



**ABBREVIATIONS USED – Major Ions** (data source: Susquehanna River Basin Commission)

**WELL AND SAMPLE IDENTIFIERS**

- LOCAL – Local name. For Susquehanna River Basin Commission (SRBC) it is alphanumeric.
- STAIID – Station identifier was used to sort the original data set. For SRBC this is the well name. However, for this study the well name is not available (NA) per request of SRBC.
- SOURCE – Susquehanna River Basin Commission. Samples collected to permit large discharge wells.
- DATES – Date sample was collected. NA means date is not available.
- LAT – Latitude of well in degrees and decimal minutes and seconds is not available (NA) per request of SRBC.
- LONG – Longitude of well in degrees and decimal minutes and seconds is not available (NA) per request of SRBC.
- CNTYC – County where well is located. For Fixed Station Network the counties are Adams, Bedford, Berks, Blair, Bradford, Cambria, Centre, Clearfield, Clinton, Columbia, Cumberland, Dauphin, Franklin, Huntingdon, Juniata, Lancaster, Lebanon, Luzerne, Lycoming, Mifflin, Northumberland, Perry, Schuylkill, Snyder, Somerset, Tioga, Union, Wyoming, York.
- BASINS – The PADEP basin (numbers range from 1-35) the well is located in. For SRBC.Major, wells are located in Basins 1, 2, 3, 4, 5, 6, 7, 8, 12, 23, 24, 26, 31.
- GEO1 – General geologic (bedrock) unit. For SRBC.Major, the bedrock units are acoal (anthracite coal bearing), bcoal (bituminous coal bearing), dkcryst (dark 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).
- GEOLITH – Generated numeric code that relates to GEO1. acoal = 1, bcoal = 2, dkcryst = 3, pocarb = 5, qscong = 6, schist = 8, sdcarb = 9, shale = 10, trised = 11.

**PARAMETER CODES (Analyte sampled)**

- CALCIUM – Calcium, unfiltered (unf), in milligrams per liter (mg/L)
- CHLORIDE – Chloride, unf, mg/L
- IRON - Iron, unf, mg/L
- MAGNESIUM - Magnesium, unf, mg/L
- MANGANESE - Manganese, unf, mg/L
- ROE\_(105) – Residual on evaporation at 105 degrees C (or Total dissolved solids)
- SODIUM - Sodium, unf, mg/L
- SULFATE – Sulfate, unf, mg/L

MAJORSMCL - Indicator of sample status with respect to the USEPA Secondary Maximum Contaminant Level (SMCL). 1 = exceedance; 0 = no exceedance.

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

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