

2012 WATER QUALITY TEST RESULTS

Contaminant (units)	Violation	Level Detected	Unit Measurement	MCLG	MCL	Typical Source of Contaminant
<u>Synthetic Organic Contaminants Including Pesticides and Herbicides</u>						
2,3,7,8-TCDD (Dioxin)	☉	ND	ppq	0	30	Residue from incineration
2,4-D	☉	ND	ppb	70	70	Runoff from herbicide used on row crops
2,4,5-TP (Silvex)	☉	ND	ppb	50	50	Residue of banned herbicide
Alachlor (Lasso)	☉	ND	ppb	0	2	Runoff from herbicide used on row crops
Aldicarb Total	☉	ND	ppb	3	3	Runoff from insecticide use
Aldicarb Sulfone	☉	ND	ppb	2	2	Runoff from insecticide
Aldicarb Sulfoxide	☉	ND	ppb		4	Runoff from insecticide use
Aldrin	☉	ND	ppb		n/a	Runoff from pesticide use
Atrazine	☉	ND	ppb	3	3	Runoff from herbicide used on row crops
Benzo(A)Pyrene	☉	ND	ppb	0	.2	Residue from combustion
Butachlor (Machete)	☉	ND	ppb		n/a	Runoff from pesticide use
Carbaryl	☉	ND	ppb		n/a	Runoff from pesticide use
Carbofuran	☉	ND	ppb	40	40	Leaching of soil fumigant used on rice & alfalfa
Chlordane	☉	ND	ppb	0	2	Residue of banned termiticide
Dalapon	☉	ND	ppb	200	200	Runoff from herbicide used on rights of way
Dicamba	☉	ND	ppb		n/a	Runoff from herbicide use
Dieldrin	☉	ND	ppb		n/a	Runoff from pesticide use
Di(2-Ethylhexyl)Adipate	☉	ND	ppb	400	400	Discharge from chemical factories
Di(2-Ethylhexyl)Phthalate	☉	ND	ppb	0	6	Discharge from chemical factories
Dinoseb	☉	ND	ppb	7	7	Runoff from herbicide used on soybeans & vegetables
Diquat	☉	ND	ppb	20	20	Runoff from herbicide use
Endothall	☉	ND	ppb	100	100	Runoff from herbicide use
Endrin	☉	ND	ppb	2	2	Residue of banned insecticide
Glyphosate	☉	ND	ppb	700	700	Runoff from herbicide use
Heptachlor	☉	ND	ppt	0	400	Residue of banned termiticide
Heptachlor epoxide	☉	ND	ppt	0	200	Breakdown of heptachlor
Hexachlorobenzene	☉	ND	ppb	0	1	Discharge from metal refineries & agricultural chemical factories

Contaminant (units)	Violation	Level Detected	Unit Measurement	MCLG	MCL	Typical Source of Contaminant
Hexachlorocyclopentadiene	☉	ND	ppb	50	50	Discharge from chemical factories
3-Hydroxycarbofuran	☉	ND	ppb		n/a	Runoff from pesticide use
BHC-Gamma (Lindane)	☉	ND	ppb	200	200	Runoff/leaching from insecticide used on cattle, lumber, gardens
Methomyl	☉	ND	ppb		n/a	Residue from insecticide use
Methoxychlor	☉	ND	ppb	40	40	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock
Metolachlor (Dual)	☉	ND	ppb		n/a	Runoff from herbicide use
Metribuzin (Sencor)	☉	ND	ppb		n/a	Runoff from pesticide use
Oxamyl (Vydate)	☉	ND	ppb	200	200	Runoff/leaching from insecticide used on apples, potatoes & tomatoes
PCBs (Polychlorinated biphenyls), Total	☉	ND	ppt	0	500	Runoff from landfills; discharge of waste chemicals
Pentachlorophenol	☉	ND	ppb	0	1	Discharge from wood preserving factories
Picloram	☉	ND	ppb	500	500	Runoff from herbicide use
Propachlor (Ramrod)	☉	ND	ppb		n/a	Runoff from herbicide use
Simazine	☉	ND	ppb	4	4	Runoff from herbicide use
Toxaphene	☉	ND	ppb	0	3	Runoff/leaching from insecticide used on cotton & cattle
<u>Disinfection Byproducts</u>						
HAA5	☉	11	ppb	60	60	By-product of drinking water chlorination
TTHM (Total trihalomethanes)	☉	25.4	ppb	80	80	By-product of drinking water chlorination
<u>Unregulated Contaminants</u>						
Bromodichloromethane	☉	8.38 avg	ppb	n/a	n/a	By-product of drinking water chlorination
Bromoform	☉	.18 avg				By-product of drinking water chlorination
Chloroform	☉	12.65 avg	ppb	n/a	n/a	By-product of drinking water chlorination
Dibromochloromethane	☉	4.2 avg	ppb	n/a	n/a	By-product of drinking water chlorination
Dibromomethane	☉	2.30	ppb	n/a	n/a	By-product of drinking water chlorination
Sulfate	☉	22.0	ppm	n/a	n/a	Naturally occurs in water
<u>Inorganic Contaminants</u>						
Antimony Total	☉	0	ppb	6	6	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic	☉	0	ppb	0	10	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes

Contaminant (units)	Violation	Level Detected	Unit Measurement	MCLG	MCL	Typical Source of Contaminant
Barium	☉	.021	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beryllium Total	☉	0	ppb	4	4	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Cadmium	☉	0	ppb	5	5	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Chromium	☉	0	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits
Copper	☉	.0600	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Fluoride	☉	1.0 avg.	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Lead	☉	5.1	ppb	0	AL=15	Corrosion of household plumbing systems; Erosion of natural deposits
Mercury	☉	0	ppb	2	2	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Nickel	☉	1.1	ppb		100	Nickel occurs naturally in soils, ground water and surface waters and is often used in electroplating, stainless steel and alloy products.
Nitrate (N03-N)	☉	.33	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite (N02-N)	☉	.03	ppm	1	1	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrate-Nitrite (N03+N02)	☉	.3	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium	☉	0	ppb	50	50	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Sodium	☉	7.4	ppm	n/a	n/a	Naturally occurs in water
Sulfate	☉	22.0	ppm	n/a	n/a	Naturally occurs in water

Contaminant (units)	Violation	Level Detected	Unit Measurement	MCLG	MCL	Typical Source of Contaminant
Thallium Total	⊖	0	ppb	0.5	2	Leaching from ore-processing sites; Discharge from electronics, glass, and drug factories
Radioactive Contaminants						
Combined Uranium	⊖	.04	ppb	0	30	Erosion of natural deposits
Combined Radium	⊖	.45	pCi/l	0	5	Erosion of natural deposits
Volatile Organic Contaminants						
Benzene	⊖	ND	ppb	0	5	Discharge from factories; leaching from gas storage tanks and landfills
Bromobenzene	⊖	ND	ppb	0	n/a	
Bromomethane	⊖	ND	ppb	n/a	n/a	Runoff from pesticide use
Carbon Tetrachloride	⊖	ND	ppb	0	5	Discharge from chemical plants & other industrial activities
Chloroethane	⊖	ND	ppb	n/a	n/a	
Chloroform	⊖	14	ppb	80	80	By-product of drinking water chlorination
Chloromethane (Methylchloride)	⊖	ND	ppb	n/a	n/a	
O-Chlorotoluene	⊖	ND	ppb	n/a	n/a	
P-Chlorotoluene	⊖	ND	ppb	n/a	n/a	
M-Dichlorobenzene	⊖	ND	ppb	n/a	n/a	
O-Dichlorobenzene	⊖	ND	ppb	600	600	Discharge from industrial chemical factories
P-Dichlorobenzene	⊖	ND	ppb	75	75	Discharge from industrial chemical factories
Dichlorodifluoromethane	⊖	ND	ppb	n/a	n/a	
1,1 Dichloroethane	⊖	ND	ppb	n/a	n/a	
1,2-Dichloroethane	⊖	ND	ppb	0	5	Discharge from industrial chemical factories
1,1-Dichloroethylene	⊖	ND	ppb	7	7	Discharge from industrial chemical factories
CIS-1,2-Dichloroethylene	⊖	ND	ppb	70	70	Discharge from industrial chemical factories
Trans-1,2-Dichloroethylene	⊖	ND	ppb	100	100	Discharge from industrial chemical factories
Dichloromethane	⊖	ND	ppb	0	5	Discharge from pharmaceutical & chemical factories
1,2-Dichloropropane	⊖	ND	ppb	0	5	Discharge from industrial chemical factories
1,3-Dichloropropane	⊖	ND	ppb	n/a	n/a	
2,2-Dichloropropane	⊖	ND	ppb	n/a	n/a	
1,1-Dichloropropene	⊖	ND	ppb	n/a	n/a	
1,3-Dichloropropene	⊖	ND	ppb	n/a	n/a	
Ethylbenzene	⊖	ND	ppb	700	700	Discharge from petroleum refineries
Hexachlorobutadiene	⊖	ND	ppb	n/a	n/a	
Isopropylbenzene	⊖	ND	ppb	n/a	n/a	
P-Isopropyltoluene (P-Cymene)	⊖	ND	ppb	n/a	n/a	
Methyl-Tert-Butyl-Ether	⊖	ND	ppb	n/a	n/a	
Monochlorobenzene (Chlorobe.)	⊖	ND	ppb	100	100	

Contaminant (units)	Violation	Level Detected	Unit Measurement	MCLG	MCL	Typical Source of Contaminant
Naphthalene	☉	ND	ppb	n/a	n/a	
Styrene	☉	ND	ppb	100	100	Discharge from rubber & plastic factories; leaching from landfills
1,1,1,2-Tetrachloroethane	☉	ND	ppb	n/a	n/a	
1,1,2,2-Tetrachloroethane	☉	ND	ppb	n/a	n/a	
Tetrachloroethylene	☉	ND	ppb	0	5	Leaching from PVC pipes; discharge from factories & dry cleaners
Toluene	☉	ND	ppm	1	1	Discharge from petroleum factories
1,2,4-Trichlorobenzene	☉	ND	ppb	70	70	Discharge from textile-finishing factories
1,1,1-Trichloroethane	☉	ND	ppb	200	200	Discharge from metal degreasing sites & other factories
1,1,2-Trichloroethane	☉	ND	ppb	3	5	Discharge from industrial chemical factories
Trichloroethylene	☉	ND	ppb	0	5	Discharge from metal degreasing sites & other factories
Trichlorofluoromethane	☉	ND	ppb	n/a	n/a	
1,2,3-Trichloropropane	☉	ND	ppb	n/a	n/a	
1,2,4-Trimethylbenzene	☉	ND	ppb	n/a	n/a	
1,3,5-Trimethylbenzene	☉	ND	ppb	n/a	n/a	
Vinyl Chloride	☉	ND	ppb	0	.2	Leaching from PVC piping; discharge from plastics factories
Xylenes, Total	☉	ND	ppm	10	10	Discharge from petroleum factories; discharge from chemical factories
Microbiological Contaminants						
Total Coliform Bacteria	☉	0%		0		Naturally preset in the environment
Fecal Coliform and E.coli	☉	0%		0		Human and animal fecal waste
OTHER Characteristics						
Turbidity	☉	Highest level .08	NTU			Soil runoff
Alkalinity	☉	101 avg.	ppm	n/a		
Hardness	☉	134 avg.	ppm	n/a		