



Ministry for the  
**Environment**  
*Manatū Mō Te Taiao*

## Benzene concentrations in Hamilton, 2003–16

### Title

Benzene concentrations in Hamilton, 2003–16

### Publisher

New Zealand's Environment Reporting Series: The Ministry for the Environment and Statistics  
New Zealand

### Description

Benzene is a volatile organic compound (VOC) that is common in the air. Motor vehicles are benzene's primary emission source (Guerreiro, Foltescu, & de Leeuw, 2014; Weisel, 2010) although burning wood or coal for home heating, volcanoes, and forest fires also emit benzene. Benzene is a human carcinogen (World Health Organization Regional Office for Europe Copenhagen, 2000) that has been shown to cause leukaemia (Smith, 2010), and is associated with developmental, immune, neurological, reproductive, and respiratory problems (Bahadar, Mostafalou, & Abdollahi, 2014). Acute exposure can affect the liver and respiration (Bahadar et al, 2014). More information on this dataset and how it relates to our environmental reporting indicators and topics can be found in the attached data quality pdf.

### Source

Waikato Regional Council

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### Coverage

2003–16, Hamilton

### Identifier

<https://data.mfe.govt.nz/table/98412-benzene-concentrations-in-hamilton-200316/>

### Identifier

OA18/002

### Type

Dataset

### Language

eng-nz

### Subject

Environmental reporting series: Our air 2018