

Table C-6. Gross Alpha, Gross Beta, and Tritium Concentrations in Surface and Drinking Water

Location	Sampling Date	Analyte	Result ± 1s Uncertainty			Result ± 1s Uncertainty			Result > 3s
			(pCi/L)			(Bq/L)			
SURFACE WATER									
Alpheus Spring	11/13/17	GROSS ALPHA	1.26	±	0.62	0.05	±	0.02	No
	11/13/17	GROSS BETA	6.74	±	0.58	0.25	±	0.02	Yes
	11/13/17	TRITIUM	76.70	±	22.90	2.84	±	0.85	Yes
Bill Jones, Jr. Trout Farm	11/13/17	GROSS ALPHA	0.94	±	0.47	0.03	±	0.02	No
	11/13/17	GROSS BETA	2.85	±	0.49	0.11	±	0.02	Yes
	11/13/17	TRITIUM	79.70	±	23.00	2.95	±	0.85	Yes
Clear Springs	11/13/17	GROSS ALPHA	0.24	±	0.52	0.01	±	0.02	No
	11/13/17	GROSS BETA	2.95	±	0.51	0.11	±	0.02	Yes
	11/13/17	TRITIUM	89.50	±	23.20	3.31	±	0.86	Yes
Clear Springs (Duplicate)	11/13/17	GROSS ALPHA	0.50	±	0.59	0.02	±	0.02	No
	11/13/17	GROSS BETA	3.72	±	0.54	0.14	±	0.02	Yes
	11/13/17	TRITIUM	128.80	±	23.50	4.77	±	0.87	Yes
DRINKING WATER									
Atomic City	11/15/17	GROSS ALPHA	0.63	±	0.46	0.02	±	0.02	No
	11/15/17	GROSS BETA	2.77	±	0.49	0.10	±	0.02	Yes
	11/15/17	TRITIUM	57.40	±	22.80	2.13	±	0.84	No
Control	11/20/17	GROSS ALPHA	0.23	±	0.23	0.01	±	0.01	No
	11/20/17	GROSS BETA	-0.99	±	0.38	-0.04	±	0.01	No
	11/20/17	TRITIUM	92.50	±	23.90	3.43	±	0.89	Yes
Craters of the Moon	11/15/17	GROSS ALPHA	2.24	±	0.47	0.08	±	0.02	Yes
	11/15/17	GROSS BETA	1.18	±	0.46	0.04	±	0.02	No
	11/15/17	TRITIUM	138.00	±	23.90	5.11	±	0.89	Yes
Howe	11/15/17	GROSS ALPHA	1.47	±	0.47	0.05	±	0.02	Yes
	11/15/17	GROSS BETA	1.74	±	0.46	0.06	±	0.02	Yes
	11/15/17	TRITIUM	91.70	±	23.30	3.40	±	0.86	Yes
Idaho Falls	11/20/17	GROSS ALPHA	1.03	±	0.55	0.04	±	0.02	No
	11/20/17	GROSS BETA	1.15	±	0.49	0.04	±	0.02	No
	11/20/17	TRITIUM	90.70	±	23.30	3.36	±	0.86	Yes
Minidoka	11/13/17	GROSS ALPHA	0.47	±	0.50	0.02	±	0.02	No
	11/13/17	GROSS BETA	2.72	±	0.51	0.10	±	0.02	Yes
	11/13/17	TRITIUM	82.90	±	23.30	3.07	±	0.86	Yes
Mud Lake	11/14/17	GROSS ALPHA	0.16	±	0.33	0.01	±	0.01	No
	11/14/17	GROSS BETA	3.31	±	0.47	0.12	±	0.02	Yes
	11/14/17	TRITIUM	91.00	±	23.40	3.37	±	0.87	Yes
Rest Area	11/15/17	GROSS ALPHA	1.74	±	0.45	0.06	±	0.02	Yes
	11/15/17	GROSS BETA	2.58	±	0.48	0.10	±	0.02	Yes
	11/15/17	TRITIUM	115.00	±	23.70	4.26	±	0.88	Yes

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Shoshone	11/13/17	GROSS ALPHA	1.31	±	0.52	0.05	±	0.02	No
	11/13/17	GROSS BETA	2.49	±	0.49	0.09	±	0.02	Yes
	11/13/17	TRITIUM	52.50	±	23.40	1.94	±	0.87	No