

**Table 4.25. 1995 average water quality parameters measured during toxicity tests of ORNL wastewaters and ambient waters.** Values are for full-strength wastewater for each test (N = 7) or averages of full-strength ambient water for each test (N = 7).

Outfall	Test date	pH (standard units)	Conductivity ( $\mu\text{S}/\text{cm}$ )	Alkalinity (mg/L $\text{CaCO}_3$ )	Hardness (mg/L $\text{CaCO}_3$ )
Coal Yard Runoff Treatment Facility (X02)	May	8.00	3240	23	1460
	Nov	7.29	3580	22	1510
Sewage Treatment Plant (X01)	Apr <sup>a</sup>	7.91	385	108	151
	Apr <sup>b</sup>	7.89	408	104	147
	July	7.91	331	81	140
	Sep	7.72	363	76	143
	Nov	7.82	450	76	168
Nonradiological Wastewater Treatment Facility (X12)	Apr	8.04	431	83	77
	Oct	7.85	626	58	108
Melton Branch (X13)	Feb <sup>c</sup>	7.95	392	90	184
	Feb <sup>d</sup>	7.07	215	71	109
	Apr	8.05	423	116	213
	May <sup>e</sup>	8.03	579	106	297
	May <sup>f</sup>	8.03	501	121	260
	June	8.04	430	101	211
	Aug	8.04	536	114	270
	Oct	7.83	680	92	335
	Nov	7.84	423	138	217
	Dec <sup>g</sup>	7.94	342	109	186
Dec <sup>h</sup>	7.80	618	101	291	
White Oak Creek (X14)	Feb	8.05	370	106	154
	Apr	8.16	308	107	139
	May <sup>e</sup>	8.17	322	107	146
	May <sup>f</sup>	8.11	337	106	145
	June	8.16	354	105	147
	Aug	8.08	367	97	161
	Sep	7.93	326	101	152
	Oct	8.00	391	105	165
	Dec <sup>g</sup>	8.00	368	116	181
	Dec <sup>h</sup>	7.97	401	117	167

<sup>a</sup>Data for test conducted April 7–14, 1994.

<sup>b</sup>Data for test conducted April 21–28, 1994.

<sup>c</sup>Data for test conducted February 3–10, 1994.

<sup>d</sup>Data for test conducted February 10–16, 1994.

<sup>e</sup>Data for test conducted May 12–19, 1994.

<sup>f</sup>Data for test conducted May 20–27, 1994.

<sup>g</sup>Data for test conducted December 8–15, 1994.

<sup>h</sup>Data for test conducted December 29–January 5, 1995.