

**ABBREVIATIONS USED – Major ions** (data source: Pennsylvania Department of Environmental Protection South-Central Regional Office, Waste Management Program)

**WELL AND SAMPLE IDENTIFIERS** (file last modified November 2006)

LOCAL – Local number. For South-Central Regional Office, it is alphanumeric.

STAID – Station identifier (same as LOCAL). For South-Central Regional Office, it is alphanumeric.

SOURCE – Pennsylvania Department of Environmental Protection South-Central Regional Office (SCRO). Samples collected from upgradient monitor wells at land-fill sites.

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 SCRO, the counties are Bedford, Berks, Blair, Dauphin, Franklin, Lancaster, Lebanon, Mifflin.

BASINS – The PADEP basin (numbers range from 1-35) the well is located in. For SCRO, wells are located in Basins 16, 23, 25, 26.

GEO1 – General geologic (bedrock) unit. For SCRO, the bedrock units are bcoal (bituminous coal), pocarb (Precambrian through Ordovician carbonates), sdcarb (Silurian and Devonian carbonates), shale (shale).

GEOLITH – Generated numeric code that relates to GEO1. bcoal = 2, pocarb = 5, sdcarb = 9, shale = 10.

**PARAMETER CODES (Analyte sampled)**

Pcalcium\_tot – Calcium, unfiltered (unf), in milligrams per liter (mg/L)

Pchloride\_tot – Chloride, unf, mg/L

Pfluoride\_tot – Fluoride, unf, mg/L

Piron\_diss – Iron, filtered (fil), in micrograms per liter ( $\mu\text{g/L}$ )

Piron\_tot – Iron, unf,  $\mu\text{g/L}$

Pmagnesium\_diss – Magnesium, fil, mg/L

Pmagnesium\_tot – Magnesium, unf, mg/L

Pmanganese\_diss – Manganese, fil,  $\mu\text{g/L}$

Pmanganese\_tot – Manganese, unf,  $\mu\text{g/L}$

Ppotassium\_tot – Potassium, unf, mg/L

Proe\_tot – Residue upon evaporation, total filterable at 105 degrees Centigrade, mg/L

Psodium\_diss – Sodium, fil, mg/L

Psodium\_tot – Sodium, unf, mg/L

Psulfate\_tot – Sulfate, unf, mg/L

Ptotal\_diss\_solids – Total Dissolved Solids (TDS), mg/L

Pturbidity – Turbidity, in nephelometric turbidity units (NTU)

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

<u>Analyte</u>	<u>MCL</u>	<u>Units</u>
Fluoride	4	mg/L
Turbidity	1	NTU

**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>
Chloride	250	mg/L
Fluoride	2	mg/L
Iron	0.3	mg/L
Manganese	.05	mg/L
Sulfate	250	mg/L
Total Dissolved Solids	500	mg/L