

Patoka Lake Regional Water District

WATER QUALITY DATA 2017

Inorganic Contaminants(2017)

	MCL MG/L	D.L. MG/L	RESULT MG/L
Antimony	0.006	0.001	BDL
Arsenic	0.01	0.001	BDL
Barium	2	0.002	0.03
Beryllium	0.004	0.0003	BDL
Cadmium	0.005	0.001	BDL
Chromium	0.1	0.0009	BDL
Cyanide, Free	0.2	0.02	BDL
Fluoride	4	0.1	0.6
Mercury	0.002	0.0001	BDL
Nickel	0.1	0.001	BDL
Nitrate	10	0.1	BDL
Selenium	0.05	0.002	BDL
Sodium	No MCL		3
Thallium	0.002	0.0003	BDL
Nitrite	1		

Definitions

"MCL"	means maximum contaminant level
"BDL"	means below detectable limit
"pCi/L"	means picocuries per liter
"D.L."	means detectable limit
2012 "mg/L"	means part per million or milligrams per liter
"NTU"	means nephelometric turbidity unit
"µg/L"	means part per billion or micrograms per liter
"U.C."	means unregulated contaminates

Radioactive Contaminants(2017)

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

Volatile Organic Contaminants(2017)

	MCL µg/L	D.L. µg/L	RESULT µg/L
Benzene	5	0.5	BDL
Carbon Tetrachloride	5	0.5	BDL
Chlorobenzene	100	0.5	BDL
1,2-Dichlorobenzene	600	0.5	BDL
1,4-Dichlorobenzene	75	0.5	BDL
1,2-Dichloroethane	5	0.5	BDL
1,1-Dichloroethylene	7	0.5	BDL
1,2 Dichloroethylene,cis	70	0.5	BDL
1,2-Dichloroethylene,trans	100	0.5	BDL
Dichloromethane	5	0.5	BDL
1,2-Dichloropropane	5	0.5	BDL
Ethylbenzene	700	0.5	BDL
Styrene	100	0.5	BDL
Tetrachloroethylene	5	0.5	BDL
Toluene	1000	0.5	BDL
1,2,4-Trichlorobenzene	70	0.5	BDL
1,1,1-Trichloroethane	200	0.5	BDL
1,1,2-Trichloroethane	5	0.5	BDL
Trichloroethylene	5	0.5	BDL
Vinyl Chloride	2	0.2	BDL
Total Xylenes	10000	0.5	BDL
Methy-T-butyl ether		0.5	BDL
TOTAL TRIHALOMETHANES	80	0.5	47.3
Bromodichloromethane		0.5	5.3
Bromoform		0.5	BDL
Chlorodibromomethane		0.5	BDL
Chloroform		0.5	42

	MCL µg/L	RESULT µg/L
Haloacetic Acids 5 (4)	60	36.2 Average
	2017 Range	22 To 60.6
Total Trihalomethanes(4)	80	37.3 Average
	2017 Range	20.5 To 58

	MCL mg/L	RESULT mg/L
Lead 90th percentile	2017 0.015	0.005
Copper 90th percentile	2017 1.3	0.24

Turbidity Measurements Over .30 (2017)

Total Organic Carbon (TOC)	MCL			
	25%	Range	19.25%	To 36%
Percent Removal TOC	Average<25%		26.6%	

Highest Turbidity Measurement 2016

.22 June 22th 2017