

Table 5.14. Surface water sampling measurements exceeding Tennessee water quality criteria at the Y-12 Plant, 1995

Parameter	Location	Number of samples	Concentration (mg/L)			Water quality criteria (mg/L)	Number of measurements exceeding criteria
			Detection limit	Max	Av		
Silver	Station 17	246	0.006	<0.02	<0.006	0.004	246
Arsenic	Station 17	246	0.04	<0.04	<0.04	0.0014	246
Cadmium	Station 17	246	0.004	<0.004	<0.004	0.0039	246
Copper	Station 17	246	0.006	0.031	<0.008	0.018	11
Mercury	Station 17	493	0.0002	0.0100	0.0010	0.00015	492
Selenium	Station 17	246	0.1	<0.1	<0.1	0.02	246
Zinc	Station 17	246	0.01	0.33	0.07	0.0063	246
Silver	Station 304	6	0.006	<0.006	<0.006	0.004	6
Arsenic	Station 304	6	0.04	<0.04	<0.04	0.0014	6
Cadmium	Station 304	6	0.004	<0.004	<0.004	0.0039	6
Mercury	Station 304	6	0.0002	<0.0002	<0.0002	0.00015	6
Selenium	Station 304	6	0.1	<0.1	<0.1	0.02	6
Zinc	Station 304	6	0.01	<0.01	<0.01	0.0063	6
Silver	Outfall 302 (S19)	6	0.006	<0.006	<0.006	0.004	6
Arsenic	Outfall 302 (S19)	32	0.04	<0.04	<0.04	0.0014	32
Cadmium	Outfall 302 (S19)	32	0.004	<0.004	<0.004	0.0039	32
Selenium	Outfall 302 (S19)	32	0.1	<0.1	<0.1	0.02	32
Zinc	Outfall 302 (S19)	32	0.01	<0.01	<0.01	0.0063	32