

**ONTARIO TYPICAL RANGE
OF CHEMICAL PARAMETERS
IN SOIL, VEGETATION,
MOSS BAGS AND SNOW**

DECEMBER 1993



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Errata 1.0 to Version 1.0a

October 27, 1999

Since the OTR document was last printed in December 1993, there have been some problems found for some of the test parameters.

1. None of the fluoride in soil values are correct. These samples are currently being reanalysed and will be available sometime in 2000.

2. It was also determined that all of the PAH results were in error and the corresponding graphs and tables in the main document should not be used. The 1991 Old Urban Parkland sampling locations were re-sampled in 1994 and the new OTRs for PAHs in Old Urban Parkland are given in the table bellow. The Rural Parkland sampling sites were re-sampled in 1995 and 1996 but results have not been compiled at this time.

Table 7.1.c Replacement: Summary of OTR₉₈ Values for PAHs Class 1 Soil								
Parameter	Land Use	OTR₉₈	LCL	UCL	π	n	̄xCV	̄xn_{cv}
Acenaphthylene (ng/g)	Old Urban: Parkland	47 <T	35	61	0.78	65	34%	3
Acenaphthene (ng/g)	Old Urban: Parkland	32 <T	21	180	0.78	65	62%	2
Anthracene (ng/g)	Old Urban: Parkland	58 <T	55	85	0.78	65	89%	3
Benzo(a)anthracene (ng/g)	Old Urban: Parkland	360	260	390	0.78	65	53%	3
Dibenzo(a,h)-anthracene (ng/g)	Old Urban: Parkland	77 <T	65	150	0.78	65	52%	3
Chrysene (ng/g)	Old Urban: Parkland	350	290	460	0.78	65	49%	3
Fluoranthene (ng/g)	Old Urban: Parkland	560	460	600	0.78	65	49%	3
Fluorene (ng/g)	Old Urban: Parkland	39 <T	30	180	0.78	65	99%	3
Benzo(k)fluoranthene (ng/g)	Old Urban: Parkland	260	200	340	0.78	65	43%	3
Benzo(b)fluoranthene (ng/g)	Old Urban: Parkland	300	250	420	0.78	65	28%	3
Napthalene (ng/g)	Old Urban: Parkland	75 <T	69	97	0.78	65	10%	3

Table 7.1.c Replacement: Summary of OTR₉₈ Values for PAHs Class 1 Soil								
Parameter	Land Use	OTR₉₈	LCL	UCL	π	n	̄xCV	̄xn_{cv}
Pyrene (ng/g)	Old Urban: Parkland	490	410	660	0.78	65	56%	3
Benzo(a)pyrene (ng/g)	Old Urban: Parkland	300	220	370	0.78	65	32%	3
Indeno(1,2,3-cd)-pyrene (ng/g)	Old Urban: Parkland	230 <T	170	330	0.78	65	33%	3
Phenanthrene (ng/g)	Old Urban: Parkland	310 <T	240	360	0.78	65	61%	3
Benzo(ghi)-perylene	Old Urban: Parkland	280 <T	160	680	0.78	65	72%	3
OTR Old Urban Parkland PAH Results From 1994 Re-sampling								

Version 2.0 of the document, which will include soil for all land use categories and OTR's for a number of tree species will be released by the fall of 2000. If you have any questions about the OTRs please contact:

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Ontario Ministry of Environment and Energy
"Ontario Typical Range"
of Chemical Parameters in Soil, Vegetation, Moss Bags and Snow

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Standards Development Branch

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