

**ABBREVIATIONS USED – Radiochemicals** – (data source: U.S. Geological Survey)

**WELL AND SAMPLE IDENTIFIERS**

- 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, Bedford, Berks, Blair, Bucks, Butler, Cambria, Carbon, Centre, Chester, Clarion, Clearfield, Columbia, Crawford, Cumberland, Dauphin, Elk, Erie, Fayette, Franklin, Fulton, Greene, Huntingdon, Indiana, Jefferson, Juniata, Lancaster, Lebanon, Lehigh, Luzerne, McKean, Mifflin, Monroe, Montgomery, Montour, Northampton, Northumberland, Perry, Philadelphia, Pike, Schuylkill, Snyder, Somerset, Venango, Warren, Washington, Wayne, Westmoreland, York.
- BASINS** – The PADEP basin (numbers range from 1-35) the well is located in. For USGS, wells are located in Basins 1, 4, 5, 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 acoal (anthracite coal bearing), bcoal (bituminous coal bearing), dkcryst (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. acoal = 1, bcoal = 2, dkcryst = 3, ltcrys = 4, pocarb = 5, qscong = 6, redsed = 7, schist = 8, sdcarb = 9, shale = 10, trised = 11, unk = 12.

**PARAMETER CODES (Analyte sampled)**

- P01515 - Gross alpha, filtered (fil), natural uranium curve, Pico curies per Liter (pCi/L)
- P07000 - Tritium, unfiltered (unf), pCi/L
- P09503 - Radium-226, fil, pCi/L
- P09510 - Alpha-emitting isotopes of radium, fil, planchet count, pCi/L
- P09511 - Radium-226, fil, radon method, pCi/L
- P22603 - Uranium-238, fil, pCi/L
- P22610 - Uranium-234, fil, pCi/L
- P22703 - Uranium, natural, micrograms per Liter (µg/L)
- P50833 - Radium-224, fil, pCi/L

P75038 - Potassium-40, unf, pCi/L  
 P80030 - Gross alpha, fil, natural uranium curve, µg/L  
 P80050 - Gross beta, fil, Sr-90/Y-90 curve, 4 millirems per year (4 mrem/yr)  
 P81366 - Radium-228, fil, pCi/L  
 P82068 - Potassium-40, fil, pCi/L  
 P82303 - Radon-222, unf, pCi/L  
 P99327 - Radon-222, unf, pCi/L

RADON – Analyte P82303 or P99327 exceeded 300 pCi/L

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

<u>Analyte</u>	<u>MCL</u>	<u>Units</u>
P01515 Gross alpha, fil	15	pCi/L
P09503 + P81366 Radium-226, fil + Radium-228, fil	5	pCi/L
P09510 Alpha-emitting isotopes of Radium, fil	15	pCi/L
P09511 + P81366 Radium-226, fil + Radium-228, fil	5	pCi/L
P22603 Uranium-238, fil	30	µg/L
P22610 Uranium-234, fil	30	µg/L
P22703 Uranium, natural	30	µg/L
P80030 Gross alpha, fil	15	pCi/L
P80050 Gross beta, fil	4	millirems per year
P82303 Radon-222, unf	300	pCi/L*
P99327 Radon-222, unf	300	pCi/L*

\*Alternative Maximum Contaminant Level 4,000 pCi/L