0	0	0		
	May	0	0	0	0	0	0	0	0	0	0	1	0	0		
	June	0	0	0	0	0	0	0	0	0	0	0	0	0		
	July	0	0	0	0	0	0	0	0	0	0	0	0	0		
	August	0	0	0	0	0	0	0	0	0	0	0	0	0		
	September	0	0	0	0	0	0	0	0	0	0	0	0	0		
<b>Q1 Total</b>		0	0	0	0	0	0	0	0	0	0	5	0	3		
<b>Q2 Total</b>		0	0	0	0	0	0	0	0	0	0	1	0	0		
<b>Q3 Total</b>		0	0	0	0	0	0	0	0	0	0	0	0	0		

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

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

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

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

**Station** : 35020 **Sample Matrix** : Teflon Coated Filter  
**Location** : Wallace Avenue, Toronto **Method** : IO-3.1  
**Reporting Period** : 01 July, 2014 to 30 September, 2014 **Valid Samples - Number / %** : 15 / 100%

Parameter	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
Name		Mercury	Arsenic	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Vanadium	Zinc
Units	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
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													
04-Jul-14	109	0.000010	0.00185	0.0006	0.0309	0.0016	0.0445	0.0099	0.0720	0.0054	0.00305	0.0251	0.1970
10-Jul-14	48	0.000020	0.00420	0.0006	0.0351	0.0014	0.0636	0.0347	0.0434	0.0057	0.00305	0.0255	0.4530
16-Jul-14	30	0.000005	0.00185	0.0006	0.0329	0.0006	0.0607	0.0086	0.0312	0.0043	0.00305	0.0251	0.1910
22-Jul-14	80	0.000030	0.00520	0.0006	0.0383	0.0015	0.0835	0.0153	0.0700	0.0079	0.00305	0.0275	0.2230
28-Jul-14	34	0.000005	0.00185	0.0006	0.0316	0.0006	0.0308	0.0069	0.0299	0.0041	0.00305	0.0248	0.1670
03-Aug-14	48	0.000020	0.00600	0.0006	0.0365	0.0013	0.0771	0.0115	0.0381	0.0052	0.00305	0.0279	0.2270
09-Aug-14	52	0.000020	0.00440	0.0006	0.0325	0.0006	0.0736	0.0221	0.0444	0.0050	0.00305	0.0252	0.4380
15-Aug-14	27	0.000005	0.00185	0.0006	0.0324	0.0016	0.0482	0.0075	0.0282	0.0071	0.00305	0.0238	0.2060
21-Aug-14	55	0.000005	0.00430	0.0006	0.0372	0.0021	0.0768	0.0093	0.0468	0.0083	0.00305	0.0264	0.2060
27-Aug-14	115	0.000010	0.00185	0.0006	0.0400	0.0029	0.0456	0.0152	0.0893	0.0124	0.00305	0.0351	0.1540
02-Sep-14	47	0.000005	0.00490	0.0006	0.0408	0.0018	0.0891	0.0149	0.0587	0.0081	0.00305	0.0337	0.1580
08-Sep-14	84	0.000020	0.00390	0.0006	0.0372	0.0015	0.0681	0.0093	0.0808	0.0074	0.00305	0.0347	0.1190
14-Sep-14	23	0.000010	0.00185	0.0006	0.0351	0.0006	0.0559	0.0070	0.0307	0.0054	0.00305	0.0342	0.1070
20-Sep-14	62	0.000020	0.00185	0.0006	0.0359	0.0014	0.0708	0.0125	0.0633	0.0067	0.00305	0.0324	0.1480
26-Sep-14	108	0.000030	0.00410	0.0006	0.0441	0.0021	0.1120	0.0216	0.1010	0.0097	0.00305	0.0380	0.3140
Ave	61	0.000014	0.00333	0.0006	0.0360	0.0014	0.0667	0.0138	0.0552	0.0068	0.00305	0.0293	0.2205
Max	115	0.000030	0.00600	0.0006	0.0441	0.0029	0.1120	0.0347	0.1010	0.0124	0.00305	0.0380	0.4530
Min	23	0.000005	0.00185	0.0006	0.0309	0.0006	0.0308	0.0069	0.0282	0.0041	0.00305	0.0238	0.1070
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 July, 2014 to 30 September, 2014  
 Sample Matrix : SUMMA Canisters  
 Method : GC/MS (TO15A)  
 Valid Samples - No. / % : 15 / 100%

Parameter	AAQC	RDL															Ave	Max	Min	Samples		
	24 Hr		04-Jul-14	10-Jul-14	16-Jul-14	22-Jul-14	28-Jul-14	03-Aug-14	09-Aug-14	15-Aug-14	21-Aug-14	27-Aug-14	02-Sep-14	08-Sep-14	14-Sep-14	20-Sep-14	26-Sep-14		μg/m <sup>3</sup>	μg/m <sup>3</sup>	μg/m <sup>3</sup>	No.
	μg/m <sup>3</sup>	μg/m <sup>3</sup>															μg/m <sup>3</sup>	μg/m <sup>3</sup>	μg/m <sup>3</sup>	> AAQC		
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	1.430	0.531	1.430	0.467	x
Carbon Disulfide	330	1.56	0.78	0.78	0.78	0.78	0.78	0.78	6.02	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	36.40	3.50	36.40	0.78	0
Propene	4000	0.516	0.422	1.290	1.290	1.035	0.258	1.720	1.635	0.860	1.290	1.720	2.150	1.635	1.205	1.375	1.980		1.324	2.150	0.258	0
Vinyl Acetate	x	0.704	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352		0.352	0.352	0.352	x
Dichlorodifluoromethane	500000	0.989	3.2100	4.1000	4.0700	3.1700	2.9300	3.3000	3.6100	3.1200	3.1300	3.2800	3.2900	4.3200	4.3400	0.4945	0.4945		3.1239	4.3400	0.4945	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
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
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
Chloromethane	320	0.620	1.33	1.21	1.17	0.98	1.14	1.37	0.97	1.09	1.23	1.06	1.27	1.13	0.97	1.21	1.16		1.15	1.37	0.97	0
Trichlorotrifluoroethane	800000	0.38	0.65	0.19	0.72	0.96	0.87	0.78	0.79	0.79	0.78	0.66	0.76	0.72	0.72	0.67			0.72	0.96	0.19	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	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
Chloroform	1	0.24	0.12	0.12	0.12	0.28	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.26	0.12	0.27		0.15	0.28	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
Carbon Tetrachloride	2.4	0.31	0.57	0.16	0.62	0.79	0.83	0.68	0.68	0.66	0.70	0.73	0.72	0.61	0.62	0.60	0.61		0.64	0.83	0.16	0
Trichlorofluoromethane	6000	1.12	1.64	2.20	2.16	1.58	1.63	1.77	1.66	1.48	1.49	1.52	1.52	2.22	2.22	1.93	2.08		1.81	2.22	1.48	0
Benzene	2.3	0.16	3.00	0.08	0.69	0.89	0.28	1.00	0.92	0.29	4.70	0.35	0.95	1.20	0.66	0.91	1.70		1.17	4.70	0.08	2
Ethanol	19000	4.33	12.100	17.500	9.550	23.800	6.670	21.900	33.500	7.520	7.500	2.165	2.165	35.600	19.500	15.300	51.800		17.771	51.800	2.165	0
Trichloroethylene	12	0.27	0.135	0.135	0.135	0.135	0.135	0.680	0.270	0.135	0.135	0.330	0.310	0.135	0.135	0.980			0.261	0.980	0.135	0
2-propanol	7300	7.37	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685		3.685	3.685	3.685	0
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	x
2-Propanone	11880	1.90	13.30	11.70	18.90	17.40	8.46	24.60	15.50	7.70	9.94	2.68	11.00	13.90	9.58	11.70	24.30		13.38	24.60	2.68	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	x
Methyl Ethyl Ketone	1000	8.85	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425		4.425	4.425	4.425	0
trans-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115		0.115	0.115	0.115	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	x
Methyl Isobutyl Ketone	1200	13.1	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55		6.55	6.55	6.55	0
Dibromochloromethane	x	0.43	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215		0.215	0.215	0.215	x
Methyl Butyl Ketone	x	8.19	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095		4.095	4.095	4.095	x
Ethylene Dibromide	3	0.38	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19		0.19	0.19	0.19	0
Methyl t-butyl ether (MTBE)	7000	0.721	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605		0.3605	0.3605	0.3605	0
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	x
Ethyl Acetate	x	7.93	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965		3.965	3.965	3.965	x
1,1-Dichloroethylene	10	0.991	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955		0.4955	0.4955	0.4955	0
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	x
cis-1,2-Dichloroethylene	105	0.753	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765		0.3765	0.3765	0.3765	0
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	x
trans-1,2-Dichloroethylene	105	0.793	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965		0.3965	0.3965	0.3965	0
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	0
1,1-Dichloroethane	165	0.809	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045		0.4045	0.4045	0.4045	0
1,1,1-Trichloroethane	115000	1.64	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82		0.82	0.82	0.82	0
1,2-Dichloropropane	2400	1.85	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925		0.925	0.925	0.925	0
Bromomethane	1350	0.699	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495		0.3495	0.3495	0.3495	0
Bromoform	55	2.07	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035		1.035	1.035	1.035	0
Heptane	11000	1.23	3.940	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	2.150		0.939	3.940	0.615	0
Tetrachloroethylene	360	1.36	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68		0.68	0.68	0.68	0
Toluene	2000	0.753	11.7000	2.3800	1.0800	3.7200	1.3100	2.5700	3.8900	1.0400	4.1900	1.5700	4.0600	6.6400	3.4900	4.7900	15.0000		4.4953	15.0000	1.0400	0
Ethylbenzene	1000	0.868	0.434	0.434	0.434	0																



**Station** : 35020  
**Location** : Wallace Avenue, Toronto  
**Reporting Period** : 01 July, 2014 to 30 September, 2014

**Sample Matrix** : PUF Cartridge  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 15 / 100%

Parameter	AAQC 24 Hr	RDL	04-Jul-14	10-Jul-14	16-Jul-14	22-Jul-14	28-Jul-14	03-Aug-14	09-Aug-14	15-Aug-14	21-Aug-14	27-Aug-14	02-Sep-14	08-Sep-14	14-Sep-14	20-Sep-14	26-Sep-14	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>	ng/m <sup>3</sup>																ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	No.
1,2-Dimethylnaphthalene	x	0.330	1.900	2.900	1.400	0.630	1.100	0.165	1.400	0.800	0.610	0.590	0.380	0.165	0.620	0.400	1.200	0.951	2.900	0.165	x
1-Methylnaphthalene	x	0.660	10.000	22.000	5.800	0.330	5.300	1.000	11.000	6.900	2.200	4.100	0.670	0.680	12.000	0.330	6.800	5.941	22.000	0.330	x
1-Methylphenanthrene	x	0.660	5.800	3.100	3.400	6.300	3.400	6.700	5.400	4.400	1.500	4.900	4.500	3.000	1.500	2.000	5.200	4.073	6.700	1.500	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	5.900	9.500	2.700	0.450	2.800	0.700	7.800	3.700	2.100	2.400	0.480	0.430	3.200	0.520	4.600	3.152	9.500	0.430	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	1.400	0.830	0.950	1.200	1.000	1.300	1.300	0.860	0.330	1.600	1.500	0.660	0.330	0.330	1.200	0.986	1.600	0.330	x
2-Methylnaphthalene	x	0.330	20.000	43.000	11.000	0.910	10.000	1.800	19.000	13.000	3.500	7.200	1.200	1.200	23.000	1.100	12.000	11.194	43.000	0.910	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	6.000	3.700	3.700	6.000	3.500	6.800	5.600	3.600	1.800	5.600	4.800	3.500	1.500	2.200	5.500	4.253	6.800	1.500	x
Acenaphthene	x	0.330	95.000	140.000	35.000	2.900	16.500	9.400	130.000	48.000	28.000	33.000	6.100	5.900	33.000	6.900	120.000	47.313	140.000	2.900	x
Acenaphthylene	x	0.330	0.940	0.165	0.490	0.165	0.590	0.165	1.800	0.520	0.165	0.620	0.165	0.165	0.340	0.165	2.000	0.564	2.000	0.165	x
Anthracene	x	0.330	24.000	11.000	13.000	12.000	15.000	22.000	23.000	20.000	3.700	29.000	22.000	12.000	5.900	5.300	24.000	16.127	29.000	3.700	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	1.20	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.69	1.20	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	0.670	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.353	0.670	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	11.000	17.000	4.200	0.330	4.300	1.200	15.000	7.200	3.700	3.900	0.730	0.660	5.800	0.830	8.000	5.590	17.000	0.330	x
Chrysene	x	0.330	0.165	0.165	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	0.181	0.400	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	67.000	33.000	39.000	73.000	36.000	83.000	70.000	52.000	16.000	59.000	49.000	30.000	15.000	22.000	53.000	46.467	83.000	15.000	x
Fluorene	x	0.330	110.000	120.000	86.000	12.000	110.000	17.000	120.000	100.000	33.000	120.000	17.000	12.000	30.000	14.000	160.000	70.733	160.000	12.000	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	9.400	35.000	5.000	1.900	7.900	2.000	17.000	14.000	2.400	4.200	1.300	1.500	34.000	1.300	12.000	9.927	35.000	1.300	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	620.000	370.000	350.000	300.000	8.000	560.000	540.000	590.000	110.000	620.000	450.000	270.000	140.000	190.000	660.000	384.533	660.000	8.000	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	x
Pyrene	x	0.330	26.000	13.000	15.000	30.000	16.000	33.000	26.000	20.000	5.700	24.000	19.000	12.000	6.100	7.900	21.000	18.313	33.000	5.700	x
Quinoline	x	1.30	2.20	1.40	0.65	0.65	1.30	0.65	1.90	0.65	0.65	0.65	0.65	0.65	0.65	0.65	2.00	1.02	2.20	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

**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 July, 2014 to 30 September, 2014

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

Parameter	AAQC 24 Hr	RDL	04-Jul-14	10-Jul-14	16-Jul-14	22-Jul-14	28-Jul-14	03-Aug-14	09-Aug-14	15-Aug-14	21-Aug-14	27-Aug-14	02-Sep-14	08-Sep-14	14-Sep-14	20-Sep-14	26-Sep-14	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>		ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	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	0.165	0.165	x
1-Methylnaphthalene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
1-Methylphenanthrene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
2-Chloronaphthalene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
2-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	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-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	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Acenaphthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Acenaphthylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.370	0.165	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	1.000	0.430	0.263	1.000	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	0.350	0.165	0.165	0.460	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.197	0.460	0.165	x
Benzo(j)fluoranthene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Chrysene	x	0.330	0.165	0.165	0.165	0.370	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.340	0.190	0.370	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	0.330	0.165	0.165	0.670	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.210	0.670	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	0.650	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.197	0.650	0.165	x
Fluoranthene	x	0.330	0.660	0.730	0.165	0.970	0.350	0.610	0.610	0.520	0.165	0.590	0.860	0.460	0.540	0.490	1.500	0.615	1.500	0.165	x
Fluorene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.330	0.165	0.165	0.610	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.206	0.610	0.165	x
m-Terphenyl	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Naphthalene	22500	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0
o-Terphenyl	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Phenanthrene	x	0.330	0.500	0.370	0.165	0.790	0.165	0.490	0.580	0.710	0.165	0.500	0.830	0.580	0.480	0.370	1.000	0.513	1.000	0.165	x
p-Terphenyl	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Pyrene	x	0.330	0.165	0.430	0.165	0.510	0.165	0.330	0.330	0.165	0.165	0.165	0.440	0.165	0.165	0.165	0.770	0.286	0.770	0.165	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
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

**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 July, 2014 to 30 September, 2014

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

Parameter	AAQC 24 Hr	RDL	04-Jul-14	10-Jul-14	16-Jul-14	22-Jul-14	28-Jul-14	03-Aug-14	09-Aug-14	15-Aug-14	21-Aug-14	27-Aug-14	02-Sep-14	08-Sep-14	14-Sep-14	20-Sep-14	26-Sep-14	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>		ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	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	1.900	2.900	1.400	0.630	1.100	0.165	1.400	0.800	0.610	0.590	0.380	0.165	0.620	0.400	1.200	0.951	2.900	0.165	x
1-Methylnaphthalene	x	0.660	10.000	22.000	5.800	0.330	5.300	1.000	11.000	6.900	2.200	4.100	0.670	0.680	12.000	0.330	6.800	5.941	22.000	0.330	x
1-Methylphenanthrene	x	0.660	5.800	3.100	3.400	6.300	3.400	6.700	5.400	4.400	1.500	4.900	4.500	3.000	1.500	2.000	5.200	4.073	6.700	1.500	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	5.900	9.500	2.700	0.450	2.800	0.700	7.800	3.700	2.100	2.400	0.480	0.430	3.200	0.520	4.600	3.152	9.500	0.430	x
2-Chloronaphthalene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
2-Methylantracene	x	0.660	1.400	0.830	0.950	1.200	1.000	1.300	1.300	0.860	0.330	1.600	1.500	0.660	0.330	0.330	1.200	0.986	1.600	0.330	x
2-Methylnaphthalene	x	0.330	20.000	43.000	11.000	0.910	10.000	1.800	19.000	13.000	3.500	7.200	1.200	1.200	23.000	1.100	12.000	11.194	43.000	0.910	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylphenanthrene	x	0.330	6.000	3.700	3.700	6.000	3.500	6.800	5.600	3.600	1.800	5.600	4.800	3.500	1.500	2.200	5.500	4.253	6.800	1.500	x
Acenaphthene	x	0.330	95.000	140.000	35.000	2.900	16.500	9.400	130.000	48.000	28.000	33.000	6.100	5.900	33.000	6.900	120.000	47.313	140.000	2.900	x
Acenaphthylene	x	0.330	0.940	0.165	0.490	0.165	0.590	0.165	1.800	0.520	0.165	0.620	0.165	0.165	0.340	0.165	2.000	0.564	2.000	0.165	x
Anthracene	x	0.330	24.000	11.000	13.000	12.000	15.000	22.000	23.000	20.000	3.700	29.000	22.000	12.000	5.900	5.300	24.000	16.127	29.000	3.700	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	1.20	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.69	1.20	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	0.370	0.165	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	1.000	0.430	0.263	1.000	0.165	x
Benzo(b)fluorene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.670	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.353	0.670	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	0.350	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(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	11.000	17.000	4.200	0.330	4.300	1.200	15.000	7.200	3.700	3.900	0.730	0.660	5.800	0.830	8.000	5.590	17.000	0.330	x
Chrysene	x	0.330	0.165	0.165	0.165	0.370	0.165	0.400	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.340	0.206	0.400	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	0.330	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
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	0.650	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.197	0.650	0.165	x
Fluoranthene	x	0.330	68.000	34.000	39.000	74.000	36.000	84.000	71.000	53.000	16.000	60.000	50.000	30.000	16.000	22.000	54.000	47.133	84.000	16.000	x
Fluorene	x	0.330	110.000	120.000	86.000	12.000	110.000	17.000	120.000	100.000	33.000	120.000	17.000	12.000	30.000	14.000	160.000	70.733	160.000	12.000	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.176	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	x
Naphthalene	22500	0.660	9.400	35.000	5.000	1.900	7.900	2.000	17.000	14.000	2.400	4.200	1.300	1.500	34.000	1.300	12.000	9.927	35.000	1.300	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	620.000	370.000	350.000	300.000	8.000	560.000	540.000	580.000	110.000	620.000	450.000	270.000	140.000	190.000	660.000	384.533	660.000	8.000	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	x
Pyrene	x	0.330	26.000	13.000	15.000	31.000	16.000	33.000	26.000	20.000	5.700	24.000	19.000	12.000	6.100	7.900	22.000	18.447	33.000	5.700	x
Quinoline	x	1.30	2.20	1.40	0.65	0.65	1.30	0.65	1.90	0.65	0.65	0.65	0.65	0.65	0.65	0.65	2.00	1.02	2.20	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

**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 July, 2014 to 30 September, 2014 **Valid Samples - Number / %** : 15 / 100%

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

Date	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
04-Jul-14	61	0.000010	0.00185	0.0006	0.0327	0.0006	0.0576	0.0094	0.0462	0.0045	0.00305	0.0253	0.2160
10-Jul-14	186	0.000040	0.00430	0.0006	0.0346	0.0018	0.0691	0.0142	0.1210	0.0063	0.00305	0.0257	0.2600
16-Jul-14	143	0.000005	0.00185	0.0006	0.0317	0.0017	0.0478	0.0096	0.1010	0.0053	0.00305	0.0242	0.1960
22-Jul-14	159	0.000030	0.00530	0.0006	0.0327	0.0016	0.0677	0.0137	0.1040	0.0058	0.00305	0.0253	0.2400
28-Jul-14	50	0.000005	0.00185	0.0006	0.0301	0.0006	0.0399	0.0064	0.0475	0.0057	0.00305	0.0223	0.1740
03-Aug-14	53	0.000010	0.00480	0.0006	0.0318	0.0006	0.0628	0.0088	0.0397	0.0040	0.00305	0.0257	0.2100
09-Aug-14	248	0.000020	0.00480	0.0006	0.0350	0.0023	0.0705	0.0137	0.1510	0.0075	0.00305	0.0292	0.2230
15-Aug-14	90	0.000010	0.00440	0.0006	0.0365	0.0016	0.0369	0.0085	0.0658	0.0053	0.00305	0.0271	0.2020
21-Aug-14	80	0.000020	0.00440	0.0006	0.0352	0.0015	0.0639	0.0127	0.0594	0.0052	0.00305	0.0254	0.2140
27-Aug-14	177	0.000010	0.00185	0.0006	0.0386	0.0022	0.0464	0.0113	0.1100	0.0075	0.00305	0.0361	0.1660
02-Sep-14	60	0.000020	0.00410	0.0006	0.0399	0.0015	0.0813	0.0111	0.0686	0.0065	0.00305	0.0340	0.1670
08-Sep-14	86	0.000020	0.00185	0.0006	0.0379	0.0013	0.0649	0.0099	0.0747	0.0068	0.00305	0.0357	0.1380
14-Sep-14	24	0.000005	0.00185	0.0006	0.0355	0.0006	0.0530	0.0070	0.0330	0.0052	0.00305	0.0345	0.1110
20-Sep-14	143	0.000030	0.00185	0.0006	0.0409	0.0019	0.0653	0.0145	0.1060	0.0079	0.00305	0.0393	0.1830
26-Sep-14	97	0.000030	0.00185	0.0006	0.0414	0.0020	0.0899	0.0163	0.0805	0.0078	0.00305	0.0382	0.2760
Ave	110	0.000018	0.00313	0.0006	0.0356	0.0015	0.0611	0.0111	0.0806	0.0061	0.00305	0.0299	0.1984
Max	248	0.000040	0.00530	0.0006	0.0414	0.0023	0.0899	0.0163	0.1510	0.0079	0.00305	0.0393	0.2760
Min	24	0.000005	0.00185	0.0006	0.0301	0.0006	0.0369	0.0064	0.0330	0.0040	0.00305	0.0223	0.1110
No. > AAQC	6	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 July, 2014 to 30 September, 2014

Sample Matrix : SUMMA Canisters  
 Method : GC/MS (TO15A)  
 Valid Samples - No. / % : 14 / 93.3%

Parameter	AAQC	RDL																Ave	Max	Min	Samples	
	24 Hr		04-Jul-14	10-Jul-14	16-Jul-14	22-Jul-14	28-Jul-14	03-Aug-14	09-Aug-14	15-Aug-14	21-Aug-14	27-Aug-14	02-Sep-14	08-Sep-14	14-Sep-14	20-Sep-14	26-Sep-14				> AAQC	
	µg/m <sup>3</sup>	µg/m <sup>3</sup>																µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	No.	
2,2,4-Trimethylpentane	x	0.934	0.467	0.467	0.467	0.467	0.467	0.467	1.040	0.467	0.467	0.467		0.467	0.467	0.939	0.467		0.542	1.040	0.467	x
Carbon Disulfide	330	1.56	0.78	0.78	0.78	0.78	0.78	0.78	14.60	0.78	0.78	0.78		0.78	0.78	0.78	0.78		1.77	14.60	0.78	0
Propene	4000	0.516	0.344	1.290	0.860	1.205	0.258	1.550	1.720	0.860	1.720	1.720		1.465	1.120	1.205	1.120		1.174	1.720	0.258	0
Vinyl Acetate	x	0.704	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352		0.352	0.352	0.352	0.352		0.352	0.352	0.352	x
Dichlorodifluoromethane	500000	0.989	3.1500	4.1200	4.0500	3.3200	3.3400	3.6100	3.5400	3.1100	2.7000	3.0300		4.0800	4.3200	0.4945	0.4945		3.0971	4.3200	0.4945	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
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
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
Chloromethane	320	0.620	1.31	1.15	1.19	1.30	1.10	1.00	1.25	1.10	1.26	1.01		0.89	0.97	1.22	1.21		1.14	1.31	0.89	0
Trichlorotrifluoroethane	800000	0.38	0.72	0.78	0.80	0.96	0.91	0.75	0.83	0.73	0.74	0.70		0.76	0.79	0.78	0.66		0.78	0.96	0.66	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	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
Chloroform	1	0.24	0.12	0.12	0.12	0.43	0.12	0.12	0.29	0.12	0.12	0.12		0.28	0.12	0.12	0.12		0.17	0.43	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
Carbon Tetrachloride	2.4	0.31	0.620	0.650	0.680	0.810	0.840	0.690	0.670	0.710	0.690	0.740		0.610	0.620	0.610	0.610		0.682	0.840	0.610	0
Trichlorofluoromethane	6000	1.12	1.60	2.17	2.17	1.58	1.60	1.45	1.77	1.48	1.28	1.39		2.33	2.29	1.96	1.95		1.79	2.33	1.28	0
Benzene	2.3	0.16	0.28	0.43	0.57	1.10	0.32	0.68	0.90	0.36	0.66	0.44		1.00	0.97	1.00	1.10		0.70	1.10	0.28	0
Ethanol	19000	4.33	7.860	8.060	6.490	19.700	6.000	12.100	20.200	2.165	6.520	2.165		16.600	9.430	14.700	17.800		10.699	20.200	2.165	0
Trichloroethylene	12	0.27	0.135	0.135	0.950	0.135	0.135	0.135	0.135	0.135	0.135	0.135		0.135	0.135	0.450	0.135		0.219	0.950	0.135	0
2-propanol	7300	7.37	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685		3.685	3.685	3.685	3.685		3.685	3.685	3.685	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	x
2-Propanone	11880	1.90	6.90	9.09	8.42	34.90	8.10	17.00	22.20	5.46	16.00	5.08		17.20	10.50	11.20	13.10		13.23	34.90	5.08	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	x
Methyl Ethyl Ketone	1000	8.85	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425		4.425	4.425	4.425	4.425		4.425	4.425	4.425	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	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	x
Methyl Isobutyl Ketone	1200	13.1	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55		6.55	6.55	6.55	6.55		6.55	6.55	6.55	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	x
Methyl Butyl Ketone	x	8.19	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095		4.095	4.095	4.095	4.095		4.095	4.095	4.095	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
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
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	x
Ethyl Acetate	x	7.93	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965		3.965	3.965	3.965	3.965		3.965	3.965	3.965	x
1,1-Dichloroethylene	10	0.991	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955		0.4955	0.4955	0.4955	0.4955		0.4955	0.4955	0.4955	0
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	x
cis-1,2-Dichloroethylene	105	0.753	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765		0.3765	0.3765	0.3765	0.3765		0.3765	0.3765	0.3765	0
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	x
trans-1,2-Dichloroethylene	105	0.793	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965		0.3965	0.3965	0.3965	0.3965		0.3965	0.3965	0.3965	0
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	0
1,1-Dichloroethane	165	0.809	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045		0.4045	0.4045	0.4045	0.4045		0.4045	0.4045	0.4045	0
1,1,1-Trichloroethane	115000	1.64	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82		0.82	0.82	0.82	0.82		0.82	0.82	0.82	0
1,2-Dichloropropane	2400	1.85	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925		0.925	0.925	0.925	0.925		0.925	0.925	0.925	0
Bromomethane	1350	0.699	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495		0.3495	0.3495	0.3495	0.3495		0.3495	0.3495	0.3495	0
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	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
Tetrachloroethylene	360	1.36	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68		0.68	0.68	0.68	0.68		0.68	0.68	0.68	0
Toluene	2000	0.753	1.23	1.72	1.44	4.28	1.17	1.62	3.63	0.96	2.50	1.22		6.25	3.14	5.92	6.30		2.96	6.30	0.96	0
Ethylbenzene	1000	0.868	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434		0.941	0.434	0.935	1.050		0.550	1.050	0.434	0
p+m-Xylene	730	1.61	0.805	0.805	0.805</																	

**Station** : 35021  
**Location** : Weston Road, Toronto  
**Reporting Period** : 01 July, 2014 to 30 September, 2014

**Sample Matrix** : PUF Cartridge  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 15 / 100%

Parameter	AAQC 24 Hr	RDL	04-Jul-14	10-Jul-14	16-Jul-14	22-Jul-14	28-Jul-14	03-Aug-14	09-Aug-14	15-Aug-14	21-Aug-14	27-Aug-14	02-Sep-14	08-Sep-14	14-Sep-14	20-Sep-14	26-Sep-14	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>		ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	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	0.590	0.870	0.720	0.690	0.690	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.360	0.580	0.388	0.870	0.165	x
1-Methylnaphthalene	x	0.660	0.330	1.400	0.750	0.330	0.330	0.330	1.700	0.330	0.330	0.330	0.330	0.330	0.330	0.330	1.300	0.585	1.700	0.330	x
1-Methylphenanthrene	x	0.660	0.330	0.670	0.330	1.800	0.810	1.200	1.000	0.330	0.920	0.330	0.980	1.500	0.330	0.820	1.000	0.823	1.800	0.330	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.590	1.200	0.690	0.380	0.470	0.460	1.400	0.710	0.830	0.420	0.165	0.380	0.410	0.165	1.200	0.631	1.400	0.165	x
2-Chloronaphthalene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
2-Methylantracene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
2-Methylnaphthalene	x	0.330	0.990	2.400	1.400	0.560	1.000	0.520	2.600	0.670	0.930	0.650	0.165	0.660	0.850	0.490	2.200	1.072	2.600	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.330	0.620	0.770	0.490	2.300	1.000	1.200	1.000	0.510	0.960	0.620	1.200	1.600	0.470	0.950	1.200	0.993	2.300	0.470	x
Acenaphthene	x	0.330	3.000	1.390	2.600	0.165	1.600	0.880	7.700	0.510	1.400	1.200	0.440	1.400	0.500	0.165	19.000	2.797	19.000	0.165	x
Acenaphthylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	1.200	0.165	0.165	0.165	0.165	0.165	0.165	0.165	1.200	0.303	1.200	0.165	x
Anthracene	x	0.330	0.710	0.710	0.330	1.300	2.000	1.300	1.600	0.380	0.610	0.750	1.700	3.200	0.910	1.200	2.700	1.293	3.200	0.330	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	0.330	1.000	0.330	0.330	0.330	0.330	1.300	0.330	0.330	0.330	0.330	0.330	0.330	0.330	1.700	0.531	1.700	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	3.600	2.800	1.800	6.500	7.700	4.400	5.900	1.600	7.400	3.300	7.200	13.000	2.500	3.600	6.300	5.173	13.000	1.600	x
Fluorene	x	0.330	3.900	3.600	3.100	1.200	3.300	2.700	7.900	3.000	2.700	4.500	2.400	6.600	1.900	1.500	23.000	4.753	23.000	1.200	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	1.400	2.300	1.400	2.200	2.500	0.640	2.800	0.710	1.300	1.100	0.330	0.750	0.940	0.720	2.800	1.459	2.800	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	18.000	18.000	11.000	25.000	33.000	23.000	32.000	12.000	27.000	20.000	33.000	74.000	14.000	22.000	56.000	27.867	74.000	11.000	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	x
Pyrene	x	0.330	1.700	1.400	0.920	3.200	3.900	2.000	2.700	0.900	2.700	1.500	3.700	5.300	1.500	1.700	2.700	2.388	5.300	0.900	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

**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 July, 2014 to 30 September, 2014

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

Parameter	AAQC 24 Hr	RDL	04-Jul-14	10-Jul-14	16-Jul-14	22-Jul-14	28-Jul-14	03-Aug-14	09-Aug-14	15-Aug-14	21-Aug-14	27-Aug-14	02-Sep-14	08-Sep-14	14-Sep-14	20-Sep-14	26-Sep-14	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>		ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	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	0.165	0.165	x
1-Methylnaphthalene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
1-Methylphenanthrene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
2-Chloronaphthalene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
2-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	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-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	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Acenaphthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Acenaphthylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	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	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	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	0.165	0.165	0.165	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.350	0.165	0.165	0.340	0.200	0.350	0.165	x
Fluorene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
m-Terphenyl	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Naphthalene	22500	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0
o-Terphenyl	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Phenanthrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.330	0.176	0.330	0.165	x
p-Terphenyl	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	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

**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.

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**Station** : 35021  
**Location** : Weston Road, Toronto  
**Reporting Period** : 01 July, 2014 to 30 September, 2014

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

Parameter	AAQC 24 Hr	RDL	04-Jul-14	10-Jul-14	16-Jul-14	22-Jul-14	28-Jul-14	03-Aug-14	09-Aug-14	15-Aug-14	21-Aug-14	27-Aug-14	02-Sep-14	08-Sep-14	14-Sep-14	20-Sep-14	26-Sep-14	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>		ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	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	0.590	0.870	0.720	0.690	0.690	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.360	0.580	0.388	0.870	0.165	x
1-Methylnaphthalene	x	0.660	0.330	1.400	0.750	0.330	0.330	0.330	1.700	0.330	0.330	0.330	0.330	0.330	0.330	0.330	1.300	0.585	1.700	0.330	x
1-Methylphenanthrene	x	0.660	0.330	0.670	0.330	1.800	0.810	1.200	1.000	0.330	0.920	0.330	0.980	1.500	0.330	0.820	1.000	0.823	1.800	0.330	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.590	1.200	0.690	0.380	0.470	0.460	1.400	0.710	0.830	0.420	0.165	0.380	0.410	0.165	1.200	0.631	1.400	0.165	x
2-Chloronaphthalene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
2-Methylantracene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
2-Methylnaphthalene	x	0.330	0.990	2.400	1.400	0.560	1.000	0.520	2.600	0.670	0.930	0.650	0.165	0.660	0.850	0.490	2.200	1.072	2.600	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-Dimethylantracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.660	0.620	0.770	0.490	2.300	1.000	1.200	1.000	0.510	0.960	0.620	1.200	1.600	0.470	0.950	1.200	0.993	2.300	0.470	x
Acenaphthene	x	0.330	3.000	1.390	2.600	0.165	1.600	0.880	7.700	0.510	1.400	1.200	0.440	1.400	0.500	0.165	19.000	2.797	19.000	0.165	x
Acenaphthylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	1.200	0.165	0.165	0.165	0.165	0.165	0.165	0.165	1.200	0.303	1.200	0.165	x
Anthracene	x	0.330	0.710	0.710	0.330	1.300	2.000	1.300	1.600	0.380	0.610	0.750	1.700	3.200	0.910	1.200	2.700	1.293	3.200	0.330	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	0.330	1.000	0.330	0.330	0.330	0.330	1.300	0.330	0.330	0.330	0.330	0.330	0.330	0.330	1.700	0.531	1.700	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	3.600	2.800	1.800	6.800	7.700	4.400	5.900	1.600	7.400	3.300	7.200	13.000	2.500	3.600	6.300	5.193	13.000	1.600	x
Fluorene	x	0.330	3.900	3.600	3.100	1.200	3.300	2.700	7.900	3.000	2.700	4.500	2.400	6.600	1.900	1.500	23.000	4.753	23.000	1.200	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	1.400	2.300	1.400	2.200	2.500	0.640	2.800	0.710	1.300	1.100	0.330	0.750	0.940	0.720	2.800	1.459	2.800	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	18.000	18.000	11.000	25.000	33.000	23.000	32.000	12.000	27.000	20.000	33.000	74.000	14.000	22.000	56.000	27.867	74.000	11.000	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	x
Pyrene	x	0.330	1.700	1.400	0.920	3.200	3.900	2.000	2.700	0.900	2.700	1.500	3.700	5.300	1.500	1.700	2.700	2.388	5.300	0.900	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

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

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

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



<b>Station</b>	: 35022	<b>Sample Matrix</b>	: Teflon Coated Filter
<b>Location</b>	: Strachan Avenue, Toronto	<b>Method</b>	: IO-3.1
<b>Reporting Period</b>	: 01 July, 2014 to 30 September, 2014	<b>Valid Samples - Number / %</b>	: 15 / 100%

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

Date	TSP	Hg	As	Cd	Cr	Co	Cu	Pb	Mn	Ni	Se	V	Zn
04-Jul-14	69	0.000010	0.00185	0.0006	0.0333	0.0013	0.0514	0.0133	0.0422	0.0052	0.00305	0.0261	0.1980
10-Jul-14	161	0.000030	0.00185	0.0006	0.0379	0.0023	0.1050	0.0281	0.1170	0.0214	0.00305	0.0262	0.2300
16-Jul-14	45	0.000005	0.00185	0.0006	0.0306	0.0006	0.0752	0.0106	0.0346	0.0049	0.00305	0.0240	0.1800
22-Jul-14	159	0.000030	0.00490	0.0006	0.0346	0.0020	0.0898	0.0281	0.0857	0.0081	0.00305	0.0267	0.2420
28-Jul-14	25	0.000005	0.00380	0.0006	0.0299	0.0006	0.0335	0.0074	0.0200	0.0036	0.00305	0.0235	0.1960
03-Aug-14	54	0.000010	0.00550	0.0006	0.0317	0.0006	0.1010	0.0132	0.0347	0.0043	0.00305	0.0250	0.2130
09-Aug-14	231	0.000020	0.00610	0.0006	0.0337	0.0030	0.0900	0.0436	0.1300	0.0109	0.00305	0.0281	0.2970
15-Aug-14	110	0.000040	0.00380	0.0006	0.0352	0.0020	0.0558	0.0203	0.0622	0.0070	0.00305	0.0253	0.1990
21-Aug-14	173	0.000005	0.00480	0.0006	0.0362	0.0024	0.0863	0.0290	0.0846	0.0081	0.00305	0.0270	0.2150
27-Aug-14	132	0.000005	0.00185	0.0006	0.0345	0.0023	0.0484	0.0267	0.0732	0.0081	0.00305	0.0320	0.1650
02-Sep-14	48	0.000020	0.00185	0.0006	0.0387	0.0016	0.0699	0.0137	0.0452	0.0067	0.00305	0.0327	0.1420
08-Sep-14	139	0.000030	0.00400	0.0006	0.0381	0.0019	0.0624	0.0232	0.0834	0.0088	0.00305	0.0353	0.1470
14-Sep-14	81	0.000020	0.00185	0.0006	0.0313	0.0015	0.0494	0.0178	0.0525	0.0065	0.00305	0.0303	0.1070
20-Sep-14	184	0.000030	0.00490	0.0006	0.0393	0.0049	0.0793	0.0350	0.1090	0.0158	0.00305	0.0362	0.1870
26-Sep-14	269	0.000060	0.00460	0.0006	0.0455	0.0038	0.1090	0.0492	0.1560	0.0135	0.00305	0.0407	0.2610
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<b>Ave</b>	125	0.000021	0.00357	0.0006	0.0354	0.0021	0.0738	0.0239	0.0754	0.0089	0.00305	0.0293	0.1986
<b>Max</b>	269	0.000060	0.00610	0.0006	0.0455	0.0049	0.1090	0.0492	0.1560	0.0214	0.00305	0.0407	0.2970
<b>Min</b>	25	0.000005	0.00185	0.0006	0.0299	0.0006	0.0335	0.0074	0.0200	0.0036	0.00305	0.0235	0.1070
<b>No. &gt; AAQC</b>	8	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 July, 2014 to 30 September, 2014  
**Sample Matrix** : SUMMA Canisters  
**Method** : GC/MS (TO15A)  
**Valid Samples - No. / %** : 15 / 100%

Parameter	AAQC	RDL																Ave	Max	Min	Samples	
	24 Hr		04-Jul-14	10-Jul-14	16-Jul-14	22-Jul-14	28-Jul-14	03-Aug-14	09-Aug-14	15-Aug-14	21-Aug-14	27-Aug-14	02-Sep-14	08-Sep-14	14-Sep-14	20-Sep-14	26-Sep-14		μg/m <sup>3</sup>	μg/m <sup>3</sup>	μg/m <sup>3</sup>	> AAQC
	μg/m <sup>3</sup>	μg/m <sup>3</sup>																μg/m <sup>3</sup>	μg/m <sup>3</sup>	μg/m <sup>3</sup>	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	1.880	1.730		0.645	1.880	0.467	x
Carbon Disulfide	330	1.56	0.78	0.78	0.78	0.78	3.62	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78		0.97	3.62	0.78	0
Propene	4000	0.516	0.353	1.290	0.860	0.730	0.448	1.465	1.805	1.290	1.720	1.720	2.150	1.465	1.120	1.375	3.010		1.387	3.010	0.353	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	x
Dichlorodifluoromethane	500000	0.989	3.1600	4.0600	4.0800	3.3400	2.8700	3.5200	3.5300	2.9800	3.0900	3.1700	3.2500	4.6100	3.6700	0.4945	0.4945		3.0879	4.6100	0.4945	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
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
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
Chloromethane	320	0.62	1.43	1.29	1.21	1.15	1.11	1.02	1.15	1.07	1.20	1.10	1.25	0.98	0.79	1.17	1.18		1.14	1.43	0.79	0
Trichlorotrifluoroethane	800000	0.38	0.71	0.82	0.82	1.00	0.99	0.76	0.76	0.82	0.75	0.81	0.70	0.78	0.66	0.64	0.69		0.78	1.00	0.64	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	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
Chloroform	1	0.24	0.12	0.12	0.12	0.26	0.12	0.60	0.25	0.12	0.12	0.12	0.12	0.25	0.12	0.12	0.27		0.19	0.60	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
Carbon Tetrachloride	2.4	0.31	0.64	0.66	0.67	0.85	0.85	0.61	0.64	0.73	0.73	0.70	0.72	0.61	0.61	0.62	0.60		0.68	0.85	0.60	0
Trichlorofluoromethane	6000	1.12	1.61	2.17	2.18	1.80	1.81	1.95	1.72	1.38	1.49	1.52	1.59	2.59	1.95	1.92	1.99		1.84	2.59	1.38	0
Benzene	2.3	0.16	0.28	0.52	0.43	0.76	0.34	0.87	0.89	0.34	0.60	0.30	0.83	0.79	0.53	3.30	1.60		0.83	3.30	0.28	1
Ethanol	19000	4.33	14.000	11.500	2.165	9.630	7.280	25.500	30.200	2.165	2.165	2.165	2.165	31.600	14.200	25.400	44.000		14.942	44.000	2.165	0
Trichloroethylene	12	0.27	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135		0.173	0.710	0.135	0
2-propanol	7300	7.37	3.685	3.685	32.900	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685		5.633	32.900	3.685	0
Bromodichloromethane	x	0.34	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17		0.17	0.17	0.17	x
2-Propanone	11880	1.90	9.28	30.70	17.20	15.10	58.40	13.40	14.00	2.20	4.23	3.05	7.41	12.00	7.37	11.10	29.20		15.64	58.40	2.20	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	x
Methyl Ethyl Ketone	1000	8.85	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425	4.425		4.425	4.425	4.425	0
trans-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115		0.115	0.115	0.115	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	x
Methyl Isobutyl Ketone	1200	13.1	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55		6.55	6.55	6.55	0
Dibromochloromethane	x	0.43	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215		0.215	0.215	0.215	x
Methyl Butyl Ketone	x	8.19	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095	4.095		4.095	4.095	4.095	x
Ethylene Dibromide	3	0.38	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19		0.19	0.19	0.19	0
Methyl t-butyl ether (MTBE)	7000	0.721	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605	0.3605		0.3605	0.3605	0.3605	0
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	x
Ethyl Acetate	x	7.93	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965	3.965		3.965	3.965	3.965	x
1,1-Dichloroethylene	10	0.991	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955	0.4955		0.4955	0.4955	0.4955	0
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	x
cis-1,2-Dichloroethylene	105	0.753	0.3765	0.3765	0.3765	0.3765	0.3765	1.4100	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765		0.4454	1.4100	0.3765	0
Hexachlorobutadiene	x	0.53	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265		0.265	0.265	0.265	x
trans-1,2-Dichloroethylene	105	0.793	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965		0.3965	0.3965	0.3965	0
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	3.36		1.52	3.36	1.39	0
1,1-Dichloroethane	165	0.809	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045	0.4045		0.4045	0.4045	0.4045	0
1,1,1-Trichloroethane	115000	1.64	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82		0.82	0.82	0.82	0
1,2-Dichloropropane	2400	1.85	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925		0.925	0.925	0.925	0
Bromomethane	1350	0.699	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495	0.3495		0.3495	0.3495	0.3495	0
Bromoform	55	2.07	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035		1.035	1.035	1.035	0
Heptane	11000	1.23	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	1.830		0.696	1.830	0.615	0
Tetrachloroethylene	360	1.36	0.68	0.68	0.68	0.68	0.68	1.60	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68		0.74	1.60	0.68	0
Toluene	2000	0.753	1.0100	1.0400	18.1000	1.9500	0.9290	2.2700	3.0500	0.3765	1.5400	1.0200	3.2300	3.2700	1.7300	5.8900	15.1000		4.0337	18.1000	0.3765	0</

**Station** : 35022  
**Location** : Strachan Avenue, Toronto  
**Reporting Period** : 01 July, 2014 to 30 September, 2014

**Sample Matrix** : PUF Cartridge  
**Method** : GC/MS (TO13)  
**Valid Samples - No. / %** : 15 / 100%

Parameter	AAQC 24 Hr	RDL	04-Jul-14	10-Jul-14	16-Jul-14	22-Jul-14	28-Jul-14	03-Aug-14	09-Aug-14	15-Aug-14	21-Aug-14	27-Aug-14	02-Sep-14	08-Sep-14	14-Sep-14	20-Sep-14	26-Sep-14	Ave	Max	Min	Samples > AAQC	
	ng/m <sup>3</sup>		ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	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	0.650	5.000	0.780	2.200	0.680	0.165	1.300	0.810	0.165	0.165	0.165	0.165	0.650	0.510	1.000	0.960	5.000	0.165	x	
1-Methylnaphthalene	x	0.660	0.950	5.100	0.970	2.600	0.330	1.200	8.000	5.300	0.880	0.890	1.400	1.500	2.200	1.500	6.900	2.648	8.000	0.330	x	
1-Methylphenanthrene	x	0.660	1.600	3.600	2.400	8.800	1.300	3.900	4.000	1.700	3.400	1.500	4.100	2.500	1.400	2.800	3.600	3.107	8.800	1.300	x	
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.620	4.800	0.750	2.500	0.490	0.880	6.000	3.400	0.620	0.165	1.100	1.400	2.200	1.200	4.400	2.035	6.000	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	0.330	x
2-Methylantracene	x	0.660	0.330	0.780	0.330	1.300	0.330	0.330	0.610	0.330	0.330	0.330	1.200	0.330	0.330	0.330	0.330	0.501	1.300	0.330	x	
2-Methylnaphthalene	x	0.330	2.000	9.100	1.900	5.000	1.100	2.100	13.000	9.500	1.500	1.600	2.500	2.500	3.900	2.600	12.000	4.687	13.000	1.100	x	
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	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	1.700	4.200	2.700	8.700	1.300	4.000	3.500	1.800	3.300	1.400	4.700	2.400	1.400	2.800	3.300	3.147	8.700	1.300	x	
Acenaphthene	x	0.330	7.300	130.000	7.000	51.000	5.700	8.600	110.000	45.000	6.000	7.500	13.000	17.000	26.000	17.000	76.000	35.140	130.000	5.700	x	
Acenaphthylene	x	0.330	0.165	1.500	0.165	0.500	0.165	0.165	2.200	0.560	0.165	0.165	0.165	0.165	0.165	1.800	0.547	2.200	0.165	0.165	x	
Anthracene	x	0.330	5.100	14.000	7.800	22.000	3.900	11.000	19.000	5.800	11.000	7.200	20.000	6.400	4.600	8.500	14.000	10.687	22.000	3.900	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	1.60	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.71	1.60	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	0.165	x
Benzo(b)fluorene	x	0.660	0.330	0.330	0.330	0.720	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.356	0.720	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	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	0.165	x
Biphenyl	x	0.660	0.980	9.100	0.970	4.200	0.330	1.200	11.000	6.000	0.880	0.800	1.600	1.800	2.400	1.800	6.800	3.324	11.000	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	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	22.000	40.000	26.000	94.000	19.000	45.000	43.000	19.000	37.000	18.000	45.000	26.000	13.000	29.000	32.000	33.867	94.000	13.000	x	
Fluorene	x	0.330	15.000	130.000	24.000	67.000	14.000	28.000	160.000	48.000	15.000	17.000	22.000	25.000	47.000	30.000	170.000	54.133	170.000	14.000	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	0.165	x
m-Terphenyl	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Naphthalene	22500	0.660	2.100	6.200	1.700	5.300	1.800	2.300	12.000	9.500	1.600	1.500	3.000	2.300	4.000	2.200	10.000	4.367	12.000	1.500	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	130.000	380.000	220.000	570.000	78.000	330.000	400.000	140.000	230.000	120.000	370.000	170.000	110.000	270.000	410.000	261.867	570.000	78.000	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	8.500	16.000	10.000	44.000	8.400	18.000	17.000	7.200	14.000	2.200	18.000	10.000	5.600	11.000	13.000	13.527	44.000	2.200	x	
Quinoline	x	1.30	0.65	1.30	0.65	1.50	0.65	0.65	1.70	0.65	0.65	0.65	0.65	0.65	0.65	0.65	3.20	0.99	3.20	0.65	x	
TetraIn	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. MetroInx is working with the MOE to resolve this issue.

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

**Station** : 35022  
**Location** : Strachan Avenue, Toronto  
**Reporting Period** : 01 July, 2014 to 30 September, 2014

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

Parameter	AAQC 24 Hr	RDL	04-Jul-14	10-Jul-14	16-Jul-14	22-Jul-14	28-Jul-14	03-Aug-14	09-Aug-14	15-Aug-14	21-Aug-14	27-Aug-14	02-Sep-14	08-Sep-14	14-Sep-14	20-Sep-14	26-Sep-14	Ave	Max	Min	Samples > AAQC
	ng/m <sup>3</sup>		ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	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	0.165	0.165	x
1-Methylnaphthalene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
1-Methylphenanthrene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
2-Chloronaphthalene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
2-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	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
9,10-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	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Acenaphthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Acenaphthylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.450	0.184	0.450	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<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	0.410	0.165	0.410	0.165	0.165	0.550	0.400	0.165	0.165	0.165	0.380	0.165	0.450	0.870	0.319	0.870	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	0.420	0.182	0.420	0.165	x
Benzo(j)fluoranthene	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Biphenyl	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Chrysene	x	0.330	0.165	0.410	0.165	0.470	0.165	0.165	0.460	0.165	0.165	0.165	0.165	0.410	0.165	0.450	1.000	0.312	1.000	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Fluoranthene	x	0.330	0.165	1.000	0.410	1.200	0.165	0.165	1.500	0.810	0.730	0.630	0.820	0.940	0.530	1.100	2.000	0.811	2.000	0.165	x
Fluorene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	x
m-Terphenyl	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Naphthalene	22500	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0
o-Terphenyl	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
Phenanthrene	x	0.330	0.165	0.530	0.165	1.000	0.165	0.165	0.940	0.500	0.500	0.480	0.690	0.530	0.380	1.000	1.600	0.587	1.600	0.165	x
p-Terphenyl	x	0.660	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	x
Pyrene	x	0.330	0.165	0.500	0.165	0.720	0.165	0.165	0.910	0.440	0.380	0.380	0.460	0.570	0.330	0.640	1.200	0.479	1.200	0.165	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	x
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

**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 July, 2014 to 30 September, 2014

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

Parameter	AAQC 24 Hr	RDL	04-Jul-14	10-Jul-14	16-Jul-14	22-Jul-14	28-Jul-14	03-Aug-14	09-Aug-14	15-Aug-14	21-Aug-14	27-Aug-14	02-Sep-14	08-Sep-14	14-Sep-14	20-Sep-14	26-Sep-14	Ave	Max	Min	Samples > AAQC	
	ng/m <sup>3</sup>		ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	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	0.650	5.000	0.780	2.200	0.680	0.165	1.300	0.810	0.165	0.165	0.165	0.165	0.650	0.510	1.000	0.960	5.000	0.165	x	
1-Methylnaphthalene	x	0.660	0.950	5.100	0.970	2.600	0.330	1.200	8.000	5.300	0.880	0.890	1.400	1.500	2.200	1.500	6.900	2.648	8.000	0.330	x	
1-Methylphenanthrene	x	0.660	1.600	3.600	2.400	8.800	1.300	3.900	4.000	1.700	3.400	1.500	4.100	2.500	1.400	2.800	3.600	3.107	8.800	1.300	x	
2,6 & 2,7-Dimethylnaphthalene	x	0.330	0.620	4.800	0.750	2.500	0.490	0.880	6.000	3.400	0.620	0.165	1.100	1.400	2.200	1.200	4.400	2.035	6.000	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	0.330	x
2-Methylanthracene	x	0.660	0.330	0.780	0.330	1.300	0.330	0.330	0.610	0.330	0.330	0.330	1.200	0.330	0.330	0.330	0.330	0.501	1.300	0.330	x	
2-Methylnaphthalene	x	0.330	2.000	9.100	1.900	5.000	1.100	2.100	13.000	9.500	1.500	1.600	2.500	2.500	3.900	2.600	12.000	4.687	13.000	1.100	x	
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	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	1.700	4.200	2.700	8.700	1.300	4.000	3.500	1.800	3.300	1.400	4.700	2.400	1.400	2.800	3.300	3.147	8.700	1.300	x	
Acenaphthene	x	0.330	7.300	130.000	7.000	51.000	5.700	8.600	110.000	45.000	6.000	7.500	13.000	17.000	26.000	17.000	76.000	35.140	130.000	5.700	x	
Acenaphthylene	x	0.330	0.165	1.500	0.165	0.500	0.165	0.165	2.200	0.560	0.165	0.165	0.165	0.165	0.165	1.800	0.547	2.200	0.165	0.165	x	
Anthracene	x	0.330	5.100	14.000	7.800	22.000	3.900	11.000	19.000	5.800	11.000	7.200	20.000	6.400	4.600	8.500	14.000	10.687	22.000	3.900	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	0.450	0.184	0.450	0.165	x	
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	1.60	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.71	1.60	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	0.410	0.165	0.410	0.165	0.165	0.550	0.165	0.165	0.165	0.165	0.380	0.165	0.450	0.870	0.304	0.870	0.165	x	
Benzo(b)fluorene	x	0.660	0.330	0.330	0.330	0.720	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.330	0.356	0.720	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	0.420	0.182	0.420	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	0.980	9.100	0.970	4.200	0.330	1.200	11.000	6.000	0.880	0.800	1.600	1.800	2.400	1.800	6.800	3.324	11.000	0.330	x	
Chrysene	x	0.330	0.165	0.410	0.165	0.470	0.165	0.165	0.460	0.165	0.165	0.165	0.165	0.410	0.165	0.450	1.000	0.312	1.000	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	22.000	41.000	26.000	95.000	19.000	45.000	43.000	20.000	38.000	19.000	46.000	27.000	14.000	30.000	34.000	34.600	95.000	14.000	x	
Fluorene	x	0.330	15.000	130.000	24.000	67.000	14.000	28.000	160.000	48.000	15.000	17.000	22.000	25.000	47.000	30.000	170.000	54.133	170.000	14.000	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	2.100	6.200	1.700	5.300	1.800	2.300	12.000	9.500	1.600	1.500	3.000	2.300	4.000	2.200	10.000	4.367	12.000	1.500	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	130.000	380.000	220.000	570.000	79.000	330.000	400.000	140.000	230.000	120.000	370.000	170.000	110.000	270.000	410.000	261.933	570.000	79.000	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	x	
Pyrene	x	0.330	8.500	16.000	10.000	44.000	9.100	18.000	18.000	7.200	14.000	2.600	18.000	11.000	6.000	12.000	14.000	13.893	44.000	2.600	x	
Quinoline	x	1.30	0.65	1.30	0.65	1.50	0.65	0.65	1.70	0.65	0.65	0.65	0.65	0.65	0.65	0.65	3.20	0.99	3.20	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	

**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.