

Disinfection Requirements Rule (DRR) Reporting Instructions: *What's New for Distribution Residual Measurements?*

Beginning with the **May 2018** compliance period, report all **individual** distribution system disinfection residual measurements conducted at the same time/locations as RTCR coliform samples using the **SDWA-1** form (*do not report the average result value*).

- Record the **RTCR Location ID**.
- Use the new **Contaminant IDs**: **Free Chlorine** is **1013** and **Total Chlorine** is **1000**.
- Use the appropriate **Analysis Method Code** (see **Table 1. Analysis Methods, below**). Report **Results** to 2 decimal places.
- Use the appropriate **Sample Type**:
 - D** for chlorine residuals analyzed with **routine or check RTCR samples**.
 - S** for chlorine residuals analyzed with total coliform samples to lift a Boil Water Advisory or for RTCR seasonal startup. For this sample type, record a 3-digit location ID that is meaningful to you.

Example: A small water system with a population of 525 collects one routine total coliform sample during May. The result is total coliform positive, so the system collects three check samples. During the month, the system also collects total coliform samples on two consecutive days to lift a Boil Water Advisory. The certified operator analyzes the free chlorine residual using a DPD hand-held colorimeter for each of these samples.

SDWA 1 - BACTERIOLOGICAL / RESIDUAL DISINFECTANT / TURBIDITY / DBP ANALYSIS

SDWA-1

PWSID	PWS Name	Contam ID	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID
1234567	Not Found.	1013	301	0.25	050618	701		050618	D	1030	11111	
1234567	Not Found.	1013	301	0.36	050818	701		050818	D	0700	11111	
1234567	Not Found.	1013	301	0.37	050818	701		050818	D	0715	11111	
1234567	Not Found.	1013	301	0.38	050818	701		050818	D	0730	11111	
1234567	Not Found.	1013	301	0.55	051818	BWA		051818	S	0800	11111	
1234567	Not Found.	1013	301	0.54	051918	BWA		051918	S	0805	11111	

Table 1. Analysis Methods

Contam ID	EPA Method	Method Code	Contam ID	EPA Method	Method Code
1013 Free Cl	DPD Colorimetric: SM 4500-Cl G, Hach Method 10260	301	1000 Total Cl	DPD Colorimetric: SM 4500-Cl G, Hach Method 10260	301
	Indophenol Colorimetric: Hach Method 10241	597		Amperometric Titration: SM 4500-Cl D, ASTM 1253-08, -- 14	587
	Amperometric Titration: SM 4500-Cl D, ASTM 1253-08, -- 14	587		DPD Ferrous Titrimetric: SM 4500-Cl F	588
	DPD Ferrous Titrimetric: SM 4500-Cl F	588		Low Level Amperometric Titration: SM 4500-Cl E	591
	Amperometric Sensor: ChloroSense	596		Iodometric Electrode: SM 4500-Cl I	592
	Syringaldazine (FACTS): SM 4500-Cl H	590		Amperometric Sensor: ChloroSense	596