

Table C-6. Gross Alpha, Gross Beta, and Tritium Concentrations in the Big Lost River (BLR)

Location	Sampling Date	Analyte	Result ± 1s Uncertainty			Result ± 1s Uncertainty			Result > 3s
			(pCi/L)			(Bq/L)			
SURFACE WATER									
BLR at Rest Area	07/14/17	GROSS ALPHA (Filtered)	1.48	±	0.39	0.05	±	0.01	Yes
	07/14/17	GROSS BETA (Filtered)	1.56	±	0.44	0.06	±	0.02	Yes
	07/14/17	TRITIUM	63.70	±	23.00	2.36	±	0.85	No
BLR at INTEC	07/14/17	GROSS ALPHA (Filtered)	1.55	±	0.41	0.01	±	0.02	Yes
	07/14/17	GROSS BETA (Filtered)	1.30	±	0.42	0.02	±	0.02	Yes
	07/14/17	TRITIUM	70.90	±	23.00	2.63	±	0.85	Yes
BLR at INTEC (Duplicate)	07/14/17	GROSS ALPHA (Filtered)	1.56	±	0.40	0.06	±	0.01	Yes
	07/14/17	GROSS BETA (Filtered)	2.07	±	0.45	0.08	±	0.02	Yes
	07/14/17	TRITIUM	46.30	±	22.90	1.71	±	0.85	No
BLR at EFS	07/14/17	GROSS ALPHA (Filtered)	2.24	±	0.45	0.08	±	0.02	Yes
	07/14/17	GROSS BETA (Filtered)	2.54	±	0.45	0.09	±	0.02	Yes
	07/14/17	TRITIUM	68.70	±	23.00	2.54	±	0.85	No
BLR at NRF	07/14/17	GROSS ALPHA (Filtered)	1.64	±	0.42	0.06	±	0.02	Yes
	07/14/17	GROSS BETA (Filtered)	1.69	±	0.44	0.06	±	0.02	Yes
	07/14/17	TRITIUM	78.70	±	23.10	2.91	±	0.86	Yes
BLR at Sinks	07/14/17	GROSS ALPHA (Filtered)	1.57	±	0.44	0.06	±	0.02	Yes
	07/14/17	GROSS BETA (Filtered)	3.45	±	0.46	0.13	±	0.02	Yes
	07/14/17	TRITIUM	57.60	±	23.00	2.13	±	0.85	No
BLR Control (Birch Creek)	07/19/17	GROSS ALPHA (Filtered)	2.62	±	0.49	0.10	±	0.02	Yes
	07/19/17	GROSS BETA (Filtered)	0.94	±	0.45	0.03	±	0.02	No
	07/19/17	TRITIUM	71.60	±	23.10	2.65	±	0.86	Yes