



Rapid Testing. Reliable Results.

Q Laboratories

ST108 Sample Submission Form

1930 Radcliff Dr. Cincinnati, OH 45204
 Phone: (513) 471-1300 Fax: (513) 471-5600
 www.QLABORATORIES.com
 Email: office@qlaboratories.com

THIS FORM SHOULD ONLY BE USED FOR ST108

Q Laboratories Customer Information	Date Completed:	Purchase Order:	Site Information (Location of Sampling)
Company Name:	Billing Contact:		Site Location Name:
Report Results to Name:	Billing Email:		Site Sampler's Name:
Street Address:	Street Address:		Site Description:
City, State, Zip:	City, State, Zip:		Note: The above section is to be completed only by Sampling Site personnel or a Q Laboratories Customer Representative. Sampling Site personnel should not enter any other information in the adjacent section to the left.
Phone #:	Phone #:		
Please provide email addresses for reporting, separated by semicolons [Example: john.doe@example.com; jane.smith@example.com; reports@company.com]			
Email to:			

#	Sample ID	Sample Date Collected	ST108 Water Category Full Panel Required Testing <i>(MUST select 1 category and 1 Validation (Routine/Annual))</i>				ST108 à la carte Test Selections <i>Use this section only if you are not requesting the full panel of required testing. If you are requesting the full panel, please utilize the section on the left instead.</i>					
			Critical	Utility	Steam	Validation	pH	Conductivity	M-Alkalinity	Total Hardness	HPC	Endotoxin <small>(Perform 1:10 dilution)</small>
1			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<p style="color: red; font-weight: bold;">Perform 1:10 dilution for the Endotoxin analysis</p> <p>Client Special Instructions:</p>	<p>Authorizing Signature</p>
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#	Sample ID	Sample Date Collected	ST108 Water Category Full Panel Required Testing <i>(MUST select 1 category and 1 Validation (Routine/Annual))</i>				ST108 à la carte Test Selections <i>Use this section only if you are not requesting the full panel of required testing. If you are requesting the full panel, please utilize the section on the left instead.</i>					
			Critical	Utility	Steam	Validation	pH	Conductivity	M-Alkalinity	Total Hardness	HPC	Endotoxin <small>(Perform 1:10 dilution)</small>
11			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Routine <input type="checkbox"/> Annual <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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ST108 Test Requirements & Control Ranges

Routine Validations (Monthly/Quarterly)

Parameter	Test Method	Monthly Critical Water	Quarterly Utility Water	Quarterly Steam
pH	USP <791>	5.0-7.5 SU	6.5-9.5 SU	5.0-9.2 SU
Conductivity	USP <645>	< 10 µS/cm	< 500 µS/cm	< 10 µS/cm
Total Alkalinity	SMEWW 2320-B	< 8 mg/L	< 400 mg/L	< 8 mg/L
Total Hardness (Ca & Mg)	Q Labs Internal	< 1.0 mg/L	< 150 mg/L	< 1 mg/L
HPC Bacteria – Pour Plate TSA	QSOP-0141/ ANSI/AAMI	< 10 CFU/mL	< 500 CFU/mL	Not Tested
Endotoxin (Perform 1:10 dilution)	USP <85>	< 10 EU/ml	Not Tested	Not Tested

Annual Validations

Parameter	Test Method	Critical Water	Utility Water	Steam
pH	USP <791>	5.0-7.5 SU	6.5-9.5 SU	5.0-9.2 SU
Conductivity	USP <645>	< 10 µS/cm	< 500 µS/cm	< 10 µS/cm
Total Alkalinity	SMEWW 2320-B	< 8 mg/L	< 400 mg/L	< 8 mg/L
HPC Bacteria – Pour Plate TSA	QSOP-0141/ ANSI/AAMI	< 10 CFU/mL	< 500 CFU/mL	Not Tested
Endotoxin (Perform 1:10 dilution)	USP <85>	< 10 EU/mL	Not Tested	Not Tested
Chloride	SMEWW 4500-CL-B	< 1 mg/L	< 250 mg/L	< 1 mg/L
Nitrate	SMEWW 4500-NO3-C	< 1 mg/L	< 10 mg/L	< 1 mg/L
Phosphate ¹	Q Labs Internal	< 1 mg/L	< 5 mg/L	< 1 mg/L
Sulfate	SMEWW 4500-SO4-C	< 1 mg/L	< 150 mg/L	< 1 mg/L
Total Hardness (Ca & Mg)	Q Labs Internal	< 1.0 mg/L	< 150 mg/L	< 1 mg/L
Copper	Q Labs Internal	< 0.1 mg/L	< 0.1 mg/L	< 0.1 mg/L
Iron	Q Labs Internal	< 0.1 mg/L	< 0.1 mg/L	< 0.1 mg/L
Manganese	Q Labs Internal	< 0.1 mg/L	< 0.1 mg/L	< 0.1 mg/L
Aluminum	Q Labs Internal	< 0.1 mg/L	< 0.1 mg/L	< 0.1 mg/L
Silicate ²	Q Labs Internal	< 1 mg/L	< 50 mg/L	< 1 mg/L
Zinc	Q Labs Internal	< 0.1 mg/L	< 0.1 mg/L	< 0.1 mg/L
TOC	USP <643>	< 1.0 mg/L	Not Tested	Not Tested
Color	Q Labs Internal	Colorless		
Turbidity	Q Labs Internal	Free of Sediment		

¹ Phosphate will be calculated from total phosphorous content.

² Silicate will be calculated from total Silicon content.