

TABLE 2
WATER CHEMISTRY¹
BRINTON RUN, 00044, AND 00052
CHESTER COUNTY
JULY 15, 1998

STATION	1BR	44UT	52UT
Field Parameters			
Temp (°C)	19.5	21.2	18.6
pH	7.2	7.3	7.4
Cond (µmhos)	214	248	168
Diss. O ₂	NO DATA		
Laboratory Parameters			
pH	6.7	7.0	6.5
Alkalinity	38	64	24
Acidity	0	0	0
Hardness	58	84	44
T Diss. Sol.	164	194	144
Susp.Sol.	8	<2.0	8
NH ₃ -N	<.02	<.02	0.02
NO ₂ -N	<.01	<.01	<.01
NO ₃ -N	1.72	1.07	2.15
Total P	0.02	<0.02	<0.02
Ca	18.0	22.5	12.7
Mg	6.34	8.57	4.63
Cl	20	18	14
SO ₄	31	18	14
As*	< 4.0	< 4.0	< 4.0
As Diss	< 4.0	< 4.0	< 4.0
Cd*	< 0.2	< 0.2	< 0.2
Cd Diss	< 0.2	< 0.2	< 0.2
hex Cr*	<10	<10	<10
Cr*	<50	<50	<50
Cu*	< 4.0	< 4.0	< 4.0
Cu Diss	< 4.0	< 4.0	< 4.0
Fe*	213	319	246
Pb*	< 1.0	< 1.0	< 1.0
Pb Diss	< 1.0	< 1.0	< 1.0
Mn*	17	33	39
Ni*	< 4.0	< 4.0	< 4.0
Ni Diss	< 4.0	< 4.0	< 4.0
Zn*	< 5.0	6.8	< 5.0
Zn Diss	< 5.0	< 5.0	< 5.0
Al*	75.6	117	114
fecal coliforms	140	140	40

¹ - Except for pH & conductance and indicated otherwise, all values are total concentrations in mg/l

* - Total concentrations in µg/l