

Appendix C. Range of pH and dissolved oxygen concentrations measured in exposure water during acute toxicity tests with larval Rio Grande silvery minnow (RGSM) and fathead minnow (FHM).<sup>a</sup>

Chemical	Species	Treatment	pH (units) at			Dissolved oxygen (% saturation) at		
			0 h	48 h	96 h	0 h	48 h	96 h
Aluminum	RGSM	Control	8.20	8.00	8.36	90	85	83
		Toxicant	8.20-8.26	7.96-8.05	8.25-8.36	89-92	82-90	79-88
	FHM	Control	8.20	7.91	8.36	90	77	82
		Toxicant	8.20-8.26	7.95-8.04	8.26-8.37	89-91	80-90	80-88
Ammonia	RGSM	Control	8.39	7.94	7.92	92	80	79
		Toxicant	7.65-8.31	7.61-7.92	7.71-7.87	92-93	78-80	76-80
	FHM	Control	8.38	7.93	7.92	92	80	80
		Toxicant	7.65-8.31	7.67-7.90	7.71-7.88	93-93	76-80	78-81
Arsenic	RGSM	Control	8.39	7.94	7.92	92	80	79
		Toxicant	8.40-8.53	7.95-7.99	8.35-8.37	92-92	80-81	83-87
	FHM	Control	8.38	7.93	7.92	92	80	80
		Toxicant	8.40-8.52	7.92-7.93	8.30-8.33	92-93	76-80	83-85
Chlorine	RGSM	Control	8.08	7.96	7.96	89	80	80
		Toxicant	8.06-8.11	8.05-8.13	8.05-8.11	90-91	84-87	85-88
	FHM	Control	8.05	7.93	7.94	90	78	78
		Toxicant	8.06-8.10	8.02	8.01	90-91	82	83

Appendix C. Continued.

Chemical	Species	Treatment	pH (units) at			Dissolved oxygen (% saturation) at		
			0 h	48 h	96 h	0 h	48 h	96 h
Copper	RGSM	Control	8.38	7.97	7.92	92	81	84
		Toxicant	8.25-8.40	8.09-8.10	8.33-8.35	93-93	91-92	87-90
	FHM	Control	8.37	7.96	8.31	92	81	86
		Toxicant	8.25-8.41	8.09-8.10	8.22-8.37	92-93	90-93	80-91
Nitrate	RGSM	Control	8.39	7.97	8.32	89	80	83
		Toxicant	8.37-8.44	7.91-7.92	8.34-8.40	89-91	75	82-84
	FHM	Control	8.39	7.94	8.31	88	80	83
		Toxicant	8.37-8.43	7.93-7.96	8.38-8.43	89-93	77-80	84-86
Isleta Site mixture	RGSM	Control	8.18	7.96	8.23	90	80	78
		Toxicant	7.22-8.12	7.86-8.06	8.06-8.23	91-92	89-90	84
	FHM	Control	8.22	7.93	8.25	91	79	81
		Toxicant	7.19-8.13	7.91-8.05	8.12-8.21	91-91	89-89	82

<sup>a</sup>See text for description of treatments measured for pH and dissolved oxygen.