

Detailed Compilation of ORSANCO PCS vs USEPA and Mainstem States Water Quality Standards

Human Health (Water and Organism)

Test	Pollutants between	Shared Pollutants	Identical Criterion	Different Criteria
ORSANCO vs USEPA	125	52	7	45
ORSANCO vs Illinois	65	40	3	37
ORSANCO vs Indiana	88	34	0	34
ORSANCO vs Kentucky	110	52	7	45
ORSANCO vs Ohio	109	52	0	52
ORSANCO vs Pennsylvania	115	51	47	4
ORSANCO vs West Virginia	104	39	13	26

Human Health (Water Only)

Test	Pollutants between	Shared Pollutants	Identical Criterion	Different Criteria
ORSANCO vs USEPA*	123	42	2	40
ORSANCO vs Illinois	72	10	0	10
ORSANCO vs Indiana	110	26	3	23
ORSANCO vs Kentucky	130	47	44	3
ORSANCO vs Ohio	155	47	7	40
ORSANCO vs Pennsylvania**	54	0	0	0
ORSANCO vs West Virginia*	98	29	1	28

* USEPA and West Virginia are "Organism Only"

** Pennsylvania does not have two types of human health criteria

Aquatic Life Chronic

Test	Pollutants between	Shared Pollutants	Identical Criterion	Different Criteria
ORSANCO vs USEPA	48	12	5	7
ORSANCO vs Illinois	221	0	0	0
ORSANCO vs Indiana	30	9	1	8
ORSANCO vs Kentucky	39	11	4	7
ORSANCO vs Ohio	14	0	0	0
ORSANCO vs Pennsylvania	108	11	4	7
ORSANCO vs West Virginia	32	11	5	6

Aquatic Life Acute

Test	Pollutants between	Shared Pollutants	Identical Criterion	Different Criteria
ORSANCO vs USEPA	38	11	3	8
ORSANCO vs Illinois	222	0	0	0
ORSANCO vs Indiana	32	9	0	9
ORSANCO vs Kentucky	34	11	3	8
ORSANCO vs Ohio	13	0	0	0
ORSANCO vs Pennsylvania	108	11	3	8
ORSANCO vs West Virginia	34	12	4	8

Notes:

1. Ohio Aquatic Life Criteria not available
2. Narrative Criteria (33 of 2314 total standards) not yet analyzed

Number of Criteria of Each Type

State	Agency	AL Acute	AL Chronic	HH Water and Organism	HH Water only	Organism only	Other, Organoleptic	Total
ORSANCO	ORSANCO	14	14	57	54		4	143
USEPA	USEPA	43	46	121		111	12	333
Illinois	ILEPA	215	213	50	29			507
Indiana	IDEM	28	26	65	82			201
Kentucky	KYDEP	32	36	105	123			296
Ohio	OH EPA			104	148			252
Pennsylvania	PADEP	106	105	109				320
West Virginia	WVDEP	40	32	92		78	20	262
								2314

Number of Pollutants Regulated

Agency	CAS#
ORSANCO	122
USEPA	154
ILEPA	238
IDEM	90
KYDEP	137
OH EPA	149
PADEP	140
WVDEP	95

Unassessed Pollutants

Pollutant	# of Agencies	Reason
Aesthetic Qualities	1	Narrative or seasonally various
Ammonia	3	Narrative or seasonally various
Bacteria	1	Narrative or seasonally various
Boron	1	Narrative or seasonally various
Color	1	Narrative or seasonally various
diethylphthalate	2	"NT"
Gases, Total Dissolved	1	Narrative or seasonally various
Hardness	1	Narrative or seasonally various
Nitrosamines	1	Narrative or seasonally various
Nutrients	1	Narrative or seasonally various
Oil and Grease	1	Narrative or seasonally various
Oxygen, Dissolved	1	Narrative or seasonally various
Pathogen and Indicators	2	Narrative or seasonally various
pH	2	Narrative or seasonally various
Solids Dissolved/Salinity	1	Narrative or seasonally various
Solids Suspended/Turbidity	1	Narrative or seasonally various
Tainting Substances	1	Narrative or seasonally various
Temperature	5	Narrative or seasonally various
Turbidity	6	Narrative or seasonally various

Detailed Compilation of Human Health Criteria for Water and Organism (Numeric Criteria Only in ug/L)

PrimaryPollutantName	CAS#	ORSANCO	USEPA	Illinois	Indiana	Kentucky	Ohio	Pennsylvania	West Virginia
1,1,2,2-Tetrachloroethane	79345	0.17	0.2	3.2	107	4	110	0.17	0.17
1,1,2-Trichloroethane	79005	0.59	0.55	12	418	16	420	0.59	
1,2-Dichloroethane	107062	0.38	9.9	230	2430	37	990	0.38	0.035
1,2-Dichloropropane	78875	0.5	0.9			15	390		
1,2-Diphenylhydrazine	122667	0.036	0.03	0.17	5.6	0.2	5.4	0.036	
1,3-Dichloropropene	542756	0.34	0.27		14100	21	1700	0.34	
2,3,7,8-TCDD (Dioxin)	1746016	0.000000005	0.000000005	4.6E-12	0.0000001	5.1E-09	0.00000014	0.000000005	0.000000013
2,4,6-Trichlorophenol	88062	1.4	1.5	2.1	36	2.4	65	1.4	2.1
2,4-Dinitrotoluene	121142	0.11	0.049		91	3.4	91	0.05	0.11
3,3-Dichlorobenzidine	91941	0.021	0.049	25	0.2	0.028	0.77	0.021	
4,4'-DDD	72548	0.00031	0.00012	0.27		0.00031	0.0084	0.00031	
4,4'-DDE	72559	0.00022	0.00018	0.19		0.00022	0.0059	0.00022	
4,4'-DDT	50293	0.00022	0.00003	0.19	0.00024	0.00022	0.0059	0.00022	0.000024
Acrylonitrile	107131	0.051	0.061	0.21	6.5	0.25	6.6	0.051	0.059
Aldrin	309002	0.000049	0.00000077	0.046	0.00079	0.00005	0.0014	0.000049	0.000071
alpha-BHC	319846	0.0026	0.00036	0.0042	0.31	0.0049	0.13	0.0026	0.0039
Benzene	71432	2.2	0.58		400	51	710	1.2	0.66
Benzidine	92875	0.000086	0.00014	0.17	0.0053	0.0002	0.0054	0.000086	
Benzo(a) Anthracene	56553	0.0038	0.0012	0.16		0.018	0.49	0.0038	0.0038
Benzo(a) Pyrene	50328	0.0038	0.00012	0.016		0.018	0.49	0.0038	0.0038
Benzo(b) Fluoranthene	205992	0.0038	0.0012	0.16		0.018	0.49	0.0038	0.0038
Benzo(k) Fluoranthene	207089	0.0038	0.012	1.6		0.018	0.49	0.0038	0.0038
beta-BHC	319857	0.0091	0.008	15	0.55	0.017	0.46	0.0091	0.014
Bis(2-Chloroethyl) Ether	111444	0.03	0.03	0.42	13.6	0.53	14	0.03	
Bis(2-Ethylhexyl)Phthalate	117817	1.2	0.32	1.9	50000	2.2	59	1.2	
Bromoform	75252	4.3	7	50		140	3600	4.3	4.3
Chlordane	57749	0.0008	0.00031	0.00072	0.0048	0.00081	0.022	0.0008	0.46
Chlorodibromomethane	124481	0.4	0.8	0.4		13	340	0.4	
Chloroform	67663	5.7	60	130	157	470	4700	5.7	5.7
combined radium-226 and radium 228	7440144	4							5
Dibenzo(a,h) Anthracene	53703	0.0038	0.00012	0.016		0.018	0.49	0.0038	0.0038
Dichlorobromomethane	75274	0.55	0.95	0.54		17	460	0.55	0.55
Dieldrin	60571	0.000052	0.0000012	0.000046	0.00076	0.000054	0.0014	0.000052	0.00071
gross total alpha	12587461	15							3
Heptachlor	76448	0.000079	0.0000059	0.000068	0.0028	0.000079	0.0021	0.000079	0.00021
Heptachlor Epoxide	1024573	0.000039	0.000032	0.000036		0.000039	0.0011	0.000039	
Hexachlorobenzene	118741	0.00028	0.000079	0.00025	0.0074	0.00029	0.0077	0.00028	0.00072
Hexachlorobutadiene	87683	0.44	0.01		500	18	500	0.44	
Hexachloroethane	67721	1.4	0.1	2.9	87.4	3.3	89	1.4	
Ideno(1,2,3-cd) Pyrene	193395	0.0038	0.0012	0.16		0.018	0.49	0.0038	0.0038

Detailed Compilation of Human Health Criteria for Water and Organism (Numeric Criteria Only in ug/L)

PrimaryPollutantName	CAS#	ORSANCO	USEPA	Illinois	Indiana	Kentucky	Ohio	Pennsylvania	West Virginia
Isophorone	78591	35	34	760	520000	960	26000	35	
N-Nitrosodimethylamine	62759	0.00069	0.00069		160	3	81	0.00069	
N-Nitrosodi-n-Propylamine	621647	0.005	0.005			0.51	14	0.005	
N-Nitrosodiphenylamine	86306	3.3	3.3		161	6	160	3.3	
Pentachlorophenol	87865	0.27	0.03	2.5		3	82	0.27	0.28
Phenol	108952	21000	4000			860000	4600000	10400	21000
Polychlorinated Biphenyls	PCBs	0.000064	0.000064		0.00079	0.000064	0.0017	0.000064	0.000044
Selenium	7782492	170	170			4200	11000		50
Silver	7440224	0.05							12
Tetrachloroethylene	127184	0.69	10		88.5	3.3	89	0.69	0.8
total gross beta	12587472	50							1000
total gross strontium-90	7440246	8						4000	10
Toxaphene	8001352	0.00028	0.0007	0.00024	0.0073	0.00028	0.0075	0.00028	0.00073
Trichloroethylene	79016	2.5	0.6	2.5	807	30	810	2.5	2.7
Vinyl Chloride	75014	0.025	0.022	0.25	5246	2.4	5300	0.025	2

Detailed Compilation of Human Health Criteria for Water Only (Numeric Criteria Only in ug/L)

PrimaryPollutantName	CAS#	ORSANCO	USEPA*	Illinois	Indiana	Kentucky	Ohio	Pennsylvania**	West Virginia*
1,1-Dichloroethylene	75354	330	20000		0.33	330	0.57		3.2
1,2,4-Trichlorobenzene	120821	35	0.076			35	70		
1,2-Dichlorobenzene	95501	420	3000		400	420	600		17000
1,2-Trans-Dichloroethylene	156605	140	4000	34000		140	100		
1,3-Dichlorobenzene	541731	320	10			320	400		2600
1,4-Dichlorobenzene	106467	63	900			63	75		2600
2,4-Dichlorophenol	120832	77	60		3090	77	93		790
2,4-Dimethylphenol	105679	380	3000			380	540		2300
2,4-Dinitrophenol	51285	69	300		70	69			14000
2-Chloronaphthalene	91587	1000	1000			1000	1700		1600
2-Chlorophenol	95578	81	800			81	120		400
2-Methyl-4,6-Dinitrophenol	534521	13	30		13.4	13	13		765
Acenaphthene	83329	670	90			670	1200		990
Acrolein	107028	190	400		320	190	320		
alpha-Endosulfan	959988	62	30			62	110		
Ammonia	7664417	1							
Anthracene	120127	8300	400	35000		8300	9600		40000
Antimony	7440360	5.6	640	12000	146	5.6	6		4300
Arsenic	7440382	0.01	0.14			10	10		10
Asbestos	1332214	7			300000	7	7		
Barium	7440393	1000			1000	1000	2000		
beta-Endosulfan	33213659	62	40			62	110		
Bis(2-Chloro-1-methylethyl) Ether	108601	1400	4000			1400	1400		
Butylbenzyl Phthalate	85687	1500	0.1	1700		1500	3000		
Chlorobenzene	108907	130	800	4500	488	130	100		21000
Chrysene	218019	0.0038	0.13			0.0038	0.044		0.018
Copper	7440508	1300				1300			
Cyanide	74908	140			200		200		
Diethyl Phthalate	84662	17000	600		350000	17000	23000		
Dimethyl Phthalate	131113	270000	2000		313000	270000	310000		
Di-n-Butyl Phthalate	84742	2000	30		34000	2000	2700		
E. Coli	E.Coli	130							
Endosulfan Sulfate	1031078	62	40			62	110		
Endrin	72208	0.059	0.03		1	0.059	0.76		0.0023
Endrin Aldehyde	7421934	0.29	1			0.29	0.76		
Ethylbenzene	100414	530	130		1400	530	700		29000
Fecal Coliform	Fecal Coliform	2000							2000
Fluoranthene	206440	130	20	120	42	130	300		370
Fluorene	86737	1100	70	4500		1100	1300		5300
Fluoride	16984488	1000				4000	4000		

Detailed Compilation of Human Health Criteria for Water Only (Numeric Criteria Only in ug/L)

PrimaryPollutantName	CAS#	ORSANCO	USEPA*	Illinois	Indiana	Kentucky	Ohio	Pennsylvania**	West Virginia*
gamma-Hexachlorocyclohexane (HCH) [Lindane]	58899	0.98	4.4		0.19	0.98	0.19		0.063
Hexachlorocyclopentadiene	77474	40	4		206	40	50		
Mercury	7439976	0.000012			0.14	2	0.012		0.15
Methyl Bromide	74839	47	10000			47	48		1500
Methylmercury	22967926	0.3	0.3						0.5
Nickel	7440020	610	4600		13.4	610	610		4600
Nitrite Nitrate Nitrogen	14797558	10000			10000	10000	10000		
Nitrite Nitrogen	14797650	1000			1000		1000		
Nitrobenzene	98953	17	600	530	19800	17	17		
Pyrene	129000	830	30	3500		830	960		4000
Temperature	Temperature	110							
Thallium	7440280	0.24	0.47	1.2	13	0.24	1.7		6.3
Toluene	108883	1300	520		14300	1300	1000		200000
Zinc	7440666	7400	26000			7400	9100		

* USEPA and West Virginia are "Organism Only"; ** Pennsylvania does not have two types of human health criteria

Detailed Compilation of Chronic Aquatic Life Criteria (Numeric Criteria Only in ug/L)

PrimaryPollutantName	CAS#	ORSANCO	USEPA	Illinois	Indiana	Kentucky	Ohio	Pennsylvania	West Virginia
Ammonia	7664417	2.18							
Arsenic	7440382	150	150			150		150	150
Cadmium	7440439	0.25	0.25		1	0.89		0.25	0.89
Chromium (III)	16065831	74.1	74		180	74		74	74
Chromium (VI)	18540299	10.582	11		11	11		10	11
Copper	7440508	8.96	1.45		11	8.96		9	8.96
Cyanide	57125	5.2	5.2			5.2		5.2	5
Dissolved Oxygen	7782447	5							
Lead	7439921	2.52	2.5		2.52	2.52		2.5	2.52
Mercury	7439976	0.774	0.77		0.012	0.77		0.77	
Nickel	7440020	52	52		160	470		52	470
pH	pH	6	6.5						6
Selenium	7782492	5	5		35	11		4.6	5
Zinc	7440666	118	120		100	120		120	117

Detailed Compilation of Acute Aquatic Life Criteria (Numeric Criteria Only in ug/L)

PrimaryPollutantName	CAS#	ORSANCO	USEPA	Illinois	Indiana	Kentucky	Ohio	Pennsylvania	West Virginia
1-(2-aminoethyl)piperazine	140318			220					
1,1,1-Trichloroethane	71556			4900				3000	
1,1,2,2-Tetrachloroethane	79345			1800				1000	
1,1,2-Trichloroethane	79005			19				3400	
1,1-dichloroethane	75343			20					
1,1-Dichloroethylene	75354			3000				7500	
1,1-dichloropropylene	563586			530					
1,2,3-trichlorobenzene	87616			35					
1,2,4,5-Tetrachlorobenzene	95943			160					
1,2,4-Trichlorobenzene	120821			370				130	
1,2,4-TRIMETHYLBENZENE	95636			360					
1,2-dibromo-3-chloropropane	96128			2.4					
1,2-Dichlorobenzene	95501			210				820	
1,2-Dichloroethane	107062			25000				15000	
1,2-dichloroethylene	540590			14					
1,2-Dichloropropane	78875			4.8				11000	
1,2-Diphenylhydrazine	122667			25				15	
1,2-Trans-Dichloroethylene	156605							6800	
1,3,5-trichlorobenzene	108703			330					
1,3,5-trimethyl benzene	108678			140					
1,3,5-trinitrobenzene	99354			38					
1,3-Dichlorobenzene	541731			500				350	
1,3-Dichloropropene	542756			99				310	
1,3-dinitrobenzene	99650			140					
1,4-Dichlorobenzene	106467			1.8				730	
1-chloro-2-nitrobenzene	88733			880					
1-phenyl-3-pyrazolidinone	92433			320					
2,2-dichloropropane	540207			1.9					
2,4,6-Trichlorophenol	88062			41				460	
2,4,6-trinitrophenol	88891			8.8					
2,4,6-trinitrotoluene	118968			930					
2,4-Dichlorophenol	120832			630				1700	
2,4-Dimethylphenol	105679			740				660	
2,4-Dinitrophenol	51285			85				660	
2,4-Dinitrotoluene	121142			5000				1600	
2,6-dinitrotoluene	606202			1900				990	
2-amino-4,6-dinitrophenol	96913			4.6					
2-amino-4,6-dinitrotoluene	35572782			98					
2-chloroaniline	95512			75					
2-chloroethylvinyl ether	110758			35				18000	
2-Chloronaphthalene	91587			370					

Detailed Compilation of Acute Aquatic Life Criteria (Numeric Criteria Only in ug/L)

PrimaryPollutantName	CAS#	ORSANCO	USEPA	Illinois	Indiana	Kentucky	Ohio	Pennsylvania	West Virginia
2-Chlorophenol	95578			510				560	
2-chlorotoluene	95498			670					
2-ethylhexyl glycidyl ether	2461156			1400					
2-hexanone	591786			12				21000	
2-methyl-1-propanol	78831			430					
2-Methyl-4,6-Dinitrophenol	534521			29				80	
2-methylphenol	95487			4.7					
2-nitroaniline	88744			2					
2-nitrophenol	88755			6.7				8000	
2-nitrotoluene	88722			770					
2-PROPANOL	67630							440000	
3-methyl phenol	108394			1.6					
3-Methyl-4-Chlorophenol	59507			310				160	
4,4'-DDD	72548							1.1	
4,4'-DDE	72559							1.1	
4,4'-DDT	50293		1.1	1.1	0.55	1.1		1.1	1.1
4-amino-2,6-dinitrotoluene	19406510			180					
4-BROMOPHENYL PHENYL ETHER	101553			36				270	
4-chloro-2-(phenylmethyl) phenol	120321			33					
4-chloro-2,6-dinitrophenol	88879			3.5					
4-chloroaniline	106478			2.4					
4-hydroxy-4-methyl-2-pentanone	123422			42					
4-methyl-2-pentanol	108112			9					
4-methyl-2-pentanone	108101			46				26000	
4-methylphenol	106445			670				800	
4-nitroaniline	100016			1.5					
4-nitrophenol	100027			3.2				2300	
Acenaphthene	83329			120				83	
acenaphthylene	208968			190					
acetochlor	34256821			150					
ACETONE	67641			1.5				450000	
acetonitrile	75058			380000					
Acrolein	107028		3	2.7		3		3	
ACRYLAMIDE	79061			30					
Acrylonitrile	107131			910				650	
Alachlor	15972608			1100					
Aldrin	309002		3	3	1.5	3		3	0.003
alpha-BHC	319846			31					
alpha-Endosulfan	959988		0.22	30.8		0.22		0.22	
Aluminum pH 6.5 – 9.0	7429905		750					750	750
Ammonia	7664417	36.1							

Detailed Compilation of Acute Aquatic Life Criteria (Numeric Criteria Only in ug/L)

PrimaryPollutantName	CAS#	ORSANCO	USEPA	Illinois	Indiana	Kentucky	Ohio	Pennsylvania	West Virginia
aniline	62533			120					
Anthracene	120127			0.66					
Antimony	7440360			1200				1100	
Antimycin A	1397940			0.02					
Arsenic	7440382	340	340			340		340	340
Arsenic (III)	1327533				360				
Atrazine	1912249			82					
Barium	7440393							21000	
benzaldehyde	100527			180					
Benzene	71432							640	
benzene (2-bromo-2-nitroethenyl)	7166190			1.1					
BENZENE METADISULFONIC ACID	98486							2600000	
BENZENE MONOSULFONIC ACID	98113							2000000	
Benzidine	92875							300	
Benzo(a) Anthracene	56553							0.5	
benzoic acid	65850			18					
benzyl alcohol	100516			1000					
Beryllium	7440417								130
beta-Endosulfan	33213659		0.22	30.8		0.22		0.22	
Bis(2-Chloroethyl) Ether	111444			24				30000	
Bis(2-Ethylhexyl)Phthalate	117817			76				4500	
bisphenol A	80057			470					
BORON	7440428							8100	
bromacil	314409			18					
Bromoform	75252							1800	
butylate	2008415			550					
Butylbenzyl Phthalate	85687			170				140	
butylphenol, t-	98544			390					
butyraldehyde	123728			1800					
Cadmium	7440439	2.01	2		3.7	2		2	2
Carbaryl	63252		2.1						
carbazole	86748			93					
Carbofuran	1563662			4.1					
carbon disulfide	75150			0.2					
Carbon Tetrachloride	56235			3.5				2800	
Chlordane	57749		2.4	2.4	1.2	2.4		2.4	2400
Chloride	16887006		860000		555	1200000			860
Chlorine	7782505		19		19				19
Chlorobenzene	108907			990				1200	
chloroethane	75003			13					
Chloroform	67663			1900				1900	

Detailed Compilation of Acute Aquatic Life Criteria (Numeric Criteria Only in ug/L)

PrimaryPollutantName	CAS#	ORSANCO	USEPA	Illinois	Indiana	Kentucky	Ohio	Pennsylvania	West Virginia
chloromethane	74873			16				28000	
Chlorophenoxy Herbicide (2,4-D)	94757			100					
Chloropyrifos	2921882		0.083	0.11	0.083	0.083			
Chromium (III)	16065831	570	570		550	570		570	570
Chromium (VI)	18540299	15.712	16		16	16		16	16
COBALT	7440484							95	
combined radium-226 and radium 228	7440144								5
Copper	7440508	13.4	2.337		17	13		13	13
cyanazine	21725452			370					
Cyanide	57125	22	22			22		22	22
Cyanide	74908				22				
cyclohexylamine	108918			6.1					
Diazinon	333415		0.17	0.05		0.17		0.17	
dibenzofuran	132649			190					
dicamba	1918009			1500					
Dichlorobromomethane	75274			10					
Dieldrin	60571		0.24	0.24	1.3	0.24		0.24	2.5
Diethyl Phthalate	84662			3.2				4000	
diethylaminoethanol	100378			140					
Dimethyl Phthalate	131113			3.3				2500	
dimethylformamide, N,N-	68122			1500					
Di-n-Butyl Phthalate	84742			170				110	
dioctylphthalate	117840								
dioxane	123911			440					
diquat	85007			990					
Dissolved Oxygen	7782447	4							5
EDTA	64028			100					
Endosulfan	115297				0.11				
Endosulfan Sulfate	1031078			30.8					
endothall	145733			10					
Endrin	72208		0.086	0.16	0.09	0.086		0.086	0.18
ethalfuralin	55283686			3.2					
ethane,1,1'-oxybis 2-methoxy	111966			340					
ethanolamine	141435			5.5					
ethyl alcohol	64175			1.1					
ethyl mercaptan	75081			17					
Ethylbenzene	100414							2900	
ethylene glycol	107211			1.6					
ethylene glycol dimethyl ether	110714			260					
ethylene thiourea	96457			2.6					
Fluoranthene	206440			4.3				200	

Detailed Compilation of Acute Aquatic Life Criteria (Numeric Criteria Only in ug/L)

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Fluorene	86737			59					
Fluoride	16984488				1000				
fonofos	944229			0.66					
formaldehyde	50000			4.9				2200	
furfural	98011			1.3					
furfuryl alcohol	98000			20					
gamma-Hexachlorocyclohexane (HCH) [Lindane]	58899		0.95	0.95	1	0.95		0.95	2
glyphosate	1071836			1.5					
gross total alpha	12587461								15
Heptachlor	76448		0.52	0.52	0.26	0.52		0.52	0.52
Heptachlor Epoxide	1024573		0.52	0.52		0.52		0.5	
heptane	142825			8.3					
Hexachlorobutadiene	87683			35				10	
Hexachlorocyclohexane (HCH) -Technical	608731			5					
Hexachlorocyclopentadiene	77474			1				5	
Hexachloroethane	67721			380				60	
HMX	2691410			3.2					
hyamine 3500	8001545			10					
hydrazine	302012			19					
hydroquinone	123319			10					
indene	95136			1.4					
iodine	7553562			61					
I-PROPANOL	71238							230000	
Iron	7439896					4000			
isodrin	465736			1					
Isophorone	78591			12000				10000	
isopropyl acetate	108214			200					
Lead	7439921	64.6	65		65	65		65	65
Malathion	121755			0.4					
Mercury	7439976	1.45	1.4		2.4	1.4		1.4	2.4
methanol	67561			5.5					
Methoxychlor	72435		0	0.25					
methoxyethanol, 2-	109864			800					
methyl acrylate	96333			500					
Methyl Bromide	74839							550	
methyl ethyl ketone	78933			320				230000	
methyl methacrylate	80626			19					
methyl naphthalene	1321944			150					
methyl tert butyl ether	1634044			67					
methylene bis (thiocyanate)	6317186			7					

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Methylene Chloride	75092			10.8				12000	
Methylmercury	22967926		0						
metolachlor	51218452			380					
metribuzin	21087649			8400					
morpholine	110718			11					
naphthalene	91203			510				140	
n-butylbenzene	104518			39					
n-hexane	110543			250					
Nickel	7440020	469	470		1400	470		470	470
Nitrite Nitrogen	14797650								1000
Nitrobenzene	98953			15000				4000	
Nitrosamines	Nitrosamines								
N-methylpyrrolidone	872504			680					
N-Nitrosodimethylamine	62759							17000	
N-Nitrosodiphenylamine	86306							300	
NONYLPHENOL	104405							28	
Nonylphenol	1044051					28			
nonylphenol	25154523			5					
Nonylphenol	84852153		28						
n-propylbenzene	103651			130					
o-phenyl phenol	90437			230					
p-isopropyltoluene	99876			85					
Parathion	56382		0.065	65	0.065	0.065			
Pathogen and Pathogen Indicators	Pathogen and Pathogen Indicators								
pendimethalin	40487421			350					
Pentachlorobenzene	608935			25					
Pentachlorophenol	87865		19	20	5.3	5.3		5.3	5.3
pentane	109660			130					
permethrin	52645531			0.15					
pH	pH								6
phenanthrene	85018			46				5	
P-PHENOL SULFONIC ACID	98679							3500000	
p-phenyl phenol	92693			230					
propylene	115071			4					
propylene glycol	57556			71					
RDX	121824			2					
RESORCINOL	1084603							28000	
rotenone	83794			4.5					
sec-butylbenzene	135988			82					
Selenium	7782492		3.1		130	2589			20

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PrimaryPollutantName	CAS#	ORSANCO	USEPA	Illinois	Indiana	Kentucky	Ohio	Pennsylvania	West Virginia
Silver	7440224	3.22	3.2		1.7	3.2		3.2	3.2
simazine	123349			1					
sodium azide	266228			70					
sodium molybdate	7631950			6.6					
Solids Dissolved and Salinity	TDS								
styrene	100425			2.5					
Sulfate	18785723				1164				
Temperature	Temperature								
terbufos	13071799			0.024					
tert -butylbenzene	98066			96					
Tetrachloroethylene	127184			1.2				700	
tetrahydrofuran	109999			220					
Thallium	7440280			86				65	
Toluene	108883							1700	
toluene diisocyanate	584849			16					
total gross beta	12587472								1000
total gross strontium-90	7440246								8
Toxaphene	8001352		0.73	0.73	0.73	0.73		0.73	0.73
Tributyltin (TBT)	688733		0.46			0.46			
trichlorfon	52686			0.1					
Trichloroethylene	79016			12				2300	
trichlorophenols	25167822			120					
trifluralin	1582098			26					
tritium	10028178								20000
uranine	518478			230					
VANADIUM	7440622							510	
vinyl acetate	108054			1800					
Vinyl Chloride	75014			8.4					
XYLENE	1330207							1100	
Zinc	7440666	117	120		110	120		120	117