ABBREVIATIONS USED – Water characteristics (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 DDMMSS.
LONG – Longitude of well in degrees, minutes, and seconds, in format DDMMSS.
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)

SPECCON – Field specific conductance, in microsiemens per centimeter (µS/cm)
FIELDPH – Field pH in standard units
LABPH – Laboratory pH in standard units
FIELDHARDNESS – Hardness, unfiltered (unf), in milligrams per liter (mg/L) as calcium carbonate ($CaCO_3$) and determined in the field
LABORATORYHARDNESS – Hardness, filtered (fil), in mg/L as $CaCO_3$ and determined in the PADEP laboratory
ALKALINITY – Total alkalinity, acid neutralizing capacity, fil, mg/L as $CaCO_3$
ACIDITY – Acidity, fil, as $CaCO_3$

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

Analyte	SMCL	Units
pH	<6.5 and >8.5	standard units