Summary of U.S. Geological Survey (USGS) ground-water-quality studies by major river basins and analyte group (Antibiotics, Pesticides (Fungicides, Herbicides, Insecticides), Major Ions, Minor and Trace Elements, Nutrients, Pharmaceuticals, Radiochemicals, Volatile Organic Compounds, Water Characteristics) in Pennsylvania (data last modified September 2007)
[MCL, U.S. Environmental Protection Agency Maximum Contaminant Level; SMCL, U.S. Environmental Protection Agency Secondary Maximum Contaminant Level; -, no data available]

PADEP Watershed	Sites	Antibiotics		Fungicides		Herbicides		Insecticides	
		Number of Samples	Number of samples with concentration exceeding MCL	Number of Samples	Number of samples with concentration exceeding MCL	Number of Samples	Number of samples with concentration exceeding MCL	Number of Samples	Number of samples with concentration exceeding MCL
Ohio and St. Lawrence River Basins									
27	205	-	-	9	0	9	0	5	0
28	11	-	-	8	0	7	0	4	0
29	75	-	-	6	0	4	0	3	0
30	84	-	-	-	-	-	-	-	-
31	135	-	-	14	0	12	0	5	0
32	6	-	-	2	0	2	0	1	0
33	23	-	-	12	0	12	0	7	0
34	26	-	-	6	0	9	0	6	0
35	244	-	-	24	0	77	0	24	0
Delaware River Basin									
9	0	-	-	-	-	-	-	-	-
10	80	-	-	6	0	6	0	6	0
11	5	-	-	3	0	3	0	3	0
12	20	-	-	11	0	11	1	11	0
13	28	-	-	21	0	29	1	31	0
14	36	-	-	6	0	5	0	5	0
15	109	-	-	25	0	5	0	5	0
16	53	4	0	39	0	44	2	38	0
17	200	-	-	51	0	57	0	66	0
18	58	-	-	20	0	19	2	18	0
19	144	-	-	60	0	46	0	51	0
20	91	-	-	7	0	7	0	15	0
21	456	-	-	195	0	195	2	252	1
22	101	-	-	47	0	1	0	1	0
Lower Susquehanna River Basin									
23	926	8	0	440	0	577	4	545	3
24	302	4	0	83	0	90	1	90	0
26	266	4	0	44	0	85	2	79	0
Upper Susquehanna River Basin									
1	114	-	-	10	0	21	0	21	0
2	44	-	-	-	-	-	-	-	-
3	52	-	-	-	-	1	0	1	0
4	90	-	-	3	0	5	0	5	0
5	10	4	0	2	0	9	0	9	0
6	193	-	-	5	0	5	0	5	0
7	100	-	-	-	-	1	0	-	-
8	71	-	-	-	-	-	-	-	-
Potomac River Basin									
25	68	-	-	56	0	77	1	53	0

PADEP Watershed	Sites	Major Ions		Microorganisms		Minor and Trace Elements		Nutrients	
		Number of Samples	Number of samples with concentration exceeding MCL	Number of Samples	Number of samples with concentration exceeding MCL	Number of Samples	Number of samples with concentration exceeding MCL	Number of Samples	Number of samples with concentration exceeding MCL
Ohio and St. Lawrence River Basins									
27	205	219	149	-	-	219	198	218	1
28	11	10	8	-	-	10	2	9	1
29	75	77	63	1	1	26	13	48	0
30	84	86	55	-	-	21	13	32	0
31	135	144	96	-	-	144	86	144	0
32	6	4	3	-	-	3	2	4	0
33	23	36	29	-	-	36	22	36	0
34	26	27	9	-	-	26	9	19	0
35	244	269	96	18	7	76	21	100	4
Delaware River Basin									
9	0	-	-	-	-	-	-	-	-
10	80	86	23	6	1	79	2	84	0
11	5	4	0	3	0	4	0	4	0
12	20	21	7	11	2	17	4	14	0
13	28	15	2	16	9	11	2	23	1
14	36	48	6	-	-	48	1	48	0
15	109	230	126	1	1	221	19	214	0
16	53	37	6	20	11	29	4	31	0
17	200	325	59	39	17	168	16	285	4
18	58	53	12	19	9	50	15	49	0
19	144	230	72	3	1	165	37	190	2
20	91	97	22	7	3	61	3	81	0
21	456	752	143	35	8	580	75	901	94
22	101	115	70	-	-	115	59	113	2
Lower Susquehanna River Basin									
23	926	1127	236	918	683	436	167	3439	516
24	302	229	68	126	87	187	79	285	19
26	266	272	110	69	54	225	101	299	26
Upper Susquehanna River Basin									
1	114	110	23	25	20	105	63	121	5
2	44	47	25	-	-	47	37	46	0
3	52	55	25	1	0	64	51	56	0
4	90	89	44	5	4	25	7	93	2
5	10	4	2	10	4	17	2	12	0
6	193	199	130	8	6	286	152	204	1
7	100	98	39	1	0	113	76	99	1
8	71	75	45	-	-	32	16	75	1
Potomac River Basin									
25	68	79	9	14	6	16	3	112	0

PADEP Watershed	Sites	Pharmaceuticals		Radiochemicals		Volatiles		Wastewater	
		Number of Samples	Number of samples with concentration exceeding MCL	Number of Samples	Number of samples with concentration exceeding MCL	Number of Samples	Number of samples with concentration exceeding MCL	Number of Samples	Number of samples with concentration exceeding MCL
Ohio and St. Lawrence River Basins									
27	205	-	-	9	0	11	0	-	-
28	11	-	-	8	0	9	0	-	-
29	75	-	-	35	0	6	1	-	-
30	84	-	-	8	0	7	0	-	-
31	135	-	-	59	0	41	0	-	-
32	6	-	-	2	0	4	0	-	-
33	23	-	-	13	0	13	0	-	-
34	26	-	-	6	0	11	0	-	-
35	244	-	-	9	0	73	0	-	-
Delaware River Basin									
9	0	-	-	-	-	-	-	-	-
10	80	-	-	13	0	5	0	5	-
11	5	-	-	3	0	4	0	3	-
12	20	-	-	12	0	11	0	10	-
13	28	-	-	7	0	14	0	5	-
14	36	1	0	48	0	6	0	1	-
15	109	-	-	83	4	38	5	-	-
16	53	4	0	10	0	23	0	10	-
17	200	1	0	169	16	90	11	26	-
18	58	2	0	36	1	21	1	2	-
19	144	-	-	87	19	149	39	23	-
20	91	-	-	27	0	58	8	10	-
21	456	-	-	418	33	358	55	36	-
22	101	-	-	38	0	118	50	-	-
Lower Susquehanna River Basin									
23	926	8	0	355	42	117	5	71	-
24	302	4	0	104	13	49	3	62	-
26	266	4	0	28	0	20	1	34	-
Upper Susquehanna River Basin									
1	114	-	-	9	0	5	0	9	-
2	44	-	-	-	-	-	-	-	-
3	52	-	-	-	-	-	-	-	-
4	90	-	-	27	0	11	0	3	-
5	10	4	0	1	0	3	0	-	-
6	193	-	-	-	-	1	0	-	-
7	100	-	-	-	-	1	0	-	-
8	71	-	-	34	0	8	0	-	-
25	68	-	-	13	0	46	2	10	-

PADEP Watershed	Sites	Water characteristics (Field measurements)	
		Number of Samples	Number of samples with concentration exceeding MCL
Ohio and St. Lawrence River Basins			
27	205	210	42
28	11	11	3
29	75	77	15
30	84	93	16
31	135	139	21
32	6	6	2
33	23	36	6
34	26	29	1
35	244	291	13
Delaware River Basin			
9	0	-	-
10	80	91	32
11	5	5	4
12	20	21	17
13	28	36	14
14	36	49	12
15	109	243	121
16	53	65	15
17	200	342	194
18	58	73	17
19	144	239	82
20	91	111	91
21	456	1002	587
22	101	120	60
Lower Susquehanna River Basin			
23	926	3508	409
24	302	394	140
26	266	313	27
Upper Susquehanna River Basin			
1	114	125	4
2	44	43	14
3	52	56	1
4	90	94	8
5	10	20	3
6	193	322	21
7	100	100	0
8	71	75	11
Potomac River Basin			
25	68	132	18