

Mailing address

Shipping address and physical location



MURPHY-BROWN LLC WATER QUALITY LABORATORY

"PROGRESS THROUGH KNOWLEDGE" Telephone

Email

Certifications

Water Quality Laboratory Water Quality Oklahoma Panhandle State U. Oklahoma P Science and Agriculture Building – Room 119 P.O. Box 43/ P.O. Box 43/ 417 W. Sewell St. Goodwell, OK 73939 Goodwell, C				ity Laboratory Ger ³ anhandle State U. Fax 0 OX 73939			neral and Sample Receiving: 580-349-1563 : 580-349-1567	waterlab@opsu.edu <u>Website</u> www.waterlab.opsu.ec		USEPA: OK01026 ODEQ: D9938 KDHE: E10394 du TCEQ: T104704496				
Individual or Company name PV							D# or WP Effluent Permit# GENERAL S			AL S	AMPLE SUBMISSION FORM			
Mailing address						I		Notes and	l alternate billir	g information				
Contact name Telephone														
Telephone number		Fax number		Check prefer fax for report and invoice		er fax and invoice	E-mail address	ress			Check prefer email Check prefer email Check prefer email Check prefer email for for the contract of the contra		check prefer regular mail or report and invoice	
TESTING	For all W	'S and WP	COMPLIANCE	MONI	ORING	SAMPLES	SAMPLE C	OLLE	CTION		Received by	Date / Time	Report data to state agent	
REQUEST		Enter <u>mg/L</u> chlorine test	For Bac-T sample	sac-i ana	CHEIVIICA	Enter relation to original sampl	• See other side of this form f	or samplir	ng instruction	าร	Receipt from customer	Receipt from courier	Found on desk/hallway	
	If WS Bac-T RT sample must be from facility DS (distribution	value (assumed as "free" unless "total" entered)	TCR Total Coliform Rule GWR Ground Water Rule	RT Routine	щ	OR = Original site UP = Upstream within 5 connect DN = Downstrear	 Container types, volumes ar <u>MUST BE</u> in compliance with 	nd temperation regulation	atures		COC form completed at time of receipt	Container coding/labeli needed corre	ing Received with solid ection ice present	
Examples Bac-T Fecal coliform Nitrate Lead VOC	system) or POE (point of entry). GWR sample must be from WL (well).	- OR - Enter <u>NCS</u> for non-chlorinated system	Otherwise CHEM Chemical Sample	RP Repeat SP Line test	cation cod	within 5 connects NF = Near first service OT = Other If Bac-T	Samples will be rejected at the laboratory if requirements are not met. Temperature (°C) Aquacheck Adjustment Pipet ID				Chlorine Aquacheck ID Pipet ID	Identification		
Hardness Alkalinity	ID	CHLORINE	CODE	CODE	Ę	Repeat (Type = RP)	or LOCATION	BY	DATE	TIME	Reading Actual	Value (mg/L)	Container LIMS	
Chain-of-Custody >>>	Custody Relinquished by/Date/Time				Received by/Date/Time				Received by/Date/Time					

WATER SAMPLING INSTRUCTIONS	Samples ARE REJECTED at the laboratory								
READ and UNDERSTAND all instructions BEFORE COLLECTING samples	for ANY of the following reasons.								
Additional information is available on our website, waterlab.opsu.edu	1. Incomplete documentation including collection date and time, sample location or type, sampler's								
Note the following general sampling instructions	name, and if applicable, PWSID number and chlorine residual.								
 Make sure you have the appropriate container for the intended sample type. Try to select a faucet that is indoors, without obvious contamination, not connected to a softener. 	Sample is not in approved bottle. Bottle does not contain proper sample volume.								
or other filtering device, without swivel head and without hot and cold water mixing in the same valve.	4. Sample is not at the proper temperature. All frozen samples are rejected. See specific temperature								
Sample from a cold water faucet.	requirements. 5. Sample contains incorrect or inappropriate preservative.								
 A call and a containers clearly and unambiguously. Use an indelible marker 	 Sample is outside of the allowed maximum holding time when received at the laboratory. 								
or attach labels that are water proof and will not detach from the container.	, , , , , , , , , , , , , , , , , , ,								
Complete the sample submission form where indicated. Date and time of collection and sampler identification are required									
6. Where required, properly preserve the sample and deliver it to the lab within the required time limit.									
SPECIAL INSTRUCTIONS for BAC-T									
Step 1 PREPARE SAMPLE POINT	Step 5 SAMPLE COLLECTION								
 Ideally, select an indoor faucet, without obvious contamination, not connected to a softener or other filter without swing head and without bot and cold water mixing in the same value. Sample from a cold water filter 	ing device, 1. Collect sample water directly into the bottle using the faucet valve as								
 Remove any aeration device on the outlet. 	See volume lines embossed on the bottle: 100mL and 120mL								
3. Clean sample source point inside and outside with 5% bleach solution or alcohol. This can be done with a s	• The collected volume MUST BE between the two lines to be a valid								
4. Allow the disinfectant to remain on the outlet 1-2 minutes before going to Step 2.	sample.								
Step 2 PURGE SAMPLE	Do <u>Not overflow</u> the bottle as this will wash out the								
Open valve and allow water to run freely for 3-5 minutes, then partly close the valve so that only a small stream Sten 3 CHI ORINE	nows. chlorine-neutralizing chemical.								
 If the sample is from a chlorinated system, measure the chlorine content of the water. Record the value on 	the Chain-of-Custody form. 3. Label the bottle with clear identification that matches								
• If the system is non-chlorinated, indicate that on the form.	the Chain-of-Custody form.								
Step 4 OPEN COLLECTION CONTAINER	HANDLING								
 Depending on bottle type, either remove and discard the lid protection tape or twist the lid to break the se Unscrew the lid 	 Keep the sample as cool as possible. Transporting on ice is preferred. Do not allow the sample to freeze, became bot or set in the sum 								
Do NOT touch inside of the lid or bottle.	 Sample must be analyzed within 30 hours after collection. 								
• Do <u>NOT set the lid down</u> .	TEMPERATURE RULES								
Do <u>NOT dump out white powder or solid tablet</u> from the bottle. This is sodium thiosulfate, it neutralize	es chlorine • <u>TCR samples</u> – It is recommended that the sample be cooled								
and is required in the test. If before use, the container reaches 118'F (as might occur in a vehicle in the chemical may melt and appear as a small liquid droplet in the bottle. This is not a problem and does not	e summer time), the to < 10°C (50°F). • <u>GWR samples</u> – It is required that the sample be cooled								
in neutralizing chlorine.	to < 10°C (50°F).								
SPECIAL INSTRUCTIONS for the IOC Group	SPECIAL INSTRUCTIONS for Arsenic and for Sodium								
This sample group is collected in 2 plastic bottles: 1 L for the metals, 125 or 250 mL for Fluoride.	To collect field samples:								
To collect field samples:	> Run water tap fast for at least 5 minutes. > Reduce the water flow to a moderate steady stream. For each bottle, remove the cap.								
 Reduce the water flow to a moderate, steady stream. For each bottle, remove the cap 	and collect directly into the bottle.								
and collect directly into the bottle.	. For each 16 three completions of 11 the brately wet the control or brategies at the two should be and								
This will leave appropriate space for acid addition at the lab.	the neck of the bottle. This will leave appropriate space for acid addition at the lab.								
DO NOT FILL to the brim. DO NOT completely fill.	DO NOT FILL to the brim. DO NOT completely fill.								
Handle trip blank sample vial just as samples, however do <u>not open</u> , <u>keep cold</u> , and <u>protect from light</u> .	<u>VOLATILLS</u> (VOCIV Group)								
To collect field samples									
> Run water tap fast for at least 5 minutes.									
> Adjust from down to a very slow, steady rate.									
 > Angle the vial slightly so that water flows down the inside. Minimize water turbulence while filling the vial. Fill until the vial is almost completely full. 									
> Using the glass dropping pipet, add 3 drops of 50% hydrochloric acid solution from the small vial in the sample kit. ***CAUTION ***ACID BURN***									
> IMPORTANT: If the sample foams vigorously when the hydrochloric acid is added, do not add acid to the remaining vial and contact the lab immediately.									
> Attach the cap and very carefully and slowly invert the vial ONE time to mix the acid. Do NOT shake.									
with the water level (meniscus) curved up over the top of the rim.									
> Carefully put the cap directly down over the vial and tighten into place. A small amount of water may run out from under the cap as it is screwed down.									
> The vial should be inquid-full. Invert the vial and check for air bubbles. If necessary, add more sample water using the cap. > Samples with air hubbles or nH >2 are invalid									
> Collect 2 vials from each sample location.									
> Immediately place the vials in a zip-lock baggie and into ice. Samples that will be on ice for an extended period should have paper or an extra plastic layer to separate the vials from the ice to prevent freezing and									
breakage. > Samples received at the laboratory <u>must be on solid ice</u> and <u>must have a temperature ≤ 6°C</u> .									
SPECIAL INSTRUCTIONS for JFAD and COPPER									
Prior to sample collection, the water source must be <u>unused</u> (no water flow) for <u>at least 6 hours</u> . This includes turning off the refrigerator icemaker to begin the 6 hours. Also do not flush toilets or draw any water from									
anywhere in the system before collecting the sample.									
To collect field samples:									
> Remove the cap and place the bottle under the tap.									
> Turn on the cold water only. Slowly fill until the water level is between the top shoulder and the neck of the bottle. This will leave appropriate space for acid addition at the lab.									
> DO NOT FILL to the brim. DO NOT completely fill. DO NOT overfill.									
 > Laboratory receipt must be within 14 days. 									
SPECIAL INSTRUCTIONS for NITRATE - NITRITE and for DUOSDUATE									
To collect field samples:									
> Run the water tap fast for at least 5 minutes.									
> Reduce the water flow to a moderate, steady stream. Remove the cap and collect directly into the bottle.									
> No additional chemical preservation is needed. However the sample must be cool and shipped on ice. > Samples received at the laboratory, must be received within 48 hours after collection, must be on solid ice, and must have a temperature $\leq 6^{\circ}$ C									