



Water-Data Report 2006

395346075421001 Local number CH 83

Piedmont and Blue Ridge crystalline-rock aquifers
 Wissahickon Formation, Albite Chlorite Schist
 Chester County, PA

LOCATION.--Lat 39°53'46", long 75°42'10" referenced to North American Datum of 1927, Chester County, PA, Hydrologic Unit 02040205.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 220 ft. Upper casing diameter undefined; top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 405 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

REMARKS.--Some values for filtered parameters exceed values for the corresponding unfiltered parameter. These results are within the limits of analytical precision and methods. Station operated as part of the Chester County Ground-Water-Quality Monitoring Project.

COOPERATION.--Station established and maintained by the U.S. Geological Survey in cooperation with the Chester County Water Resources Authority and Chester County Health Department.

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Agency ana- lyzing sample, code (00028)	Depth of well, below LSD (72008)	Alti- tude of land surface feet (72000)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc- tance, wat unf lab, uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)
Sep 26...	1230	80020	220	405	.8	7.2	7.1	340	342	13.5	36.3	8.49	3.17

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Arsenic water, fltrd, ug/L (01000)	Boron, water, fltrd, ug/L (01020)	Copper, water, fltrd, ug/L (01040)
Sep 26...	12.9	66	43.6	E.07	20.1	28.1	<.010	.15	E.002	.020	.67	11	2.2

395346075421001 Local number CH 83—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

Date	Iron, water, fltred, ug/L (01046)	Lead, water, fltred, ug/L (01049)	Lead, water, unfltred -able, ug/L (01051)	Mangan- ese, water, fltred, ug/L (01056)	Zinc, water, fltred, ug/L (01090)	Gross alpha 30 day recount wat unf Th-230, pCi/L (63016)	Gross alpha 72 hr, radioac wat unf Th-230, pCi/L (63014)	Gross beta 30 day recount wat unf Cs-137, pCi/L (63017)	Gross beta 72 hr, radioac wat unf Cs-137, pCi/L (63015)	Uranium natural water, fltred, ug/L (22703)
Sep 26...	10	<.08	2.60	11.5	39.2	.8	-.4	5.5	3.0	.29