



Lead & Copper Sample Submission Form

January 2024

Prices subject to change

STATE OF MONTANA ENVIRONMENTAL LABORATORY

P.O. Box 4369, Helena, MT 59604
(406) 444-3444, Toll-Free (800) 821-7284

<https://dphhs.mt.gov/publichealth/LaboratoryServices/EnvironmentalLaboratory>

Test information and collection instructions are provided on the back of this form. Lead & Copper \$42 per sample. Water quality parameters are extra.

Sample Information

PWS #:	
System Name:	
Collection Date:	
Collected By:	Phone:

Billing Information

Send Report Via: Email Mail

Account # (G #):	Phone:
Name of Payee:	
Address:	
Email Results To:	

*Circle **Yes** or **No** to indicate if Water Quality Parameters are required (Alkalinity, Calcium, Conductivity). If **Yes**, temperature and pH and should be measured on-site at the time of sampling. See back of page for more information.

Bottle #	Sample Location	Collection Date	Collection time	Water Quality Parameters*		For Laboratory Use Only	
						Turbidity	Lab Number
				Yes No	pH: _____ °C		
				Yes No	pH: _____ °C		
				Yes No	pH: _____ °C		
				Yes No	pH: _____ °C		
				Yes No	pH: _____ °C		
				Yes No	pH: _____ °C		
				Yes No	pH: _____ °C		
				Yes No	pH: _____ °C		
				Yes No	pH: _____ °C		

<p style="text-align: center;">Payment Received</p> <p>Amount: _____</p> <p>Check #: _____</p> <p>Check Dated: _____</p> <p>Payer: _____</p> <p>Received By: _____</p>	<p>FOR LABORATORY USE ONLY</p> <p>Date / Time Received: _____ @ _____</p> <p>Received By: _____</p> <p>Reviewed By: _____</p> <p>Login Review: _____</p> <p>Delivery: Walk in Courier USPS UPS FedEx</p>	<p>Number of Bottles Received:</p> <p>Samples preserved in lab with HNO₃</p> <p>All samples pH <2 checked?</p> <p style="text-align: center;">Y N Date: _____</p>
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LEAD AND COPPER SAMPLE COLLECTION

1. Samples must be collected after water has been sitting in the pipes for at least 6 hours.
2. Make sure not to touch the inside of the cap or the bottle top.
3. Using a kitchen or bathroom cold water faucet, hold the open bottle below the faucet and gently turn on the tap. Fill the bottle to within ½ inch of the top and turn off the tap. Cap the bottle tightly to prevent leakage.
4. Complete the front of this Request Form, providing ALL requested information.
5. Keep the sample cool until it is returned to the laboratory.
6. If more than one sample is required, they must be collected from different areas of the Distribution System. If only one site is available, each sample must be separated by a *minimum of 6 hours in collection time*.

WATER QUALITY PARAMETERS

3.4.6 Treatment Technique Requirements when ALs Are Exceeded

Water Quality Parameters information can be found in Section 3.4.6 of Montana Department of Environmental Quality's (DEQ) Drinking Water Regulations Summary Community and non-Transient Non-Community Water Systems (May 2010 revision).

Water quality parameter (WQP) monitoring

Systems that serve >50,000 people or exceed either Action Level (AL) must collect WQP samples. This monitoring is used to determine water corrosivity, to help DEQ identify the type of OCCT to be installed and how it should be operated. Table 3.7 includes the most frequently analyzed WQPs.

Table 3.7 Water Quality Parameters	
pH ¹	Orthophosphate ²
Alkalinity	Silica ³
Calcium	Temperature ¹
Conductivity	
1 Measured on-site. 2 Applies when a phosphate-containing inhibitor is used. 3 Applies when a silicate-containing inhibitor is used.	

Prior to Optimal Corrosion Control Treatment (OCCT) installation, samples are collected at taps and each entry point to the distribution systems (EPTDS) during monitoring period(s) in which the AL is exceeded (See Table 3.8 for tap sample number). After OCCT installation, follow-up monitoring is conducted during 2 consecutive 6-month periods. After follow-up monitoring, DEQ sets optimal WQP (OWQP) specifications that define OCCT. Monitoring continues at a frequency specified by DEQ. Reduced tap WQP monitoring is available for PWSs that operate OCCT that meet their OWQP specifications.

Table 3.8 Number of WQP Tap Sample Sites		
System Size	Standard	Reduced
> 100K	25	10
100K – 10,000 ¹	10	7
3,301 – 10K	3	3
501 – 3,300	2	2
≤500	1	1