ABBREVIATIONS USED – Volatile Organic Compounds (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, SP - spring, WE - 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 is located. For USEPA, the counties are Adams, Blair, Bradford, Butler, Carbon, Centre, Chester, Clearfield, Clinton, Crawford, Cumberland, Dauphin, Erie, Forest, Franklin, Lackawanna, Lancaster, Lawrence, Luzerne, Lycoming, McKean, Mercer, Mifflin, Monroe, Montour, Northampton, Northumberland, Pike, Susquehanna, Tioga, Warren, York.
BASINS – The PADEP basin (numbers range from 1-35) the well is located in. For USEPA, wells are located in Basins 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 19, 21, 23, 24, 25, 26, 32, 33, 34, 35.
GEO1 – General geologic (bedrock) unit. For USEPA, the bedrock units are bcoal (bituminous coal bearing), 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, ltcrys = 4, pocarb = 5, qscong = 6, redsed = 7, schist = 8, sdcarb = 9, shale = 10, trised = 11.

PARAMETER CODES (Analyte sampled)

P00550 – Oil and grease, unfiltered (unf), in milligrams per liter (mg/L).
P00556 – Oil and grease, unf, (freon extraction, gravimetric method) mg/L.
P32102 – Tetrachloromethane (Carbon Tetrachloride), unf, in micrograms per liter (µg/L).
P32103 – 1,2-Dichloroethane, unf, µg/L.
P32104 – Tribromomethane, unf, µg/L.
P32105 – Dibromoethane, 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 – Acrylonitrite, unf, µg/L.
P34268 – Bis(chloromethyl) Ether, unf, µg/L.
P34297 – Tetrachloromethane, fil, µg/L.
P34301 – Chlorobenzene (monochlorobenzene), unf, µg/L.
P34306 – Chlorodibromomethane, unf, µg/L.
P34311 – Chloroethane, unf, µg/L.
P34328 – Bromodichloromethane, fil, µg/L.
P34351 – Endosulfan Sulfate, unf, µg/L.
P34371 – Ethylbenzene, unf, µg/L.
P34413 – Bromoethane (methyl bromide), unf, µg/L.
P34418 – Chloromethane (methyl chloride), unf, µg/L.
P34423 – Dichloromethane (methylene chloride), unf, µg/L.
P34475 – Tetrachloroethene (Tetrachloroethene, perc, PCE), unf, µg/L.
P34488 – Trichlorofluoro-methane (CFC 11), unf, µg/L.
P34496 – 1,1-Dichloroethane, unf, µg/L.
P34501 – 1,1-Dichloroethene (DCE, 1,1-Dichloroethylene), unf, µg/L.
P34506 – 1,1,1-Trichloroethane, unf, µg/L.
P34507 – 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.
P34561 – 1,3-Dichloropropene, unf, µg/L.
P34566 – 1,3-Dichlorobenzene (m-Dichlorobenzene), unf, µg/L.
P34571 – 1,4-Dichlorobenzene (p- or para-Dichlorobenzene), unf, µg/L.
P34576 – 2-Chloroethyl vinyl ether, unf, µg/L.
P34601 – 2,4-Dichlorophenol, unf, µg/L.
P34606 – 2,4-Dimethylphenol, unf, µg/L.
P34668 – Dichlorodifluoromethane (CFC 12), unf, µg/L.
P34699 – trans-1,3-Dichloropropene, unf, µg/L.
P38260 – Methylene blue active substances (MBAS), unf, µg/L.
P39032 – Pentachlorophenol, unf, µg/L.
P39175 – Vinyl chloride, unf, µg/L.
P39180 – Trichloroethene (Trichloroethylene), unf, µg/L.
P39516 – Polychlorinated biphenyls (PCB), unf, µg/L.
P77004 – Ethanol, unf, µg/L.
P77041 – Carbon disulfide, unf, µg/L.
P77093 – cis-1,2-Dichloroethene, (cis-1,2-Dichloroethlyene), unf, µg/L.
P77135 – o-Xylene, unf, µg/L.
P77222 – 1,2,4-Trimethylbenzene, unf, µg/L.
P77226 – 1,3,5-Trimethylbenzene, unf, µg/L.
P77297 – Bromochloromethane, unf, µg/L.
P77885 – Methanol, unf, µg/L.
P78008 – Endrin Ketone, unf, µg/L.
P78032 – Methyl tertbutyl ether (MTBE), unf, µg/L.

P78113 – Ethylbenzene, unf, µg/L.
P78132 – p-Xylene, unf, µg/L.
P81327 – Dichloropropane, unf, µg/L.
P81524 – Dichlorobenzene, unf, µg/L.
P81551 – Xylenes, unf, µg/L.
P81552 – Acetone, unf, µg/L.
P81574 – Dichloroethylene, unf, µg/L.
P81595 – Ethyl methyl ketone, unf, µg/L.
P81596 – Methyl-isobutyl ketone, unf, µg/L.
P81686 – cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene), unf, mg/L.
P81695 – Methanol, unf, mg/L.
P81710 – m-Xylene, unf, mg/L.
P81711 – o-Xylene, unf, mg/L.

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

Analyte	MCL	Units
P32102 – Tetrachloromethane	5	µg/L
P32103 – 1,2-Dichloroethane	5	µg/L
P32106 – Trichloromethane	80	µg/L
P34010 – Toluene	1,000	µg/L
P34030 – Benzene	5	µg/L
P34301 – Chlorobenzene	100	µg/L
P34423 – Dichloromethane	5	µg/L
P34475 – Tetrachloroethene	5	µg/L
P34501 – 1,1-Dichloroethene	7	µg/L
P34506 – 1,1,1-Trichloroethane	200	µg/L
P34507 – 1,1,1-Trichloroethane	200	µg/L
P34511 – 1,1,2-Trichloroethane	5	µg/L
P34536 – 1,2-Dichlorobenzene	600	µg/L
P34541 – 1,2-Dichloropropane	5	µg/L
P34546 – trans-1,2-Dichloroethene	100	µg/L
P34566 – 1,3-Dichlorobenzene	600	µg/L
P34571 – 1,4-Dichlorobenzene	75	µg/L
P39032 – Pentachlorophenol	1	µg/L
P39175 – Vinyl Chloride	2	µg/L
P39180 – Trichloroethene	5	µg/L
P39516 – Polychlorinated biphenyls	0.5	µg/L
P77093 – cis-1,2-Dichloroethene	70	µg/L
P78113 – Ethylbenzene	700	µg/L
P78132 – p-Xylenes	10,000	µg/L
P81710 – m-Xylenes	10,000	µg/L
P81711 – o-Xylenes	10,000	µg/L
P81551 – Xylenes (total)	10,000	µg/L