



**ABBREVIATIONS USED – Major ions** (data source: Pennsylvania Topographic and Geologic Survey)

**SITE AND SAMPLE IDENTIFIERS** (file last modified September 2007)

**LOCAL** – Local number used to identify well or spring. For the Pennsylvania Topographic and Geologic Survey (PAGS) the first two letters represent the county (SO = Somerset County), the following digits represent incremental numbers. Springs also contain the prefix SP.

**STAID** – Station identifier. For PAGS, it is 15 digits long and is comprised of the latitude and longitude plus a two digit sequence number.

**SOURCE** – Pennsylvania Topographic and Geologic Survey. Samples collected for a county-wide ground-water resources study.

**DATES** – Approximate date the sample was collected.

**LAT** – Latitude of well in degrees, minutes, and seconds, in format DDMSS.

**LONG** – Longitude of well in degrees, minutes, and seconds, in format DDMSS.

**DLAT** – Latitude of well in degrees and decimal minutes and seconds, in format DD.MMSS.

**DLONG** – Longitude of well in degrees and decimal minutes and seconds, in format DD.MMSS.

**CNTYC** – County where well is located. For PAGS, the county is Somerset.

**BASINS** – The Pennsylvania Department of Environmental Protection (PADEP) basin (numbers range from 1-35) the site is located in. For PAGS, wells and springs are located in Basins 25, 26, 27, 28.

**GEO1** – General geologic (bedrock) unit. For PAGS, the bedrock units are bcoal (bituminous coal), qscong (quartzite, sandstone, and conglomerate), redsed (red sedimentary rocks), shale (shale).

**GEOLITH** – Generated numeric code that relates to GEO1. bcoal = 2, qscong = 6, redsed = 7, shale = 10.

**PARAMETER CODES (Analyte sampled)**

**CALCIUM** – Calcium, filtered (fil), in milligrams per liter (mg/L)

**CHLORIDE** – Chloride, fil, in milligrams per liter (mg/L)

**FLUORIDE** – Fluoride, fil, in milligrams per liter (mg/L)

**IRON** – Iron, fil, in milligrams per liter (mg/L)

**MAGNESIUM** – Magnesium, fil, in milligrams per liter (mg/L)

**MANGANESE** – Manganese, fil, in milligrams per liter (mg/L)

**POTASSIUM** – Potassium, fil, in milligrams per liter (mg/L)

**SODIUM** – Sodium, fil, in milligrams per liter (mg/L)

**SULFATE** – Sulfate, fil, in milligrams per liter (mg/L)

**TDS** – Total Dissolved Solids, fil, in milligrams per liter (mg/L)

**ANALYTES WITH NATIONAL DRINKING WATER STANDARDS and CURRENT (2006)  
U.S. Environmental Protection Agency Maximum Contaminant Level (MCL)**

<u>Analyte</u>	<u>MCL</u>	<u>Units</u>
Fluoride	4.0	mg/L

**ANALYTES WITH NATIONAL DRINKING WATER STANDARDS and CURRENT (2006)  
U.S. Environmental Protection Agency Secondary Maximum Contaminant Level (SMCL)**

<u>Analyte</u>	<u>SMCL</u>	<u>Units</u>
Chloride	250	mg/L
Fluoride	>2.0 <4.0	mg/L
Iron	0.3	mg/L
Manganese	0.05	mg/L
Sulfate	250	mg/L
Total Dissolved Solids	500	mg/L