



ABBREVIATIONS USED – Major Ions (data source: Pennsylvania Department of Environmental Resources Ambient and Fixed Station Network)

WELL AND SAMPLE IDENTIFIERS

- LOCAL – Local number. For Ambient and Fixed Station Network it is alphanumeric.
- STAID – Station identifier (same as LOCAL). For Ambient and Fixed Station Network it is alphanumeric.
- SOURCE – Ambient and Fixed Station Network (FSN). Samples collected to monitor the general quality of ground water.
- DATES – Date the sample was collected.
- 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 Ambient and Fixed Station Network the counties are Adams, Allegheny, Beaver, Bedford, Berks, Blair, Bucks, Butler, Cumberland, Delaware, Franklin, Lancaster, Lebanon, Lehigh, Mifflin, Montgomery, Northampton, Philadelphia, Washington, Westmoreland, York.
- BASINS – The PADEP basin (numbers range from 1-35) the well is located in. For Ambient and Fixed Station Network, wells are located in Basins 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 29, 30, 31, 32.
- GEO1 – General geologic (bedrock) unit. For Ambient and Fixed Station Network, the bedrock units are bcoal (bituminous coal), 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), and unk (sands and gravels along Coastal Plain).
- GEOLITH – Generated numeric code that relates to GEO1. bcoal = 2, dkcryst = 3, ltcrys = 4, pocarb = 5, qscong = 6, schist = 8, sdcarb = 9, shale = 10, trised = 11, unk = 12.

PARAMETER CODES (Analyte sampled)

- CALCIUM - Calcium, unfiltered (unf), in milligrams per liter (mg/L)
- MAGNESIUM - Magnesium, unf, mg/L
- SODIUM - Sodium, unf, mg/L
- POTASSIUM - Potassium, unf, mg/L
- CHLORIDE - Chloride, unf, mg/L
- SULFATE - Sulfate, unf, mg/L
- SILICA - Silica, unf, mg/L
- IRON - Iron, unf, mg/L
- MANGANESE - Manganese, unf, mg/L
- TURBIDITY – Turbidity in nephelometric turbidity units (NTU)
- ROE105 – Residue on evaporation at 105 degrees C (or total dissolved solids (TDS)), mg/L

**ANALYTE WITH NATIONAL DRINKING WATER STANDARD 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>
Turbidity	1.0	NTU

<u>Analyte</u>	<u>SMCL</u>	<u>Units</u>
Chloride	250	mg/L
Iron	0.3	mg/L
Manganese	.05	mg/L
Sulfate	250	mg/L
ROE (TDS)	500	mg/L