



**ABBREVIATIONS USED – Minor and trace elements** (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 DDMMS.

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

**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)**

**ALUMINUM** – Aluminum, filtered (fil), in milligrams per liter (mg/L)

**ARSENIC** – Arsenic, fil, in micrograms per liter ( $\mu\text{g/L}$ )

**BARIUM** – Barium, fil,  $\mu\text{g/L}$

**CADMIUM** – Cadmium, fil,  $\mu\text{g/L}$

**CHROMIUM** – Chromium, fil,  $\mu\text{g/L}$

**COPPER** – Copper, fil,  $\mu\text{g/L}$

**LEAD** – Lead, fil,  $\mu\text{g/L}$

**ZINC** – Zinc, fil,  $\mu\text{g/L}$

**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>
Arsenic	0.010	mg/L
Barium	2.0	mg/L
Cadmium	.005	mg/L
Chromium	.10	mg/L
Copper	1.3	mg/L
Lead	.015	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>
Aluminum	0.05 to 0.2	mg/L
Zinc	5	mg/L