List of Constituents to be Analyzed with EPA Testing Methods and Permit Limits

Total Metals				
Parameter Name	**Regulatory Limit (mg/L)**	**Detection Limit(mg/L)**	**Standard Type**	**Analytical Methods**
Antimony	0.006	0.003	MCL	200.8, 200.9
Arsenic	0.01	0.005	MCL	200.7, 200.8, 200.9
Barium	2	1	MCL	200.7, 200.8
Beryllium	0.004	0.002	MCL	200.7, 200.8, 200.9
Boron	1.4	0.7	HA-Lifetime	200.7, 212.3
Cadmium	0.005	0.0025	MCL	200.7, 200.8, 200.9
Chromium(total)	0.1	0.05	MCL	200.7, 200.8, 200.9
Copper	1.3	0.65	MCL-TT	200.7, 200.8, 200.9
Iron	5	2.5	Region 8 Permit Limit	200.7, 200.9
Lead	0.015	0.0075	MCL-TT	200.8, 200.9
Manganese	0.8	0.4	Region 8 Permit Limit	200.7, 200.8, 200.9
Mercury (inorganic)	0.002	0.001	MCL	245.1, 245.2, 200.8
Molybdenum	0.04	0.02	HA-Lifetime	200.7, 246.1, 246.2
Nickel	0.1	0.05	HA-Lifetime	200.7, 200.8, 200.9
Selenium	0.05	0.025	MCL	200.8, 200.9
Silver	0.1	0.05	HA-Lifetime	200.7, 200.8, 200.9
Strontium	4	2	HA-Lifetime	272.1, 272.2, 200.7
Thallium	0.002	0.001	MCL	200.8, 200.9
Zinc	2	1	HA-Lifetime	200.7, 200.8

Volatile Organic Compounds				
Parameter Name	**CAS No**	**Permit Limit (mg/L)**	**Method 524.2 Detection Limit (microg/L)**	**Standard Type**
1,1,1,2-Tetrachloroethane	630-20-6	0.07	0.04	HA-Lifetime
1,1,1-Trichloroethane	71-55-6	0.2	0.04	MCL
1,1,2,2-Tetrachloroethane	79-34-5	0.0003	0.2	HA-Lifetime
1,1,2-Trichloroethane	79-00-5	0.005	0.03	MCL
1,1-Dichloroethylene	75-35-4	0.007	0.05	MCL
1,2-(cis)Dichloroethylene	156-59-2	0.07	0.06	MCL
1,2-(trans)Dichloroethylene	156-60-5	0.1	0.03	MCL
1,2,3-Trichloropropane	96-18-4	0.04	0.03	HA-Lifetime
1,2,4-Trichlorobenzene	120-82-1	0.07	0.02	MCL
1,2-Dibromomethane (Ethylene Dibromide EDB)	106-93-4	0.00005	0.02	MCL
1,2-Dichlorobenzene o-	95-50-1	0.6	0.05	MCL
1,2-Dichloroethane	107-06-2	0.005	0.02	MCL
1,2-Dichloropropane	78-87-5	0.005	0.02	MCL
1,3-Dichlorobenzene m-	541-73-1	0.6	0.02	HA-Lifetime
1,4-Dichlorobenzene p-	106-46-7	0.075	0.05	MCL
2-Chlorotoluene (o-)	95-49-8	0.1	0.05	HA-Lifetime
4-Chlorotoluene (p-)	106-43-4	0.1	0.05	HA-Lifetime
Benzene	71-43-2	0.005	0.03	MCL

Volatile Organic Compounds				
Parameter Name	**CAS No**	**Permit Limit (mg/L)**	**Method 524.2 Detection Limit (microg/L)**	**Standard Type**
Bromobenzene	108-86-1	4	0.11	HA-Ten Day
Bromochloromethane	74-97-5	0.09	0.07	HA-Lifetime
Bromodichloromethane (THM)	75-27-4	0.08	0.03	MCL
Bromoform (THM)	75-25-2	0.08	0.2	MCL
Bromomethane	74-83-9	0.01	0.06	HA-Lifetime
Carbon tetrachloride	56-23-5	0.005	0.08	MCL
Chlorobenzene (Monochlorobenzene)	108-90-7	0.1	0.03	MCL
Chlorodibromomethane (Dibromochloromethane) (THM)	124-48-1	0.08	0.07	MCL
Chloroform (THM)	67-66-3	0.08	0.02	MCL
Chloromethane	74-87-3	0.03	0.05	HA-Lifetime
Dichlorodifluoromethane	75-71-8	1	0.11	HA-Lifetime
Dichloromethane (Methylene chloride)	75-09-2	0.005	0.09	MCL
Ethylbenzene	100-41-4	0.7	0.03	MCL
Hexachlorobutadiene	87-68-3	0.001	0.04	HA-Lifetime
Hexachloroethane	67-72-1	0.001	0.057	HA-Lifetime
Isopropylbenzene (cumene)	98-82-8	4	0.1	HA-DWEL
Naphthalene	91-20-3	0.1	0.04	HA-Lifetime
Perchloroethylene (PCE) (Tetrachloroethylene)	127-18-4	0.005	0.05	MCL
Styrene	100-42-5	0.1	0.06	MCL
Toluene	108-88-3	1	0.08	MCL
Total Trihalomethanes		0.08	N/A	MCL
Trichloroethylene (TCE)	79-01-6	0.005	0.02	MCL
Trichlorofluoromethane	75-69-4	2	0.07	HA-Lifetime
Vinyl chloride	75-01-4	0.002	0.04	MCL
Total Xylenes	1330-20-7	10	N/A	MCL

***Method 524.2 or 8260 is recommended for analyses of these constituents**

MCL: Maximum Contaminant Level. The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLG as feasible using the best available analytical and treatment technologies and taking cost into consideration. MCLs are enforceable standards.

MCLG: Maximum Contaminant Level Goal. A non-enforceable health goal which is set at a level at which no known or anticipated adverse effect on the health of persons occurs and which allows an adequate margin of safety.

TT: Treatment Technique. A required process intended to reduce the level of a contaminant in drinking water.

HA: Health Advisory. An estimate of acceptable drinking water levels for a chemical substance based on health effects information; a Health Advisory is not a legally enforceable Federal standard, but serves as technical guidance to assist Federal, State, and local officials.

HA-Lifetime: The concentration of a chemical in drinking water that is not expected to cause any adverse noncarcinogenic effects for a lifetime of exposure. The Lifetime HA is based on exposure of a 70-kg adult consuming 2 liters of water per day. The Lifetime HA for Group C carcinogens includes an adjustment for possible carcinogenicity.

HA-DWEL: Drinking Water Equivalent Level. A lifetime exposure concentration protective of adverse, non-cancer health effects, that assumes all of the exposure to a contaminant is from drinking water.

SDWR: Secondary Drinking Water Regulations. Non-enforceable Federal guidelines regarding cosmetic effects (such as tooth or skin discoloration) or aesthetic effects (such as taste, odor, or color) of drinking water.

Region 8 Permit Limit: Permit limit calculated by Region 8 Drinking Water Toxicologist based on human health criteria.

10^{-4} Cancer Risk: The concentration of a chemical in drinking water corresponding to an excess estimated lifetime cancer risk of 1 in 10,000

HA-Ten Day: The concentration of a chemical in drinking water that is not expected to cause any adverse non-carcinogenic effects for up to ten days of exposure for a 10 kg child consuming 1 liter per day.

RfD: Reference Dose. An estimate (with uncertainty spanning perhaps an order of magnitude) of a daily oral exposure to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime.