

Patoka Lake Regional Water District

WATER QUALITY DATA 2014

Inorganic Contaminants(2014)

	MCL MG/L	D.L. MG/L	RESULT MG/L
Antimony	0.006	0.001	BDL
Arsenic	0.01	0.001	BDL
Barium	2		0.012
Beryllium	0.004	0.0003	BDL
Cadmium	0.005	0.001	BDL
Chromium	0.1	0.0009	BDL
Cyanide, Free	0.2		
Fluoride	4		0.8
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		2.3
Thallium	0.002	0.0003	BDL
Nitrite	1		

Radioactive Contaminants(2014)

	MCL	RESULT
Gross Alpha	15	1.5 pCi/L
Radium-226		.19 + 0.33 pCi/L
Radium-228		.03 + 0.33 pCi/L
Combined Radium	5	0.22 + 0.47 pCi/L

Synthetic Organic Contaminants(2014)

	MCL ug/L	D.L. ug/L	RESULT ug/L
Alachlor(Lasso)	2	0.1	BDL
Atrazine	3	0.1	0.1
Benzo(a)pyrene	0.2	0.02	BDL
Carbofuran	40	0.9	BDL
Chlordane(alpha & gamma)	2	0.1	BDL
2,4-D	70	0.1	BDL
Dalapon	200	1	BDL
DBCP	0.2	0.01	BDL
Dinoseb	7	0.1	BDL
2,3,7,8-TCDD(Dioxin)	30 pg/L	5.0 pg/L	BDL
Diquat	20	0.4	BDL
Di(2-ethylhexyl)adipate	400	0.6	BDL
Di(2-ethylhexyl)phthalate	6	0.6	BDL
Endothall	100	9	BDL
Endrin	2	0.01	BDL
Ethylene Dibromide(EDB)	50 ng/L	10 ng/L	BDL
Glyphosate (Round-Up)	700	6	BDL
Heptachlor	0.4	0.04	BDL
Heptachlor Epoxide	0.2	0.02	BDL
Hexachlorobenzene	1	0.1	BDL
Hexachlorocyclopentadiene	50	0.1	BDL
Lindane	0.2	0.02	BDL
Methoxychlor	40	0.1	BDL
Oxamyl(Vydate)	200	1	BDL
Pentachlorophenol	1	0.04	BDL
Picloram(Tordon)	500	0.1	BDL
PCBs	0.5	0.5	BDL
Simazine	4	0.07	BDL
2,4,5-TP(Silvex)	50	0.1	BDL
Toxaphene	3	1	BDL

Total Organic Carbon (TOC)	MCL 25%	Range 20.5%	RESULT 28.0%	Average
Percent Removal TOC	Average<25%	36.8%	28.0%	Average

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
"ug/L"	means part per billion or micrograms per liter
"U.C."	means unregulated contaminates

Volatile Organic Contaminants(2014)

	MCL ug/L	D.L. ug/L	RESULT ug/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
TRihalOMETHANES			
Bromodichloromethane		0.5	4.4
Bromoform		0.5	BDL
Chlorodibromomethane		0.5	BDL
Chloroform		0.5	45
Haloacetic Acids 5	MCL 60 ug/L	RESULT 47.1 Average	
	2014 Range	5.5 to 64.6	
Total Trihalomethanes(4)	MCL 80 ug/L	RESULT 46.7 Average	
	2014 Range	25.4	64.6
Lead 90th percentile	MCL 0.015 mg/L	RESULT 0.0048	
Copper 90th percentile	MCL 1.3 mg/L	RESULT 0.21	

Turbidity Measurements Over .30 (2014)

.31 & .40 1/30/2014

Highest Turbidity Measurement 2014

..40 January 30th 2014