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Data Summary
Q2, 2012

Item	Term	Description	Units
1)	NO	Nitric Oxide	ppb
2)	NO2	Nitrogen Dioxide	ppb
3)	NOX	Oxides of Nitrogen	ppb
4)	PM2.5	Particulate Matter < 2.5 micron	$\mu g/m^3$
5)	CO	Carbon Monoxide	ppm
6)	SO2	Sulphur Dioxide	ppb
7)	WS	Resultant Mean Wind Speed	km/hr
8)	WD	Resultant Mean Wind Direction	Degrees
9)	ATEM	Ambient Temperature	^oC
10)	SLR	Solar Radiation Flux Density	W/m^2
11)	BP	Barometric Pressure	mb
12)	RH	Relative Humidity	%
13)	PRECP	Total Precipitation	mm
14)	VOC	Volatile Organic Compounds	$\mu g/m^3$
15)	PAH	Polycyclic Aromatic Hydrocarbons	ng/m^3
16)	TSP	Total Suspended Particulate	$\mu g/m^3$
17)	ppb	Parts per billion	
18)	ppm	Parts per million	
19)	$\mu g/m^3$	Micrograms per cubic metre	
20)	ng/m^3	Nanograms per cubic metre	
21)	km/hr	Kilometres per hour	
22)	mm	Millimetres	
23)	mb	Millibars	
24)	W/m^2	Watts per square metre	
25)	GC/MS	Gas Chromatography / Mass Spectrometry	
26)	PUF	Polyurethane Foam	
27)	GF	Glass Fibre	
28)	RDL	Reportable Detection Limit	
29)	Ave	Average	
30)	Min	Minimum	
31)	Max	Maximum	
32)	MOE	Ministry of the Environment	
33)	AAQC	Ambient Air Quality Criteria	
34)	O. Reg 419/05	Ontario Regulation 419/05	
35)	CWS	Canada Wide Standard	
36)	WHO	World Health Organization	
37)	EST	Eastern Standard Time	
38)	Clock Average	1 Hr Clock Average (i.e. 09:00 to 10:00) 24 Hr Clock Average (i.e. 00:00 to 23:00)	
39)	Running Average	Creating a series of averages of varying subset time frames of the full dataset.	

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Metrolinx Air Monitoring Network
Statistics 2012, Q2

Data Statistics

Station	Month	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					
		SO2	CO	NO2	CO	SO2	CO	NO2	SO2	CO	NO2	PM2.5	PM2.5	SO2	CO	PM2.5	NO	NO2	NOX	SO2	CO	PM2.5	NO	NO2	NOX
		ppb	ppm	ppb	ppm	ppb	ppm	ppb	ppb	ppm	ppb	µg/m^3	µg/m^3	ppb	ppb	ppb	µg/m^3	ppm	ppb	%	%	%	%	%	%
35020	January	4	0.35	30	0.48	10	0.91	50	11	1.04	53	12	23	1.0	0.20	6	6	17	23	99.9	99.9	99.9	99.9	99.9	99.9
	February	3	0.27	29	0.35	10	0.48	50	11	0.54	50	20	32	0.9	0.19	8	5	17	23	99.9	99.9	99.9	99.9	99.9	99.9
	March	3	0.47	38	0.82	16	1.95	59	21	3.29	62	24	52	0.8	0.20	8	9	17	26	99.7	99.7	99.9	99.9	99.9	99.9
	April	3	0.30	33	0.49	9	0.80	65	12	0.81	70	14	33	0.7	0.16	5	5	15	20	100.0	100.0	100.0	100.0	100.0	100.0
	May	3	0.44	28	0.82	14	0.98	48	16	1.33	49	20	45	0.4	0.15	10	6	16	22	100.0	98.3	99.9	100.0	100.0	100.0
	June	3	0.16	27	0.22	14	0.28	47	17	0.30	49	23	35	0.6	0.07	9	3	12	15	99.9	99.9	100.0	100.0	100.0	100.0
	Q1 Arithmetic Mean													0.9	0.19	7	7	17	24	99.8	99.8	99.9	99.9	99.9	99.9
	Q2 Arithmetic Mean													0.6	0.13	8	5	14	19	100.0	99.4	100.0	100.0	100.0	100.0

Event Statistics

Station	Month	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
		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.
35020	January	0	0	0	0	0	0	0	0	0	0	0	0	0
	February	0	0	0	0	0	0	0	0	0	0	0	0	0
	March	0	0	0	0	0	0	0	0	0	0	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	0	0	0
	June	0	0	0	0	0	0	0	0	0	0	0	0	0
	Q1 Total	0	0	0	0	0	0	0	0	0	0	0	0	0
	Q2 Total	0	0	0	0	0	0	0	0	0	0	0	0	0

Data Statistics

Station	Month	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					
		SO2	CO	NO2	CO	SO2	CO	NO2	SO2	CO	NO2	PM2.5	PM2.5	SO2	CO	PM2.5	NO	NO2	NOX	SO2	CO	PM2.5	NO	NO2	NOX
		ppb	ppm	ppb	ppm	ppb	ppm	ppb	ppb	ppm	ppb	µg/m^3	µg/m^3	ppb	ppb	ppb	µg/m^3	ppm	ppb	%	%	%	%	%	%
35021	January	3	0.53	39	0.52	7	1.09	59	7	1.11	60	14	28	0.7	0.23	6	10	20	30	100.0	99.7	100.0	100.0	100.0	100.0
	February	2	0.34	32	0.52	6	0.78	51	7	0.81	51	20	31	0.7	0.20	8	8	19	27	100.0	100.0	100.0	100.0	100.0	100.0
	March	4	0.46	37	0.61	12	1.00	66	13	1.13	66	20	46	0.8	0.19	8	11	18	29	99.7	99.9	99.9	99.9	99.9	99.9
	April	3	0.31	31	0.48	13	0.75	55	13	0.82	56	16	30	0.8	0.19	6	6	16	23	100.0	99.9	100.0	100.0	100.0	100.0
	May	4	0.40	31	0.59	10	1.24	54	10	1.63	55	21	104	0.8	0.15	11	8	18	26	99.9	99.9	99.9	99.9	99.9	99.9
	June	3	0.16	30	0.28	12	0.52	53	14	0.56	54	22	44	0.7	0.08	10	5	14	19	99.4	99.0	99.7	99.4	99.4	99.4
	Q1 Arithmetic Mean													0.7	0.21	7	10	19	29	99.9	99.9	100.0	100.0	100.0	100.0
	Q2 Arithmetic Mean													0.8	0.14	9	7	16	23	99.8	99.6	99.9	99.8	99.8	99.8

Event Statistics

Station	Month	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
		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.
35021	January	0	0	0	0	0	0	0	0	0	0	0	0	0
	February	0	0	0	0	0	0	0	0	0	0	0	0	0
	March	0	0	0	0	0	0	0	0	0	0	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	0	0	0
	June	0	0	0	0	0	0	0	0	0	0	0	0	0
	Q1 Total	0	0	0	0	0	0	0	0	0	0	0	0	0
	Q2 Total	0	0	0	0	0	0	0	0	0	0	0	0	0

Met. Statistics

Station	Month	Maximum 1 Hr Clock Average			Minimum 1 Hr Clock Average		Monthly Mean	Total Precipitation	Percent Valid Data						
		WS	ATEM	PRECP	WS	ATEM	ATEM	PRECP	WS	WD	ATEM	SLR	BP	RH	PRECP
		km/hr	°C	mm	km/hr	°C	°C	mm	%	%	%	%	%	%	%
35021	January	25.2	11.4	3.6	0.1	-15.3	-0.7	35.6	100.0	100.0	100.0	99.9	100.0	100.0	100.0
	February	23.8	11.3	2.0	0.0	-12.0	0.6	16.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	March	25.3	25.2	4.2	0.1	-13.0	7.4	25.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	April	25.3	25.9	2.7	0.2	0.1	8.0	32.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	May	16.6	31.4	9.2	0.0	6.0	17.7	42.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	June	22.9	34.5	8.9	0.2	10.9	21.5	75.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	Q1 Total							77.1							
	Q2 Total							150.0							
	Q1 Arithmetic Mean						2.5		100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Q2 Arithmetic Mean						15.7		99.9	99.9	99.9	99.9	99.9	99.9	99.9

Data Statistics

Station	Month	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					
		SO2	CO	NO2	CO	SO2	CO	NO2	SO2	CO	NO2	PM2.5	PM2.5	SO2	CO	PM2.5	NO	NO2	NOX	SO2	CO	PM2.5	NO	NO2	NOX
		ppb	ppm	ppb	ppm	ppb	ppm	ppb	ppb	ppm	ppb	µg/m^3	µg/m^3	ppb	ppb	ppb	µg/m^3	ppm	ppb	%	%	%	%	%	%
35022	January	2	0.30	30	0.41	6	1.59	78	6	1.69	86	12	34	0.4	0.20	7	11	17	28	82.0	81.2	80.4	81.9	81.9	81.9
	February	2	0.32	29	0.36	6	0.87	48	8	1.13	50	21	35	0.4	0.22	8	9	17	26	100.0	99.9	100.0	100.0	100.0	100.0
	March	2	0.44	41	0.54	9	1.02	59	10	1.10	63	28	47	0.4	0.23	9	12	20	32	99.9	100.0	100.0	100.0	100.0	100.0
	April	2	0.31	33	0.41	7	0.51	51	9	0.53	55	11	30	0.3	0.21	6	6	16	22	99.9	99.9	100.0	99.9	99.9	99.9
	May	1	0.36	32	0.59	6	0.91	65	6	0.93	67	26	97	0.2	0.22	11	8	19	26	99.9	99.9	99.7	99.9	99.9	99.9
	June	2	0.30	33	0.45	7	0.62	64	8	0.70	70	22	95	0.4	0.15	10	5	15	21	99.9	100.0	100.0	100.0	100.0	100.0
	Q1 Arithmetic Mean													0.4	0.22	8	10	18	29	94.0	93.7	93.5	94.0	94.0	94.0
	Q2 Arithmetic Mean													0.3	0.19	9	6	17	23	99.9	99.9	99.9	99.9	99.9	99.9

Event Statistics

Station	Month	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
		SO2	NO2	CO	SO2	CO	NO2	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.	No.
35022	January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	March	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Q1 Total	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Q2 Total	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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^3	ppb
1 Hr	---	---	100
24 Hr	7	25	---

CWS PM2.5 Reference Level

Period	PM2.5
	µg/m^3
24 Hr	30

Note : Station 35022 commissioned 06 January, 2012.

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Metrolinx - TSP / Metals Report

Station : 35020
Location : Wallace Avenue, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

Sample Matrix : Teflon Coated Filter
Method : IO-3.1
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/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
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													
03-Apr-12	44	0.000020	0.00530	0.0006	0.0445	0.0014	0.0280	0.0144	0.0468	0.0077	0.00305	0.0263	0.1940
09-Apr-12	34	0.000005	0.00185	0.0006	0.0411	0.0006	0.0106	0.0070	0.0362	0.0058	0.00305	0.0254	0.1690
15-Apr-12	50	0.000010	0.00560	0.0006	0.0452	0.0006	0.0222	0.0104	0.0435	0.0066	0.00305	0.0276	0.1860
21-Apr-12	8	0.000005	0.00185	0.0006	0.0430	0.0006	0.0079	0.0095	0.0189	0.0053	0.00305	0.0266	0.1500
27-Apr-12	36	0.000040	0.00185	0.0006	0.0399	0.0006	0.0125	0.0200	0.0351	0.0062	0.00305	0.0257	0.1200
03-May-12	48	0.000020	0.00460	0.0006	0.0517	0.0014	0.0271	0.0111	0.0466	0.0078	0.00305	0.0314	0.2220
09-May-12	30	0.000020	0.00390	0.0006	0.0420	0.0006	0.0181	0.0091	0.0341	0.0066	0.00305	0.0275	0.1970
15-May-12	70	0.000030	0.00420	0.0006	0.0421	0.0014	0.0266	0.0147	0.0594	0.0075	0.00305	0.0270	0.1840
21-May-12	52	0.000030	0.00850	0.0006	0.0438	0.0018	0.0575	0.0108	0.0422	0.0093	0.00305	0.0277	0.1720
27-May-12	34	0.000005	0.00430	0.0006	0.0398	0.0006	0.0126	0.0080	0.0279	0.0059	0.00305	0.0250	0.1630
02-Jun-12	21	0.000005	0.00380	0.0006	0.0384	0.0006	0.0110	0.0062	0.0246	0.0050	0.00305	0.0235	0.1520
08-Jun-12	38	0.000005	0.00470	0.0006	0.0423	0.0013	0.0155	0.0086	0.0361	0.0062	0.00305	0.0259	0.1480
14-Jun-12	22	0.000005	0.00380	0.0006	0.0393	0.0006	0.0126	0.0079	0.0254	0.0056	0.00305	0.0254	0.1490
20-Jun-12	47	0.000005	0.00380	0.0006	0.0364	0.0006	0.0169	0.0122	0.0381	0.0055	0.00305	0.0233	0.1640
26-Jun-12	50	0.000005	0.00185	0.0006	0.0383	0.0013	0.0150	0.0093	0.0412	0.0068	0.00305	0.0249	0.1900

Ave	39	0.000014	0.00399	0.0006	0.0419	0.0009	0.0196	0.0106	0.0371	0.0065	0.00305	0.0262	0.1707
Max	70	0.000040	0.00850	0.0006	0.0517	0.0018	0.0575	0.0200	0.0594	0.0093	0.00305	0.0314	0.2220
Min	8	0.000005	0.00185	0.0006	0.0364	0.0006	0.0079	0.0062	0.0189	0.0050	0.00305	0.0233	0.1200
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.

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Metrolinx - VOC Report

Station : 35020
Location : Wallace Avenue, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

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

Parameter	AAQC 24 Hr	RDL	03-Apr-12	09-Apr-12	15-Apr-12	21-Apr-12	27-Apr-12	03-May-12	09-May-12	15-May-12	21-May-12	27-May-12	02-Jun-12	08-Jun-12	14-Jun-12	20-Jun-12	26-Jun-12	Ave	Max	Min	Samples > AAQC
	µg/m^3	µg/m^3																µg/m^3	µg/m^3	µg/m^3	No.
2,2,4-Trimethylpentane	x	0.934	0.467	0.467	0.467	0.467	0.467	0.467	0.467	1.260	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.520	1.260	0.467	x
Carbon Disulfide	330	1.56	0.78	0.78	0.78	0.78	0.78	0.78	1.71	1.95	2.57	2.43	1.85	1.73	0.78	0.78	0.78	1.28	2.57	0.78	0
Propene	4000	0.516	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0
Vinyl Acetate	x	0.704	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	x
Dichlorodifluoromethane	500000	0.989	3.6300	3.2800	3.8100	2.2100	2.3300	2.5900	3.8800	4.2800	4.2300	3.9600	4.0200	3.9600	3.1800	3.6200	4.1400	3.5413	4.2800	2.2100	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	1.100	1.120	1.280	0.797	0.827	0.859	1.410	1.600	1.430	1.240	1.210	1.270	1.150	1.250	1.730	1.218	1.730	0.797	0
Trichlorotrifluoroethane	800000	0.38	1.00	0.86	0.88	0.79	0.83	0.78	0.99	0.95	0.95	0.84	0.80	0.80	0.91	0.86	0.91	0.88	1.00	0.78	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	0.12	0.12	0.12	0.30	0.31	0.27	0.12	0.12	0.12	0.12	0.12	0.92	0.21	0.92	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	0.420	0.450	0.360	0.580	0.600	0.570	0.880	0.870	0.900	0.640	0.620	0.640	0.770	0.780	0.750	0.655	0.900	0.360	0
Trichlorofluoromethane	6000	1.12	2.43	1.79	1.86	1.27	1.28	1.50	1.75	2.07	1.78	1.80	1.85	1.83	1.85	1.83	2.27	1.81	2.43	1.27	0
Benzene	2.3	0.16	1.30	0.52	1.20	0.42	0.51	1.20	0.93	1.50	0.86	0.73	0.42	0.41	0.40	0.60	0.45	0.76	1.50	0.40	0
Ethanol	19000	4.33	17.600	2.165	16.700	4.360	2.165	12.500	12.900	28.200	19.100	11.900	2.165	7.880	24.900	15.600	15.100	12.882	28.200	2.165	0
Trichloroethylene	12	0.27	0.135	0.135	0.135	0.135	0.135	0.310	0.270	0.450	0.400	0.135	0.135	0.135	0.135	0.135	0.320	0.21	0.45	0.14	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	3.60	2.65	5.25	12.80	3.90	10.10	10.00	24.70	9.99	9.61	3.81	8.85	7.45	20.80	23.90	10.49	24.70	2.65	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	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	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	2.87	1.39	1.39	1.39	1.39	2.80	1.39	3.31	14.60	3.46	2.94	3.84	1.39	3.60	12.50	3.88	14.60	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	1.470	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.672	1.470	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	3.7600	0.3675	2.9500	0.3675	0.8620	2.7100	5.0700	8.1800	4.2800	2.0500	1.1500	2.4900	2.0600	2.5800	4.6800	2.9038	8.1800	0.3675	0
Ethylbenzene	1000	0.868	0.434	0.434	0.434	0.434	0.434	0.434	0.434	1.590	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.511	1.590	0.434	0
p+m-Xylene	730	1.61	1.930	0.805	1.700	0.805	0.805	0.805	3.090	5.960	1.740	0.805	0.805	2.080	2.080	2.080	2.080	1.838	5.960	0.805	0
o-Xylene	730	0.868	0.434	0.434	0.434	0.434	0.434	0.434	0.879	1.670	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.546	1.670	0.434	0
Styrene	400	0.852	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0
1,3,5-Trimethylbenzene	220	2.46	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	0
1,2,4-Trimethylbenzene	220	2.46	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	0
4-ethyltoluene	x	10.8	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	x
Chlorobenzene	x	0.921	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	x
1,3-Dichlorobenzene	x	2.40	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	x
1,4-Dichlorobenzene	95	2.40	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	0
1,2-Dichlorobenzene	x	2.40	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	x
1,2,4-Trichlorobenzene	400	14.8	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	0
Hexane	2500	1.06	0.53	0.53	1.09	0.53	0.53	1.07	0.53	0.53	2.81	0.53	0.53	0.53	0.53	0.53	4.76	1.04	4.76	0.53	0
Cyclohexane	6100	0.688	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	3.220	0.344	0.344	0.344	0.344	0.344	0.536	3.220	0.344	0
Tetrahydrofuran	93000	1.18	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0
1,4-Dioxane	3500	7.21	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	0
Xylene (Total)	730	2.61	1.305	1.305	1.305	1.305	1.305	1.305	3.970	7.630	1.305	1.305	1.305	1.305	1.305	1.305	1.305	1.904	7.630	1.305	0

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

METROLINX
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Metrolinx - PAH Report - PUF Matrix

Station : 35020
Location : Wallace Avenue, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

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

Parameter	AAQC 24 Hr	RDL	03-Apr-12	09-Apr-12	15-Apr-12	21-Apr-12	27-Apr-12	03-May-12	09-May-12	15-May-12	21-May-12	27-May-12	02-Jun-12	08-Jun-12	14-Jun-12	20-Jun-12	26-Jun-12		Ave	Max	Min	Samples > AAQC
	ng/m^3	ng/m^3																	ng/m^3	ng/m^3	ng/m^3	No.
1,2-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
1-Methylnaphthalene	x	0.670	1.400	0.730	0.335	0.335	0.810	0.335	0.335	0.770	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.493	1.400	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.840	0.335	0.335	0.335	1.000	0.335	1.200	0.980		0.514	1.200	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylanthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	2.700	1.800	1.200	0.440	1.500	0.620	0.630	1.500	0.570	0.650	0.165	0.350	0.360	0.520	0.890		0.926	2.700	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
9,10-Dimethylanthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Acenaphthene	x	0.330	2.000	2.800	1.300	0.480	2.000	1.300	2.100	2.500	1.700	1.600	0.580	1.400	0.420	1.800	3.600		1.705	3.600	0.420	x
Acenaphthylene	x	0.330	0.450	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.184	0.450	0.165	x
Anthracene	x	0.330	0.390	0.165	0.500	0.165	0.165	0.720	0.660	1.300	0.970	0.410	0.165	1.100	0.490	1.100	1.900		0.680	1.900	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330		<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Biphenyl	x	0.670	1.200	1.200	0.335	0.335	0.660	0.335	0.335	0.740	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.499	1.200	0.335	x
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Fluoranthene	x	0.330	2.000	2.300	4.000	0.860	1.200	4.100	3.800	8.400	6.800	3.000	2.000	12.00	2.400	13.000	10.00		5.057	13.000	0.860	x
Fluorene	x	0.330	4.200	5.500	5.800	1.700	3.100	3.600	4.000	4.700	4.100	3.500	2.300	2.700	1.100	3.400	7.000		3.780	7.000	1.100	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Naphthalene	22500	0.670	3.300	2.000	1.700	0.700	1.600	0.850	0.660	2.100	0.840	1.100	0.335	0.335	0.335	0.820	0.950		1.175	3.300	0.335	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Phenanthrene	x	1.30	9.50	2.94	17.00	4.00	5.80	18.00	17.00	39.00	33.00	15.00	8.60	37.00	11.00	29.00	39.00		19.06	39.00	2.94	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Pyrene	x	0.330	1.300	0.930	1.700	0.480	0.620	1.900	1.900	3.300	2.500	1.400	0.770	4.600	1.200	5.100	4.500		2.147	5.100	0.480	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Triphenylene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x

Note 1: All non detectable results are 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^3. This limit was revised to 0.05 ng/m^3 in July 2011. Current analytical methods are not able to detect below 0.05 ng/m^3 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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Metrolinx - PAH Report - Filter Matrix

Station : 35020
Location : Wallace Avenue, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

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

Parameter	AAQC 24 Hr	RDL	03-Apr-12	09-Apr-12	15-Apr-12	21-Apr-12	27-Apr-12	03-May-12	09-May-12	15-May-12	21-May-12	27-May-12	02-Jun-12	08-Jun-12	14-Jun-12	20-Jun-12	26-Jun-12		Ave	Max	Min	Samples > AAQC
	ng/m^3	ng/m^3																	ng/m^3	ng/m^3	ng/m^3	No.
1,2-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
1-Methylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylanthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
9,10-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	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
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	0.390	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330		0.390	0.390	0.390	1
Benzo(b)fluoranthene	x	0.330	0.640	0.470	0.440	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.235	0.640	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.450	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.184	0.450	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Biphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Chrysene	x	0.330	0.350	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.177	0.350	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Fluoranthene	x	0.330	0.580	0.760	0.500	0.165	0.165	0.165	0.165	0.400	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.270	0.760	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	0.350	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.177	0.350	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Naphthalene	22500	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Phenanthrene	x	0.670	0.165	0.530	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.189	0.530	0.165	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Pyrene	x	0.330	0.480	0.530	0.340	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.222	0.530	0.165	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Triphenylene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x

Note 1: All non detectable results are 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^3. This limit was revised to 0.05 ng/m^3 in July 2011. Current analytical methods are not able to detect below 0.05 ng/m^3 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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Metrolinx - PAH Report - Total PAH

Station : 35020
Location : Wallace Avenue, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

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

Parameter	AAQC 24 Hr	RDL	03-Apr-12	09-Apr-12	15-Apr-12	21-Apr-12	27-Apr-12	03-May-12	09-May-12	15-May-12	21-May-12	27-May-12	02-Jun-12	08-Jun-12	14-Jun-12	20-Jun-12	26-Jun-12		Ave	Max	Min	Samples > AAQC
	ng/m^3	ng/m^3																	ng/m^3	ng/m^3	ng/m^3	No.
1,2-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
1-Methylnaphthalene	x	0.670	1.400	0.730	0.335	0.335	0.810	0.335	0.335	0.770	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.493	1.400	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.840	0.335	0.335	0.335	1.000	0.335	1.200	0.980		0.514	1.200	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylanthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	2.700	1.800	1.200	0.440	1.500	0.620	0.630	1.500	0.570	0.650	0.165	0.350	0.360	0.520	0.890		0.926	2.700	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
9,10-Dimethylanthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
9-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Acenaphthene	x	0.330	2.000	2.800	1.300	0.480	2.000	1.300	2.100	2.500	1.700	1.600	0.580	1.400	0.420	1.800	3.600		1.705	3.600	0.420	x
Acenaphthylene	x	0.330	0.450	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.184	0.450	0.165	x
Anthracene	x	0.330	0.390	0.165	0.500	0.165	0.165	0.720	0.660	1.300	0.970	0.410	0.165	1.100	0.490	1.100	1.900		0.680	1.900	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	0.390	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330		0.390	0.390	0.390	1
Benzo(b)fluoranthene	x	0.330	0.640	0.470	0.440	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.235	0.640	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.450	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.184	0.450	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Biphenyl	x	0.670	1.200	1.200	<0.68	0.335	0.335	0.335	0.335	0.740	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.488	1.200	0.335	x
Chrysene	x	0.330	0.350	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.177	0.350	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Fluoranthene	x	0.330	2.600	3.100	4.500	0.860	1.200	4.100	3.800	8.800	6.800	3.000	2.000	12.00	2.400	13.000	10.00		5.211	13.000	0.860	x
Fluorene	x	0.330	4.200	5.500	5.800	1.700	3.100	3.600	4.000	4.700	4.100	3.500	2.300	2.700	1.100	3.400	7.000		3.780	7.000	1.100	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.350	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.177	0.350	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Naphthalene	22500	0.670	3.300	2.000	1.700	0.700	1.600	0.850	0.660	2.100	0.840	1.100	0.335	0.335	0.335	0.820	0.950		1.175	3.300	0.335	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Phenanthrene	x	1.30	9.50	3.40	17.00	4.00	5.80	18.00	17.00	39.00	33.00	15.00	8.60	37.00	11.00	29.00	39.00		19.09	39.00	3.40	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Pyrene	x	0.330	1.800	1.500	2.000	0.480	0.620	1.900	1.900	3.300	2.500	1.400	0.770	4.600	1.200	5.100	4.500		2.238	5.100	0.480	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Triphenylene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x

Note 1: All non detectable results are 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^3. This limit was revised to 0.05 ng/m^3 in July 2011. Current analytical methods are not able to detect below 0.05 ng/m^3 and B(a)P is reported as below the detection limit. Metrolinx is working with the MOE to resolve this issue.

METROLINX
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Metrolinx - TSP / Metals Report

Station : 35021
Location : Weston Road, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

Sample Matrix : Teflon Coated Filter
Method : IO-3.1
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/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
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													
03-Apr-12	47	0.000020	0.00550	0.0006	0.0444	0.0014	0.0324	0.0115	0.0535	0.0076	0.00305	0.0267	0.4660
09-Apr-12	34	0.000005	0.00185	0.0006	0.0424	0.0006	0.0109	0.0060	0.0366	0.0059	0.00305	0.0268	0.2050
15-Apr-12	58	0.000030	0.00510	0.0006	0.0435	0.0013	0.0188	0.0094	0.0493	0.0063	0.00305	0.0268	0.1380
21-Apr-12	16	0.000020	0.00185	0.0006	0.0443	0.0006	0.0157	0.0049	0.0276	0.0055	0.00305	0.0280	0.1280
27-Apr-12	32	0.000010	0.00185	0.0006	0.0436	0.0014	0.0204	0.0061	0.0400	0.0072	0.00305	0.0282	0.1510
03-May-12	104	0.000020	0.00440	0.0006	0.0466	0.0016	0.0285	0.0121	0.0752	0.0077	0.00305	0.0294	0.2060
09-May-12	33	0.000005	0.00390	0.0006	0.0398	0.0006	0.0205	0.0085	0.0393	0.0059	0.00305	0.0250	0.1600
15-May-12	107	0.000050	0.00480	0.0006	0.0454	0.0017	0.0301	0.0336	0.0746	0.0080	0.00305	0.0302	0.3220
21-May-12	51	0.000020	0.00490	0.0006	0.0437	0.0013	0.0474	0.0105	0.0406	0.0065	0.00305	0.0280	0.2040
27-May-12	42	0.000005	0.00500	0.0006	0.0420	0.0006	0.0166	0.0083	0.0323	0.0060	0.00305	0.0260	0.1990
02-Jun-12	25	0.000005	0.00185	0.0006	0.0390	0.0006	0.0115	0.0059	0.0299	0.0050	0.00305	0.0235	0.1670
08-Jun-12	43	0.000005	0.00185	0.0006	0.0401	0.0013	0.0175	0.0067	0.0408	0.0058	0.00305	0.0245	0.1450
14-Jun-12	32	0.000005	0.00185	0.0006	0.0374	0.0006	0.0160	0.0079	0.0340	0.0057	0.00305	0.0244	0.1410
20-Jun-12	56	0.000005	0.00380	0.0006	0.0366	0.0006	0.0166	0.0078	0.0427	0.0055	0.00305	0.0242	0.1470
26-Jun-12	45	0.000005	0.00185	0.0006	0.0385	0.0013	0.0196	0.0076	0.0397	0.0066	0.00305	0.0245	0.1530

Ave	48	0.000014	0.00336	0.0006	0.0418	0.0010	0.0215	0.0098	0.0437	0.0063	0.00305	0.0264	0.1955
Max	107	0.000050	0.00550	0.0006	0.0466	0.0017	0.0474	0.0336	0.0752	0.0080	0.00305	0.0302	0.4660
Min	16	0.000005	0.00185	0.0006	0.0366	0.0006	0.0109	0.0049	0.0276	0.0050	0.00305	0.0235	0.1280
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.

METROLINX

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Metrolinx - VOC Report

Station : 35021
Location : Weston Road, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

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

Parameter	AAQC 24 Hr	RDL	03-Apr-12	09-Apr-12	15-Apr-12	21-Apr-12	27-Apr-12	03-May-12	09-May-12	15-May-12	21-May-12	27-May-12	02-Jun-12	08-Jun-12	14-Jun-12	20-Jun-12	26-Jun-12	Ave	Max	Min	Samples > AAQC
	µg/m3	µg/m3																µg/m3	µg/m3	µg/m3	No.
2,2,4-Trimethylpentane	x	0.934	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.953	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.499	0.953	0.467	x
Carbon Disulfide	330	1.56	0.78	0.78	0.78	0.78	0.78	0.78	1.76	1.79	0.78	1.71	1.62	1.56	0.78	0.78	0.78	1.08	1.79	0.78	0
Propene	4000	0.516	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0
Vinyl Acetate	x	0.704	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	x
Dichlorodifluoromethane	500000	0.989	3.3200	3.4100	3.6000	2.6800	3.8800	4.1400	3.8800	4.2000	3.7100	4.0300	4.0000	3.9000	3.0500	3.3900	3.0500	3.6160	4.2000	2.6800	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	1.230	1.080	1.180	1.490	1.340	1.510	1.420	1.370	1.360	1.330	1.160	1.260	1.140	1.390	1.170	1.295	1.510	1.080	0
Trichlorotrifluoroethane	800000	0.38	0.89	0.91	0.90	0.85	0.80	0.80	0.98	1.00	0.99	0.79	0.83	0.84	0.90	0.89	0.82	0.88	1.00	0.79	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	0.30	0.12	0.12	0.26	0.29	0.30	0.39	0.12	0.12	0.12	0.12	0.12	0.18	0.39	0.12	0
1,2-Dichloroethane	2	0.20	0.10	0.10	0.10	0.30	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.30	0.10	0
Carbon Tetrachloride	2.4	0.31	0.450	0.360	0.350	0.590	0.540	0.500	0.900	0.830	0.870	0.600	0.640	0.650	0.770	0.750	0.750	0.637	0.900	0.350	0
Trichlorofluoromethane	6000	1.12	1.88	1.71	1.76	1.59	1.64	1.78	1.65	1.84	1.60	1.83	1.77	1.76	1.70	1.70	1.60	1.72	1.88	1.59	0
Benzene	2.3	0.16	1.10	0.58	1.30	2.30	0.50	1.20	1.10	1.50	4.40	1.10	0.70	0.52	0.50	0.61	0.65	1.20	4.40	0.50	1
Ethanol	19000	4.33	10.600	2.165	17.000	22.300	2.165	16.300	8.610	17.000	16.000	12.000	7.130	7.690	13.900	11.700	11.400	11.731	22.300	2.165	0
Trichloroethylene	12	0.27	0.135	0.135	0.135	0.135	0.135	0.300	0.135	0.280	0.135	0.390	0.135	0.290	0.135	0.135	0.135	0.183	0.390	0.135	0
2-propanol	7300	7.37	3.685	3.685	8.310	3.685	3.685	10.600	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	3.685	4.454	10.600	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	3.10	2.68	7.90	28.20	2.25	8.11	14.80	14.60	8.28	17.90	12.50	10.40	6.06	15.00	22.00	11.59	28.20	2.25	0
cis-1,3-Dichloropropene	x	0.23	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	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	0.361	0.361	0.361	0.361	0.361	0.361	0.361	0.361	0.361	0.361	0.361	0.361	0.361	0.361	0.361	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	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	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	57.70	1.39	3.01	1.39	1.39	1.39	4.01	1.39	4.08	1.39	1.39	1.39	5.61	57.70	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	1.510	0.615	0.615	0.615	0.615	0.615	1.600	0.615	0.615	1.650	0.615	1.430	0.864	1.650	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	3.1400	0.9440	3.0900	7.4400	1.1300	6.2900	4.0400	6.0500	3.8400	7.0500	2.0800	2.2100	3.0400	2.5400	3.2800	3.7443	7.4400	0.9440	0
Ethylbenzene	1000	0.868	0.434	0.434	0.434	0.904	0.434	1.020	0.434	0.979	0.434	0.986	0.434	0.434	0.434	0.434	0.434	0.578	1.020	0.434	0
p+m-Xylene	730	1.61	1.700	0.805	1.630	3.460	0.805	2.820	2.170	3.430	2.040	2.980	0.805	0.805	0.805	0.805	1.770	1.789	3.460	0.805	0
o-Xylene	730	0.868	0.434	0.434	0.434	1.200	0.434	1.010	0.434	1.040	0.434	1.030	0.434	0.434	0.434	0.434	0.434	0.604	1.200	0.434	0
Styrene	400	0.852	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0
1,3,5-Trimethylbenzene	220	2.46	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	0
1,2,4-Trimethylbenzene	220	2.46	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	0
4-ethyltoluene	x	10.8	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	x
Chlorobenzene	x	0.921	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	1.0200	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4978	1.0200	0.4605	x
1,3-Dichlorobenzene	x	2.40	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	x
1,4-Dichlorobenzene	95	2.40	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	0
1,2-Dichlorobenzene	x	2.40	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	x
1,2,4-Trichlorobenzene	400	14.8	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	0
Hexane	2500	1.06	0.53	0.53	1.33	2.61	0.53	1.71	0.53	0.53	1.31	0.53	1.53	1.18	0.53	0.53	0.53	0.96	2.61	0.53	0
Cyclohexane	6100	0.688	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0
Tetrahydrofuran	93000	1.18	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0
1,4-Dioxane	3500	7.21	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	0
Xylene (Total)	730	2.61	1.305	1.305	1.305	4.660	1.305	3.830	1.305	4.470	1.305	4.010	1.305	1.305	1.305	1.305	1.305	2.088	4.660	1.305	0

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

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Metrolinx - PAH Report - PUF Matrix

Station : 35021
Location : Weston Road, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

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

Parameter	AAQC 24 Hr	RDL	03-Apr-12	09-Apr-12	15-Apr-12	21-Apr-12	27-Apr-12	03-May-12	09-May-12	15-May-12	21-May-12	27-May-12	02-Jun-12	08-Jun-12	14-Jun-12	20-Jun-12	26-Jun-12		Ave	Max	Min	Samples > AAQC
	ng/m^3	ng/m^3																	ng/m^3	ng/m^3	ng/m^3	No.
1,2-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
1-Methylnaphthalene	x	0.670	0.850	0.335	0.335	0.335	0.840	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.403	0.850	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.800	0.335	0.335	0.335	0.335	0.335	0.335	1.200	0.335	1.000		0.468	1.200	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylanthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	1.600	1.100	0.930	0.520	1.600	0.630	0.450	0.680	0.600	0.660	0.165	0.165	0.640	0.165	1.100		0.734	1.600	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-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	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Acenaphthene	x	0.330	0.680	0.400	1.200	0.620	1.300	1.600	0.780	0.510	1.800	1.500	0.165	0.165	7.600	0.165	6.800		1.686	7.600	0.165	x
Acenaphthylene	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
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.960	0.390	0.440	1.200	0.850	0.165	0.165	3.200	0.165	4.400		0.851	4.400	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330		<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Biphenyl	x	0.670	0.810	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.700	0.335	1.000		0.435	1.000	0.335	x
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Fluoranthene	x	0.330	1.500	0.430	2.500	0.650	0.580	4.600	1.800	2.200	5.100	3.900	0.730	2.000	13.00	2.300	9.300		3.373	13.000	0.430	x
Fluorene	x	0.330	2.900	1.000	3.500	1.800	2.000	11.00	2.000	1.800	9.900	3.800	0.730	0.620	14.00	0.380	12.00		4.495	14.000	0.380	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Naphthalene	22500	0.670	2.000	1.500	1.100	0.335	1.900	0.335	0.335	0.950	0.335	0.920	<0.68	0.335	0.770	0.335	1.100		0.875	2.000	0.335	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Phenanthrene	x	1.30	6.60	1.90	13.00	3.30	2.90	33.00	8.60	13.00	38.00	29.00	2.90	7.90	110.00	4.70	77.00		23.45	110.00	1.90	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Pyrene	x	0.330	1.100	0.165	1.300	0.390	0.360	2.300	0.910	0.950	2.000	1.700	0.410	0.970	5.600	1.100	4.300		1.570	5.600	0.165	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Triphenylene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x

Note 1: All non detectable results are 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^3. This limit was revised to 0.05 ng/m^3 in July 2011. Current analytical methods are not able to detect below 0.05 ng/m^3 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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Metrolinx - PAH Report - Filter Matrix

Station : 35021
Location : Weston Road, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

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

Parameter	AAQC 24 Hr	RDL	03-Apr-12	09-Apr-12	15-Apr-12	21-Apr-12	27-Apr-12	03-May-12	09-May-12	15-May-12	21-May-12	27-May-12	02-Jun-12	08-Jun-12	14-Jun-12	20-Jun-12	26-Jun-12		Ave	Max	Min	Samples > AAQC
	ng/m^3	ng/m^3																	ng/m^3	ng/m^3	ng/m^3	No.
1,2-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
1-Methylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylanthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
9,10-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	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
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	0.620	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.195	0.620	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.460	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.185	0.460	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Biphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Chrysene	x	0.330	0.360	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.178	0.360	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Fluoranthene	x	0.330	0.420	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.182	0.420	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	0.360	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.178	0.360	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Naphthalene	22500	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Phenanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Pyrene	x	0.330	0.360	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.178	0.360	0.165	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Triphenylene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x

Note 1: All non detectable results are 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^3. This limit was revised to 0.05 ng/m^3 in July 2011. Current analytical methods are not able to detect below 0.05 ng/m^3 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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Metrolinx - PAH Report - Total PAH

Station : 35021
Location : Weston Road, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

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

Parameter	AAQC 24 Hr	RDL	03-Apr-12	09-Apr-12	15-Apr-12	21-Apr-12	27-Apr-12	03-May-12	09-May-12	15-May-12	21-May-12	27-May-12	02-Jun-12	08-Jun-12	14-Jun-12	20-Jun-12	26-Jun-12		Ave	Max	Min	Samples > AAQC
	ng/m^3	ng/m^3																	ng/m^3	ng/m^3	ng/m^3	No.
1,2-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
1-Methylnaphthalene	x	0.670	0.850	0.335	0.335	0.335	0.840	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.403	0.850	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	1.200	0.335	1.000		0.437	1.200	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylanthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	1.600	1.100	0.930	0.520	1.600	0.630	0.450	0.680	0.600	0.660	0.165	0.165	0.640	<0.33	1.100		0.774	1.600	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-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	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Acenaphthene	x	0.330	0.680	0.400	1.200	0.620	1.300	1.600	0.780	0.510	1.800	1.500	0.165	0.165	7.600	0.165	6.800		1.686	7.600	0.165	x
Acenaphthylene	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
Anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.960	0.390	0.440	1.200	0.850	0.165	0.165	3.200	0.165	4.400		0.851	4.400	0.165	x
Benzo(a)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Benzo(a)fluorene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330		<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.620	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.195	0.620	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.460	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.185	0.460	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Biphenyl	x	0.670	0.810	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.700	0.335	1.000		0.435	1.000	0.335	x
Chrysene	x	0.330	0.360	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.178	0.360	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Fluoranthene	x	0.330	1.900	0.430	2.500	0.650	0.580	4.600	1.800	2.200	5.100	3.900	0.730	2.000	13.00	2.300	9.300		3.399	13.000	0.430	x
Fluorene	x	0.330	2.900	1.000	3.500	1.800	2.000	11.00	2.000	1.800	9.900	3.800	0.730	0.620	14.00	0.380	12.00		4.495	14.000	0.380	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.360	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.178	0.360	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Naphthalene	22500	0.670	2.000	1.500	1.100	0.335	1.900	0.335	0.335	0.950	0.335	0.920	<0.68	0.335	0.770	0.335	1.100		0.875	2.000	0.335	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Phenanthrene	x	1.30	6.60	1.90	13.00	3.30	2.90	33.00	8.60	13.00	38.00	29.00	2.90	7.90	110.00	4.70	77.00		23.45	110.00	1.90	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Pyrene	x	0.330	1.500	<0.34	1.300	0.390	0.360	2.300	0.910	0.950	2.000	1.700	0.410	0.970	5.600	1.100	4.300		1.699	5.600	0.360	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Triphenylene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x

Note 1: All non detectable results are 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^3. This limit was revised to 0.05 ng/m^3 in July 2011. Current analytical methods are not able to detect below 0.05 ng/m^3 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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Metrolinx - TSP / Metals Report

Station : 35022
Location : Strachan Avenue, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

Sample Matrix : Teflon Coated Filter
Method : IO-3.1
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/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
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													
03-Apr-12	50	0.000020	0.00500	0.0006	0.0456	0.0014	0.0270	0.0100	0.0434	0.0076	0.00305	0.0278	0.3090
09-Apr-12	155	0.000020	0.00440	0.0006	0.0441	0.0027	0.0151	0.0148	0.0946	0.0093	0.00305	0.0290	0.1500
15-Apr-12	60	0.000020	0.00520	0.0006	0.0426	0.0013	0.0189	0.0098	0.0471	0.0071	0.00305	0.0265	0.1320
21-Apr-12	14	0.000005	0.00185	0.0006	0.0405	0.0006	0.0087	0.0038	0.0198	0.0051	0.00305	0.0256	0.1000
27-Apr-12	90	0.000010	0.00185	0.0006	0.0454	0.0018	0.0162	0.0083	0.0567	0.0079	0.00305	0.0293	0.1290
03-May-12	70	0.000020	0.00185	0.0006	0.0460	0.0015	0.0315	0.0101	0.0526	0.0071	0.00305	0.0285	0.1630
09-May-12	37	0.000010	0.00420	0.0006	0.0439	0.0013	0.0187	0.0094	0.0362	0.0069	0.00305	0.0285	0.1900
15-May-12	118	0.000040	0.00490	0.0006	0.0433	0.0018	0.0288	0.0203	0.0811	0.0089	0.00305	0.0286	0.1830
21-May-12	88	0.000040	0.00500	0.0006	0.0449	0.0017	0.0441	0.0188	0.0616	0.0076	0.00305	0.0292	0.2410
27-May-12	51	0.000005	0.00440	0.0006	0.0428	0.0013	0.0166	0.0112	0.0394	0.0066	0.00305	0.0268	0.1530
02-Jun-12	24	0.000005	0.00185	0.0006	0.0395	0.0006	0.0087	0.0057	0.0237	0.0053	0.00305	0.0242	0.1200
08-Jun-12	61	0.000005	0.00185	0.0006	0.0383	0.0014	0.0149	0.0082	0.0425	0.0059	0.00305	0.0237	0.1370
14-Jun-12	53	0.000005	0.00185	0.0006	0.0389	0.0006	0.0190	0.0102	0.0434	0.0062	0.00305	0.0254	0.1520
20-Jun-12	51	0.000005	0.00400	0.0006	0.0398	0.0006	0.0257	0.0091	0.0400	0.0060	0.00305	0.0251	0.1680
26-Jun-12	112	0.000005	0.00185	0.0006	0.0331	0.0017	0.0139	0.0140	0.0634	0.0068	0.00305	0.0225	0.1380

Ave	69	0.000014	0.00334	0.0006	0.0419	0.0014	0.0205	0.0109	0.0497	0.0070	0.00305	0.0267	0.1643
Max	155	0.000040	0.00520	0.0006	0.0460	0.0027	0.0441	0.0203	0.0946	0.0093	0.00305	0.0293	0.3090
Min	14	0.000005	0.00185	0.0006	0.0331	0.0006	0.0087	0.0038	0.0198	0.0051	0.00305	0.0225	0.1000
No. > AAQC	1	0	0	0	0	0	0	0	0	0	0	0	0

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

METROLINX

An agency of the Government of Ontario A Division of METROLINX

Metrolinx - VOC Report

Station : 35022
Location : Strachan Avenue, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

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

Parameter	AAQC 24 Hr	RDL	03-Apr-12	09-Apr-12	15-Apr-12	21-Apr-12	27-Apr-12	03-May-12	09-May-12	15-May-12	21-May-12	27-May-12	02-Jun-12	08-Jun-12	14-Jun-12	20-Jun-12	26-Jun-12	Ave	Max	Min	Samples > AAQC
	µg/m^3	µg/m^3																µg/m^3	µg/m^3	µg/m^3	No.
2,2,4-Trimethylpentane	x	0.934	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	1.240	0.467	1.740	0.467	0.467	0.603	1.740	0.467	x
Carbon Disulfide	330	1.56	0.78	0.78	0.78	0.78	0.78	0.78	0.78	1.89	0.78	1.92	1.81	1.63	0.78	6.57	0.78	1.44	6.57	0.78	0
Propene	4000	0.516	2.258	2.258	2.258	2.258	2.258	2.258	2.258	3.240	2.258	2.258	2.258	2.258	2.258	2.258	2.258	2.323	3.240	2.258	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	3.5700	3.4700	3.4600	3.9100	3.9100	3.8700	3.9900	4.0600	4.0900	3.8900	3.9400	3.9700	3.0300	3.4200	4.7200	3.8200	4.7200	3.0300	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	1.130	1.110	1.270	1.290	1.250	1.450	1.420	1.430	1.840	1.170	1.320	1.230	1.220	1.960	1.520	1.374	1.960	1.110	0
Trichlorotrifluoroethane	800000	0.38	0.85	0.89	0.92	0.86	0.82	0.79	0.94	0.92	1.00	0.84	0.86	0.87	1.00	0.90	0.88	0.89	1.00	0.79	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	0.12	0.12	0.12	0.12	0.27	0.33	0.12	0.28	0.12	0.51	0.12	0.12	0.18	0.51	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	0.45	0.10	0.51	0.10	0.10	0.15	0.51	0.10	0
Carbon Tetrachloride	2.4	0.31	0.155	0.320	0.155	0.540	0.560	0.500	0.860	0.900	0.910	0.660	0.720	0.670	0.760	0.730	0.750	0.613	0.910	0.155	0
Trichlorofluoromethane	6000	1.12	1.80	1.72	1.79	1.60	1.64	1.68	1.82	1.88	1.81	1.76	1.92	1.82	2.03	1.91	2.39	1.84	2.39	1.60	0
Benzene	2.3	0.16	0.75	0.57	0.96	0.47	0.44	0.87	0.58	1.10	0.91	0.50	2.30	0.45	2.20	1.00	0.45	0.90	2.30	0.44	0
Ethanol	19000	4.33	6.860	2.165	4.640	2.165	2.165	9.970	7.750	13.400	10.200	6.170	15.800	8.630	24.700	9.180	10.600	8.960	24.700	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	1.400	0.135	1.000	0.135	0.135	0.277	1.400	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	10.000	3.685	3.685	3.685	3.685	4.106	10.000	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	0.95	0.95	9.77	0.95	2.46	14.10	8.40	19.60	9.63	6.20	61.70	5.30	47.60	57.50	19.20	17.62	61.70	0.95	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	17.900	4.425	11.400	4.425	4.425	5.788	17.900	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	41.600	3.965	10.500	3.965	3.965	6.910	41.600	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	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	0.3675	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	2.79	1.39	4.45	3.23	1.39	7.58	1.39	6.67	2.57	7.58	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	9.430	0.615	4.390	1.270	0.615	1.498	9.430	0.615	0
Tetrachloroethylene	360	1.36	0.68	0.68	0.68	0.68	0.68	9.05	0.68	0.68	0.68	0.68	2.35	0.68	0.68	0.68	0.68	1.35	9.05	0.68	0
Toluene	2000	0.753	1.4000	0.3675	1.1600	0.3675	0.8770	2.7600	1.7300	4.0100	1.5400	2.3500	28.0000	2.1400	18.200	6.1500	2.7400	4.9195	28.0000	0.3675	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	2.290	0.434	2.190	1.050	0.434	0.716	2.290	0.434	0
p+m-Xylene	730	1.61	0.805	0.805	2.380	0.805	0.805	0.805	0.805	2.370	0.805	0.805	7.160	0.805	6.020	3.170	0.805	1.943	7.160	0.805	0
o-Xylene	730	0.868	0.434	0.434	1.090	0.434	0.434	0.434	0.434	0.434	0.434	0.434	2.330	0.434	1.960	1.130	0.434	0.752	2.330	0.434	0
Styrene	400	0.852	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0
1,3,5-Trimethylbenzene	220	2.46	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	0
1,2,4-Trimethylbenzene	220	2.46	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	0
4-ethyltoluene	x	10.8	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	x
Chlorobenzene	x	0.921	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	0.4605	x
1,3-Dichlorobenzene	x	2.40	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	x
1,4-Dichlorobenzene	95	2.40	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	0
1,2-Dichlorobenzene	x	2.40	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	x
1,2,4-Trichlorobenzene	400	14.8	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	0
Hexane	2500	1.06	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	6.31	1.99	2.63	1.15	6.31	0.53	0
Cyclohexane	6100	0.688	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.797	0.344	0.939	0.344	0.344	0.414	0.939	0.344	0
Tetrahydrofuran	93000	1.18	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0
1,4-Dioxane	3500	7.21	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	3.605	0
Xylene (Total)	730	2.61	1.305	1.305	3.480	1.305	1.305	1.305	1.305	1.305	1.305	1.305	9.490	1.305	7.990	4.310	1.305	2.642	9.490	1.305	0

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

METROLINX
An agency of the Government of Ontario

A Division of METROLINX

Metrolinx - PAH Report - PUF Matrix

Station : 35022
Location : Strachan Avenue, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

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

Parameter	AAQC 24 Hr	RDL	03-Apr-12	09-Apr-12	15-Apr-12	21-Apr-12	27-Apr-12	03-May-12	09-May-12	15-May-12	21-May-12	27-May-12	02-Jun-12	08-Jun-12	14-Jun-12	20-Jun-12	26-Jun-12		Ave	Max	Min	Samples > AAQC
	ng/m^3	ng/m^3																	ng/m^3	ng/m^3	ng/m^3	No.
1,2-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
1-Methylnaphthalene	x	0.670	3.000	3.200	3.300	1.100	1.600	1.000	1.100	2.100	1.900	2.600	0.730	0.940	3.700	1.700	1.300		1.951	3.700	0.730	x
1-Methylphenanthrene	x	0.670	1.100	0.335	1.800	0.335	0.335	1.600	1.400	6.600	9.200	7.200	1.000	4.400	8.700	4.400	2.300		3.380	9.200	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylanthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.790	0.335	0.730	1.000	0.335	0.335	0.335	1.100	0.335	0.335		0.487	1.100	0.335	x
2-Methylnaphthalene	x	0.330	6.400	7.600	7.600	2.200	3.100	2.100	1.900	4.600	3.700	5.400	1.400	1.800	7.800	3.500	2.500		4.107	7.800	1.400	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	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Acenaphthene	x	0.330	23.000	20.000	39.000	13.000	11.000	12.000	11.000	13.000	15.000	20.000	5.200	6.400	30.000	12.000	11.000		16.107	39.000	5.200	x
Acenaphthylene	x	0.330	0.900	0.470	0.980	0.430	0.440	0.410	0.165	0.165	0.370	0.400	0.165	0.165	0.650	0.165	0.330		0.414	0.980	0.165	x
Anthracene	x	0.330	2.600	0.840	5.300	1.500	0.950	14.000	3.300	13.000	21.000	18.000	2.300	11.000	25.000	7.000	7.600		8.893	25.000	0.840	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	1.80	0.65	0.65	0.65	1.90	0.65	0.65		0.81	1.90	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330		<0.330	<0.330	<0.330	0
Benzo(b)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Biphenyl	x	0.670	4.200	4.500	5.200	1.800	2.000	1.400	1.300	2.300	2.000	3.200	0.890	1.100	4.400	2.000	1.400		2.513	5.200	0.890	x
Chrysene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.370	0.165	0.165	0.165	0.165	0.165		0.179	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	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Fluoranthene	x	0.330	7.300	4.800	14.000	5.600	4.700	40.000	16.000	54.000	83.000	61.000	9.700	59.000	58.000	43.000	31.000		32.740	83.000	4.700	x
Fluorene	x	0.330	52.000	53.000	82.000	20.000	24.000	72.000	23.000	36.000	62.000	43.000	16.000	19.000	58.000	17.000	22.000		39.933	82.000	16.000	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	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Naphthalene	22500	0.670	6.000	5.800	4.600	1.600	2.700	1.700	1.300	2.300	3.000	4.400	1.200	1.600	11.000	1.400	1.900		3.367	11.000	1.200	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Phenanthrene	x	1.30	79.00	93.00	140.00	34.00	42.00	320.00	99.00	470.00	580.00	500.00	56.00	380.00	430.00	130.00	130.00		232.20	580.00	34.00	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Pyrene	x	0.330	2.900	1.300	5.100	2.000	1.600	16.000	5.800	22.000	33.000	26.000	3.800	23.000	33.000	18.000	12.000		13.700	33.000	1.300	x
Quinoline	x	1.30	2.20	0.65	5.40	0.65	0.65	0.65	0.65	0.65	0.65	0.43	0.65	0.65	2.00	0.65	0.65		1.15	5.40	0.43	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Triphenylene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x

Note 1: All non detectable results are 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^3. This limit was revised to 0.05 ng/m^3 in July 2011. Current analytical methods are not able to detect below 0.05 ng/m^3 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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Metrolinx - PAH Report - Filter Matrix

Station : 35022
Location : Strachan Avenue, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

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

Parameter	AAQC 24 Hr	RDL	03-Apr-12	09-Apr-12	15-Apr-12	21-Apr-12	27-Apr-12	03-May-12	09-May-12	15-May-12	21-May-12	27-May-12	02-Jun-12	08-Jun-12	14-Jun-12	20-Jun-12	26-Jun-12		Ave	Max	Min	Samples > AAQC
	ng/m^3	ng/m^3																	ng/m^3	ng/m^3	ng/m^3	No.
1,2-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
1-Methylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
1-Methylphenanthrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylanthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylnaphthalene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
3-Methylcholanthrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
7,12-Dimethylbenzo(a)anthracene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
9,10-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	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
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	0.500	0.165	0.165	0.165	0.165	0.165	0.165	0.350	0.165	0.165	0.165	0.165	0.165	0.420		0.217	0.500	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	0.540	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0.380	<0.330	<0.330	<0.330	<0.330	<0.330	0.390		0.437	0.540	0.380	3
Benzo(b)fluoranthene	x	0.330	0.165	0.860	0.165	0.165	0.330	0.165	0.165	0.560	0.590	0.165	0.165	0.165	0.165	0.165	0.690		0.312	0.860	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.540	0.165	0.165	0.165	0.165	0.165	0.370	0.165	0.500	0.165	0.165	0.165	0.165	0.360		0.239	0.540	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Biphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Chrysene	x	0.330	0.165	0.640	0.165	0.165	0.165	0.165	0.165	0.430	0.450	0.165	0.165	0.165	0.165	0.165	0.520		0.257	0.640	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Fluoranthene	x	0.330	0.730	4.300	0.410	0.165	0.660	0.600	0.165	1.300	1.000	0.430	0.165	0.450	0.690	0.520	1.800		0.892	4.300	0.165	x
Fluorene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.440	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.183	0.440	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Naphthalene	22500	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Phenanthrene	x	1.30	0.40	1.90	0.65	0.65	0.65	0.65	0.65	0.60	0.49	0.54	0.65	0.42	0.69	0.39	0.98		0.69	1.90	0.39	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Pyrene	x	0.330	0.400	1.400	0.165	0.165	0.165	0.165	0.165	0.750	0.690	0.165	0.165	0.165	0.460	0.360	1.100		0.432	1.400	0.165	x
Quinoline	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Triphenylene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x

Note 1: All non detectable results are 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^3. This limit was revised to 0.05 ng/m^3 in July 2011. Current analytical methods are not able to detect below 0.05 ng/m^3 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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Metrolinx - PAH Report - Total PAH

Station : 35022
Location : Strachan Avenue, Toronto
Reporting Period : 01 April, 2012 to 30 June, 2012

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

Parameter	AAQC 24 Hr	RDL	03-Apr-12	09-Apr-12	15-Apr-12	21-Apr-12	27-Apr-12	03-May-12	09-May-12	15-May-12	21-May-12	27-May-12	02-Jun-12	08-Jun-12	14-Jun-12	20-Jun-12	26-Jun-12		Ave	Max	Min	Samples > AAQC
	ng/m^3	ng/m^3																	ng/m^3	ng/m^3	ng/m^3	No.
1,2-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
1-Methylnaphthalene	x	0.670	3.000	3.200	3.300	1.100	1.600	1.000	1.100	2.100	1.900	2.600	0.730	0.940	3.700	1.700	1.300		1.951	3.700	0.730	x
1-Methylphenanthrene	x	0.670	1.100	0.335	1.800	0.335	0.335	1.600	1.400	6.600	9.200	7.200	1.000	4.400	8.700	4.400	2.300		3.380	9.200	0.335	x
2,6 & 2,7-Dimethylnaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Chloronaphthalene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
2-Methylanthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.790	0.335	0.730	1.000	0.335	0.335	0.335	1.100	0.335	0.335		0.487	1.100	0.335	x
2-Methylnaphthalene	x	0.330	6.400	7.600	7.600	2.200	3.100	2.100	1.900	4.600	3.700	5.400	1.400	1.800	7.800	3.500	2.500		4.107	7.800	1.400	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	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Acenaphthene	x	0.330	23.000	20.000	39.000	13.000	11.000	12.000	11.000	13.000	15.000	20.000	5.200	6.400	30.000	12.000	11.000		16.107	39.000	5.200	x
Acenaphthylene	x	0.330	0.900	0.470	0.980	0.430	0.440	0.410	0.165	0.165	0.370	0.400	0.165	0.165	0.650	0.165	0.330		0.414	0.980	0.165	x
Anthracene	x	0.330	2.600	0.840	5.300	1.500	0.950	14.000	3.300	13.000	21.000	18.000	2.300	11.000	25.000	7.000	7.600		8.893	25.000	0.840	x
Benzo(a)anthracene	x	0.330	0.165	0.500	0.165	0.165	0.165	0.165	0.165	0.165	0.350	0.165	0.165	0.165	0.165	0.165	0.420		0.217	0.500	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	1.80	0.65	0.65	0.65	1.90	0.65	0.65		0.81	1.90	0.65	x
Benzo(a)pyrene	0.05	0.330	<0.330	0.540	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0.380	<0.330	<0.330	<0.330	<0.330	<0.330	0.390		0.437	0.540	0.380	3
Benzo(b)fluoranthene	x	0.330	0.165	0.860	0.165	0.165	0.330	0.165	0.165	0.560	0.590	0.165	0.165	0.165	0.165	0.165	0.690		0.312	0.860	0.165	x
Benzo(b)fluorene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(e)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(g,h,i)perylene	x	0.330	0.165	0.540	0.165	0.165	0.165	0.165	0.165	0.370	0.165	0.500	0.165	0.165	0.165	0.165	0.360		0.239	0.540	0.165	x
Benzo(j)fluoranthene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(k)fluoranthene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Biphenyl	x	0.670	4.200	4.500	5.200	1.800	2.000	1.400	1.300	2.300	2.000	3.200	0.890	1.100	4.400	2.000	1.400		2.513	5.200	0.890	x
Chrysene	x	0.330	0.165	0.640	0.165	0.165	0.165	0.165	0.165	0.430	0.450	0.370	0.165	0.165	0.165	0.165	0.520		0.271	0.640	0.165	x
Coronene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenz(a,h)anthracene	x	0.330	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.165	0.165	0.165	x
Dibenzo(a,e)pyrene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Dibenzo(a,i)pyrene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Fluoranthene	x	0.330	8.000	9.100	14.000	5.600	5.300	40.000	16.000	55.000	84.000	61.000	9.700	59.000	59.000	44.000	33.000		33.513	84.000	5.300	x
Fluorene	x	0.330	52.000	53.000	82.000	20.000	24.000	72.000	23.000	36.000	62.000	43.000	16.000	19.000	58.000	17.000	22.000		39.933	82.000	16.000	x
Indeno(1,2,3-cd)pyrene	x	0.330	0.165	0.440	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165		0.183	0.440	0.165	x
m-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Naphthalene	22500	0.670	6.000	5.800	4.600	1.600	2.700	1.700	1.300	2.300	3.000	4.400	1.200	1.600	11.000	1.400	1.900		3.367	11.000	1.200	0
o-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Perylene	x	1.30	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65		0.65	0.65	0.65	x
Phenanthrene	x	1.30	79.00	95.00	140.00	34.00	42.00	320.00	99.00	470.00	580.00	500.00	56.00	380.00	430.00	130.00	130.00		232.33	580.00	34.00	x
p-Terphenyl	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Pyrene	x	0.330	3.300	2.700	5.100	2.000	1.600	16.000	5.800	23.000	34.000	26.000	3.800	23.000	33.000	18.000	13.000		14.020	34.000	1.600	x
Quinoline	x	1.30	2.20	0.65	5.40	0.65	0.65	0.65	0.65	0.65	0.65	0.43	0.65	0.65	2.00	0.65	0.65		1.15	5.40	0.43	x
Tetralin	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Benzo(b)anthracene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Dibenzo(a,c)anthracene + Picene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x
Triphenylene	x	0.670	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335		0.335	0.335	0.335	x

Note 1: All non detectable results are 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^3. This limit was revised to 0.05 ng/m^3 in July 2011. Current analytical methods are not able to detect below 0.05 ng/m^3 and B(a)P is reported as below the detection limit. Metrolinx is working with the MOE to resolve this issue.