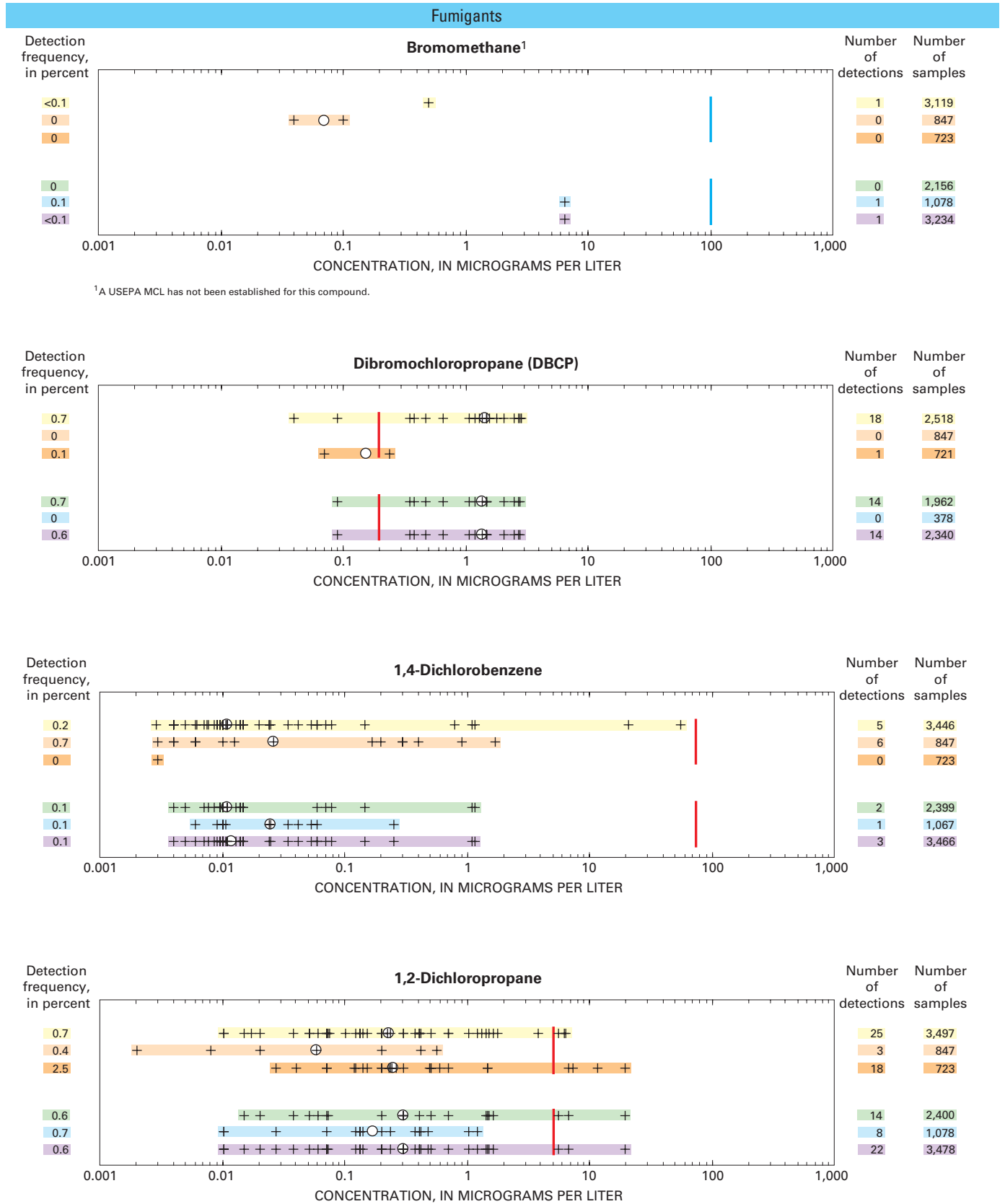


Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.

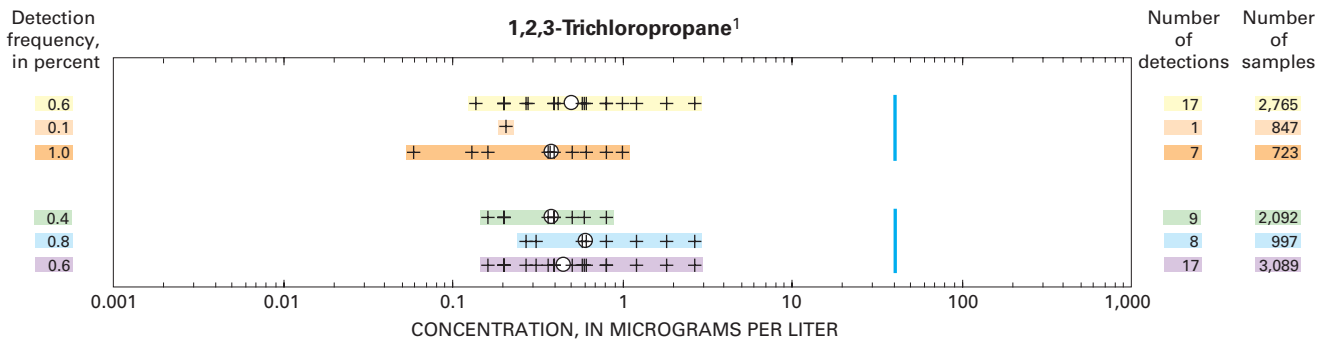
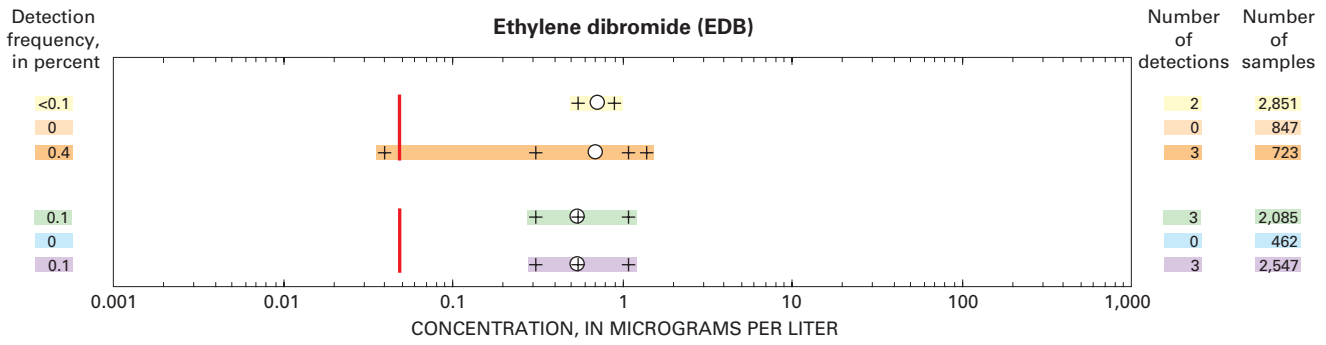
EXPLANATION

- + **VOC concentration for a sample**—Multiple samples of equal concentration will appear as a single cross. Concentrations are shown for all samples and without the application of an assessment level
 - **Median of concentrations for two or more detections, considering all samples and without the application of an assessment level**—Several analytical methods, with differing sensitivity for a specific VOC with time, as well as between VOCs, were used in this assessment. Because of the differing analytical sensitivities, comparison of the median concentrations (shown in the charts) between study type, well type, and VOCs is not appropriate
 - 0.1 **Detection frequency, in percent, at an assessment level of 0.2 microgram per liter**—For detection frequency information at other assessment levels refer to Appendixes 6, 8, and 10
 - 1 **Number of detections at or above the assessment level of 0.2 microgram per liter**
- 1,078 **Number of samples**
- Study types**
- Aquifers
 - Shallow ground water in urban areas
 - Shallow ground water in agricultural areas
- Ground water supplying domestic and public wells**
- Domestic wells
 - Public wells
 - Domestic and public wells
- Drinking-water standards and screening levels**
- U.S. Environmental Protection Agency (USEPA) Maximum Contaminant Level (MCL)
 - Health-Based Screening Level (HBSL)

Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.—Continued

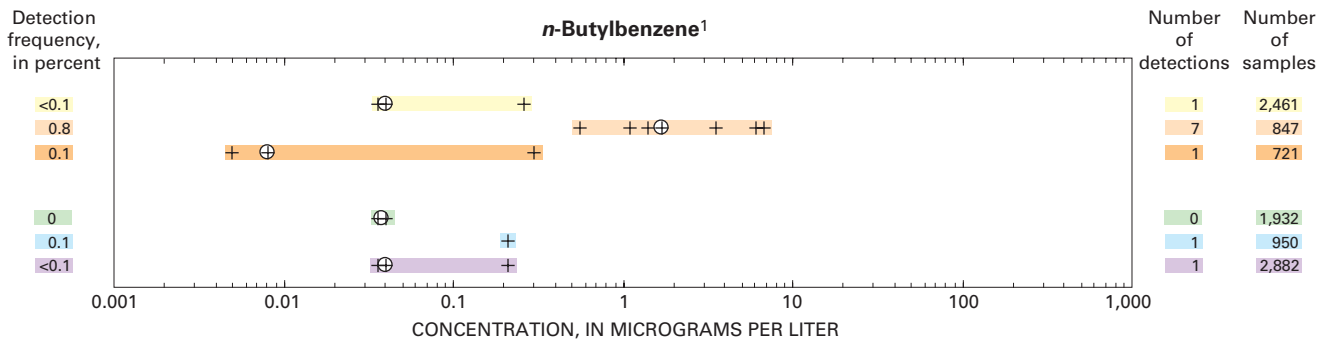
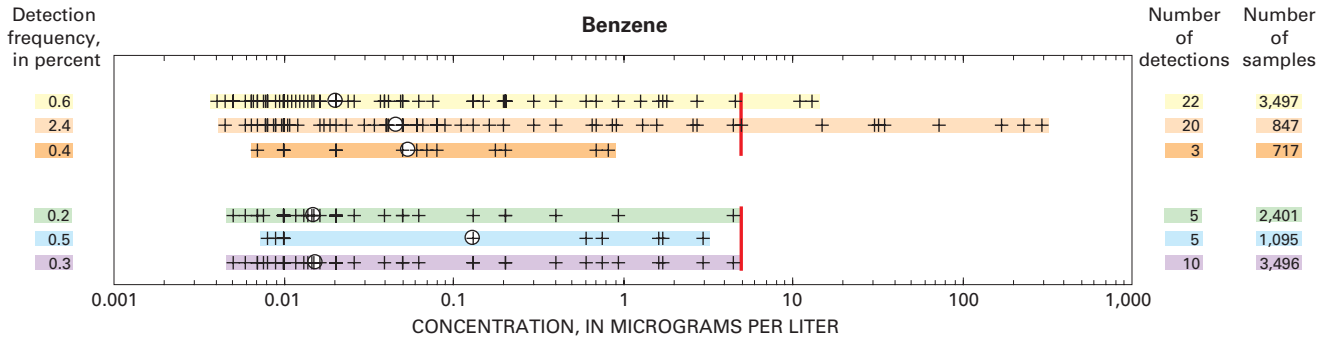


Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.—Continued



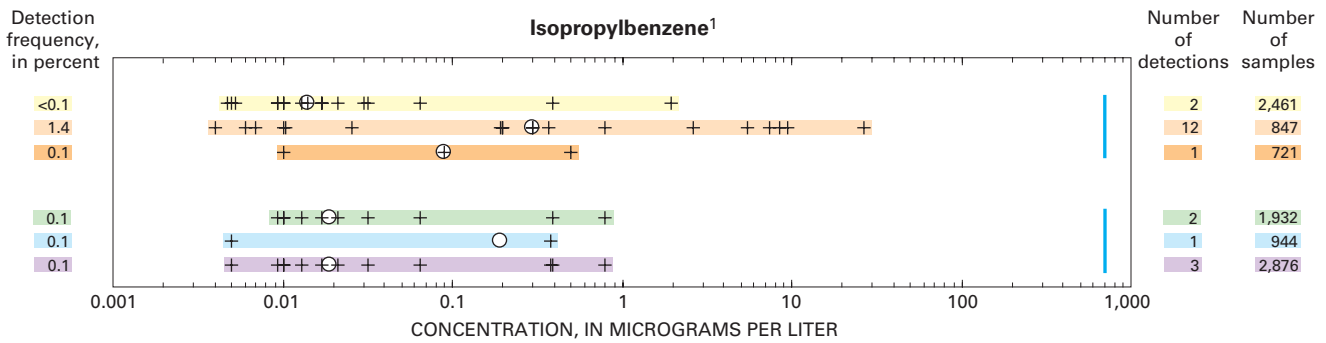
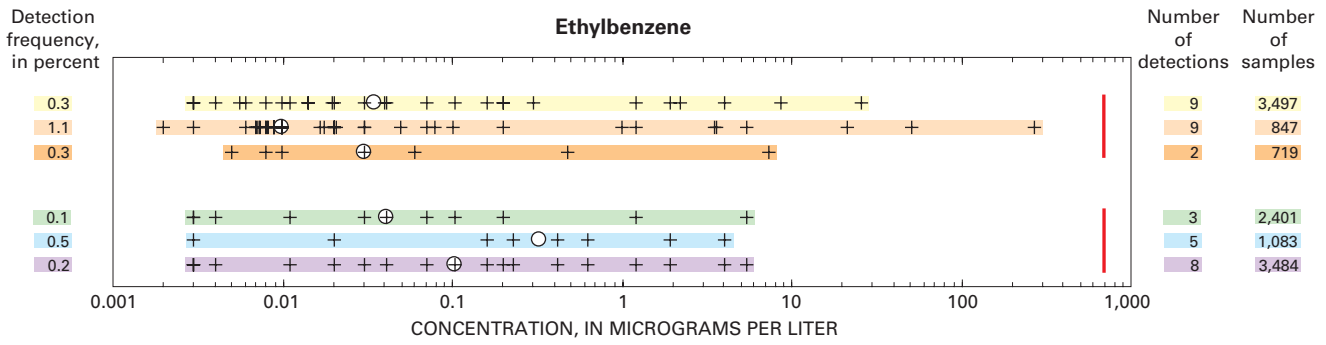
¹A USEPA MCL has not been established for this compound.

Gasoline hydrocarbons

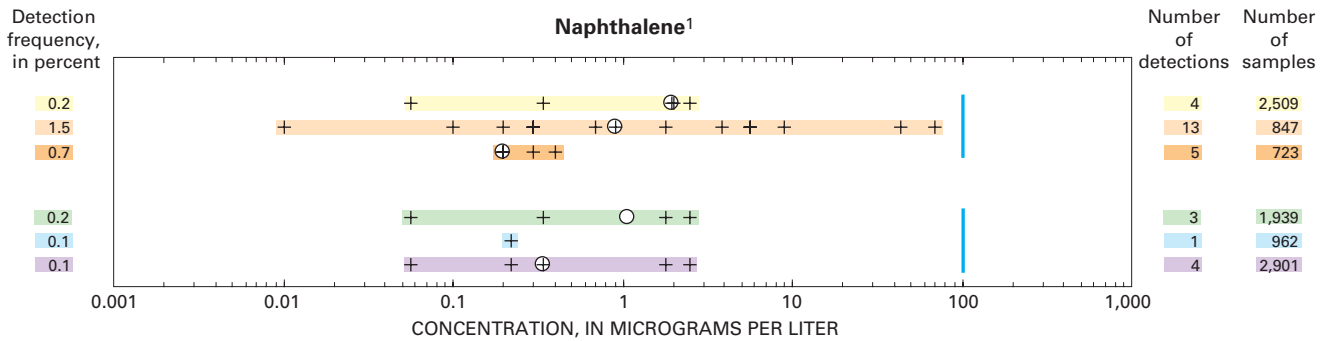


¹Neither an MCL nor HBSL has been established for this compound.

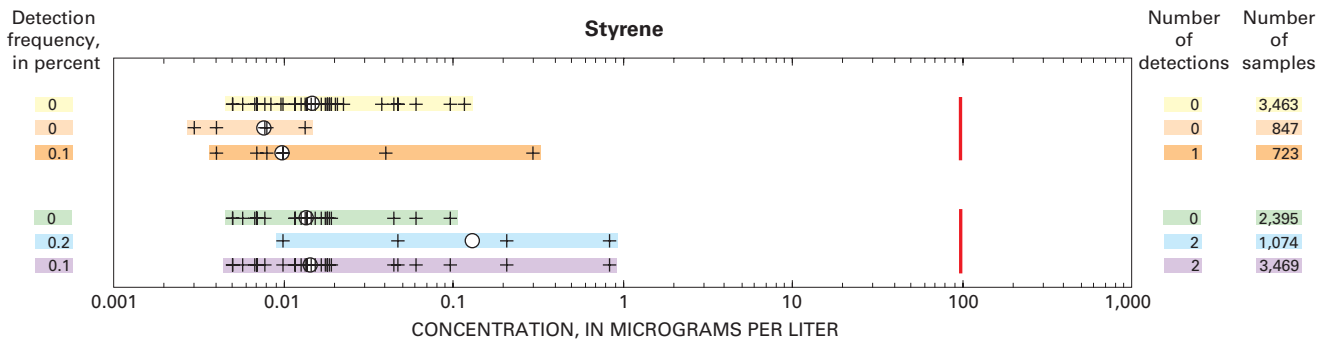
Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.—Continued



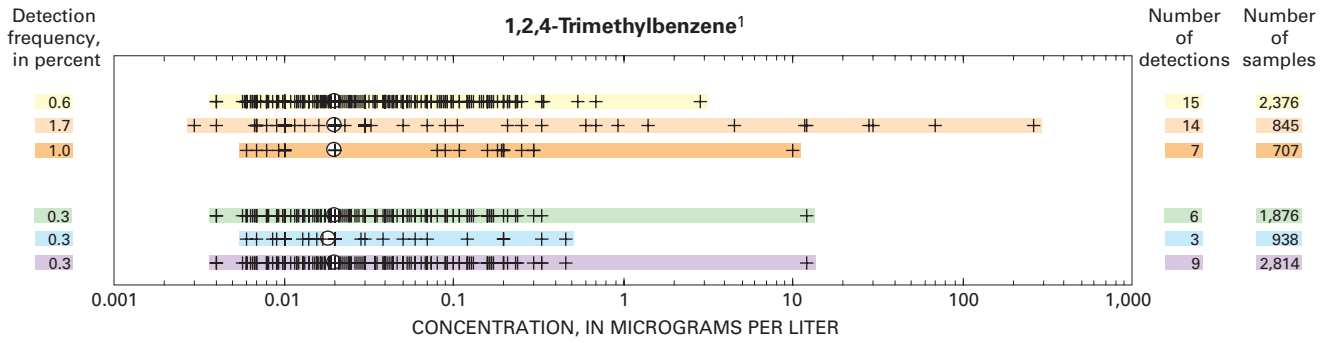
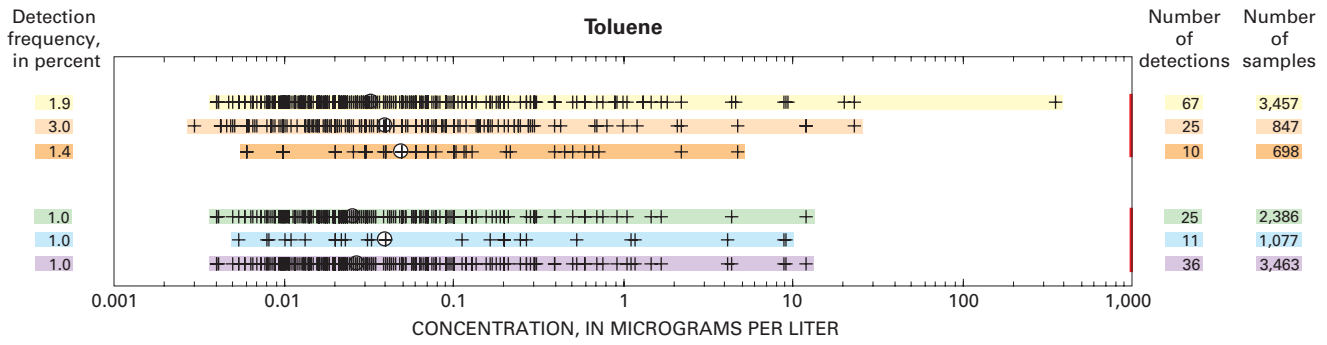
¹A USEPA MCL has not been established for this compound.



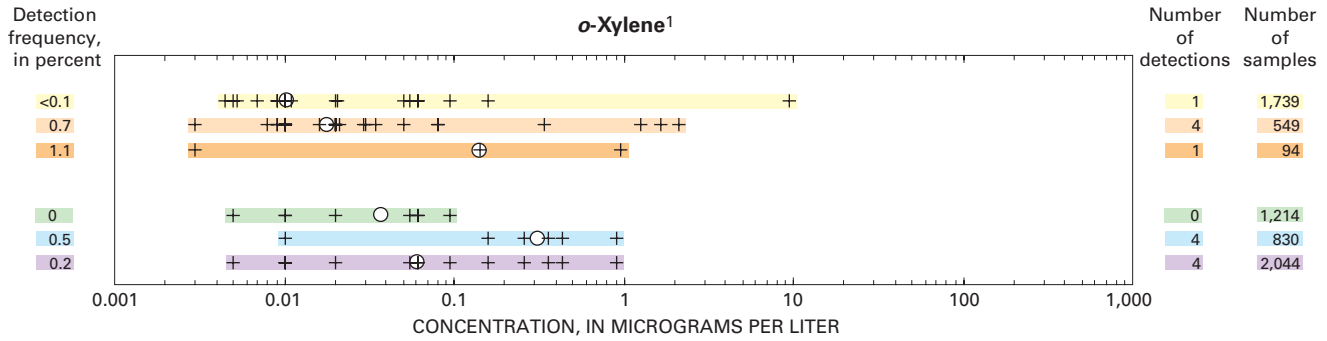
¹A USEPA MCL has not been established for this compound.



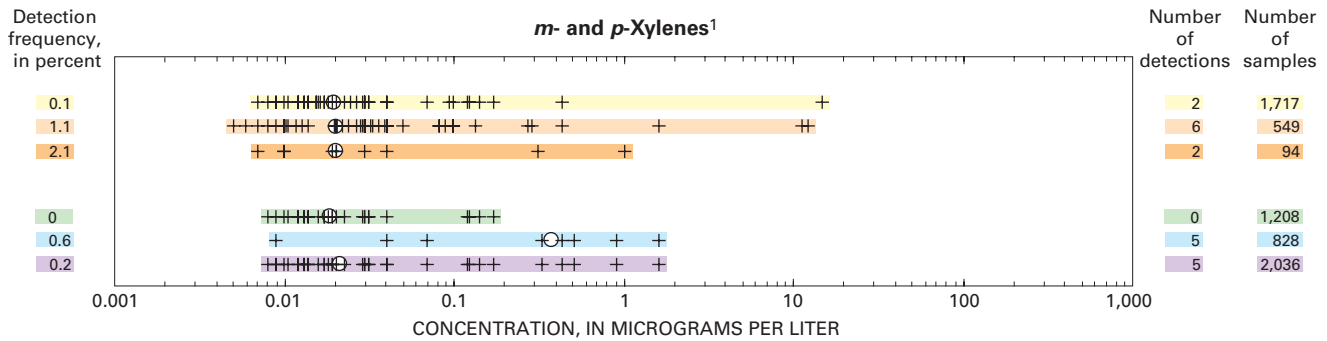
Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.—Continued



¹Neither an MCL nor HBSL has been established for this compound.

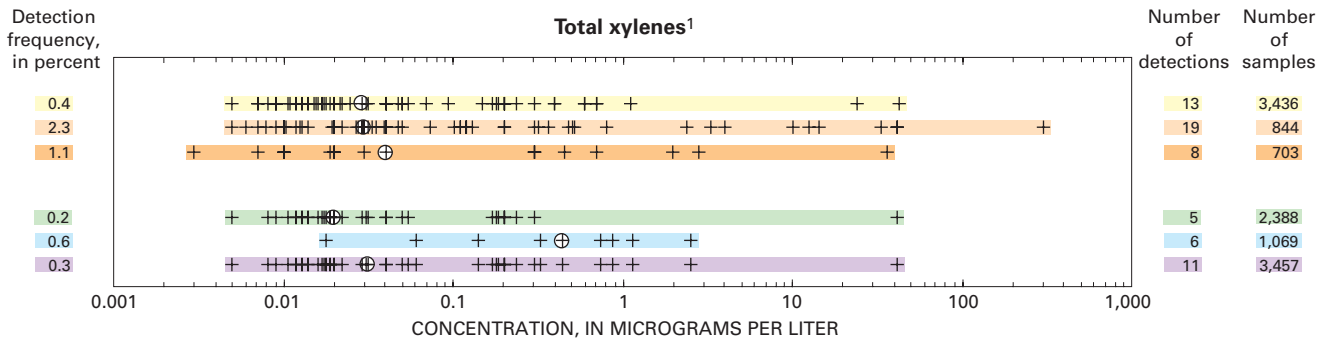


¹The MCL is for total xylenes (10,000 µg/L).

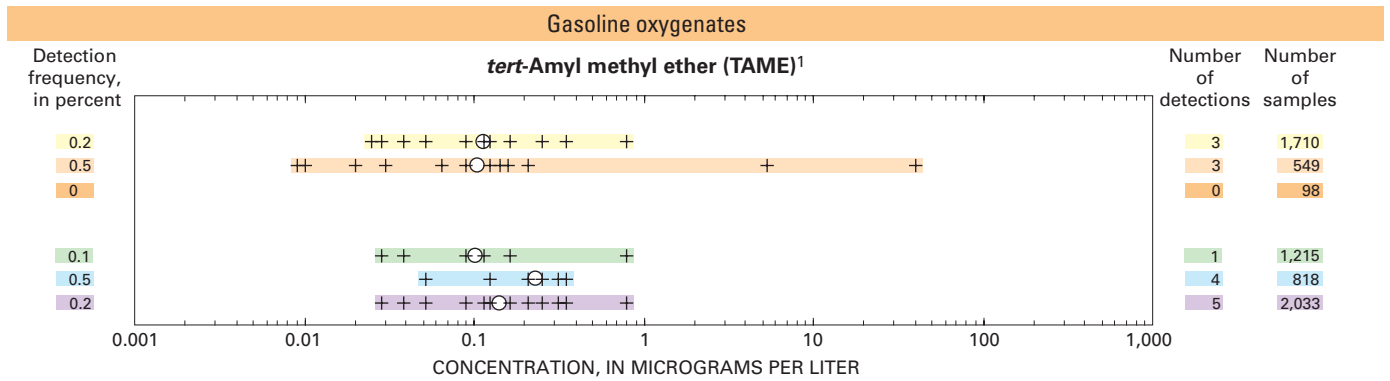


¹The MCL is for total xylenes (10,000 µg/L).

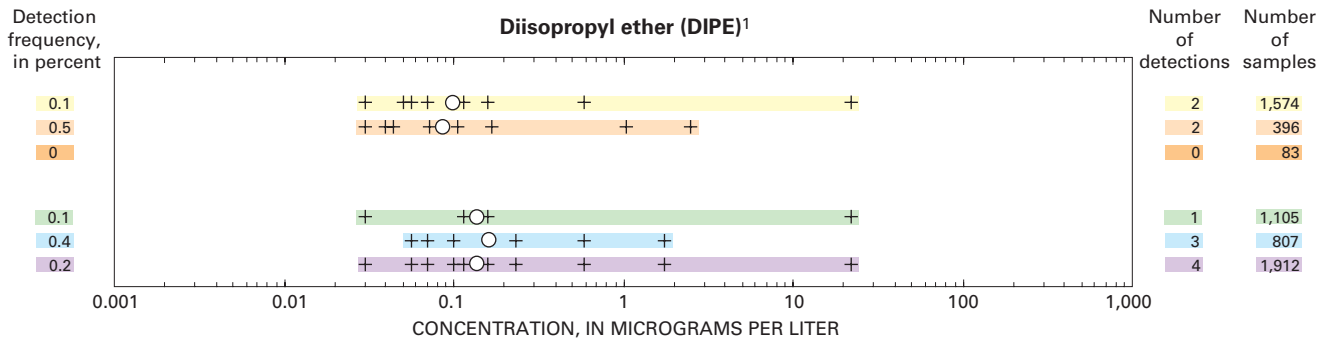
Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.—Continued



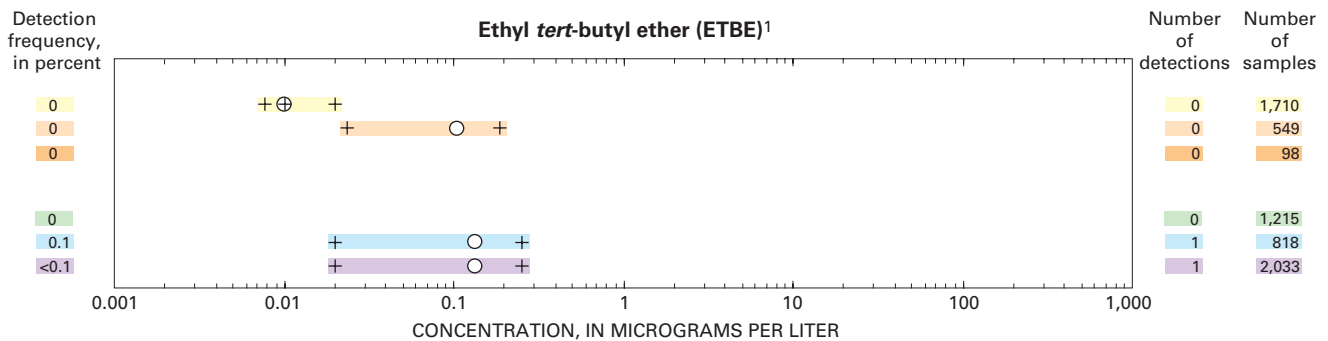
¹The MCL is for total xylenes (10,000 µg/L).



¹Neither an MCL nor HBSL has been established for this compound.

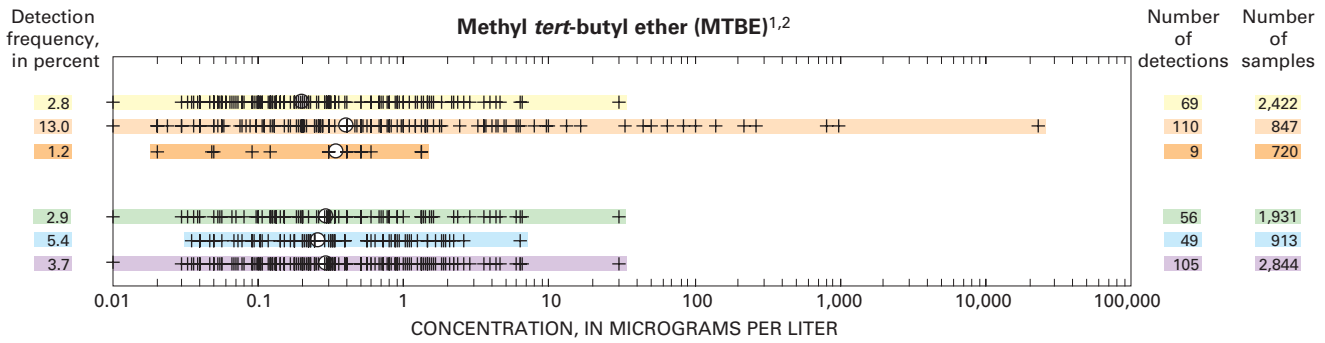


¹Neither an MCL nor HBSL has been established for this compound.



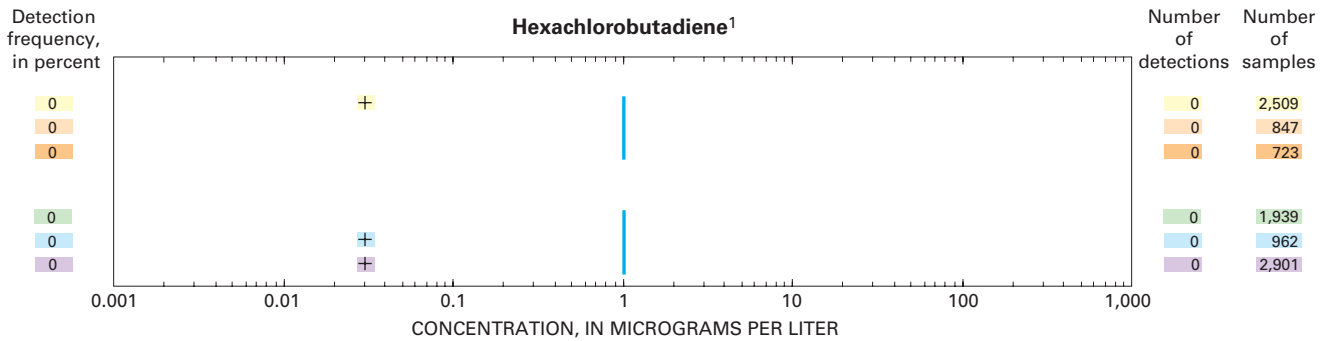
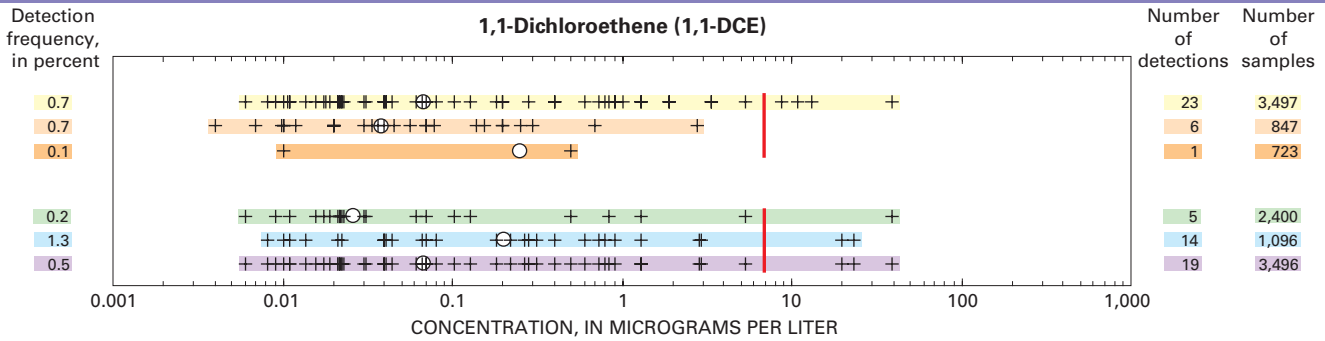
¹Neither an MCL nor HBSL has been established for this compound.

Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.—Continued

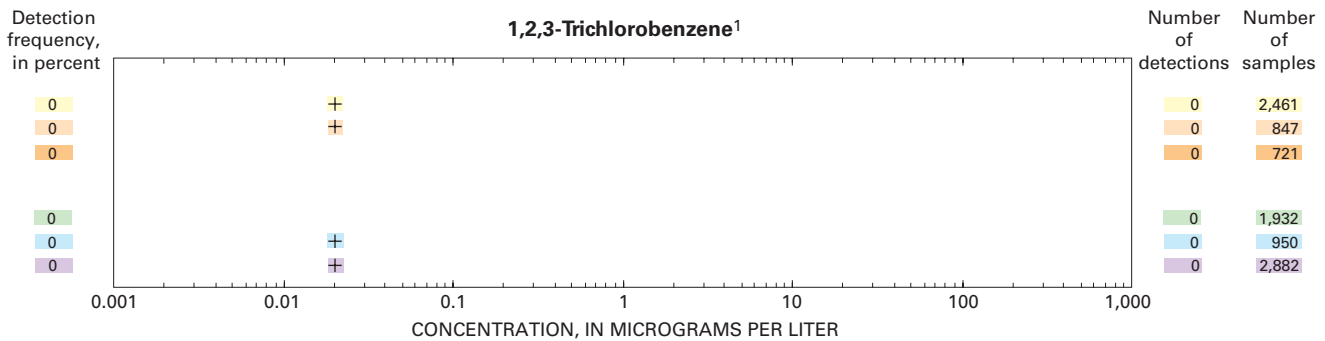


¹Neither an MCL nor HBSL has been established for this compound.
²Note different scale.

Organic synthesis compounds

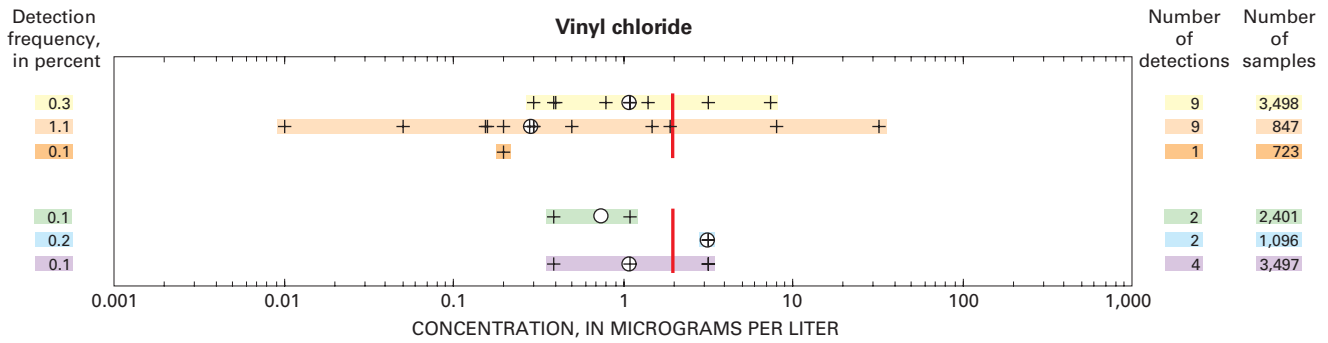


¹A USEPA MCL has not been established for this compound.

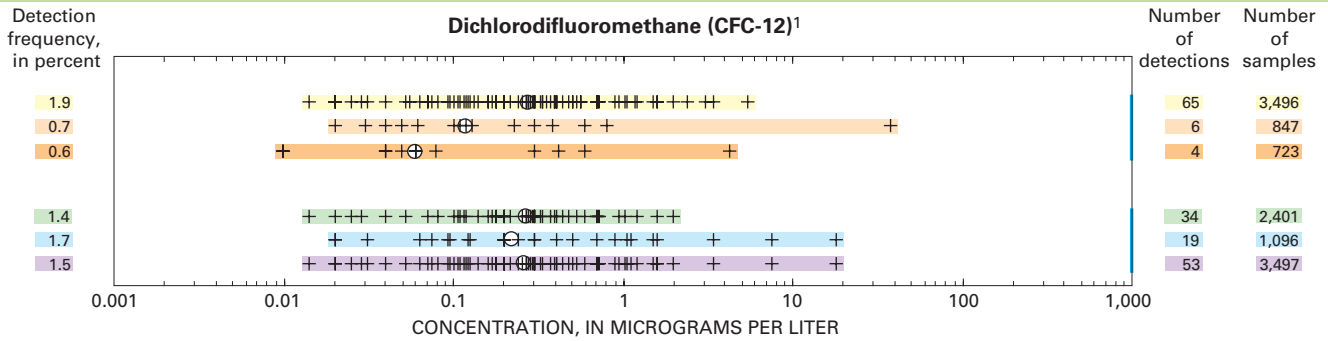


¹Neither an MCL nor HBSL has been established for this compound.

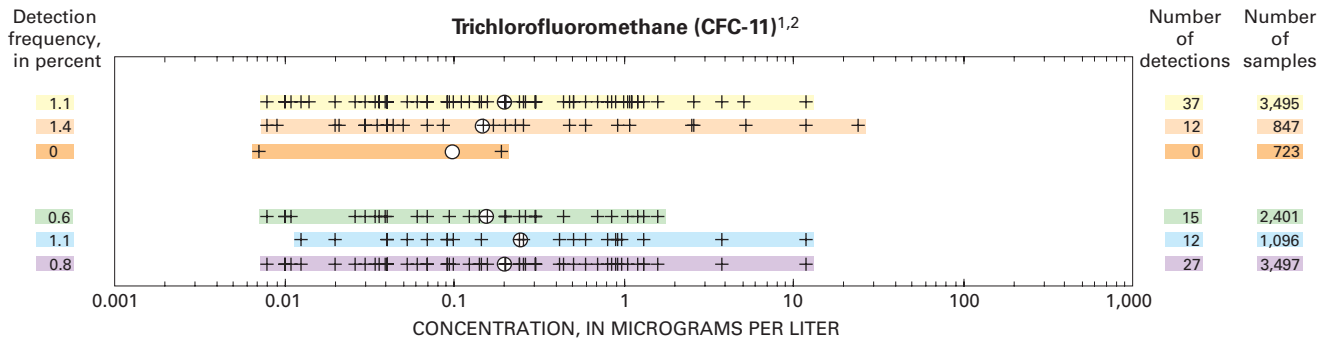
Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.—Continued



Refrigerants

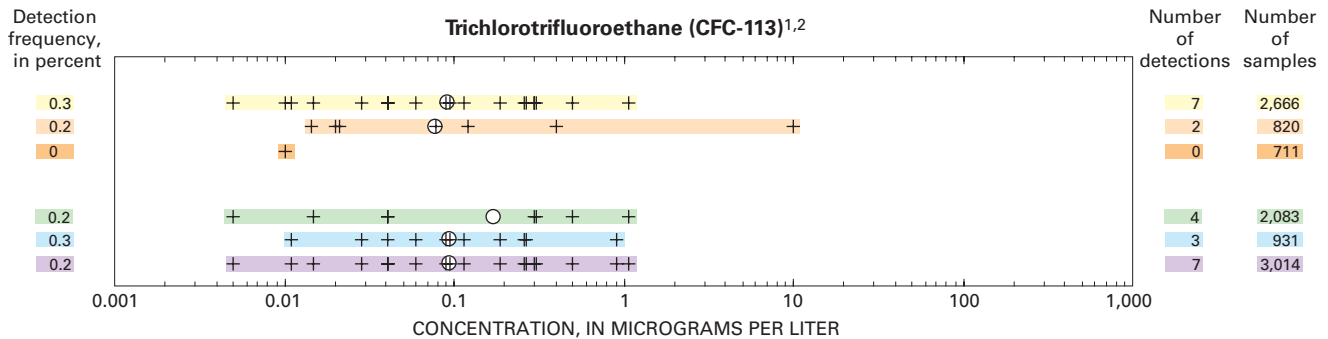


¹A USEPA MCL has not been established for this compound.



¹A USEPA MCL has not been established for this compound.

²The HBSL is 2,000 µg/L.

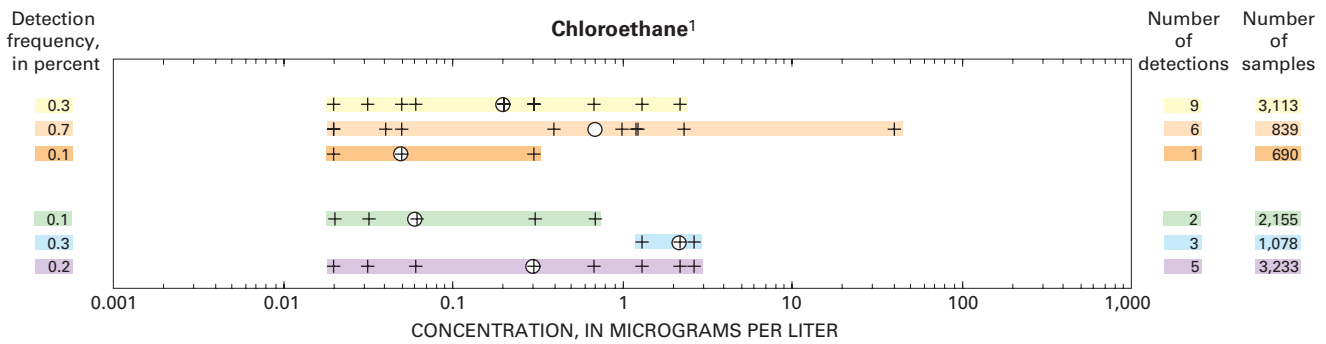
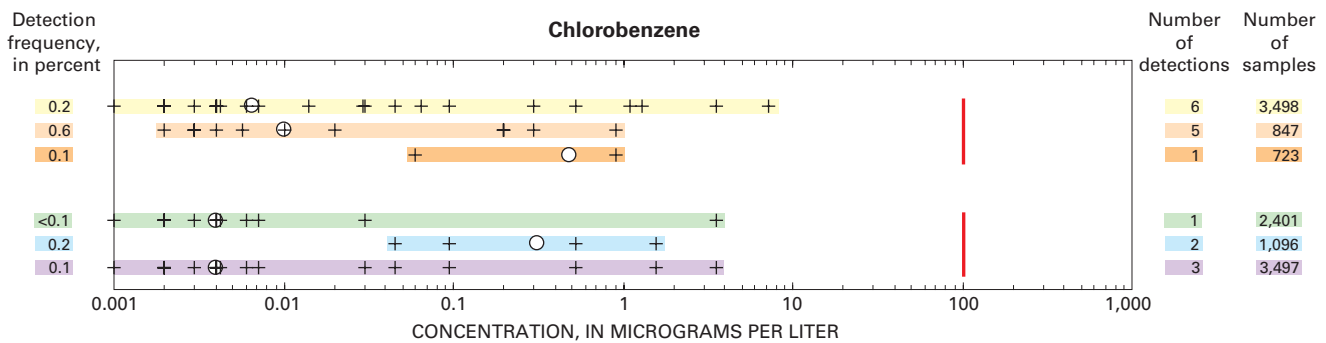
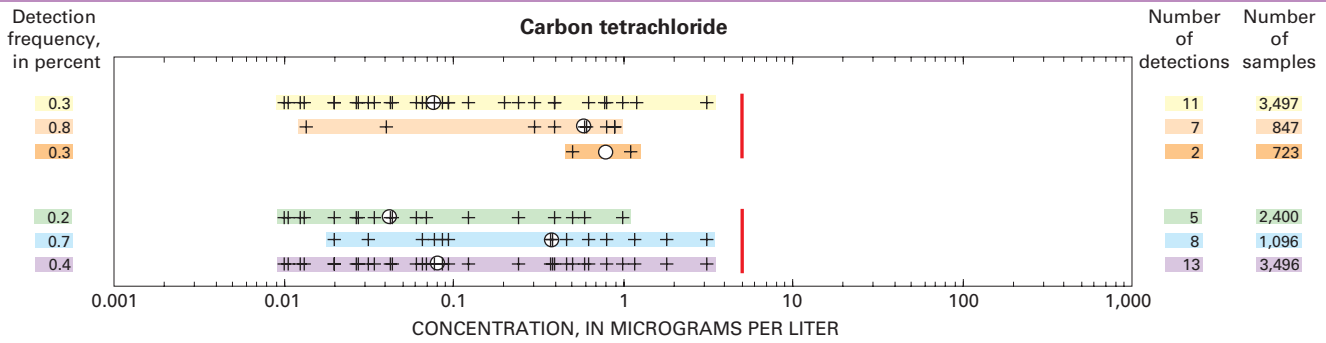


¹A USEPA MCL has not been established for this compound.

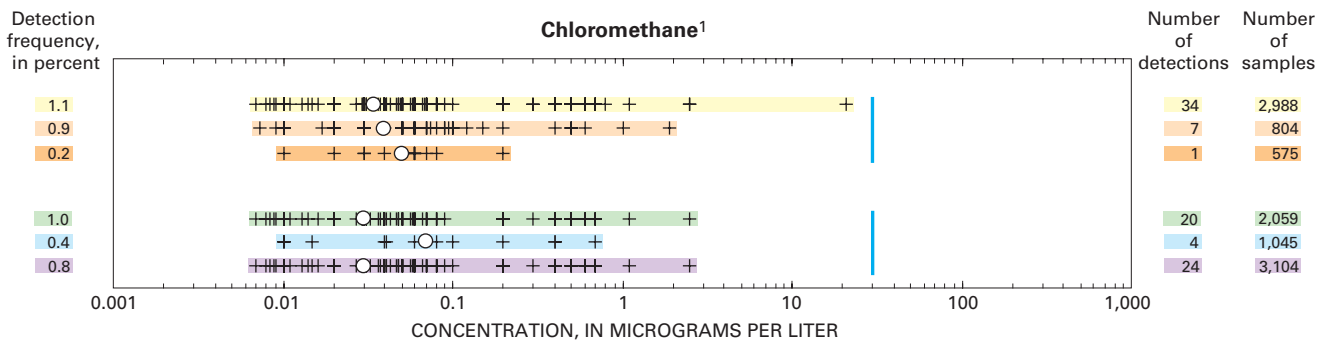
²The HBSL is 200,000 µg/L.

Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.—Continued

Solvents

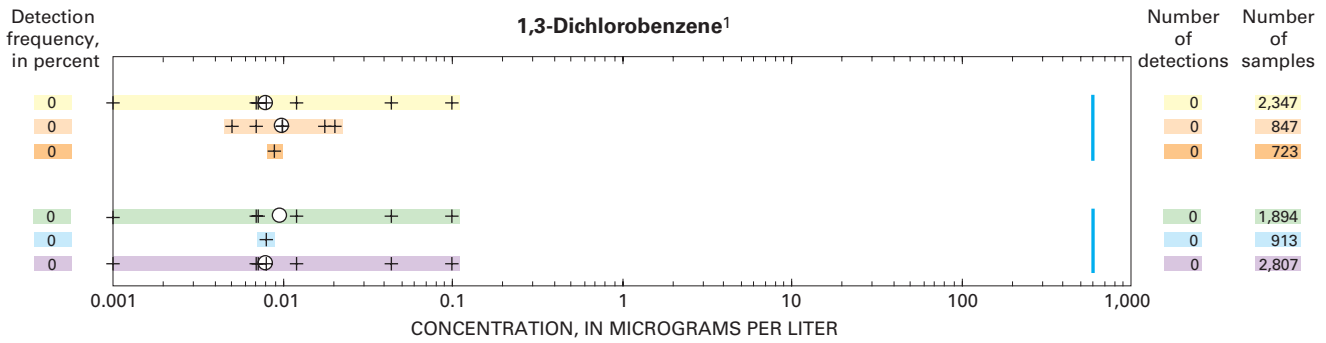
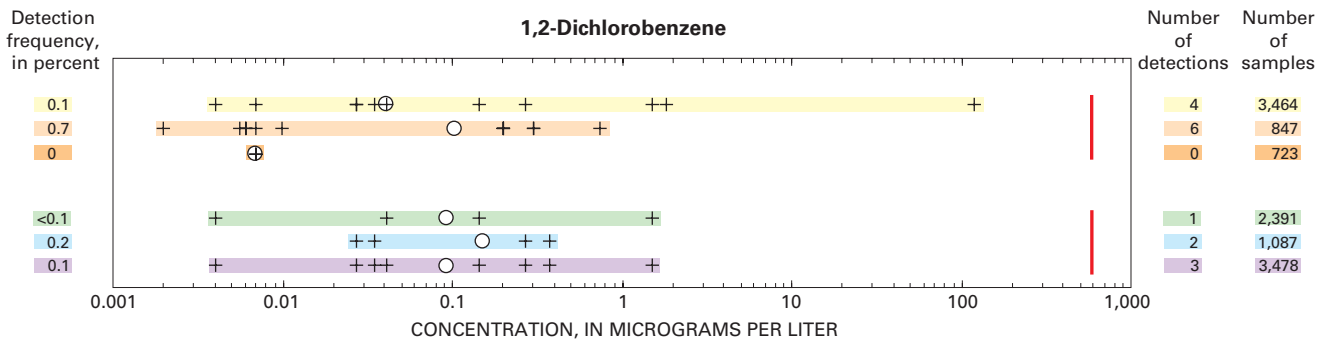


¹Neither an MCL nor HBSL has been established for this compound.

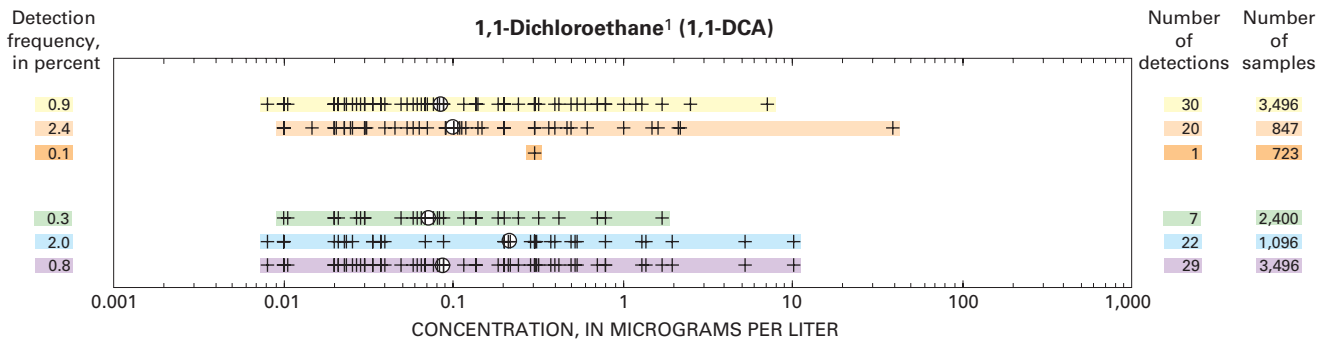


¹A USEPA MCL has not been established for this compound.

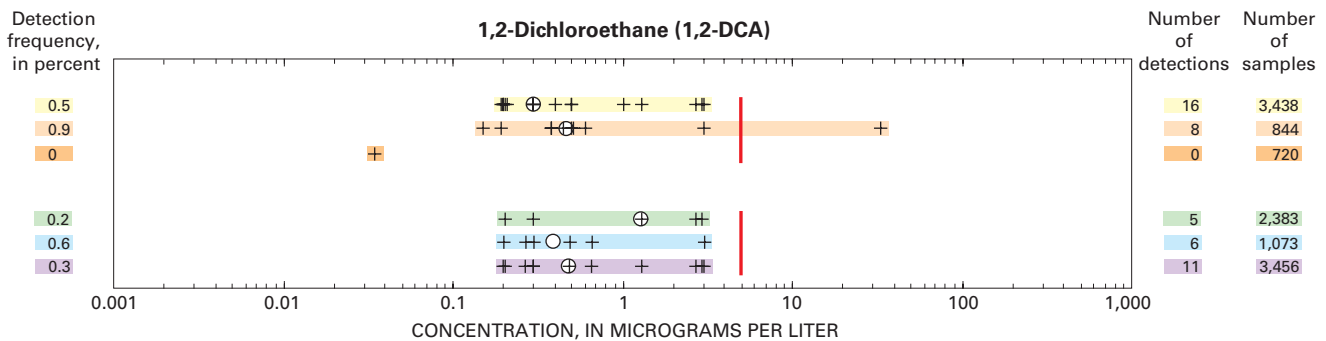
Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.—Continued



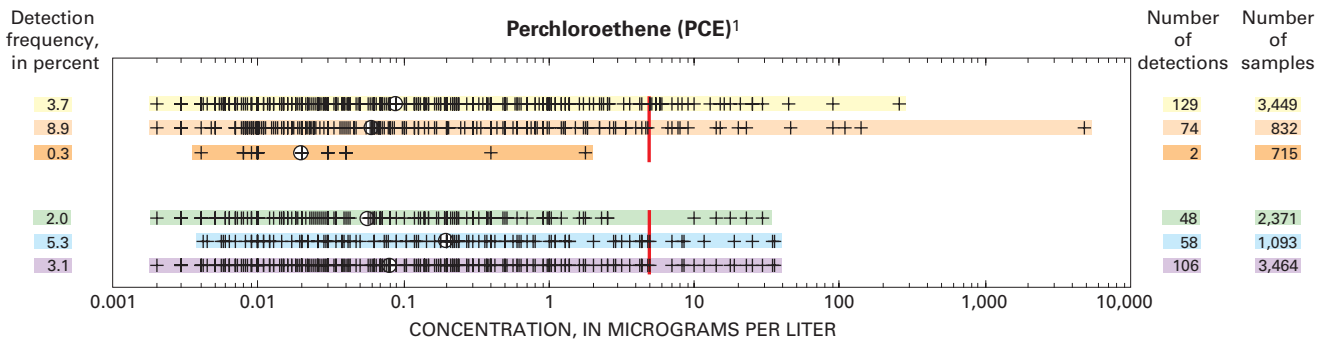
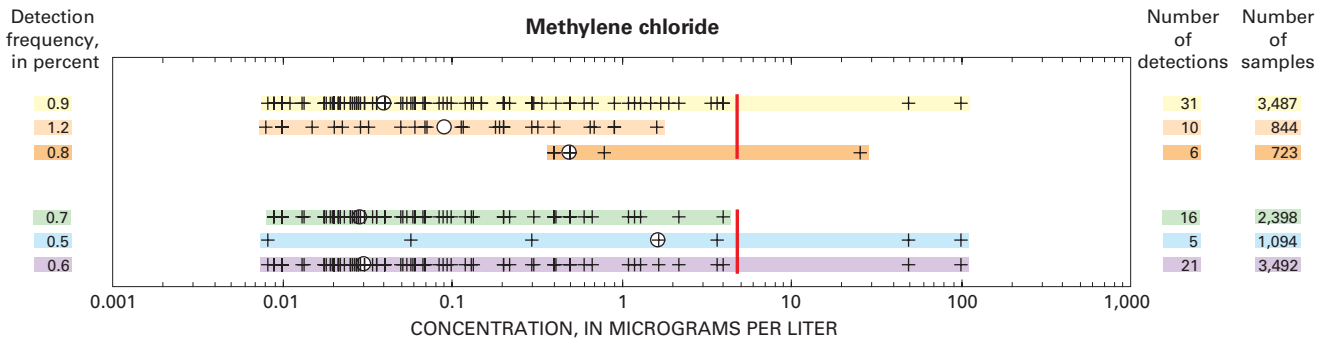
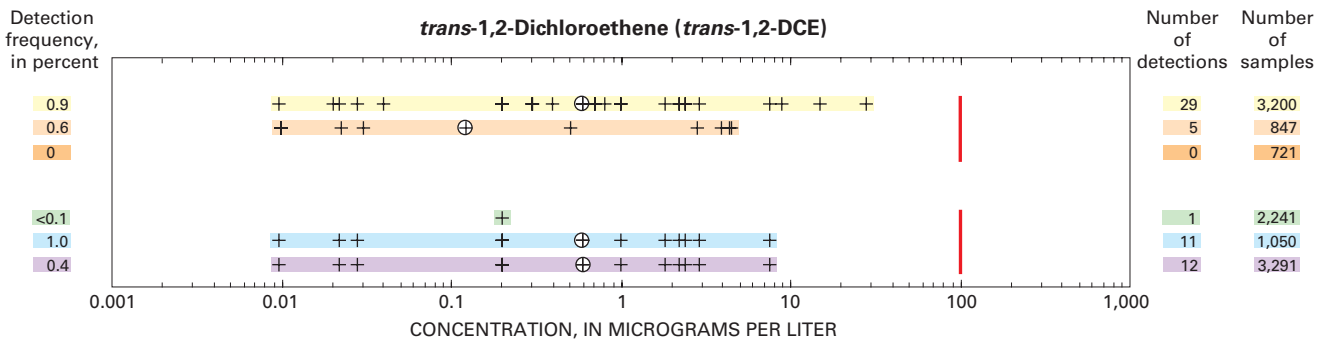
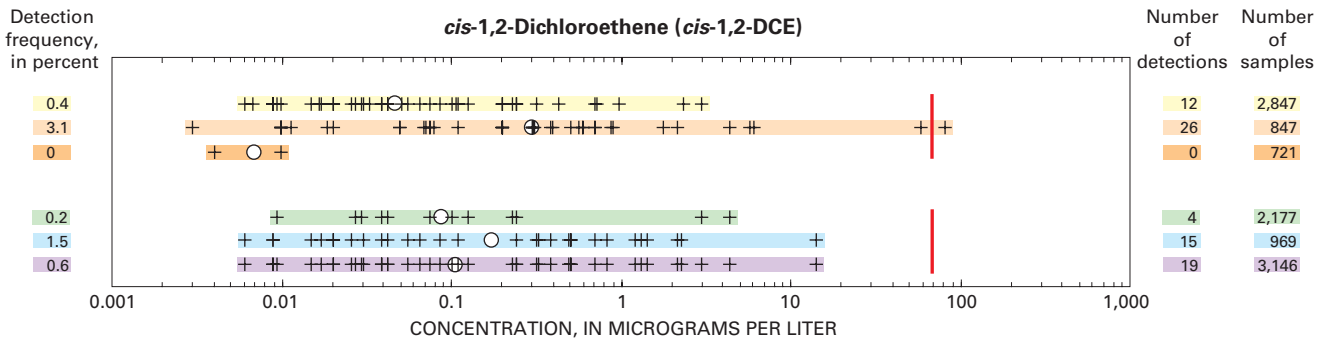
¹A USEPA MCL has not been established for this compound.



¹Neither an MCL nor HBSL has not been established for this compound.

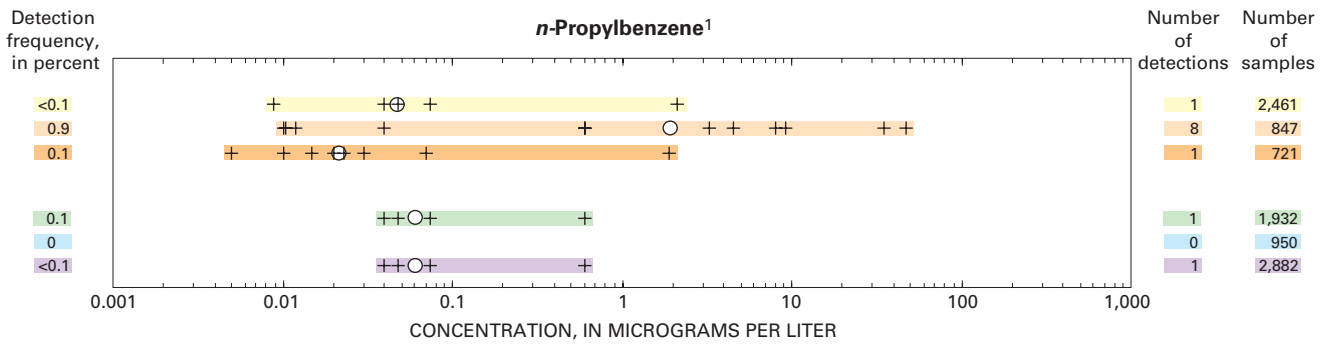


Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.—Continued

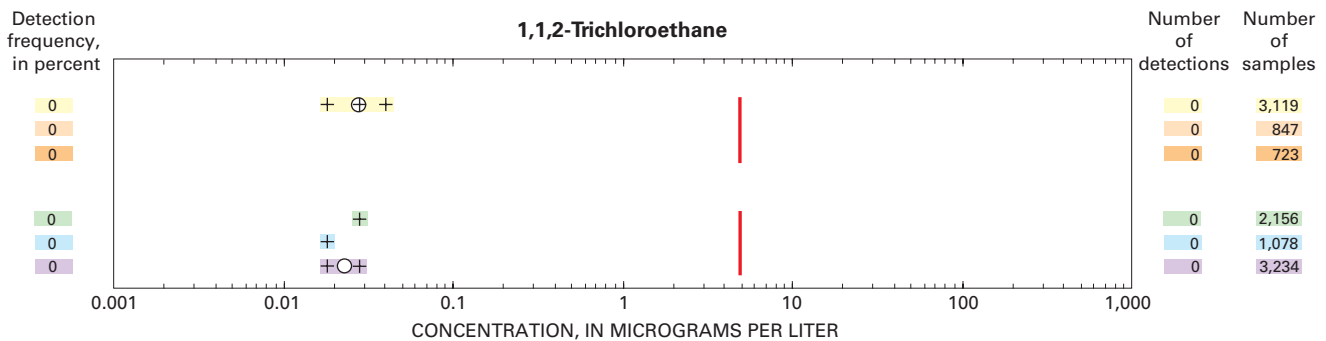
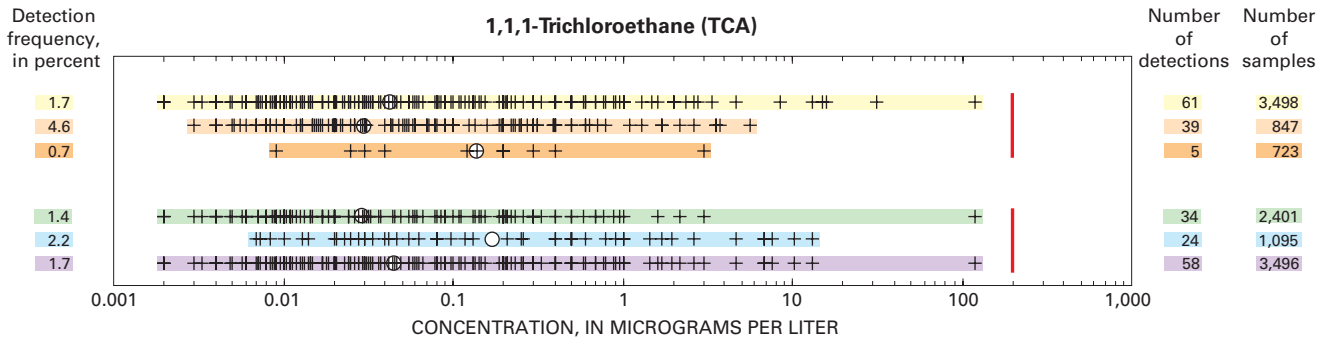
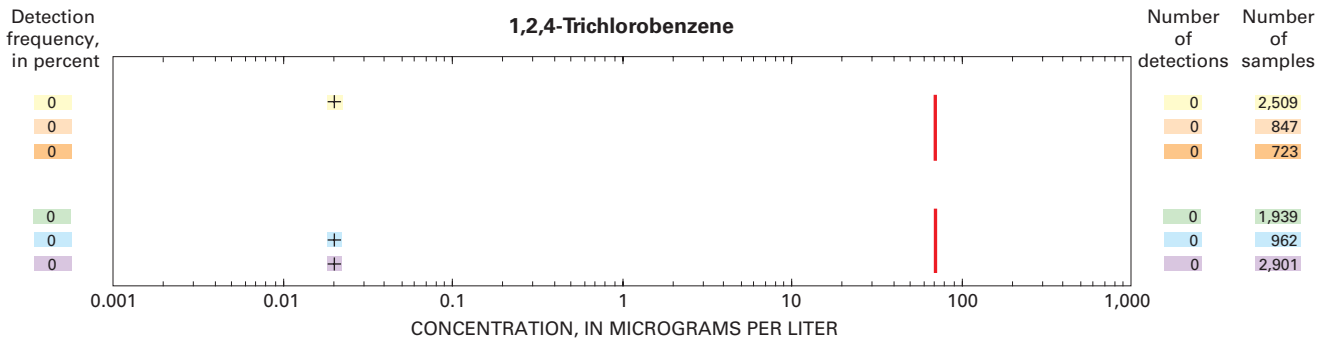


¹Note different scale.

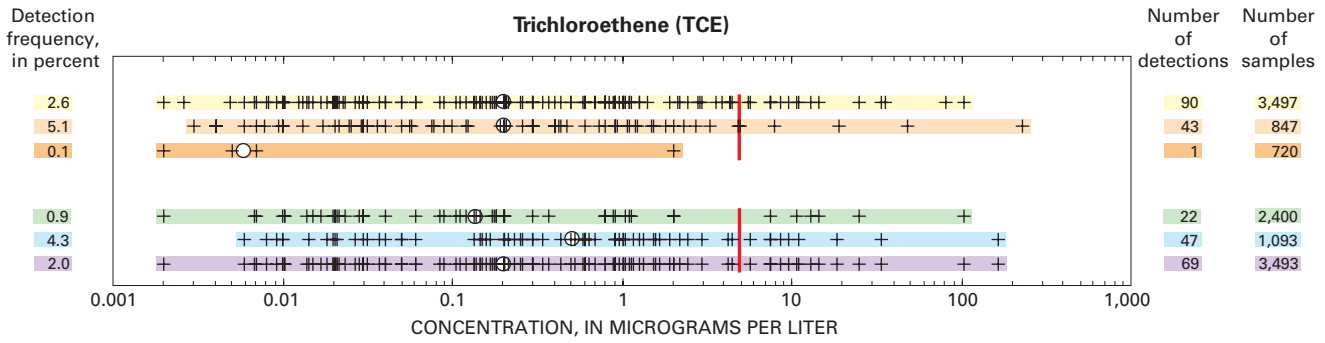
Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.—Continued



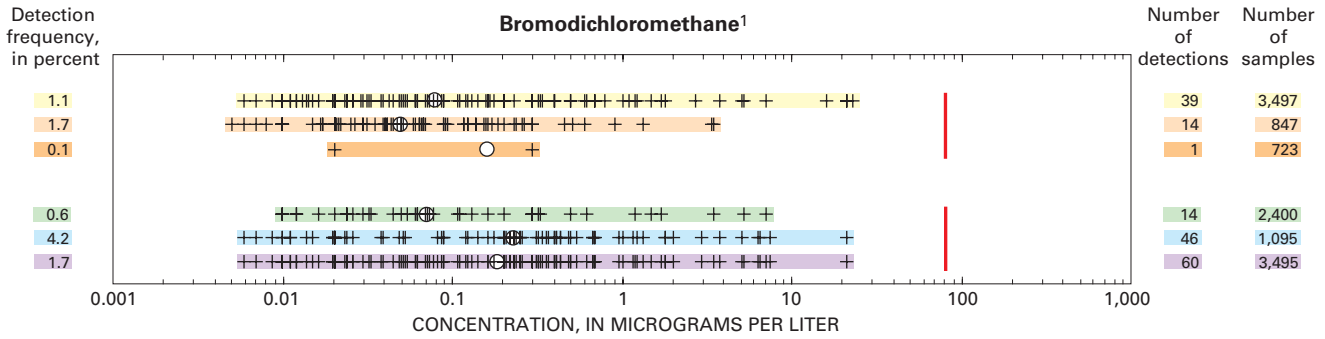
¹Neither an MCL nor HBSL has been established for this compound.



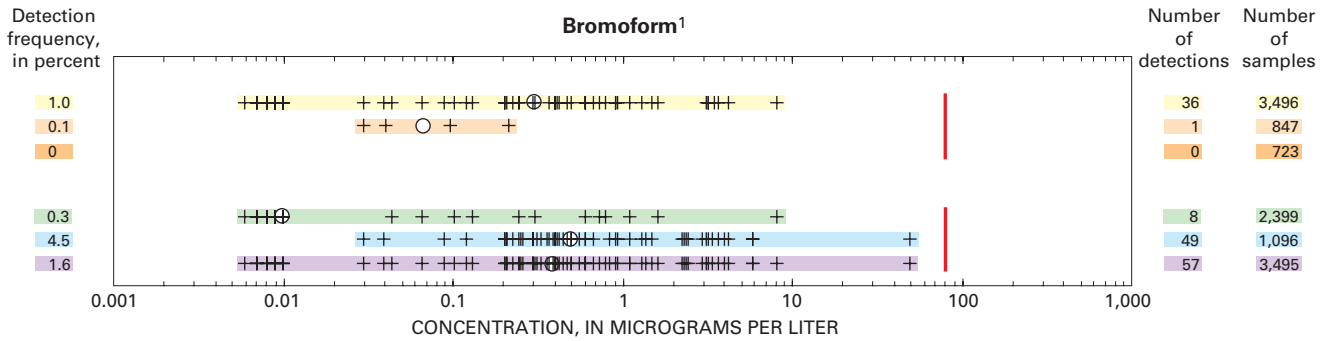
Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.—Continued



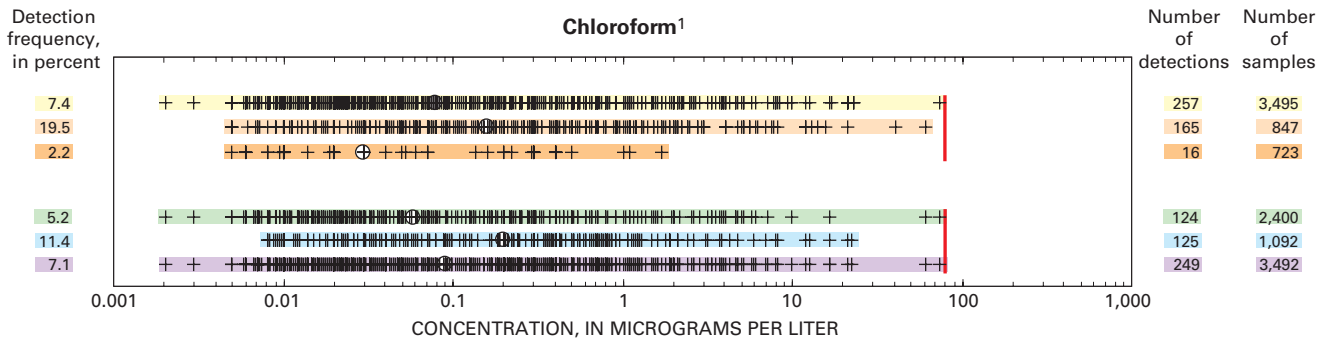
Trihalomethanes



¹The USEPA MCL of 80 µg/L is for the sum of the concentrations of four trihalomethanes including bromodichloromethane, bromoform, chloroform, and dibromochloromethane.

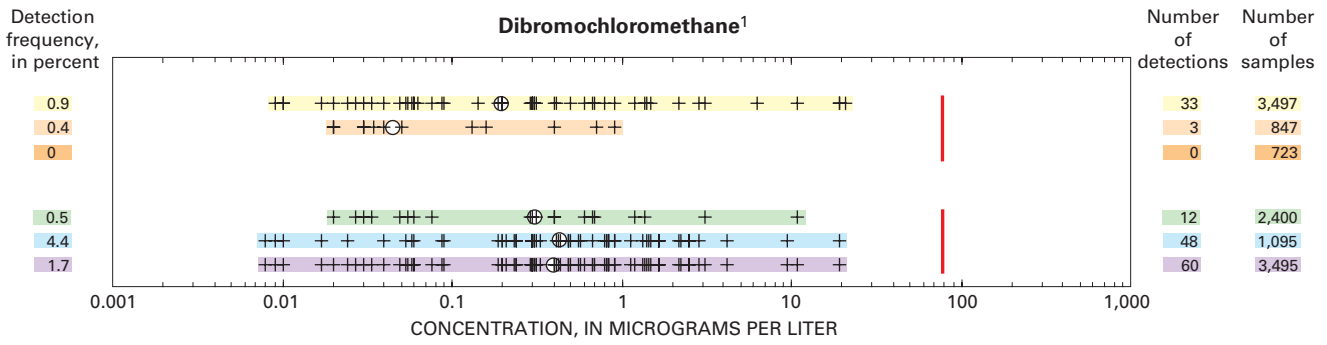


¹The USEPA MCL of 80 µg/L is for the sum of the concentrations of four trihalomethanes including bromodichloromethane, bromoform, chloroform, and dibromochloromethane.

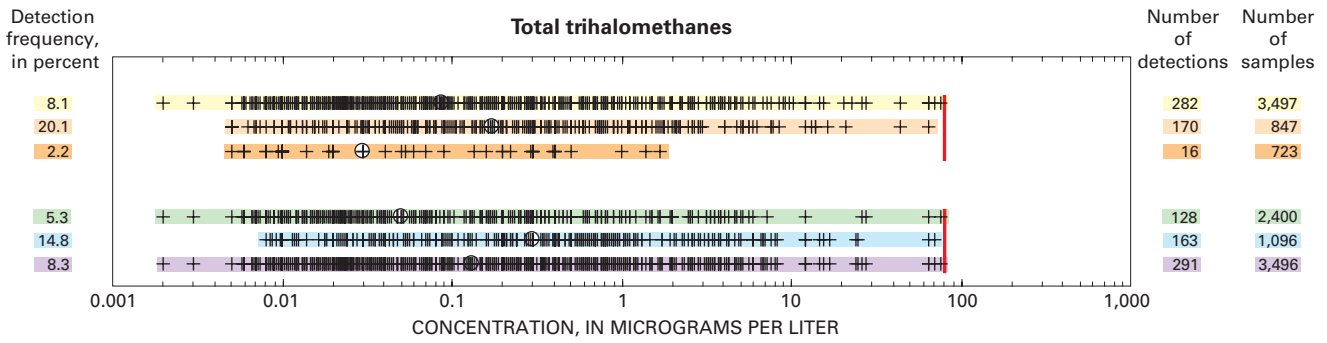


¹The USEPA MCL of 80 µg/L is for the sum of the concentrations of four trihalomethanes including bromodichloromethane, bromoform, chloroform, and dibromochloromethane.

Appendix 7. Concentrations of selected volatile organic compounds (VOCs) in samples of untreated ground water.—Continued



¹The USEPA MCL of 80 µg/L is for the sum of the concentrations of four trihalomethanes including bromodichloromethane, bromoform, chloroform, and dibromochloromethane.



VOCs not detected: Acrolein, Acrylonitrile, *cis*-1,3-Dichloropropene, *trans*-1,3-Dichloropropene, Hexachloroethane, and Vinyl bromide