



Water-Data Report 2007

0148063528 BROAD RUN ABOVE UNNAMED TRIBUTARY AT ROMANSVILLE, PA

Lower Delaware Basin
Brandywine-Christina Subbasin

LOCATION.--Lat 39°58'01", long 75°44'35" referenced to North American Datum of 1927, Chester County, PA, Hydrologic Unit 02040205, at Chestnut Lane, 10 ft downstream of Broad Run Road, 4.0 mi southwest of Downingtown.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2007 to current year.

REMARKS.--Station operated as part of the Chester County Ground-Water-Quality Monitoring Project.

COOPERATION.--Samples were collected with cooperation from the Chester County Water Resources Authority.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 7

[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd, std units (00400)	pH, water, unfltrd, lab, std units (00403)	Specific conductance, wat unfltrd, lab, μS/cm 25 degC (90095)	Specific conductance, wat unfltrd, lab, μS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, titr., mg/L as CaCO3 (00419)
Aug 27...	1330	.68	10.9	7.6	7.9	217	206	19.6	16.0	8.51	.99	9.30	38

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 2 of 7

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Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrate + nitrite, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd, mg/L (00665)	Boron, water, fltrd, μg/L (01020)	Iron, water, fltrd, μg/L (01046)	Manganese, water, fltrd, μg/L (01056)
Aug 27...	24.7	<.10	8.7	10.5	.14	<.020	3.38	.004	.007	<.04	7.9	11	8.1

0148063528 BROAD RUN ABOVE UNNAMED TRIBUTARY AT ROMANSVILLE, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 7

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Date	1,4-Di-chloro-benzene water, fltrd, µg/L (34572)	1-Methyl-naphth-alene, water, fltrd, µg/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, µg/L (62055)	2-Methyl-naphth-alene, water, fltrd, µg/L (62056)	3-beta-Copros-tanol, water, fltrd, µg/L (62057)	3-Methyl-1H-indole, water, fltrd, µg/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt µg/L (62059)	4-Cumyl-phenol, water, fltrd, µg/L (62060)	4-Octyl-phenol, water, fltrd, µg/L (62061)	4-Nonyl-phenol, all isomers wat flt µg/L (62085)	4-Octyl-phenol di-ethox-ylate, wat flt µg/L (62083)	4-Octyl-phenol di-ethox-ylate, wat flt µg/L (61705)	4-Octyl-phenol mono-ethox-ylate, wat flt µg/L (61706)
Aug 27...	<.1	<.1	<.2	<.1	<2	<.08	<.6	<.14	<.16	<2	<5	<1	<1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 7

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Date	4-tert-Octyl-phenol, water, fltrd, µg/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt µg/L (62063)	9,10-Anthra-quinone water, fltrd, µg/L (62066)	Aceto-phenone water, fltrd, µg/L (62064)	AHTN, water, fltrd, µg/L (62065)	Anthra-cene, water, fltrd, µg/L (34221)	Benzo-[a]-pyrene, water, fltrd, µg/L (34248)	Benzo-phenone water, fltrd, µg/L (62067)	beta-Sitos-terol, water, fltrd, µg/L (62068)	beta-Stigmas-tanol, water, fltrd, µg/L (62086)	Bisphen-ol A-d3 sur Sch 8033, wat flt pct rcv (99583)	Broma-cil, water, fltrd, µg/L (04029)	Caf-feine, water, fltrd, µg/L (50305)
Aug 27...	<.10	<2	<.2	<.1	<.5	<.1	<.1	<.2	<2	<2	6.9	<.4	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 7

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Date	Caffe-ine-13C sur Sch 2033 & 8033, wat flt pct rcv (99584)	Camphor water, fltrd, µg/L (62070)	Car-baryl, water, 0.7u GF µg/L (82680)	Carba-zole, water, fltrd, µg/L (62071)	Chlor-pyrifos water, fltrd, µg/L (38933)	Choles-terol, water, fltrd, µg/L (62072)	Cot-inine, water, fltrd, µg/L (62005)	DecaF-biphen-yl sur Sch 2033 & 8033, wat flt pct rcv (99585)	DEET, water, fltrd, µg/L (62082)	Diazi-non, water, fltrd, µg/L (39572)	D-Limo-nene, water, fltrd, µg/L (62073)	Fluor-anthene water, fltrd, µg/L (34377)	Fluor-anthene -d10, sur Sch 20/8033 wat flt pct rcv (99586)
Aug 27...	92.5	<.1	<1	<.1	<.2	<1	<.400	58.9	<.2	<.2	<.1	<.1	87.3

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 6 of 7

[Remark codes: <, less than; M, presence verified but not quantified.]

Date	HHCB, water, fltrd, µg/L (62075)	Indole, water, fltrd, µg/L (62076)	Isobor- neol, water, fltrd, µg/L (62077)	Iso- phorone water, fltrd, µg/L (34409)	Iso- propyl- benzene water, fltrd, µg/L (62078)	Iso- quin- oline, water, fltrd, µg/L (62079)	Menthol water, fltrd, µg/L (62080)	Meta- laxyl, water, fltrd, µg/L (50359)	Methyl salicy- late, water, fltrd, µg/L (62081)	Metola- chlor, water, fltrd, µg/L (39415)	Naphth- alene, water, fltrd, µg/L (34443)	p- Cresol, water, fltrd, µg/L (62084)	Phenan- threne, water, fltrd, µg/L (34462)
Aug 27...	<.5	<.1	<.1	<.1	<.1	<.4	<.2	<.2	M	<.2	<.1	<.18	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 7 of 7

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Date	Phenol, water, fltrd, µg/L (34466)	Prome- ton, water, fltrd, µg/L (04037)	Pyrene, water, fltrd, µg/L (34470)	Tetra- chloro- ethene, water, fltrd, µg/L (34476)	Tri- bromo- methane water, fltrd, µg/L (34288)	Tri- butyl phos- phate, water, fltrd, µg/L (62089)	Triclo- san, water, fltrd, µg/L (62090)	Tri- ethyl citrate water, fltrd, µg/L (62091)	Tri- phenyl phos- phate, water, fltrd, µg/L (62092)	Tris(2- butoxy- ethyl) phos- phate, wat flt µg/L (62093)	Tris(2- chloro- ethyl) phos- phate, wat flt µg/L (62087)	Tris(di chloro- i-Pr) phos- phate, wat flt µg/L (62088)
Aug 27...	<.4	<.4	<.1	<.2	<.1	<.2	<.2	<.4	<.2	<.5	<.2	<.2