

## WELL AND SAMPLE IDENTIFIERS

### ABBREVIATIONS USED – Water characteristics (data source: U.S. Geological Survey)

**LOCAL** – Local number used to identify well. First two letters represent the county (AD = Adams County), the following digits represent incremental numbers.

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

**SOURCE** – U.S. Geological Survey (USGS). Samples collected for a wide range of water-quality, water resources, and other hydrogeologic investigations.

**DATES** – 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.

**CNTYC** – County where well is located. For USGS the counties are Adams, Allegheny, Armstrong, Beaver, Bedford, Berks, Blair, Bradford, Bucks, Butler, Cambria, Cameron, Carbon, Centre, Chester, Clarion, Clearfield, Clinton, Columbia, Crawford, Cumberland, Dauphin, Delaware, Elk, Erie, Fayette, Franklin, Fulton, Greene, Huntingdon, Indiana, Jefferson, Juniata, Lancaster, Lebanon, Lehigh, Luzerne, Lycoming, McKean, Mercer, Mifflin, Monroe, Montgomery, Montour, Northampton, Northumberland, Perry, Philadelphia, Pike, Potter, Schuylkill, Snyder, Somerset, Susquehanna, Tioga, Union, Venango, Warren, Washington, Wayne, Westmoreland, Wyoming, York.

**BASINS** – The PADEP basin (numbers range from 1-35) the well is located in. For USGS, wells are located in Basins 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35.

**GEO1** – General geologic (bedrock) unit. For Fixed Station Network, the bedrock units are bcoal (bituminous coal bearing), dkcrs (dark crystalline), ltcrys (light crystalline), pocarb (Precambrian through Ordovician carbonates), qscong (quartz, sandstone, and conglomerate), redsed (red sedimentary rocks), schist (schist), sdcarb (Silurian and Devonian carbonates), shale (shale), trised (Triassic age sedimentary rocks), unk (Coastal Plain sediments).

**GEOLITH** – Generated numeric code that relates to GEO1. bcoal = 2, dkcrs = 3, ltcrys = 4, pocarb = 5, qscong = 6, redsed = 7, schist = 8, sdcarb = 9, shale = 10, trised = 11, unk = 12.

### PARAMETER CODES (Analyte sampled)

P61028 – Field turbidity, unfiltered (unf), nephelometric turbidity units (NTU)

P39087 – Alkalinity, fil, incremental titration by laboratory, milligrams per Liter (mg/L) Calcium Carbonate, (CaCO<sub>3</sub>)

P29801 – Alkalinity, fil, fixed endpoint (pH 4.5) titration in laboratory, mg/L as CaCO<sub>3</sub>

P39086 – Alkalinity, fil, incremental titration, in field, mg/L as CaCO<sub>3</sub>

P95902 – Noncarbonate hardness, fil, mg/L as CaCO<sub>3</sub>

P00400 – pH, unf in standard units

P00435 – Acidity, unf, as CaCO<sub>3</sub>

P00904 – Noncarbonate hardness, fil, mg/L as CaCO<sub>3</sub>  
 P00905 – Noncarbonate hardness, fil, in laboratory, mg/L as CaCO<sub>3</sub>  
 P00900 – Total hardness, unf, mg/L as CaCO<sub>3</sub>  
 P00902 – Noncarbonate hardness, unf, in field, mg/L as CaCO<sub>3</sub>  
 P00903 – Noncarbonate hardness, unf in laboratory, mg/L as CaCO<sub>3</sub>  
 P00300 – Dissolved oxygen, unf, mg/L  
 P00095 – Specific conductance, unf, microsiemens per centimeter (uS/cm) at 25 degrees Celsius (C)  
 P00010 – Water Temperature, degrees Celsius  
 P00410 – Acid neutralizing capacity, unf fixed endpoint (pH 4.5) titration, as mg/L CaCO<sub>3</sub>  
 P00080 – Color, fil, platinum cobalt units

**ANALYTES WITH NATIONAL DRINKING WATER STANDARDS and CURRENT (2004)  
 U.S. Environmental Protection Agency Maximum Contaminant Level (MCL) or Secondary Maximum  
 Contaminant Level (SMCL)**

<u>Analyte</u>	<u>MCL</u>	<u>Units</u>
P61028 - Field turbidity	1	NTU

<u>Analyte</u>	<u>SMCL</u>	<u>Units</u>
P00080 - Color	15	color units
P00400 - pH	6.5 - 8.5	standard units