ABBREVIATIONS USED – Volatile Organic Compounds (data source: U.S. Geological Survey)

WELL AND SAMPLE IDENTIFIERS (file last modified September 2007)

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.
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 USGS, the counties are Adams, Allegheny, Armstrong, Beaver, Bedford, Berks, Blair, Bucks, Butler, Cambria, Carbon, Centre, Chester, Clarion, Clearfield, Columbia, Crawford, Cumberland, Dauphin, Delaware, Erie, Fayette, Franklin, Greene, Huntingdon, Indiana, Jefferson, Juniata, Lancaster, Lawrence, Lebanon, Lehigh, Luzerne, Lycoming, McKean, Mercer, Mifflin, Monroe, Montgomery, Northampton, Northumberland, Perry, Philadelphia, Pike, Schuylkill, Snyder, Somerset, Tioga, Venango, Warren, Washington, Wayne, Westmoreland, Wyoming, 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, 7, 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 unit. For USGS, the units are bcoal (bituminous coal bearing), dkcrys (dark crystalline), ltcrys (light crystalline), pocarb (Precambrian through Ordovician carbonates), qscong (quartzite, sandstone, and conglomerate), redsed (red sedimentary rocks), schist (schist), sdcarb (Silurian and Devonian carbonates), shale (shale), trised (Triassic age sedimentary rocks), uncon (unconsolidated sand and gravel, age unknown).
GEOLITH – Generated numeric code that relates to GEO1. bcoal = 2, dkcrys = 3, ltcrys = 4, pocarb = 5, qscong = 6, redsed = 7, schist = 8, sdcarb = 9, shale = 10, trised = 11, uncon = 12.

PARAMETER CODES (Analyte sampled)

P30217 – Dibromomethane, unfiltered (unf), micrograms per liter, µg/L
P32101 – Bromodichloromethane, unf, µg/L
P32102 – Tetrachloromethane carbon (tet), unf, µg/L
P32103 – 1,2-Dichloroethane, unf, µg/L
P32104 – Tribromomethane, unf, µg/L
P32105 – Dibromomethane, unf, µg/L
P32106 – Trichloromethane (Chloroform), unf, µg/L

P32730 – Phenolic compounds, unf, µg/L
P34010 – Toluene, unf, µg/L
P34030 – Benzene, unf, µg/L
P34210 – Acrolein, unf, µg/L
P34215 – Acrylonitrile, unf, µg/L
P34247 – Benzo[a]pyrene, unf, µg/L
P34248 – Benzo[a]pyrene, filtered (fil), µg/L
P34288 – Tribromoethane, fil, µg/L
P34301 – Chlorobenzene, unf, µg/L
P34311 – Chloroethane, unf, µg/L
P34371 – Ethylbenzene, unf, µg/L
P34396 – Hexachloroethane, unf, µg/L
P34413 – Bromoethane (methyl bromide), unf, µg/L
P34418 – Chloromethane (methyl chloride), unf, µg/L
P34423 – Dichloromethane (methylene chloride), unf, µg/L
P34443 – Naphthalene, fil, µg/L
P34459 – Pentachlorophenol, fil, µg/L
P34470 – Pyrene, fil, µg/L
P34475 – Tetrachloroethene, unf, µg/L
P34476 – Tetrachloroethene, fil, µg/L
P34488 – Trichlorofluoromethane (CFC 11), unf, µg/L
P34496 – 1,1-Dichloroethane, unf, µg/L
P34501 – 1,1-Dichloroethene, unf, µg/L
P34506 – 1,1,1-Trichloroethane, unf, µg/L
P34511 – 1,1,2-Trichloroethane, unf, µg/L
P34516 – 1,1,2,2-Tetrachloroethane, unf, µg/L
P34536 – 1,2-Dichlorobenzene (o-dichlorobenzene), unf, µg/L
P34541 – 1,2-Dichloropropane, unf, µg/L
P34546 – trans-1,2-Dichloroethene, unf, µg/L
P34551 – 1,2,4-Trichlorobenzene, unf, µg/L
P34561 – 1,3-Dichloropropene, unf, µg/L
P34566 – 1,3-Dichlorobenzene, unf, µg/L
P34571 – 1,4-Dichlorobenzene, unf, µg/L
P34572 – 1,4-Dichlorobenzene, fil, µg/L
P34576 – 2-Chloroethyl vinyl ether, unf, µg/L
P34668 – Dichlorodifluoromethane (CFC 12), unf, µg/L
P34675 – 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD), unf, µg/L
P34696 – Naphthalene, unf, µg/L
P34699 – trans-1,3-Dichloropropene, unf, µg/L
P39032 – Pentachlorophenol, unf, µg/L
P39082 – 1,2-dibromoethene, unf, µg/L
P39175 – Vinyl chloride, unf, µg/L
P39180 – Trichloroethene, unf, µg/L
P39250 – Polychlorinated napthalenes (PCNs/Napthalenes), unf, µg/L
P39516 – PCB, unf, µg/L
P39517 – PCB, fil, µg/L
P39702 – Hexachlorobutadiene, unf, µg/L
P49991 – Methyl acrylate, unf, µg/L
P49999 – 1,2,3,4-Tetramethylbenzene, unf, µg/L

P50000 – 1,2,3,5-Tetramethylbenzene (Isodurene), unf, µg/L
P50002 – Bromoethene, unf, µg/L
P50004 – tert-Butyl ethyl ether, unf, µg/L
P50005 – Methyl tert-pentyl ether, unf, µg/L
P62078 – Isopropylbenzene, fil, µg/L
P73547 – trans-1,4-Dichloro-2-butene, unf, µg/L
P73570 – Ethyl methacrylate, unf, µg/L
P77041 – Carbon disulfide, unf, µg/L
P77057 – Vinyl acetate, unf, µg/L
P77093 – cis-1,2-Dichloroethene, unf, µg/L
P77103 – n-Butyl methyl ketone, unf, µg/L
P77128 – Styrene, unf, µg/L
P77135 – o-Xylene, unf, µg/L
P77168 – 1,1-Dichloropropene, unf, µg/L
P77170 – 2,2-Dichloropropane, unf, µg/L
P77173 – 1,3-Dichloropropane, unf, µg/L
P77220 – 2-Ethyltoluene, unf, µg/L
P77221 – 1,2,3-Trimethylbenzene, unf, µg/L
P77222 – 1,2,4-Trimethylbenzene, unf, µg/L
P77223 – Isopropylbenzene, unf, µg/L
P77224 – n-Propylbenzene, unf, µg/L
P77226 – 1,3,5-Trimethylbenzene, unf, µg/L
P77275 – 2-Chlorotoluene (o-chlorotoluene), unf, µg/L
P77277 – 4-Chlorotoluene (p-chlorotoluene), unf, µg/L
P77297 – Bromochloromethane, unf, µg/L
P77342 – n-Butylbenzene, unf, µg/L
P77350 – sec-Butylbenzene, unf, µg/L
P77353 – tert-Butylbenzene, unf, µg/L
P77356 – 4-Isopropyltoluene (p-isopropyltoluene), unf, µg/L
P77424 – Iodomethane (methyl iodide), unf, µg/L
P77443 – 1,2,3-Trichloropropane, unf, µg/L
P77562 – 1,1,1,2-Tetrachloroethane, unf, µg/L
P77613 – 1,2,3-Trichlorobenzene, unf, µg/L
P77651 – 1,2-Dibromoethane, unf, µg/L
P77652 – 1,1,2-Trichloro-1,2,2-trifluoroethane (CFC 113), unf, µg/L
P78032 – Methyl tert-butyl ether (MTBE), unf, µg/L
P78109 – 3-Chloropropene, unf, µg/L
P78133 – Isobutyl methyl ketone (MIBK), unf, µg/L
P81551 – Xylenes, unf, µg/L
P81552 – Acetone, unf, µg/L
P81555 – Bromobenzene, unf, µg/L
P81576 – Diethyl ether, unf, µg/L
P81577 – Diisopropyl ether, unf, µg/L
P81593 – Methyl acrylonitrile, unf, µg/L
P81595 – Ethyl methyl ketone, unf, µg/L
P81597 – Methyl methacrylate, unf, µg/L
P82360 – Polychlorinated napthalenes (PCNs), fil, µg/L
P82625 – 1,2-Dibromo-3-chloropropane, unf, µg/L
P85795 – m-Xylene plus p-xylene, unf, µg/L

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

Analyte	MCL	Units
P30217 – Dibromomethane, unf	100	µg/L
P32102 – Tetrachloromethane, fil	5	µg/L
P32103 – 1,2-Dichloroethane, unf	5	µg/L
P32105 – Dibromomethane, unf	100	µg/L
P34010 – Toluene, unf	1000	µg/L
P34030 – Benzene, unf	5	µg/L
P34247 – Benzo[a]pyrene, unf	0.2	µg/L
P34248 – Benzo[a]pyrene, fil	0.2	µg/L
P34301 – Chlorobenzene, unf	100	µg/L
P34371 – Ethylbenzene, unf	700	µg/L
P34423 – Dichloromethane, unf	5	µg/L
P34459 – Pentachlorophenol, fil	1	µg/L
P34475 – Tetrachloroethene, unf	5	µg/L
P34476 – Tetrachloroethene, fil	5	µg/L
P34501 – 1,1-Dichloroethene, unf	7	µg/L
P34506 – 1,1,1-Trichloroethane, unf	200	µg/L
P34511 – 1,1,2-Trichloroethane, unf	5	µg/L
P34536 – 1,2-Dichlorobenzene, unf	600	µg/L
P34541 – 1,2-Dichloropropane, unf	5	µg/L
P34546 – trans-1,2-Dichloroethene, unf	100	µg/L
P34551 – 1,1,2-Trichloroethane, unf	70	µg/L
P34566 – 1,3-Dichlorobenzene, unf	600	µg/L
P34571 – 1,4-Dichlorobenzene, unf	75	µg/L
P34572 – 1,4-Dichlorobenzene, fil	75	µg/L
P34675 – 2,3,7,8-Tetrachlorodibenzo-p-dioxin, unf	0.00003	µg/L
P39032 – Pentachlorophenol, unf	1	µg/L
P39175 – Vinyl chloride, unf	2	µg/L
P39180 – Trichloroethene, unf	5	µg/L
P39516 – PCB, unf	0.5	µg/L
P77093 – cis-1,2-Dichloroethene, unf	70	µg/L
P77128 – Styrene, unf	100	µg/L
P77135 – o-Xylene, unf	10000	µg/L
P77651 – 1,2-Dibromoethane, unf	0.05	µg/L
P81551 – Xylenes, unf	10000	µg/L
P82625 – 1,2-Dibromo-3-chloropropane, unf	0.2	µg/L
P85795 – m-Xylene plus p-xylene, unf	10000	µg/L