

	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	07/08/14	12,700	18	38.1	80	0.106	3.19	<0.03
MP -7.4	09/10/14	8,500	6.86	74	120	0.052	2.53	<0.03
(Allegheny)	11/12/14	12,100	5.71	48.2	83.3	0.028	2.6	0.03
S. Pittsburgh	07/08/14	3,100	10.6	122	172	0.047	2.69	<0.03
MP -4.5	09/10/14	6,400	6	103	138	0.052	2.87	0.03
(Monongahela)	11/12/14	13,300	4.57	71.8	80	0.038	3.01	0.05
Beaver Falls	07/08/14	2,300	17	53.8	144	0.115	5.8	<0.03
MP -5.3	09/10/14	1,600	9.33	50.6	168	0.108	5.64	<0.03
(Beaver)	11/12/14	2,200	4.29	53.8	140	0.099	5.49	<0.03
New Cumberland	07/29/14	No	7.67	67.2	122	0.046	3.86	0.04
MP 54.4	09/23/14	Flow	5.14	73.4	117	0.051	3.06	0.07
	11/19/14	Available	2	63.5	100	0.04	2.82	0.07
Pike Island	07/29/14	32,500	8.33	74.8	130	0.068	3.86	0.04
MP 84.2	09/23/14	11,500	8	97	142	0.044	3	0.08
	11/19/14	25,700	2.8	65.8	100	0.031	2.75	0.08
Hannibal	07/21/14	24,800	5.33	70.7	122	0.034	2.81	0.07
MP 126.4	09/24/14	10,500	4.29	88.2	130	0.066	3.04	0.05
	11/19/14	26,400	3	67.2	100	0.037	2.88	0.06
Willow Island	07/21/14	25,200	7.27	68.8	116	0.054	2.8	0.06
MP 161.8	09/24/14	10,700	12.6	94.4	132	0.049	3.49	<0.03
	11/20/14	24,400	5.41	70	104	0.044	2.95	0.05
Marietta	07/21/14	4,100	18	95.5	238	0.08	4.04	0.03
MP -0.8	09/24/14	1,600	11.3	117	240	0.083	4.5	<0.03
(Muskingum)	11/20/14	3,300	8	120	240	0.113	3.43	<0.03
Belleville	07/16/14	45,200	11.2	51.5	104	0.063	3.66	0.07
MP 203.9	09/24/14	12,800	3.14	94.8	158	0.045	3.62	0.07
	11/20/14	32,500	2	69.8	120	0.049	3.07	0.04

Winfield MP -31.1 (Kanawha)	07/08/14	No	6.33	65.8	108	0.067	2.53	0.03
	09/25/14	Flow	6	50.2	92.5	0.507	1.94	<0.03
	11/20/14	Available	4.2	48.2	80	0.03	2.07	0.05
R.C. Byrd MP 279.2	07/16/14	51,800	24.8	58.2	116	0.086	3.62	0.07
	09/24/14	17,100	7.69	81.2	130	0.045	3.21	<0.03
	11/20/14	51,900	4.67	57.5	100	0.058	2.62	0.04
Louisa MP -20.3 (Big Sandy)	07/08/14	1,100	8	239	296	0.025	2.01	<0.03
	09/25/14	1,400	8.29	204	288	0.058	1.87	<0.03
	11/21/14	6,500	18.8	132	168	0.034	2.92	<0.03
Greenup MP 341.0	07/09/14	34,300	10	55.2	124	0.188	3.67	<0.03
	09/24/14	21,600	5.67	89.6	140	0.057	3.07	0.04
	11/04/14	44,800	10.9	87	130	0.048	3.17	<0.03
Lucasville MP -15.0 (Scioto)	07/08/14	1,700	33.2	62.7	308	0.224	5.76	<0.03
	09/25/14	500	16	132	315	0.454	6.62	<0.03
	11/21/14	900	<1	110	264	0.437	5.77	<0.03
Meldahl MP 436.2	07/09/14	34,900	8	56.5	128	0.101	4.31	<0.03
	09/24/14	21,800	10.3	84.2	131	0.054	3.37	<0.03
	11/04/14	49,200	10.8	91.2	144	0.058	3.84	<0.03
Newtown MP -7.5 (Little Miami)	07/09/14	900	193	26.5	256	0.414	4.85	<0.03
	09/11/14	300	56	41	285	0.375	3.81	<0.03
	11/04/14	100	14.5	28.8	272	0.191	5.73	0.3
Covington MP -4.7 (Licking)	07/15/14	400	12	29	151	0.086	3.33	<0.03
	09/11/14	1,100	22	30.2	90	0.117	3.22	<0.03
	11/04/14	1,400	4	33.4	128	0.076	3.81	<0.03
Elizabethtown MP -5.2 (Great Miami)	07/09/14	No	63.6	48.5	320	0.217	5.24	<0.03
	09/11/14	Flow	41.3	58.4	322	0.299	3.92	<0.03
	11/04/14	Available	8.75	58.6	292	0.223	4.19	<0.03
Markland MP 531.5	07/08/14	45,500	19	57.5	132	0.11	4.13	<0.03
	09/10/14	39,300	7.43	82.2	158	0.075	3.07	<0.03
	11/24/14	96,300	4.4	89.8	140	0.143	2.47	<0.03
McAlpine MP 606.8	07/08/14	50,500	8	57.7	140	0.084	3.56	<0.03
	09/10/14	47,800	6.86	75.6	150	0.113	3.31	<0.03

	11/24/14	66,000	7.6	92.2	140	0.094	2.52	<0.03
Cannelton	07/23/14	43,700	5	61.7	155	0.071	3.55	<0.03
MP 720.7	09/17/14	41,100	7.2	71	150	0.132	3.72	0.04
	11/18/14	44,900	4.4	89.2	152	0.071	2.62	<0.03
Sebree	07/16/14	No	14.8	99.5	232	0.11	2.79	0.06
MP -41.3	09/18/14	Flow	12.7	61.4	175	0.082	3.82	0.04
(Green)	11/18/14	Available	12.8	33	140	0.04	2.85	<0.03
Newburgh	07/23/14	No	6.29	63.7	152	0.075	3.65	<0.03
MP 776.1	09/17/14	Flow	6	88.2	160	0.188	3.3	<0.03
	11/18/14	Available	2.75	84.2	148	0.061	2.9	<0.03
J.T. Myers	07/17/14	79,800	18.4	11.6	64	0.1	3.33	0.09
MP 846.0	09/16/14	74,600	7.67	102	173	0.084	3.25	<0.03
	11/19/14	65,300	4.69	76.8	140	0.119	2.64	<0.03
Route 62 Bridge	07/16/14	19,400	158	60.2	252	0.312	3.48	<0.03
MP -28.5	09/17/14	23,900	199	58.8	247	0.386	6.7	0.04
(Wabash)	11/19/14	11,300	12.3	67	292	0.105	4.18	<0.03
Smithland	07/17/14	78,000	5.2	72.3	188	0.069	2.92	0.11
MP 918.5	09/16/14	74,700	11.6	82.2	177	0.101	3.93	0.06
	11/19/14	64,600	1.4	78.5	164	0.052	2.82	<0.03
Pinkneyville	07/16/14	21,000	15.2	20.2	100	0.104	2.7	0.06
MP -16.0	09/18/14	16,000	10.3	21.8	77.5	0.092	2.71	0.08
(Cumberland)	11/18/14	25,000	7.75	22.8	112	0.07	2.26	<0.03
Paducah	07/16/14	36,000	9.6	67.8	152	0.068	2.61	0.04
MP -6.0	09/18/14	31,000	6.25	13.8	62.5	0.092	2.46	0.05
(Tennessee)	11/18/14	49,000	4.25	13.8	80	0.081	2.49	0.04
Lock & Dam 52	07/17/14	No	11.2	70.5	184	0.101	2.91	0.12
MP 938.9	09/17/14	Flow	11.7	69	154	0.193	3.58	0.04
	11/19/14	Available	8.6	77.5	164	0.071	2.79	<0.03

Nitrate/Nitrite-N (mg/L)	TKN (mg/L)	Chlorides (mg/L)	Phenolics (ug/L)	Cyanide (mg/L)
0.494	0.504	13	<5	
0.424	0.617	21.7	<5	
0.424	0.199	21.7	<5	
0.767	0.581	35	<5	
1.01	0.736	28	<5	
0.622	0.394	15	<5	<0.005
1.19	0.818	40	<5	
1.1	1.29	60	<5	
1.08	0.738	43.3	<5	<0.005
0.826	0.847	33.3	<5	
0.888	0.524	33	<5	
0.782	0.369	25	<5	<0.005
0.816	0.582	31.7	<5	
0.969	0.506	34.4	<5	
0.734	0.354	25	<5	<0.005
0.805	0.538	26.2	<5	
0.919	0.526	46.2	<5	
0.748	0.407	33.7	<5	<0.005
0.848	0.595	52	<5	
1.05	0.638	47.5	<5	
0.813	0.39	35	<5	<0.005
0.649	1.05	46	<5	
0.066	0.467	61.2	<5	
1.19	0.428	50	<5	<0.005
0.72	0.605	25	<5	
0.805	0.576	44	<5	
0.847	0.445	36.2	<5	<0.005

0.435	0.517	10	<5	
0.622	0.39	13.8	<5	
0.421	0.433	11.2	<5	
1.06	0.567	21	<5	
0.77	0.454	30	<5	
0.657	0.448	22.5	<5	<0.005
0.088	0.293	35.7	<5	
0.374	0.209	21	<5	
0.377	0.304	10	<5	
1.3	0.703	20	<5	
0.785	0.531	31	<5	
0.908	0.37	33.3	<5	
2.33	0.956	44	<5	
1.62	1.03	76	<5	
2	0.729	60	<5	<0.005
1.69	0.554	22.7	<5	
0.801	0.496	26.2	<5	
1.03	0.527	38.3	<5	
2.24	1.15	41	<5	
2.4	1.14	72.5	<5	
1.93	1.38	46	<5	
<0.05	0.644	14	<5	
0.203	0.577	6.66	<5	
0.373	0.368	12	<5	
1.8	1.37	55.7	<5	
1.56	1.26	65	<5	
1.91	0.571	46	<5	
1.48	0.68	25.3	<5	
0.932	0.636	33.3	<5	
0.822	0.467	30	<5	
1.77	0.382	25.8	<5	
1.04	0.691	27.1	<5	

0.842	0.479	32	<5
1.37	0.649	30	<5
1.21	0.54	26.7	<5
0.977	0.444	32.5	<5
1.02	1.09	17.8	<5
1.3	0.694	12.5	<5
0.894	0.448	11.7	<5
1.47	0.585	26	<5
1.14	0.687	30	<5
1.13	0.369	33.7	<5
0.053	0.601	24.4	<5
1	0.608	35	<5
1.05	0.418	30	<5
1.75	1.6	22.7	<5
2.45	1.61	25	<5
2.2	0.576	32.5	<5
1.47	0.715	30.7	<5
0.931	0.603	34	<5
1.22	0.39	28.7	<5
0.079	0.52	5.5	<5
0.183	0.611	10	<5
0.373	0.339	5	<5
1.35	0.624	11.4	<5
0.183	0.427	16.2	<5
0.42	0.302	12.5	<5
1.66	0.599	30	<5
0.795	0.684	28.7	<5
1.13	0.503	27.5	<5