Section 3 - 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	AMOUNT DETECTED	CONTAMINANT	MCL	AMOUNT DETECTED	CONTAMINANT	MCL	AMOUNT DETECTED
Bacteriological		**2015**	Selenium(ppb)	50	ND	Epichlorohydrin	TT	ND
Total Coliform Bacteria	< 5%	Absent	Thallium(ppb)	2	ND	Ethylbenzene(ppb) (2014)	700	3.00
Turbidity	TT	ND	**Organic Chemicals**		**2015**	Ethylene dibromide(ppt)	50	ND
Fecal Coliform & E. coli	0	ND	Acrylamide	TT	ND	Glyphosate(ppb)	700	ND
Radiological		**2014**	Alachlor(ppb)	2	ND	Haloacetic Acids(ppb)	60	37.00
Beta/photon emitters (mrem/yr)	4	Waived	Atrazine(ppb)	3	ND	Heptachlor(ppt)	400	ND
Alpha emitters (pci/l)	15	0 to 1.7	Benzene(ppb)	5	ND	Heptachlor epoxide(ppt)	200	ND
Combined radium (pci/l)	5	0.3 to 2.9	Benzo(a)pyrene[PHAs](ppt)	200	ND	Hexachlorobenzene(ppb)	1	ND
Uranium(pci/l)	30	ND	Carbofuran(ppb)	40	ND	Hexachlorocyclopentadiene(ppb)	50	ND
Inorganic		**2014**	Carbon Tetrachloride(ppb)	5	ND	Lindane(ppt)	200	ND
Antimony (ppb)	6	ND	Chlordane(ppb)	2	ND	Methoxychlor(ppb)	40	ND
Arsenic (ppb)	10	ND	Chlorobenzene(ppb)	100	ND	Oxamyl [Vydate](ppb)	200	ND
Asbestos (MFL)	7	Waived	2,4-D	70	ND	Pentachlorophenol(ppb)	1	ND
Barium (ppm)	2	ND	Dalapon(ppb)	200	ND	Picloram(ppb)	500	ND
Beryllium (ppb)	4	ND	Dibromochloropropane(ppt)	200	ND	PCBs(ppt)	500	ND
Bromate(ppb)	10	ND	0-Dichlorobenzene(ppb)	600	ND	Simazine(ppb)	4	ND
Cadmium (ppb)	5	ND	p-Dichlorobenzene(ppb)	75	ND	Styrene(ppb)	100	ND
Chloramines(ppm)	4	ND	1,2-Dichloroethane(ppb)	5	ND	Tetrachloroethylene(ppb)	5	ND
Chlorine(ppm) (2015)	4	ND	1,1-Dichloroethylene(ppb)	7	ND	Toluene(ppm)	1	ND
Chlorine dioxide(ppb)	800	ND	Cis-1,2-Dichloroethylene(ppb)	70	ND	TOC	TT	ND
Chlorite(ppm)	1	ND	trans-1,2-Dichloroethylene(ppb)	100	ND	TTHM(ppb)	80	10.00
Chromium (ppb)	100	ND	Dichloromethane(ppb)	5	ND	Toxaphene(ppb)	3	ND
Copper (ppm)	AL=1.3	0.55	1,2-Dichloropropane(ppb)	5	ND	2,4,5-TP (Silvex)(ppb)	50	ND
Cyanide (ppb)	200	ND	Di-(2-ethylhexyl)adipate(ppb)	400	ND	1,2,4-Trichlorobenzene(ppb)	70	ND
Fluoride (ppm)	4	0.70	Di(2-ethylhexyl)phthlates(ppb)	6	ND	1,1,1-Trichloroethane(ppb)	200	ND
Lead (ppb)	AL=15	10.00	Dinoseb(ppb)	7	ND	1,1,2-Trichloroethane(ppb)	5	ND
Mercury (ppb)	2	ND	Dioxin[2,3,7,8-TCDD](ppq)	30	Waived	Trichloroethylene(ppb)	5	ND
Nitrate (ppm)	10	0.80	Diquat(ppb)	20	ND	Vinyl Chloride(ppb)	2	ND
Nitrite (ppm)	1	ND	Endothall(ppb)	100	ND	Xylenes(ppm) (2014)	10	0.02
Total Nitrate & Nitrite	10	0.80	Endrin(ppb)	2	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 occurance of unregulated contaminants in drinking water and whether future regulation is warranted.

CONTAMINANT	MCL	DETECT	CONTAMINANT	MCL	DETECT	CONTAMINANT	MCL	DETECT
Secondary 2013								
Aluminum	0.2	ND	Foaming Agents	0.5	1.20	Silver	7	ND
Chloride	250	ND	Iron	0.3	0.30	Sulfate	70	ND
Color (PCU)	15	15.00	Magnesium	75	1.82	Total Dissolved Solids	100	120
Copper	1	ND	Odor (T.O.N.)	5	1.00	Zinc	5	0.29
Special 2013								
Calcium	N/A	7.90	pH (SU)	N/A	7.66	Temperature (°C)	N/A	ND
Carbon Dioxide	N/A	13	Sodium	N/A	14.70	Total Alkalinity	N/A	42
Manganese	0.05	ND	Specific Conductance (umhos)	<500	116.00	Total Hardness (as CaCO3)	N/A	20
Unregulated 2014								
1,1 - Dichloropropene	N/A	ND	Bromobenzene	N/A	ND	Hexachlorobutadiene	N/A	ND
1,1,2,2-Tetrachloroethane	N/A	ND	Bromochloromethane	N/A	ND	Isopropylbenzene	N/A	ND
1,1-Dichloroethane	N/A	ND	Bromodichloromethane	N/A	1.90	M-Dichlorobenzene	N/A	ND
1,2,3 - Trichlorobenzene	N/A	ND	Bromoform	N/A	3.50	Methomyl	N/A	ND
1,2,3 - Trichloropropane	N/A	ND	Bromomethane	N/A	ND	Metolachlor	N/A	ND
1,2,4 - Trimethylbenzene	N/A	ND	Butachlor	N/A	ND	Metribuzin	N/A	ND
1,2,4-Trichlorobenzene	N/A	ND	Carbaryl	N/A	ND	MTBE	N/A	ND
1,3 - Dichloropropane	N/A	ND	Chloroethane	N/A	ND	N - Butylbenzene	N/A	ND
1,3 - Dichloropropene	N/A	ND	Chlorodibromomethane	N/A	ND	Naphthalene	N/A	ND
1,3,5 - Trimethylbenzene	N/A	ND	Chloroform	N/A	1.40	N-Propylbenzene	N/A	ND
2,2 - Dichloropropane	N/A	ND	Chloromethane	N/A	ND	O-Chlorotoluene	N/A	ND
3-Hydroxycarbofuran	N/A	ND	Dibromochloromethane	N/A	3.90	P-Chlorotoluene	N/A	ND
Aldicarb	N/A	ND	Dibromomethane	N/A	ND	P-Isopropyltoluene	N/A	ND
Aldicarb Sulfone	N/A	ND	Dichlorodifluoromethane	N/A	ND	Propachlor	N/A	ND
Aldicarb Sulfoxide	N/A	ND	Dieldrin	N/A	ND	Sec - Butylbenzene	N/A	ND
Aldrin	N/A	ND	Fluorotrichloromethan	N/A	ND	Tert - Butylbenzene	N/A	ND

Section 4 - Table of Detected Drinking Water Contaminants

CONTAMINANT	MCLG	MCL	Range			Amount Detected		Likely Source of Contamination
Radiological Contaminants								
Alpha emitters	0	15				0 to 1.7	pCi/L	Erosion of natural deposits
Combined Radium -226 & -228	0	5				0.3 to 2.9	pCi/L	Erosion of natural deposits
Inorganic Contaminants								
Copper	1.3	10 Sites AL=1.3	No. of Sites above action level 0			0.55	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Fluoride	4	4	0.40	-	0.70	0.70	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			10.00	ppb	Corrosion of household plumbing systems, erosion of natural deposits
Nitrate (as N)	10	10	ND	-	0.80	0.80	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Total Nitrate & Nitrite	10	10	ND	-	0.80	0.80	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Organic Contaminants								
Ethylbenzene	700	700	ND	-	3.00	3.00	ppb	Discharge from petroleum refineries
Haloacetic Acids (HAA5)	0	60	ND	-	37.00	37.00	ppb	By-product of drinking water chlorination
Total trihalomethanes (TTHM)	0	80	ND	-	10.00	10.00	ppb	By-product of drinking water chlorination
Xylene (total)	10	10	ND	-	0.02	0.02	ppm	Discharge from petroleum factories; discharge from chemical factories
Secondary Contaminants								
Color	N/A	15	ND	-	15.00	15.00	PCU	Naturally occurring in the environment or as a result of treatment with water additives
Foaming Agents	N/A	0.5	ND	-	1.20	1.20	ppm	Naturally occurring in the environment
Iron	N/A	0.3	ND	-	0.30	0.30	ppm	Erosion of natural deposits
Magnesium	N/A	0.05	0.72	-	1.82	1.82	ppm	Erosion of natural deposits
Odor	N/A	3	ND	-	1.00	1.00	T.O.N.	Naturally occurring in the environment or as a result of treatment with water additives
Total Dissolved Solids	N/A	500	49.00	-	120.00	120.00	ppm	Erosion of natural deposits
Zinc	N/A	5	ND	-	0.29	0.29	ppm	Erosion of natural deposits
Special Contaminants								
Calcium	N/A	N/A	3.70	-	7.90	7.90	ppm	Erosion of natural deposits
Carbon Dioxide	N/A	N/A	2.00	-	13.00	13.00	ppm	Erosion of natural deposits
pH	N/A	N/A	7.21	-	7.66	7.66	SU	Naturally occurring in the environment or as a result of treatment with water additives
Sodium	N/A	N/A	2.60	-	14.70	14.70	ppm	Naturally occurring in the environment
Specific Conductance	N/A	500	61.00	-	116.00	116.00	umhos	Naturally occurring in the environment or as a result of treatment with water additives
Total Alkalinity	N/A	N/A	16.00	-	42.00	42.00	ppm	Erosion of natural deposits
Total Hardness (as CaCO3)	N/A	N/A	ND	-	20.00	20.00	ppm	Naturally occurring in the environment or as a result of treatment with water additives
Unregulated Contaminants								
Bromodichloromethane	N/A	N/A	ND	-	1.90	1.90	ppb	Naturally occurring in the environment or as a result of industrial discharge or agricultural runoff; by-product of chlorination
Bromoform	N/A	N/A	ND	-	3.50	3.50	ppm	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	-	1.40	1.40	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	-	3.90	3.90	ppm	Naturally occurring in the environment

Section 6- Educational Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people 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 (800-426-4791). All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk

Section 7 - Lead Notice

Every report shall contain the following lead-specific information: 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. WHWS 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're 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

Frequently Asked Questions

Is my water safe?

We are proud your drinking water meets or exceeds all Federal and state requirements. We have learned through our monitoring and testing that some constituents have been detected, Section 4, Table of Detected Contaminants. The EPA has determined that your water IS SAFE at these levels.

Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. DPA / Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants.

What customers can do to protect our water supply?

There are several things you can do to help protect your water system's source of supply.

Here are two:

1. Properly dispose of all chemicals in accordance with the procedures outlined on their containers.

2. Be vigilant of our system's wells, water towers and hydrants. Report all suspicious activity at these facilities to the police.

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