ABBREVIATIONS USED – Insecticides – (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 DDMMSS.
LONG – Longitude of well, in degrees, minutes, and seconds in format DDMMSS.
CNTYC – County where well is located. For USGS the counties are Adams, Allegheny, Armstrong, Bedford, Berks, Blair, Bradford, Bucks, Butler, Cambria, Carbon, Centre, Chester, Clarion, Clearfield, Clinton, Columbia, Crawford, Cumberland, Dauphin, Erie, Fayette, Franklin, Fulton, Greene, Huntingdon, Indiana, Jefferson, Juniata, Lancaster, Lebanon, Lehigh, Lycoming, McKean, Mifflin, Monroe, Montgomery, Northampton, Northumberland, Perry, Pike, Schuylkill, Snyder, Somerset, Tioga, 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, 6, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35.
GEO1 – General geologic (bedrock) unit. For Fixed Station Network, the bedrock units are bcoal (bituminous coal bearing), dkcrys (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).
GEOLITH – Generated numeric code that relates to GEO1. bcoal = 2, dkrys = 3, ltcrys = 4, pocarb = 5, qscong = 6, redsed = 7, schist = 8, sdcarb = 9, shale = 10, trised = 11.

PARAMETER CODES (Analyte sampled)

P04095 - Fonofos, filtered (fil), in micrograms per Liter (µg/L)
P30234 - Bromacil, unfiltered (unf), µg/L
P34253 - alpha-HCH, fil, µg/L
P34653 - p,p'-DDE, fil, µg/L
P38501 - Methiocarb, fil, µg/L
P38538 - Propoxur, fil, µg/L
P38866 - Oxamyl, fil, µg/L
P38932 - Chlorpyrifos, unf, µg/L
P38933 - Chlorpyrifos, fil, µg/L
P39011 - Disulfoton, unf, µg/L
P39023 - Phorate, unf, µg/L
P39034 - p,p'-Ethyl-DDD, unf, µg/L

P39051 - Methomyl, unf, µg/L
P39053 - Aldicarb, unf, µg/L
P39100 - Bis(2-ethylhexyl) phthalate, unf, µg/L
P39330 - Aldrin, unf, µg/L
P39331 - Aldrin, fil, µg/L
P39340 - Lindane, unf, µg/L
P39341 - Lindane, fil, µg/L
P39350 - Chlordane, unf, µg/L
P39352 - Chlordane, fil, µg/L
P39360 - p,p'-DDD, unf, µg/L
P39361 - p,p'-DDD, fil, µg/L
P39365 - p,p'-DDE, unf, µg/L
P39366 - p,p'-DDE, fil, µg/L
P39370 - p,p'-DDT, unf, µg/L
P39371 - p,p'-DDT, fil, µg/L
P39380 - Dieldrin, unf, µg/L
P39381 - Dieldrin, fil, µg/L
P39388 - alpha-Endosulfan, unf, µg/L
P39390 - Endrin, unf, µg/L
P39391 - Endrin, fil, µg/L
P39398 - Ethion, unf, µg/L
P39400 - Toxaphene, unf, µg/L
P39401 - Toxaphene, fil, µg/L
P39410 - Heptachlor, unf, µg/L
P39411 - Heptachlor, fil, µg/L
P39420 - Heptachlor epoxide, unf, µg/L
P39421 - Heptachlor epoxide, fil, µg/L
P39480 - p,p'-Methoxychlor, unf, µg/L
P39530 - Malathion, unf, µg/L
P39532 - Malathion, fil, µg/L
P39540 - Parathion, unf, µg/L
P39542 - Parathion, fil, µg/L
P39570 - Diazinon, unf, µg/L
P39572 - Diazinon, fil, µg/L
P39580 - Azinphos-methyl, unf, µg/L
P39600 - Methyl parathion, unf, µg/L
P39602 - Methyl parathion, fil, µg/L
P39750 - Carbaryl, unf, µg/L
P39755 - Mirex, unf, µg/L
P39756 - Mirex, fil, µg/L
P39786 - Carbophenothion, unf, µg/L
P39790 - Methyl trithion, unf, µg/L
P49296 - Methomyl, fil, µg/L
P49298 - Esfenvalerate, fil, µg/L
P49299 - 2-Methyl-4,6-dinitrophenol (DNOC), fil, µg/L
P49308 - 3-Hydroxy carbofuran, fil, µg/L
P49309 - Carbofuran, fil, µg/L
P49310 - Carbaryl, fil, µg/L
P49312 - Aldicarb, fil, µg/L
P49313 - Aldicarb sulfone, fil, µg/L
P49314 - Aldicarb sulfoxide, fil, µg/L

P50295 - 3-Ketocarbofuran, fil, µg/L
P50299 - Bendiocarb, fil, µg/L
P61695 - Imidacloprid, fil, µg/L
P62066 - 9,10-Anthraquinone, fil, µg/L
P62166 - Fipronil, fil, µg/L
P62167 - Fipronil sulfide, fil, µg/L
P62168 - Fipronil sulfone, fil, µg/L
P63736 - Phosphamidon, fil, µg/L
P81405 - Carbofuran, unf, µg/L
P82342 - Carbophenothion, fil, µg/L
P82344 - Methyl trithion, fil, µg/L
P82346 - Ethion, fil, µg/L
P82348 - p,p'-Ethyl-DDD, fil, µg/L
P82354 - alpha-Endosulfan, fil, µg/L
P82664 - Phorate, fil, µg/L
P82667 - Methyl parathion, fil, µg/L
P82672 - Ethoprop, fil, µg/L
P82674 - Carbofuran, fil, µg/L
P82675 - Terbufos, fil, µg/L
P82677 - Disulfoton, fil, µg/L
P82680 - Carbaryl, fil, µg/L
P82685 - Propargite, fil, µg/L
P82686 - Azinphos-methyl, fil, µg/L
P82687 - cis-Permethrin, fil, µg/L

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

Analyte	MCL	Units
P38866 Oxamyl, fil	200	µg/L
P39053 Aldicarb, unf	3	µg/L*
P39340 Lindane, unf	0.2	µg/L
P39341 Lindane, fil	0.2	µg/L
P39350 Chlordane, unf	2	µg/L
P39352 Chlordane, fil	2	µg/L
P39390 Endrin, unf	2	µg/L
P39391 Endrin, fil	2	µg/L
P39400 Toxaphene, unf	3	µg/L
P39401 Toxaphene, fil	3	µg/L
P39410 Heptachlor, unf	0.4	µg/L
P39411 Heptachlor, fil	0.4	µg/L
P39420 Heptachlor epoxide, unf	0.2	µg/L
P39421 Heptachlor epoxide, fil	0.2	µg/L
P39480 p,p'-Methoxychlor, unf	40	µg/L
P49309 Carbofuran, fil	40	µg/L
P49312 Aldicarb, fil	3	µg/L*
P49313 Aldicarb sulfone, fil	3	µg/L*
P49314 Aldicarb sulfoxide, fil	4	µg/L*
P81405 Carbofuran, unf	40	µg/L
P82674 Carbofuran, fil	40	µg/L

*The MCL value for any combination of two or more of these three chemicals should not exceed 7 µg/L because of similar mode of action.