Community & Non-Transient Water Systems Routine Chemical Monitoring*

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THIS SHEET REPRESENTS ROUTINE MONITORING. INITIAL MONITORING IS SET UP DURING THE PLAN REVIEW PROCESS.

Chemicals	Surface Water	Ground Water
Inorganics[1]	Yearly	Every three years
Nitrate	Quarterly[2]	Yearly
Volatile Organics[3]	Yearly	Every three years
Disinfection Byproducts[4]	Quarterly[4]	Yearly[4]
Synthetic Organics[3, 5]	Every three years	
Nitrite	Every three years	
Asbestos	Every nine years[6]	
Radionuclides (Community PWS only)	4 consecutive quarters[7]	
Lead and Copper	One round yearly[8]	

* Waivers, reductions, detections, source changes, and/or action level violations will affect the sampling requirements. You will find details on number, location and timing of samples in the Rules (see web page at www.oregon.gov/DHS/ph/dwp). Send all sample results to: Oregon Health Authority, Drinking Water Services, P.O. Box 14350, Portland, OR 97293-0350. E-mail: dwp.dmce@state.or.us Fax: 971-673-0694

[1] **Inorganics**: Testing may be reduced to one sample every 9 years if three rounds of sampling (1993 and beyond) are completed and there are no Maximum Contaminant Level (MCL) violations.

[2] **Nitrate:** Systems can reduce sampling to annually after 4 quarters. Quarterly sampling could be required for any results above 5.5 mg/l.

[3] **Synthetic and Volatile Organics**: Testing for individual contaminates may be reduced to one sample every 6 years or 9 years, based on an approved Drinking Water Protection Program or a Use and Susceptibility Waiver.

[4] **Disinfection Byproducts** (DBP): DBP rule is currently transitioning from Stage 1 DBP rule to Stage 2 DBP rule. Consult county or state program staff and/or our webpage for further details.

[5] **Synthetic Organics**: Systems with population of greater than 3,300 must do two consecutive quarterly samples for Synthetic Organic chemicals in the compliance period.

[6] **Asbestos**: Routine monitoring is one sample every 9 years if the system has asbestos-cement (A/C) pipe, or is located in an identified geographic area. Waivers may eliminate this testing.

[7] **Radionuclides**: Four consecutive quarters of Gross Alpha, Combined Radium 226/228, and Uranium must be collected since 2004 unless grandparented data (1 sample collected between 12/7/00 and 12/8/03) is available.

[8] **Lead and Copper**: Routine testing frequency is yearly following a minimum of 2 rounds of 6-month tap sampling. Monitoring may be further reduced to a 3-year schedule. The required number of sample sites for each round is based on the population. Consult county or state program staff and/or our webpage for further details.

This table supersedes previous editions. Revised November 2014

Contaminants and Maximum Levels

Inorganics	mg/L
Antimony Total	0.006
Arsenic	0.010[A]
Asbestos	7 MFL[B]
Barium	2
Beryllium Total	0.004
Cadmium	0.005
Chromium	0.1
Cyanide	0.2
Fluoride	4.0
Mercury	0.002
Nickel	Nickel MCL under review
Nitrate	10
Nitrate-Nitrite	10
Nitrite	1
Selenium	0.05
Sodium	20[C]
Thallium Total	0.002

Lead and Copper [D]	
Lead	0.015
Copper	1.3

Volatile Organics	
1,1-Dichloroethylene	0.007
1,1,1-Trichloroethane	0.2
1,1,2-Trichloroethane	0.005
1,2-Dichloropropane	0.005
1,2-Dichloroethane	0.005
1,2,4-Trichlorobenzene	0.07
Benzene	0.005
Carbon Tetrachloride	0.005
Cis-1,2-Dichloroethylene	0.07
Dichloromethane	0.005
Ethylbenzene	0.7
Monochlorobenzene	0.1
O-Dichlorobenzene	0.6
P-Dichlorobenzene	0.075
Styrene	0.1
Tetrachloroethylene (PCE)	0.005
Toluene	1.0
Total Xylenes	10.0
Trans-1,2-Dichloroethylene	0.1
Trichloroethylene (TCE)	0.005
Vinyl Chloride	0.002

Radionuclides	
Gross alpha particles	15 pCi/L[E]
Combined radium 226/228	5 pCi/L[E]
Uranium	0.03
Beta/photon emitters	4 mrem/yr[F]

Synthetic Organics	mg/l
2,4-D	0.07
2,4,5-TP (Silvex)	0.05
Adipates Di(2-ethylhexy)	0.4
Alachlor (Lasso)	0.002
Atrazine	0.003
Benzo(A)Pyrene (PAH's)	0.0002
BHC-gamma (Lindane)	0.0002
Carbofuran	0.04
Chlordane	0.002
Dalapon	0.2
Dibromochloropropane (DBCP)	0.0002
Dinoseb	0.007
Dioxin (2,3,7,8-TCDD)	$3x10^{-8}$
Diquat	0.02
Endothall	0.1
Endrin	0.002
Ethylene Dibromide (EDB)	0.00005
Glyphosate	0.7
Heptachlor Epoxide	0.0002
Heptachlor	0.0004
Hexachlorobenzene (HCB)	0.001
Hexachlorocyclopentadiene (HEX)	0.05
Methoxychlor	0.04
Pentachlorophenol	0.001
Phthalates Di(2-ethylhexy) (DEHP)	0.006
Picloram	0.5
Polychlorinated Biphenyls (PCB)	0.0005
Simazine	0.004
Toxaphene	0.003
Vydate (Oxamy)	0.2

Disinfection Byproducts	
Total Trihalomethanes (TTHM's)	0.080[G]
Chloroform	
Bromodichloromethane	
Dibromochloromethane	
Bromoform	
Total Haloacetic Acids (HAA5's)	0.060[H]
Monochloroacetic acid	
Dichloroacetic acid	
Trichloroacetic acid	
Monobromoacetic acid	
Dibromoacetic acid	
Chlorite	1.0
Bromate	0.010

[A] MCL lowered to 0.010 mg/L on 1/23/06
[B] Million Fibers per liter
[C] Advisory only
[D] Action level
[E] Picocuries per liter
[F] Millirems per year
[G] Combined total MCL for all four Trihalomethanes
[H] Combined total MCL for all five Haloacetic Acids