



## Table of Primary Contaminants

At high levels some primary contaminants are known to pose a health risks to humans. This table provides a quick glance of any primary contaminant detections.

CONTAMINANT	MCL	Electric	Tallassee	Central Elmore	CONTAMINANT	MCL	Electric	Tallassee	Central Elmore	CONTAMINANT	MCL	Electric	Tallassee	Central Elmore
<b>Bacteriological</b>					Selenium(ppb)	50	ND	ND	ND	Epichlorohydrin	TT	ND	ND	ND
Total Coliform Bacteria	< 5%	ND	ND	ND	Thallium(ppb)	2	ND	ND	0.0001	Ethylbenzene(ppb)	700	ND	ND	ND
Turbidity	TT	ND	0.08	0.09	<b>Organic Chemicals</b>		ND	ND	ND	Ethylene dibromide(ppb)	50	ND	ND	ND
Fecal Coliform & E. coli	0	ND	ND	ND	Acrylamide	TT	ND	ND	ND	Glyphosate(ppb)	700	ND	ND	ND
<b>Radiological</b>					Alachlor(ppb)	2	ND	ND	ND	Haloacetic Acids(ppm)(ppb)	60	34.2	33	36.4
Beta/Photon emitters (nrem/yr)	4	ND	ND	ND	Atrazine(ppb)	3	ND	ND	ND	Heptachlor(ppb)	400	ND	ND	ND
Alpha emitters (pci/l)	15	ND	ND	ND	Benzene(ppb)	5	ND	ND	ND	Heptachlor epoxide(ppb)	200	ND	ND	ND
Combined radium (pci/l)	5	ND	ND	ND	Benzo(a)pyrene(PHAs)(ppt)	200	ND	ND	ND	Hexachlorobenzene(ppb)	1	ND	ND	ND
Uranium (pci/l)	30	ND	ND	ND	Carbofuran(ppb)	40	ND	ND	ND	Hexachlorocyclopentadiene(ppb)	50	ND	ND	ND
<b>Inorganic</b>					Carbon Tetrachloride(ppb)	5	ND	ND	ND	Lindane(ppb)	200	ND	ND	ND
Antimony (ppb)	6	ND	ND	0.22	Chlordane(ppb)	2	ND	ND	ND	Methoxychlor(ppb)	40	ND	ND	ND
Arsenic (ppb)	10	ND	ND	0.3	Chlorobenzene(ppb)	100	ND	ND	ND	Oxanil (Vydate)(ppb)	200	ND	ND	ND
Asbestos (MFL)	7	ND	ND	ND	2,4-D	70	ND	ND	ND	Penachlorophenol(ppb)	1	ND	ND	ND
Barium (ppb)	2	ND	0.013	0.0121	Dalapon(ppb)	200	ND	ND	ND	Picloram(ppb)	500	ND	ND	ND
Beryllium (ppb)	4	ND	ND	ND	Dibromochloropropane(ppb)	200	ND	ND	ND	PCBs(ppb)	500	ND	ND	ND
Bromate(ppb)	10	ND	ND	ND	0-Dichlorobenzene(ppb)	600	ND	ND	ND	Simazine(ppb)	4	ND	ND	ND
Cadmium (ppb)	5	ND	ND	ND	p-Dichlorobenzene(ppb)	75	ND	ND	ND	Styrene(ppb)	100	ND	ND	ND
Chloramines(ppm)	4	ND	ND	ND	1,2-Dichloroethane(ppb)	5	ND	ND	ND	Tetrachloroethylene(ppb)	5	ND	ND	ND
Chlorine(ppm)	4	1.98	2.4	2	1,1-Dichloroethylene(ppb)	7	ND	ND	ND	Toluene(ppm)	1	ND	ND	ND
Chlorine dioxide(ppb)	800	ND	ND	0.29	Cis-1,2-Dichloroethylene(ppb)	70	ND	ND	ND	TOC	TT	ND	1.3	1.6
Chlorite(ppm)	1	ND	ND	0.77	trans-1,2-Dichloroethylene(ppb)	100	ND	ND	ND	TTM(ppm)(ppb)	80	66.3	50.8	57.1
Chromium (ppb)	100	ND	ND	0.49	Dichloromethane(ppb)	5	ND	ND	ND	Toxaphene(ppb)	3	ND	ND	ND
Copper (ppm)	AL=1.3	0.152	1.3	0.07321	1,2-Dichloropropane(ppb)	5	ND	ND	ND	2,4,5-TP (Silvex)(ppb)	50	ND	ND	ND
Cyanide (ppb)	200	ND	ND	ND	Di-(2-ethylhexyl)adipate(ppb)	400	ND	ND	ND	1,2,4-Trichlorobenzene(ppb)	70	ND	ND	ND
Fluoride (ppm)	4	ND	0.93	0.401	Di(2-ethylhexyl)phthalates(ppb)	6	ND	ND	ND	1,1,1-Trichloroethane(ppb)	200	ND	ND	ND
Lead (ppb)	AL=15	0.68	ND	0.441	Dinoseb(ppb)	7	ND	ND	ND	1,1,2-Trichloroethane(ppb)	5	ND	ND	ND
Mercury (ppb)	2	ND	ND	ND	Dioxin(2,3,7,8-TCDD)(ppq)	30	ND	ND	ND	Trichloroethylene(ppb)	5	ND	ND	ND
Nitrate (ppm)	10	ND	0.2	ND	Diquat(ppb)	20	ND	ND	ND	Vinyl Chloride(ppb)	2	ND	ND	ND
Nitrite (ppm)	1	ND	ND	ND	Endosulf(ppb)	100	ND	ND	ND	Xylenes(ppm)	10	ND	ND	ND
Total Nitrate & Nitrite	10	ND	0.2	ND	Endrin(ppb)	2	ND	ND	ND					

## Table of Secondary and Unregulated Contaminants

Secondary Drinking Water Standards are guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. ADEM has Secondary Drinking Water Standards established in state regulations applicable to water systems required to monitor for the various components. Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

CONTAMINANT	MCL	Electric	Tallassee	Central Elmore	CONTAMINANT	MCL	Electric	Tallassee	Central Elmore	CONTAMINANT	MCL	Electric	Tallassee	Central Elmore
<b>Secondary</b>														
Aluminum	0.2	ND	0.02	ND	Foaming Agents	0.5	ND	ND	ND	Silver	7	ND	ND	ND
Chloride	250	ND	5.6	12.5	Iron	0.3	ND	ND	0.07	Sulfate	70	ND	7.7	13.10
Color (PCU)	15	ND	ND	ND	Magnesium	75	ND	ND	1.28	Total Dissolved Solids	500	ND	53	44.00
Copper	1	ND	ND	0.0236	Odor (T.O.N.)	5	ND	ND	ND	Zinc	5	ND	ND	0.00
<b>Special</b>														
Calcium	N/A	ND	ND	2.79	pH (SU)	N/A	NR	7.9	6.9	Temperature (°C)	N/A	ND	ND	ND
Carbon Dioxide	N/A	ND	ND	ND	Sodium	N/A	NR	9.6	16.6	Total Alkalinity	N/A	ND	ND	34
Manganese	0.05	ND	ND	0.0012	Specific Conductance (umhos)	<500	NR	ND	179	Total Hardness (as CaCO3)	N/A	ND	11.3	12.2
<b>Unregulated</b>														
1,1-Dichloropropene	N/A	ND	ND	ND	Bromobenzene	N/A	ND	ND	ND	Hexachlorobutadiene	N/A	ND	ND	ND
1,1,2-Tetrachloroethane	N/A	ND	ND	ND	Bromochloromethane	N/A	ND	ND	ND	Isopropylbenzene	N/A	ND	ND	ND
1,1-Dichloroethane	N/A	ND	ND	ND	Bromodichloromethane	N/A	ND	2.20	3.99	m-Dichlorobenzene	N/A	ND	ND	ND
1,2,3-Trichlorobenzene	N/A	ND	ND	ND	Bromoform	N/A	ND	ND	ND	Methonyl	N/A	ND	ND	ND
1,2,3-Trichloropropane	N/A	ND	ND	ND	Bromomethane	N/A	ND	ND	ND	Metolachlor	N/A	ND	ND	ND
1,2,4-Trimethylbenzene	N/A	ND	ND	ND	Butachlor	N/A	ND	ND	ND	Metribuzin	N/A	ND	ND	ND
1,2,4-Trichlorobenzene	N/A	ND	ND	ND	Carbaryl	N/A	ND	ND	ND	MTBE	N/A	ND	ND	ND
1,3-Dichloropropane	N/A	ND	ND	ND	Chloroethane	N/A	ND	ND	ND	N-Butylbenzene	N/A	ND	ND	ND
1,3-Dichloropropene	N/A	ND	ND	ND	Chlorodibromomethane	N/A	ND	ND	ND	Naphthalene	N/A	ND	ND	ND
1,3,5-Trimethylbenzene	N/A	ND	ND	ND	Chloroform	N/A	ND	12.00	20.1	n-Propylbenzene	N/A	ND	ND	ND
2,2-Dichloropropane	N/A	ND	ND	ND	Chloromethane	N/A	ND	ND	ND	O-Chlorotoluene	N/A	ND	ND	ND
3-Hydroxycarbofuran	N/A	ND	ND	ND	Dibromochloromethane	N/A	ND	ND	0.48	p-Chlorotoluene	N/A	ND	ND	ND
Aldicarb	N/A	ND	ND	ND	Dibromomethane	N/A	ND	ND	ND	p-Isopropyltoluene	N/A	ND	ND	ND
Aldicarb Sulfone	N/A	ND	ND	ND	Dichlorodifluoromethane	N/A	ND	ND	ND	Propachlor	N/A	ND	ND	ND
Aldicarb Sulfoside	N/A	ND	ND	ND	Diédrin	N/A	ND	ND	ND	Sec-Butylbenzene	N/A	ND	ND	ND
Aldrin	N/A	ND	ND	ND	Fluorotrichloromethane	N/A	ND	ND	ND	Ter-Butylbenzene	N/A	ND	ND	ND

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily pose a health risk. The EPA or ADEM requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

The table below lists all of the drinking water contaminants that we detected.

Table of Detected Drinking Water Contaminants										
CONTAMINANT	MCLG	MCL	Range			Eclectic	Tallassee	Central Elmore	Amount Detected	Likely Source of Contamination
<b>Bacteriological Contaminants January - December 2023</b>										
Total Coliform Bacteria	0	< 5%				ND	ND	ND	Present or Absent	Naturally present in the environment
Turbidity	0	TT				NR	0.08	0.09	NTU	Soil runoff
Fecal Coliform & E. coli	0	0				ND	ND	ND	Present or Absent	Human and animal fecal waste
<b>Radiological Contaminants January - December 2015</b>										
Alpha emitters	0	15				NR	ND	ND	pCi/L	Erosion of natural deposits
Combined Radium 226 & 228	0	5				NR	ND	ND	pCi/L	Erosion of natural deposits
<b>Inorganic Contaminants January - December 2020-2023</b>										
Barium	2	2	ND	-	0.01	ND	0.01	0.0121	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chlorine	MRDLG 4	MRDL 4	1.40	-	1.98	1.98	2.40	2.00	ppm	Water additive used to control microbes
Copper	1.3	40 Sites AL=1.3	No. of Sites above action level 0			0.152	0.1300	0.073	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Fluoride	4	4	ND	-	0.86	ND	0.93	0.401	ppm	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories
Lead	0	10 Sites AL=15	No. of Sites above action level 0			0.68	ND	0.44	ppb	Corrosion of household plumbing systems, erosion of natural deposits
Nitrate (as N)	10	10	ND	-	0.14	ND	0.20	ND	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrite (as N)	1	1	ND	-	ND	ND	ND	ND	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Total Nitrate & Nitrite	10	10	ND	-	0.14	ND	0.20	ND	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
<b>Organic Contaminants January - December 2023</b>										
Haloacetic Acids (HAA5)	0	60	6.50	-	55.00	34.2avg	33.00	36.40	ppb	By-product of drinking water chlorination
Total Organic Carbon (TOC)	N/A	TT	ND	-	1.50	ND	1.30	1.16	TT	Naturally present in the environment
Total trihalomethanes (TTHM)	0	80	46.10	-	105.60	66.3avg	50.80	57.10	ppb	By-product of drinking water chlorination
<b>Secondary Contaminants January - December 2021-2023</b>										
Aluminum	N/A	0.2	ND	-	0.02	ND	0.02	ND	ppm	Erosion of natural deposits or as a result of treatment with water additives
Chloride	N/A	250	ND	-	5.70	ND	5.60	12.50	ppm	Naturally occurring in the environment or as a result of agricultural runoff
Magnesium	N/A	0.05	ND	-	ND	ND	ND	1.28	ppm	Erosion of natural deposits
Sulfate	N/A	250	ND	-	5.70	ND	7.70	13.10	ppm	Naturally occurring in the environment
Total Dissolved Solids	N/A	500	ND	-	48.00	ND	53.00	44.00	ppm	Erosion of natural deposits
Zinc	N/A	5	ND	-	ND	ND	ND	0.00	ppm	Erosion of natural deposits
<b>Special Contaminants January - December 2021-2023</b>										
Calcium	N/A	N/A	ND	-	ND	ND	ND	2.79	ppm	Erosion of natural deposits
Carbon Dioxide	N/A	N/A	ND	-	ND	ND	ND	ND	ppm	Erosion of natural deposits
pH	N/A	N/A	ND	-	8.60	ND	7.90	6.90	SU	Naturally occurring in the environment or as a result of treatment with water additives
Sodium	N/A	N/A	ND	-	10.50	ND	9.60	16.60	ppm	Naturally occurring in the environment
Specific Conductance	N/A	<500	ND	-	ND	ND	ND	179.00	umhos	Naturally occurring in the environment or as a result of treatment with water additives
Temperature	N/A	N/A	ND	-	ND	ND	ND	ND	-c	Naturally occurring in the environment
Total Hardness (as CaCO3)	N/A	N/A	ND	-	13.40	ND	11.30	12.20	ppm	Naturally occurring in the environment or as a result of treatment with water additives
<b>Unregulated Contaminants January - December 2023</b>										
Bromodichloromethane	N/A	N/A	ND	-	1.80	ND	1.80	3.99	ppb	Naturally occurring in the environment or as a result of industrial discharge or agricultural runoff; by-product of chlorination
Chloroform	N/A	N/A	ND	-	7.10	ND	11.00	20.10	ppb	Naturally occurring in the environment or as a result of industrial discharge or agricultural runoff; by-product of chlorination
Dibromochloromethane	N/A	N/A	ND	-	ND	ND	ND	0.48	ppm	Naturally occurring in the environment

PFAS Compounds								
CONTAMINANT	RESULTS	UNITS	CONTAMINANT	RESULTS	UNITS	CONTAMINANT	RESULTS	UNITS
11CI-PF3OUdS	ND	ug/L	Perfluorodecanoic Acid	ND	ug/L	Perfluorooctanoic Acid	ND	ug/L
9CI-PF3ONS	ND	ug/L	Perfluorohexanoic Acid	ND	ug/L	Perfluorotetradecanoic Acid	ND	ug/L
ADONA	ND	ug/L	Perfluorododecanoic Acid	ND	ug/L	Perfluorotridecanoic Acid	ND	ug/L
HFPO-DA	ND	ug/L	Perfluoroheptanoic Acid	ND	ug/L	Perfluoroundecanoic Acid	ND	ug/L
NEFOSAA	ND	ug/L	Perfluorohexanesulfonic Acid	ND	ug/L	Total PFAs	ND	ug/L
NMeFOSAA	ND	ug/L	Perfluorononanoic Acid	ND	ug/L	PFDoA	ND	ug/L
Perfluorobutanesulfonic Acid	ND	ug/L	Perfluorooctanesulfonic Acid	ND	ug/L	PFHpA	ND	ug/L
PFBS	ND	ug/L	PFHxA	ND	ug/L	PFHxS	ND	ug/L
PFNA	ND	ug/L	PFOS	ND	ug/L	PFOA	0.005	ug/L
PFTA	ND	ug/L	PFTTrDA	ND	ug/L	PFUna	ND	ug/L

## General Information

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and radioactive material, and it can pick up substances resulting from the presence of animals or from human activities.

As you can see by the tables, our system had no monitoring violations of allowable limits of contaminants in drinking water. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected. MCL's are set at very stringent levels. To understand the possible health effects described for many regulated contaminants, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

**Total Coliform:** The Total Coliform Rule requires water systems to meet a stricter limit for coliform bacteria. Coliform bacteria are usually harmless, but their presence in water can be an indication of disease-causing bacteria. When coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply. If this limit is exceeded, the water supplier must notify the public by newspaper, television or radio. To comply with the stricter regulation, we have increased the average amount of chlorine in the distribution system.

**Lead in Drinking Water:** "If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The **Eclectic Water Works & Sewer Board** is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>."

Some people may be more vulnerable to contaminants in drinking water than the general population. People who are immuno-compromised such as cancer patients undergoing chemotherapy, organ transplant recipients, HIV/AIDS positive or other immune system disorders, some elderly, and infants can be particularly at risk from infections. People at risk should seek advice about drinking water from their health care providers. EPA (Environmental Protection Agency)/CDC (Center of Disease Control) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline. All Drinking water, including bottled drinking water, may reasonably be expected to contain at least small amounts of some contaminants. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding.

We at the **Eclectic Water Works & Sewer Board** work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

**For more information contact:**

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