

## Montana Regulated Contaminants for Drinking Water At-A-Glance

### A Quick Reference Guide to Chemicals and their Classifications

Provided by:

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<b><u>Microbiological Contaminants:</u></b> [Sampling Points as listed]	<b><u>Radionuclides Contaminants (RAD's):</u></b> [Entry Point]
Total Coliform [Distribution Sample]	Gross Alpha, Excl. Radon & U
E. Coli / Fecal Coliform [Distribution Sample]	Combined Uranium
Turbidity [Entry Point or After Filtration]	Combined Radium (-226 & -228)
Total Organic Carbon (TOC) [Entry Point or After Filtration]	
Cryptosporidium [Source Water]	
Giardia lamblia [3 log inactivation/no sampling]	

<b><u>Inorganic Contaminants (IOC's), Metals:</u></b> [Entry Point (EP) Samples]		
<b><u>Original IOC's</u></b>	<b><u>Phase 2</u></b>	<b><u>Phase 5</u></b>
Arsenic	Barium	Antimony
Nitrate/Nitrite	Cadmium	Beryllium
Fluoride	Chromium	Nickel
	Fluoride	Thallium
	Mercury	
	Selenium	
<b><u>Asbestos Regulation:</u></b> [Distribution Sample]		
Asbestos ( <i>Sampling only required for Distribution systems w/ AC Pipe/All other systems fill out waiver</i> )		
<b><u>Lead and Copper Rule (LCR)</u></b> [Distribution Sample]		
Copper		
Lead		
<b><u>MT Statewide Waiver</u></b>		
Asbestos (at the source)		
Cyanide		

<b><u>Synthetic Organic Contaminants (SOC's):</u></b> [Entry Point (EP) Samples]		
<b><u>Method 515 – Herbicides</u></b>	<b><u>Method 525 – Pesticides</u></b>	<b><u>Method 531 – Carbamate Pesticides</u></b>
2,4-D	Di (2-ethylhexyl) phthalate	Carbofuran
2,4,5-TP (Silvex)	Alachlor	Oxamyl [Vydate]
Dalapon	Atrazine	Aldicarb sulfoxide
Dinoseb	Benzo(a)pyrene [PAH]	Aldicarb sulfone
Picloram	Chlordane	Aldicarb
	Di (2-ethylhexyl) adipate	
	Endrin	
	Heptachlor	
	Heptachlor epoxide	
	Hexachlorobenzene	
	Hexachlorocyclopentadiene	
	Methoxychlor	
	Pentachlorophenol	
	Simazine	
	Toxaphene	
	gamma-BHC; Lindane	
	Di(2-ethylhexyl) phthalate	
<b><u>Statewide Waivers:</u></b>		
Endothall	Glyphosphate	Ethylenedibromide
Diquat	Dioxin	Dibromochloropropane

**Volatile Organic Contaminants (VOC's), Solvents:****Standard VOC Monitoring Group: [Entry Point Samples]**

Benzene	Ethylbenzene
Carbon Tetrachloride	Styrene
Monochlorobenzene; Chlorobenzene	Tetrachloroethylene
o-Dichlorobenzene	1,2,4-Trichlorobenzene
p-Dichlorobenzene	1,1,1,-Trichloroethane
1,2-Dichloroethane	1,1,2-Trichloroethane
1,1-Dichloroethylene	Trichloroethylene
cis-1,2-Dichloroethylene	Toluene
trans-1,2-Dichloroethylene	Vinyl Chloride
Dichloromethane; methylene chloride	Xylenes, Total
1,2-Dichloropropane	TTHMs [Total Trihalomethanes]

**Disinfectants: [Distribution Samples]**

Chloramines  
Chlorine  
Chlorine Dioxide

**Disinfectant By-Products: [Distribution Samples]**

Haloacetic Acids (HAA's) → From Chlorine & Chloramines  
TTHMs [Total Trihalomethanes] → From Chlorine & Chloramines  
Chlorite → From Chlorine Dioxide  
Bromate → From Ozone

This chemical list was developed to aid operators & managers of public water supplies in developing their systems sampling schedules. Montana DEQ's Public Water Supply Online Query Reports do not list whether a sampled contaminant is a VOC or an SOC, or whether an IOC contaminant that was sampled belongs to phase 2 or phase 5. There are also systems that only are required to sample for a particular method of VOC's. While every effort was made to insure that the information listed is accurate, this is an unofficial document, provided only as aid to help water systems better understand their sampling/monitoring requirements. Please contact MRWS if you find any mistakes in this document.