Table 2. Chemistry and descriptions of water samples from pools on the tailings pile and the tailings lake at the Pea Ridge mine.

[mS/cm, millisiemens per centimeter; mg/L, milligrams per liter; micrograms per liter; µg/L, micrograms per liter; ICP-AESaq, inductively coupled plasma atomic-emission spectrometry; ICP-Msaq, inductively coupled plasma-mass spectrometry; na, not analyzed]

Analyte		pH	Specific conductance	Alkalinity	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Sb	Sc	Se	SiO_2	Sm	SO_4	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			mS/cm	as mg/L HCO_3	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Analytical Method					$ICP\text{-}MS_{aq}$	$ICP\text{-}AES_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}AES_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}AES_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}AES_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}AES_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}AES_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}AES_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$	$ICP\text{-}MS_{aq}$
Sample number	Description																																																												
08MO01	pooled water in tailings lake sediment	4.08	4.25	na	<1	11.2	1	11.6	39.3	< 0.2	563	0.78	98.6	7,320	<1	0.33	49.8	5.56	3.04	0.58	61.7	0.96	6.84	0.24	1.13	49	59.8	141	0.5	461	16.1	< 2	11.6	0.48	35.1	664	100	3.3	9.59	176	<0.3	4.2	1.3	34.7	5.56	3,200	1140	0.8	1	0.53	30.6	<0.1	0.38	4.17	<0.5	< 0.5	38.4	2.52	63.9	0.5
08MO02	pooled water in tailings lake sediment	3.22	4.23	na	<1	26.2	2	2.21	46.2	< 0.2	485	0.9	205	8,300	<1	0.73	1,160	31.6	19.2	2.81	47.6	1.7	36.1	0.44	6.8	22.6	69.8	164	3.2	454	17.3	< 2	22.4	< 0.2	127	732	40	1.4	26.8	127	<0.3	8.2	3.4	70.2	27	3,080	423	0.31	5.43	2.12	29.2	<0.1	2.64	2.62	<0.5	< 0.5	197	17.8	89.7	< 0.2
08MO03	tailings lake	7.52	1.35	140	<1	0.041	<1	23.1	0.2	< 0.2	135	<0.02	0.22	0.79	<1	0.08	2.8	0.02	0.009	0.005	0.023	< 0.05	0.02	< 0.05	< 0.005	14.4	0.17	18.1	< 0.1	62.3	0.043	5.3	57.2	< 0.2	0.12	4.4	10	<0.05	0.03	62.4	<0.3	< 0.6	1.4	1.8	0.02	485	750	0.22	< 0.005	< 0.2	5.5	<0.1	< 0.005	2.14	<0.5	< 0.5	0.1	< 0.005	2	< 0.2