

Patoka Lake Regional Water District

WATER QUALITY DATA 2017

Inorganic Contaminants(2017)

	MCL MG/L	D.L. MG/L	RESULT MG/L		<u>Definitions</u>
Antimony	0.006	0.001	BDL	"MCL"	means maximum contaminant level
Arsenic	0.01	0.001	BDL	"BDL"	means below detectable limit
Barium	2	0.002	0.03	"pCi/L"	means picocuries per liter
Beryllium	0.004	0.0003	BDL	"D.L."	means detectable limit
Cadmium	0.005	0.001	BDL		
Chromium	0.1	0.0009	BDL		
Cyanide, Free	0.2	0.02	BDL	2012 "mg/L"	means part per million or milligrams per liter
Fluoride	4	0.1	0.6	"NTU"	means nephelometric turbidity unit
Mercury	0.002	0.0001	BDL	"µg/L"	means part per billion or micrograms per liter
Nickel	0.1	0.001	BDL		
Nitrate	10	0.1	BDL		
Selenium	0.05	0.002	BDL		
Sodium	No MCL		3	"U.C."	means unregulated contaminants
Thallium	0.002	0.0003	BDL		
Nitrite	1				

Radioactive Contaminants(2017)

	MCL	RESULT	
Uranium	2016	20.1	.01+0.00
Radium-226	2016		.14 + .08
Radium-228	2017		.61 + 0.51
Gross Alpha	2017	15	0.99 + 0.69

Synthetic Organic Contaminants(2017)

	MCL ug/L	D.L. ug/L	RESULT ug/L		MCL ug/L	D.L. ug/L	RESULT ug/L
Alachlor(Lasso)	2	0.1	BDL	Benzene	5	0.5	BDL
Atrazine	3	0.1	0.2	Carbon Tetrachloride	5	0.5	BDL
Benzo(a)pyrene	0.2	0.02	BDL	Chlorobenzene	100	0.5	BDL
Carbofuran	40	0.9	BDL	1,2-Dichlorobenzene	600	0.5	BDL
Chlordane(alpha & gamma)	2	0.1	BDL	1,4-Dichlorobenzene	75	0.5	BDL
2,4-D	70	0.1	BDL	1,2-Dichloroethane	5	0.5	BDL
Dalapon	200	1	BDL	1,1-Dichloroethylene	7	0.5	BDL
DBCP	0.2	0.01	BDL	1,2-Dichloroethylene,cis	70	0.5	BDL
Dinoseb	7	0.1	BDL	1,2-Dichloroethylene,trans	100	0.5	BDL
2,3,7,8-TCDD(Dioxin)	30 pg/L	5.0 pg/L	BDL	Dichloromethane	5	0.5	BDL
Diquat	20	0.4	BDL	1,2-Dichloropropane	5	0.5	BDL
Di(2-ethylhexyl)adipate	400	0.6	BDL	Ethylbenzene	700	0.5	BDL
Di(2-ethylhexyl)phthalate	6	0.6	BDL	Styrene	100	0.5	BDL
Endothall	100	9	BDL	Tetrachloroethylene	5	0.5	BDL
Endrin	2	0.01	BDL	Toluene	1000	0.5	BDL
Ethylene Dibromide(EDB)	50 ng/L	10 ng/L	BDL	1,2,4-Trichlorobenzene	70	0.5	BDL
Glyphosate (Round-Up)	700	6	BDL	1,1,1-Trichloroethane	200	0.5	BDL
Heptachlor	0.4	0.04	BDL	1,1,2-Trichloroethane	5	0.5	BDL
Heptachlor Epoxide	0.2	0.02	BDL	Trichloroethylene	5	0.5	BDL
Hexachlorobenzene	1	0.1	BDL	Vinyl Chloride	2	0.2	BDL
Hexachlorocyclopentadiene	50	0.1	BDL	Total Xylenes	10000	0.5	BDL
Lindane	0.2	0.02	BDL	Methy-T-butyl ether	0.5	0.5	BDL
Methoxychlor	40	0.1	BDL	TOTAL TRIHALOMETHANES	80	0.5	47.3
Oxamyl(Vydate)	200	1	BDL	Bromodichloromethane		0.5	5.3
Pentachlorophenol	1	0.04	BDL	Bromoform		0.5	BDL
Picloram(Tordon)	500	0.1	BDL	Chlorodibromomethane		0.5	BDL
PCBs	0.5	0.5	BDL	Chloroform		0.5	42
Simazine	4	0.07	BDL				
2,4,5-TP(Silvex)	50	0.1	BDL				
Toxaphene	3	1	BDL				

Turbidity Measurements Over .30 (2017)

Total Organic Carbon (TOC)	MCL 25%	Range	19.25% To 36%	None
Percent Removal TOC	Average<25%		26.6%	<u>Highest Turbidity Measurement 2016</u> .22 June 22 th 2017