

	Sample Collection Date	Flow (cu. ft./sec.)	Suspended solids (mg/L)	Sulfate (mg/L)	Total Hardness (mg/L)	Total Phosphorus (mg/L)	TOC (mg/L)	Ammonia-N (mg/L)
Pittsburgh	01/15/14	61,700	51	33.9	58	0.038	2.4	0.078
MP -7.4	03/17/14	43,300	30	35.3	64.4	0.04	2.4	<0.03
(Allegheny)	05/05/14	34,800	29	44.6	61.2	<0.01	2.3	<0.03
S. Pittsburgh	01/15/14	29,800	19	74.9	98.3	0.018	1.6	0.039
MP -4.5	03/17/14	19,100	27	50.2	91.7	0.025	1.6	<0.03
(Monongahela)	05/05/14	12,200	16	134	127	0.019	1.5	<0.03
Beaver Falls	01/15/14	14,400	28	40.3	99.1	0.055	4.3	0.033
MP -5.3	03/17/14	5,600	9	35.7	116	0.046	3.6	<0.03
(Beaver)	05/05/14	9,100	<5	52.3	110	0.048	3.9	<0.03
New Cumberland	01/13/14	No	28	52.7	97.9	0.033	2.5	0.05
MP 54.4	03/31/14	Flow	<5	72.5	97.8	0.042	1.8	0.041
	05/14/14	Available	12	57.8	109	<0.01	1.9	<0.03
Pike Island	01/13/14	105,200	36	56.3	105	0.057	2.6	0.058
MP 84.2	03/31/14	62,000	9	68.2	91.9	<0.01	1.8	0.051
	05/14/14	61,100	10	60.2	108	0.012	1.8	<0.03
Hannibal	01/20/14	56,600	13	52.9	82.6	0.031	2	<0.03
MP 126.4	03/10/14	25,600	7	60	105	0.025	1.9	0.12
	05/19/14	132,800	72	44.6	84.5	0.048	2.7	<0.03
Willow Island	01/20/14	58,500	15	53.7	84	0.027	2.1	<0.03
MP 161.8	03/10/14	28,500	9	55	99.5	0.019	2	0.1
	05/19/14	141,600	96	56.4	97.2	0.082	2.8	<0.03
Marietta	01/20/14	9,300	22	80.2	169	0.08	2.9	<0.03
MP -0.8	03/10/14	5,600	10	81.1	209	0.036	2.4	0.062
(Muskingum)	05/19/14	30,100	72	47.2	138	0.099	4.2	<0.03
Belleville	03/20/14	76,900	17	63.7	125	0.016	2.4	0.035
MP 203.9	05/27/14	70,200	16	44.3	104	0.029	2.6	0.13
Winfield	01/15/14	No	8	35.4	64	<0.01	1.4	<0.03
MP -31.1	03/27/14	Flow	<5	13.2	67.7	<0.01	1.3	<0.03
(Kanawha)	05/20/14	Available	26	19.7	59.1	0.016	1.7	<0.03

R.C. Byrd	02/04/14	147,100	15	57.1	105	0.044	1.9	0.037
MP 279.2	03/20/14	101,400	14	48.1	110	0.01	2.1	0.031
	05/27/14	82,300	16	37.4	90.8	0.048	2.6	<0.03
Louisa	01/15/14	14,800	60	108	134	0.019	1.6	<0.03
MP -20.3	03/27/14	4,200	9	142	202	<0.01	1.3	<0.03
(Big Sandy)	05/20/14	3,800	40	118	239	0.029	1.6	<0.03
Greenup	01/13/14	193,300	115	43.7	96.1	0.027	2.7	<0.03
MP 341.0	03/19/14	123,600	16	71	132	0.023	2	0.058
	05/21/14	199,900	67	49	133	0.1	3	<0.03
Lucasville	01/15/14	18,400	61	54.7	226	0.18	4.4	<0.03
MP -15.0	03/27/14	2,500	11	83.8	265	0.086	3.7	<0.03
(Scioto)	05/20/14	16,700	90	34.5	265	0.22	5.6	<0.03
Meldahl	01/14/14	221,400	88	36.4	111	0.069	3	<0.03
MP 436.2	03/19/14	129,500	49	62.3	136	0.04	2.3	0.066
	05/21/14	238,900	72	45.8	144	0.11	3.2	<0.03
Newtown	01/13/14	4,200	41	31	179	0.19	5.2	<0.03
MP -7.5	03/06/14	600	<5	35.5	282	0.12	3	0.054
(Little Miami)	05/20/14	1,500	25	29.8	324	0.12	3.4	<0.03
Covington	01/13/14	13,900	138	19.4	154	0.26	4.3	<0.03
MP -4.7	03/06/14	7,800	68	26.6	142	0.11	2.8	<0.03
(Licking)	05/20/14	1,800	21	28	187	0.095	3.6	<0.03
Elizabethtown	01/13/14	No	109	25.7	224	0.3	5.1	0.069
MP -5.2	03/06/14	Flow	7	43.3	316	0.13	2.6	0.062
(Great Miami)	05/20/14	Available	37	33.8	380	0.14	3.4	<0.03
Markland	01/14/14	246,000	68	50.4	124	0.12	2.9	<0.03
MP 531.5	03/11/14	128,900	24	51.3	127	0.033	2	0.032
	05/28/14	99,300	11	39.1	119	0.053	2.9	<0.03
McAlpine	01/14/14	264,000	110	43.4	142	0.18	3.1	<0.03
MP 606.8	03/11/14	162,200	83	55.4	139	0.072	2.1	0.03
	05/28/14	118,700	38	43.5	126	0.091	2.8	<0.03
Cannelton	01/20/14	230,900	68	58.6	123	0.072	2.6	<0.03
MP 720.7	03/18/14	187,300	64	47.4	129	0.069	2.2	0.032
	05/28/14	135,800	28	44.8	126	0.089	2.9	<0.03
Sebree	01/20/14	No	79	61.2	129	0.063	2.6	<0.03
MP -41.3	03/18/14	Flow	51	52	141	0.057	2.1	0.032

(Green)	05/28/14	Available	71	52.3	139	0.12	2.9	<0.03
Newburgh MP 776.1	01/20/14	304,100	52	36.7	121	0.04	2.8	<0.03
	03/18/14	216,200	30	41.5	138	0.093	2.4	<0.03
	05/28/14	153,900	64	42.9	141	0.052	2.4	<0.03
J.T. Myers MP 846.0	01/21/14	371,800	11	50.1	123	0.042	2.8	<0.03
	03/19/14	270,100	13	46.5	131	0.012	2.2	0.04
	05/29/14	193,200	77	49	132	0.11	2.8	<0.03
Route 62 Bridge MP -28.5 (Wabash)	01/13/14	46,600	235	30	154	0.29	4.7	0.047
	03/06/14	82,600	67	33	171	0.19	4.3	0.11
	05/21/14	75,100	20	30.9	239	0.11	4.8	<0.03
Smithland MP 918.5	01/21/14	403,100	113	44.7	143	0.12	3	<0.03
	03/19/14	281,000	202	49.5	161	0.18	3	<0.03
	05/29/14	232,000	61	46	150	0.12	3.2	<0.03
Pinkneyville MP -16.0 (Cumberland)	01/20/14	69,000	18	25.9	104	0.059	2	<0.03
	03/18/14	31,000	13	15.7	108	0.025	2.3	<0.03
	05/28/14	9,000	12	16.3	94.2	0.038	2.1	0.091
Paducah MP -6.0 (Tennessee)	01/21/14	121,000	10	13.9	65	0.031	2	<0.03
	03/18/14	59,000	22	11.9	69.5	0.018	2.5	0.036
	05/28/14	15,000	14	10.4	58.3	0.033	2.1	<0.03
Lock & Dam 52 MP 938.9	01/21/14	No	133	43.9	144	0.17	3.2	0.15
	03/19/14	Flow	84	47.2	153	0.1	2.9	0.062
	05/29/14	Available	107	43.9	152	0.15	3.2	<0.03

Nitrate/Nitrite-N (mg/L)	TKN (mg/L)	Chlorides (mg/L)	Phenolics (ug/L)	Cyanide (mg/L)
0.56	0.19	23	<0.01	
0.64	0.41	22.2	<0.01	<0.005
0.42	0.28	15.5	<0.01	
0.54	0.13	25.9	0.049	<0.005
0.7	0.31	27.8	<0.01	<0.005
0.58	0.48	32.5	<0.01	
0.96	0.24	67.7	<0.01	<0.005
1	0.47	70.1	<0.01	<0.005
0.71	0.11	43.5	<0.01	
0.78	0.5	55.6	<0.01	<0.005
0.83	0.35	36	<0.01	<0.005
0.6	0.29	32.2	<0.01	
0.79	0.54	52.7	<0.01	<0.005
0.76	0.43	31.2	<0.01	<0.005
0.59	0.26	29	0.011	
0.69	0.29	29.4	<0.01	<0.005
1	0.46	39.3	<0.01	<0.005
0.53	0.48	18.7	<0.01	
0.67	0.3	32.3	0.02	<0.005
0.98	0.3	40.2	<0.01	<0.005
0.53	0.69	22.5	<0.01	
1.6	0.43	41.1	<0.01	
1.5	0.35	47.2	<0.01	
1.2	0.75	21.9	<0.01	
0.86	0.42	37.7	<0.01	<0.005
0.67	0.38	21.6	<0.01	
0.6	0.14	12.3	<0.01	
0.52	0.31	9.7	<0.01	
0.43	0.36	5.6	<0.01	

0.76	0.53	24.7	<0.01	<0.005
0.75	0.37	34	<0.01	<0.005
0.62	0.37	19.1	<0.01	
0.45	0.31	12	<0.01	
0.35	0.16	17.2	<0.01	
0.38	0.35	13.3	<0.01	
0.55	0.31	20.5	<0.01	
0.73	0.39	36.8	0.04	
1	0.61	23.2	<0.01	
2.4	0.76	53.9	<0.01	
2.4	0.51	60.7	<0.01	
3.8	1.2	28.8	<0.01	
0.74	0.33	23.5	<0.01	
0.87	0.49	34.1	<0.01	
0.92	0.5	24.3	<0.01	
1.2	0.5	46.9		
2.2	0.81	146	0.015	
2.7	0.59	47.4	<0.01	
1.1	0.53	10.1	<0.01	
0.93	0.7	13.5	<0.01	
0.54	0.42	8.7	<0.01	
2.6	0.98	46.1	<0.01	
3	0.48	77.6	<0.01	
4.6	0.81	48.1	<0.01	
0.97	0.56	29.1	<0.01	
0.87	0.35	29.9	<0.01	
1.1	0.49	22.3	0.0064	
0.97	0.58	30.8	<0.01	
0.82	0.42	26.1	<0.01	
1	0.55	20.9	<0.01	
0.94	0.54	28.8	<0.01	
0.88	0.61	29.7	<0.01	
1.2	0.36	31.9	<0.01	
0.97	0.59	29.6		
0.94	0.49	41.4	<0.01	

1.3	0.45	23.7	<0.01
1.3	0.57	12.1	<0.01
1.4	1.1	10.6	<0.01
1.3	0.41	7.2	<0.01
0.97	0.6	25.8	<0.01
0.98	0.52	29.4	<0.01
1.1	0.59	22.9	<0.01
1.7	0.88	20.5	<0.01
2.4	1	25.7	<0.01
4.1	0.81	24	<0.01
1.5	0.72	26.5	
1.3	1.8	27.6	<0.01
1.9	0.59	23.2	<0.01
0.63	0.41	5.6	<0.01
0.8	0.42	5.6	<0.01
0.27	0.57	6.2	<0.01
0.4	0.42	7.6	<0.01
0.37	0.39	7.9	<0.01
0.13	0.35	8.1	<0.01
1.4	0.68	36.4	
1.3	0.62	27.1	<0.01
1.9	0.68	21.7	<0.01