



**ABBREVIATIONS USED – Radiochemicals** (data source: U.S. Environmental Protection Agency)

**WELL AND SAMPLE IDENTIFIERS** (file last modified September 2007)

**LOCAL** – Local name used to identify well or spring. First two letters represent site type (MS - monitor spring, MW - monitor well), the following alphanumeric combinations consist of the station identifier.

**STAID** – Station Identifier. Consists of variable alphanumeric combinations utilized by the originating agency to identify well or spring.

**SOURCE** – U.S. Environmental Protection Agency (USEPA). 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 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 or spring is located. For USEPA, the counties are Carbon, Lancaster, Lycoming, Susquehanna.

**BASINS** – The PADEP basin (numbers range from 1-35) the well or spring is located in. For USEPA, sites are located in Basins 5, 7, 12, 21, 23.

**GEO1** – General geologic unit. For USEPA, the units are pocarb (Precambrian through Ordovician carbonates), qscong (quartzite, sandstone, and conglomerate), redsed (red sedimentary rocks), sdcarb (Silurian and Devonian carbonates), and shale (shale).

**GEOLITH** – Generated numeric code that relates to GEO1. pocarb = 5, qscong = 6, redsed = 7, sdcarb = 9, shale = 10.

**PARAMETER CODES (Analyte sampled)**

P01501 – Alpha radioactivity, unfiltered (unf), in picoCuries per liter (pCi/L).

P03501 – Beta radioactivity, unf, pCi/L.

P09501 – Radium-226, unf, pCi/L.

P11501 – Radium-228, unf, pCi/L.

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

<u>Analyte</u>	<u>MCL</u>	<u>Units</u>
P01501 Alpha radioactivity, unf	15	pCi/L
P09501 + P11501 Radium -226, unf, + Radium-228, unf	5	pCi/L