

Metadata: Ontario Typical Range Soil Chemistry Data

Title	Ontario Typical Range Soil Chemistry Data
Abstract	<p>The dataset contains baseline soil chemistry conditions in Ontario from two separate studies: inorganics (1991) and volatile organic compounds (2009).</p> <p>Inorganics (July 2, 1991 – July 9, 1991)</p> <p>The Ontario Typical Range (OTR) project was undertaken to determine the typical ranges of chemical concentrations that were found in soils or vegetation across the province of Ontario. It addressed implementation issues found in the Upper Limit Normal Guidelines released from the Ministry of the Environment in 1989. Samples were taken from rural and old urban parkland sites situated away from contaminant point sources. Results of the OTR project were published in December 1993 as “Ontario Typical Range of Chemical Parameters in Soil, Vegetation, Moss Bags and Snow”. These data were subsequently used to develop the Ministry of the Environment and Climate Change’s Table 1 (Background) soil standards under Ontario Regulation 153/04 – Record of Site Condition. There are insufficient data in the data set to develop local background numbers given the distribution of the data across the province (for example, a local OTR98 value or local O. Reg. 153/04 background soil standard). For more information on the Ontario Typical Range program please refer to “Ontario Typical Range of Chemical Parameters in Soil, Vegetation, Moss Bags and Snow, MOE 1993”</p> <p>Volatile Organic Compounds (October 06, 2009 – November 10, 2009)</p> <p>In 2009, the Ontario Centres of Excellence, the Ontario Ministry of the Environment, and the Canadian Petroleum Products Institute undertook another study to improve upon quantifying typical concentration ranges for Low level BTEX (Benzene, Toluene, Ethylbenzene and Xylene) and Petroleum Hydrocarbon (PHC) Fractions F1, F2, F3 and F4 Parameters in Soil.</p> <p>Some compounds were not detected and are indicated by the use of < in front of the numerical concentrations. The numerical concentration reported for non-detects is the detection limit.</p>
Status	Completed
Contact	<p>Name: Michele Williamson</p> <p>Email: michele.williamson@ontario.ca</p> <p>Organisation: Ontario Ministry of Environment and Climate Change, Environmental Monitoring and Reporting Branch, Terrestrial Assessment and Field Services Unit</p> <p>Role: Point of contact</p>
Cited Responsible Parties	<p>Name: Michele Williamson</p> <p>Email: michele.williamson@ontario.ca</p> <p>Organisation: Ontario Ministry of Environment and Climate Change, Environmental Monitoring and Reporting Branch, Terrestrial Assessment and Field Services Unit</p> <p>Role: Point of contact</p>

Geographical Bounds	West bound: -95.15699 East bound: -74.30798 South bound: 41.6723 North bound: 56.850117
Date stamp	2016-05-16T10:07:28