

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	Eclectic	Tallassee	Central Elmore	CONTAMINANT	MCL	Eclectic	Tallassee	Central Elmore	CONTAMINANT	MCL	Eclectic	Tallassee	Central Elmore
Bacteriological														
Total Coliform Bacteria	< 5%	ND	ND	ND	Selenium(ppb)	50	ND	ND	ND	Epichlorohydrin	TT	ND	ND	ND
Turbidity	TT	ND	0.28	0.09	Thallium(ppb)	2	ND	ND	0.0001	Ethylbenzene(ppb)	700	ND	ND	ND
Fecal Coliform & E. coli	0	ND	ND	ND	Organic Chemicals									
					Acrylamide	TT	ND	ND	ND	Ethylene dibromide(ppb)	50	ND	ND	ND
Radiological														
Beta/Photon emitters (mrem/yr)	4	ND	ND	ND	Alachlor(ppb)	2	ND	ND	ND	Haloacetic Acids(ppm)(ppb)	60	35.1	28.5	28.4
Alpha emitters (pci/l)	15	ND	ND	ND	Atrazine(ppb)	3	ND	ND	ND	Heptachlor(ppb)	400	ND	ND	ND
Combined radium (pci/l)	5	ND	ND	ND	Benzene(ppb)	5	ND	ND	ND	Heptachlor epoxide(ppb)	200	ND	ND	ND
Uranium(pci/l)	30	ND	ND	ND	Benzo(a)pyrene(PHAs)(ppt)	200	ND	ND	ND	Hexachlorobenzene(ppb)	1	ND	ND	ND
Inorganic														
Antimony (ppb)	6	ND	ND	0.28	Carbofuran(ppb)	40	ND	ND	ND	Hexachlorocyclopentadiene(ppb)	50	ND	ND	ND
Arsenic (ppb)	10	ND	ND	ND	Carbon Tetrachloride(ppb)	5	ND	ND	ND	Lindane(ppb)	200	ND	ND	ND
Asbestos (MFL)	7	ND	ND	ND	Chlordane(ppb)	2	ND	ND	ND	Methoxychlor(ppb)	40	ND	ND	ND
Barium (ppm)	2	ND	0.01	0.0117	Chlorobenzene(ppb)	100	ND	ND	ND	Oxamyl [Vvdate](ppb)	200	ND	ND	ND
Beryllium (ppb)	4	ND	ND	ND	2,4-D	70	ND	ND	ND	Pentachlorophenol(ppb)	1	ND	ND	ND
Bromate(ppb)	10	ND	ND	ND	Dalapon(ppb)	200	ND	ND	ND	Picloram(ppb)	500	ND	ND	ND
Cadmium (ppb)	5	ND	ND	ND	Dibromochloropropane(ppb)	200	ND	ND	ND	PCBs(ppb)	500	ND	ND	ND
Chloramines(ppm)	4	ND	ND	ND	0-Dichlorobenzene(ppb)	600	ND	ND	ND	Simazine(ppb)	4	ND	ND	ND
Chlorine(ppm)	4	ND	2.7	2.1	p-Dichlorobenzene(ppb)	75	ND	ND	ND	Styrene(ppb)	100	ND	ND	ND
Chlorine dioxide(ppb)	800	ND	ND	0.25	1,2-Dichloroethane(ppb)	5	ND	ND	ND	Tetrahaloethene(ppb)	5	ND	ND	ND
Chlorite(ppm)	1	ND	ND	0.91	1,1-Dichloroethylene(ppb)	7	ND	ND	ND	Toluene(ppm)	1	ND	ND	ND
Chromium (ppb)	100	ND	ND	0.42	Cis-1,2-Dichloroethylene(ppb)	70	ND	ND	ND	TOC	TT	ND	1.5	1.62
Copper (ppm)	AL=1.3	0.0472	1.3	0.0867	trans-1,2-Dichloroethylene(ppb)	100	ND	ND	ND	TTHM(ppm)(ppb)	80	68.2	47.5	66.2
Cyanide (ppb)	200	ND	ND	ND	Dichloromethane(ppb)	5	ND	ND	ND	Toxaphene(ppb)	3	ND	ND	ND
Fluoride (ppm)	4	ND	1.2	0.591	1,2-Dichloropropane(ppb)	5	ND	ND	ND	2,4,5-TP (Silvex)(ppb)	50	ND	ND	ND
Lead (ppb)	AL=15	ND	ND	1.4	Di-(2-ethylhexyl)adipate(ppb)	400	ND	ND	ND	1,2,4-Trichlorobenzene(ppb)	70	ND	ND	ND
Mercury (ppb)	2	ND	ND	ND	Dij(2-ethylhexyl)phthalates(ppb)	6	ND	ND	ND	1,1,1-Trichloroethane(ppb)	200	ND	ND	ND
Nitrate (ppm)	10	ND	0.2	ND	Dinoseb(ppb)	7	ND	ND	ND	1,1,2-Trichloroethane(ppb)	5	ND	ND	ND
Nitrite (ppm)	1	ND	ND	ND	Dioxin(2,3,7,8-TCDD)(ppq)	30	ND	ND	ND	Trichloroethylene(ppb)	5	ND	ND	ND
Total Nitrate & Nitrite	10	ND	0.2	ND	Diquat(ppb)	20	ND	ND	ND	Vinyl Chloride(ppb)	2	ND	ND	ND
					Endothal(ppb)	100	ND	ND	ND	Xylenes(ppm)	10	ND	ND	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	Eclectic	Tallassee	Central Elmore	CONTAMINANT	MCL	Eclectic	Tallassee	Central Elmore	CONTAMINANT	MCL	Eclectic	Tallassee	Central Elmore
Secondary														
Aluminum	0.2	ND	0.02	ND	Foaming Agents	0.5	ND	ND	ND	Silver	7	ND	ND	ND
Chloride	250	ND	5.8	8.8	Iron	0.3	ND	ND	0.07	Sulfate	70	ND	6.1	14.50
Color (PCU)	15	ND	ND	ND	Magnesium	75	ND	ND	1.24	Total Dissolved Solids	500	ND	66	58.00
Copper	1	ND	ND	0.0192	Odor (T.O.N.)	5	ND	ND	ND	Zinc	5	ND	ND	0.00
Special														
Calcium	N/A	ND	ND	2.71	pH (SU)	N/A	NR	6.4	8.5	Temperature (*C)	N/A	ND	ND	ND
Carbon Dioxide	N/A	ND	ND	ND	Sodium	N/A	NR	11.2	16.1	Total Alkalinity	N/A	ND	ND	34
Manganese	0.05	ND	ND	0.004	Specific Conductance (umhos)	<500	NR	ND	115	Total Hardness (as CaCO3)	N/A	ND	12.1	24
Unregulated														
1,1 - Dichloropropene	N/A	ND	ND	ND	Bromobenzene	N/A	ND	ND	ND	Hexachlorobutadiene	N/A	ND	ND	ND
1,1,2,2-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	1.80	5.02	M-Dichlorobenzene	N/A	ND	ND	ND
1,2,3 - Trichlorobenzene	N/A	ND	ND	ND	Bromoform	N/A	ND	ND	ND	Methomyl	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	11.00	23.1	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	0.89	P-Chlorotoluene	N/A	ND	ND	ND
Aldicarb	N/A	ND	ND	ND	Dibromomethane	N/A	ND	ND	ND	P-Isopropyloluene	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 Sulfoxide	N/A	ND	ND	ND	DiEldrin	N/A	ND	ND	ND	Sec - Butylbenzene	N/A	ND	ND	ND
Aldrin	N/A	ND	ND	ND	Fluorotrichloromethan	N/A	ND	ND	ND	Tert - Butylbenzene	N/A	ND	ND	ND
UCMR-4														
1,3-Dimethyl-2-nitrobenzene(S)	N/A		BMRL		Merphos-Oxone			N/A	BMRL	Bromodichloromethane	0.004			N/A
2-Methoxyethanol	N/A		BMRL		n-Butanol			N/A	BMRL	Chlorodibromoacetic Acid	N/A			N/A
2-Propen-1-ol (Allyl alcohol)	N/A		BMRL		O-Toluidine			N/A	BMRL	Dibromochloromethane	0.0008			N/A
alpha-BHC	N/A		BMRL		O-Toluidine-d9 (S)			N/A	BMRL	Dichloroacetic Acid	0.025			N/A
Anatoxin-a	N/A		NR		Oxyfluorfen			N/A	BMRL	HAA9 Group	N/A			ND
Benzo(a)pyrene-d12(S)	N/A		BMRL		Permethrin			N/A	BMRL	Haloacetic Acids (Total)	N/A			ND
Butylated Hydroxyanisole	N/A		BMRL		Profenofos			N/A	BMRL	Monobromoacetic Acid	N/A			N/A
Chloroform	0.031		BMRL		Quinotone			N/A	BMRL	Monochloroacetic Acid	0.002			N/A
Cylindrospermopsin	N/A		NR		Quinotone-d7(S)			N/A	BMRL	Total Brominated HAAs	N/A			N/A
Dimethipin	N/A		BMRL		Tebuconazole			N/A	BMRL	Tribromoacetic Acid	N/A			N/A
Ethoprop	N/A		BMRL		Total Microcystins and Nodularins			N/A	NR	Trichloroacetic Acid	0.012			N/A
Germanium	N/A		BMRL		Triphenylphosphohate(S)			N/A	BMRL	2,3-Dibromopropanoic Acid	N/A			N/A
Manganese	N/A		ND		Bromochloroacetic Acid			N/A	BMRL					

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
Bacteriological Contaminants January - December 2022										
Total Coliform Bacteria	0	< 5%				ND	ND	ND	Present or Absent	Naturally present in the environment
Turbidity	0	TT				NR	0.28	0.09	NTU	Soil runoff
Fecal Coliform & E. coli	0	0				ND	ND	ND	Present or Absent	Human and animal fecal waste
Radiological Contaminants January - December 2015										
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
Inorganic Contaminants January - December 2020-2022										
Barium	2	2	ND	-	0.01	ND	0.01	0.0110	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chlorine	MRDLG 4	MRDL 4	1.40	-	2.20	2.20	2.70	2.10	ppm	Water additive used to control microbes
Copper	1.3	40 Sites AL=1.3	No. of Sites above action level 0			0.0472	0.1300	0.087	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Fluoride	4	4	ND	-	0.86	ND	1.20	0.591	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			ND	ND	1.40	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
Organic Contaminants January - December 2022										
Haloacetic Acids (HAA5)	0	60	24.70	-	62.90	35.1avg	28.5avg	28.40	ppb	By-product of drinking water chlorination
Total Organic Carbon (TOC)	N/A	TT	ND	-	1.50	ND	1.50	1.62	TT	Naturally present in the environment
Total trihalomethanes (TTHM)	0	80	40.70	-	105.40	68.2avg	47.5avg	66.20	ppb	By-product of drinking water chlorination
Secondary Contaminants January - December 2021-2022										
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	5.80	8.80	ppm	Naturally occurring in the environment or as a result of agricultural runoff
Magnesium	N/A	0.05	ND	-	ND	ND	ND	1.24	ppm	Erosion of natural deposits
Sulfate	N/A	250	ND	-	5.70	ND	6.10	14.50	ppm	Naturally occurring in the environment
Total Dissolved Solids	N/A	500	ND	-	48.00	ND	66.00	58.00	ppm	Erosion of natural deposits
Zinc	N/A	5	ND	-	ND	ND	ND	0.00	ppm	Erosion of natural deposits
Special Contaminants January - December 2021-2022										
Calcium	N/A	N/A	ND	-	ND	ND	ND	2.71	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	6.40	8.50	SU	Naturally occurring in the environment or as a result of treatment with water additives
Sodium	N/A	N/A	ND	-	10.50	ND	11.20	16.10	ppm	Naturally occurring in the environment
Specific Conductance	N/A	<500	ND	-	ND	ND	ND	115.00	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	12.10	24.00	ppm	Naturally occurring in the environment or as a result of treatment with water additives
Unregulated Contaminants January - December 2022										
Bromodichloromethane	N/A	N/A	ND	-	1.80	ND	1.80	5.02	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	23.10	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	0.89	ppm	Naturally occurring in the environment

PFAS Compounds								
CONTAMINANT	RESULTS	UNITS	CONTAMINANT	RESULTS	UNITS	CONTAMINANT	RESULTS	UNITS
11Cl-PF3OUdS	ND	ug/L	Perfluorodecanoic Acid	ND	ug/L	Perfluorooctanoic Acid	0.000004	ug/L
9Cl-PF3ONS	ND	ug/L	Perfluorohexanoic Acid	0.000003	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			ug/L
Perfluorobutanesulfonic Acid	0.0000025	ug/L	Perfluorooctanesulfonic Acid	0.0000085	ug/L			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. The EPA has determined that your water IS SAFE at these levels. 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:

Eclectic Water Works & Sewer Board
507 Main Street
Eclectic, Al 36024
Telephone: 334-541-2840