

Description: South Carolina Quarterly Drinking Water Quality Sampling Results

Publish Date: **07/09/2014**

Abstract:

Environmental Data, Public Drinking Water Quality: This data set contains quarterly sampling concentration averages of Arsenic, Nitrates and Disinfection By-products, also DBPs (Trihalomethanes and Haloacetic acid), for all Public Water Systems (PWS) in South Carolina from 1999. It also contains information on the quarterly maximum concentration, number of samples taken, number of sampling locations, the date of last sample taken, and the quarter and year for which the data is valid for each contaminant (Arsenic, Nitrates, and DBPs).

Purpose:

To provide the public, EPHT grantees, researchers, and other public health professionals with information pertaining to public sources of Drinking Water in the state of South Carolina. This dataset contains a snapshot of quarterly sampling results for each Public Water System.

Supplemental Information:

The drinking water data in this data set come from the Bureau of Water at the South Carolina Department of Health and Environmental Control. The 1999 - 2003 data are located in our 'Water Supply Inventory' database. From 2004, all data reside in SDWIS (State Drinking Water Information System). Sampling for Arsenic is conducted on a tri-annual basis (i.e. once every 3 years). Sampling for Nitrates is conducted on an annual basis. Sampling for surface water systems with population greater than 10,000 is conducted Quarterly, sampling for surface water with population 500 - 9,999 are sampled one (1) plant per quarter; surface <500 population are done once during the warmest month for each plant during the year. Ground water serving >10,000 are done one (1) per plant per quarter; less than 10,000 are done once per plant during the warmest month each year. Quarterly sampling data is reported for the quarter in which the sample was analyzed and carries forward until subsequent monitoring is performed. In order for systems to be required to analyze for DBPs, the system must add disinfection to the water. A system that is purchasing water would only be required to analyze DBPs if the purchaser adds disinfection. If disinfection is not added to the water, the system would be considered untreated and no testing for DBPs would be required. These values are reported as "missing" (-999).

Notes:

Any user of this data must have reviewed and understand the metadata content before attempting to interpret or use the Drinking Water Quarterly Sampling data. This is a public dataset and is not for commercial purposes. Any use of this data should contain proper data source acknowledgement: EQC Water, SC DHEC.

Contact Information:

SC EPHT, South Carolina Department of Health and Environmental Control (SC DHEC)
2600 Bull Street
Columbia, South Carolina 29201
Phone: 1 803 898 1422 Fax: 1 803 898 3722
Email: EPHT@dhec.sc.gov
Hours: 8:30am - 5:00pm (EST)