Table 4-3
Hydraulic Conductivities at Shallow, Intermediate, and Deep Wells
Metropolitan Former MGP, Brooklyn, New York

Well	Test #	Generalized Soil Type in Screened Interval	Screened Interval (ft bgs)	Test Method	Calculated Hydraulic Conductivity (feet/day)
Shallow Water Table Wells					
MW-1S	1	Silt	3 to 13	Rising	1.404
			3 to 13	Falling	0.830
MW-3S	1	Fine-Coarse Sand	3 to 13	Rising Head*	470.3
	2		3 to 13	Falling Head*	521.7
	3		3 to 13	Rising Head	60.2
	4		3 to 13	Falling Head	69.0
MW-5S	1	Sand/Silt	3 to 13	Rising	68.3
	2		3 to 13	Falling	42.6
				Geometric Mean Rising Head	17.9
Intermediate Water Table Wells					
MW-1I	1	Silt	30 to 40	Rising	1.905
MW-3I	1	Fine Sand	40 to 50	Rising	7.072
MW-5I	1	Very Fine Sand	40 to 50	Rising	74.72
				Geometric Mean Rising Head	10.0
Deep Wells					
MW-1D	1	Silt	70 to 72	Rising	1.041
MW-2D	1	Fine Sand	60 to 70	Rising	29.74
MW-5D	1	Fine-Coarse Sand	60 to 70	Rising*	251.8
	2		60 to 70	Rising	38.04
	3		60 to 70	Rising	16.83
				Geometric Mean Rising Head	11.87

Notes:

ft bgs = feet below ground surface

Hydraulic conductivity estimates performed using AQTESOLV Pro (2006).

Bouwer and Rice solution method was used.

Slug tests were conducted on October 7th and October 15th, 2010

* = ouliers not included in the geometric mean.