

Table C-1. Weekly Gross Alpha and Gross Beta Concentrations in Air

Sampling Group and Location	Sampling Date	GROSS ALPHA			GROSS BETA		
		Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)	Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)	Result > 3s	Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)	Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)	Result > 3s
BOUNDARY							
ARCO	10/04/17	0.60 ± 0.16	2.21 ± 0.57	Yes	10.90 ± 0.38	40.33 ± 1.41	Yes
	10/11/17	0.78 ± 0.17	2.89 ± 0.62	Yes	14.30 ± 0.43	52.91 ± 1.59	Yes
	10/18/17	1.12 ± 0.21	4.14 ± 0.77	Yes	15.00 ± 0.48	55.50 ± 1.79	Yes
	10/25/17	1.42 ± 0.18	5.25 ± 0.67	Yes	24.40 ± 0.61	90.28 ± 2.24	Yes
	11/01/17	1.38 ± 0.17	5.11 ± 0.64	Yes	26.80 ± 0.63	99.16 ± 2.31	Yes
	11/08/17	1.40 ± 0.18	5.18 ± 0.67	Yes	19.20 ± 0.57	71.04 ± 2.12	Yes
	11/15/17	1.53 ± 0.28	5.66 ± 1.03	Yes	19.40 ± 0.64	71.78 ± 2.38	Yes
	11/21/17	1.11 ± 0.31	4.11 ± 1.14	Yes	16.60 ± 0.71	61.42 ± 2.63	Yes
	11/29/17	1.16 ± 0.21	4.29 ± 0.77	Yes	21.40 ± 0.55	79.18 ± 2.03	Yes
	12/06/17	1.01 ± 0.17	3.74 ± 0.63	Yes	24.70 ± 0.62	91.39 ± 2.29	Yes
	12/13/17	2.08 ± 0.23	7.70 ± 0.83	Yes	45.10 ± 0.81	166.87 ± 2.99	Yes
	12/19/17	2.45 ± 0.26	9.07 ± 0.96	Yes	53.30 ± 0.96	197.21 ± 3.54	Yes
	12/27/17	0.57 ± 0.14	2.10 ± 0.51	Yes	23.40 ± 0.57	86.58 ± 2.10	Yes
ATOMIC CITY	10/04/17	0.80 ± 0.17	2.94 ± 0.63	Yes	14.60 ± 0.44	54.02 ± 1.61	Yes
	10/11/17	0.86 ± 0.16	3.17 ± 0.59	Yes	12.20 ± 0.39	45.14 ± 1.43	Yes
	10/18/17	1.40 ± 0.22	5.18 ± 0.82	Yes	18.90 ± 0.53	69.93 ± 1.95	Yes
	10/25/17	1.50 ± 0.18	5.55 ± 0.68	Yes	23.10 ± 0.59	85.47 ± 2.17	Yes
	11/01/17	1.74 ± 0.20	6.44 ± 0.73	Yes	29.30 ± 0.68	108.41 ± 2.50	Yes
	11/08/17	1.44 ± 0.18	5.33 ± 0.65	Yes	18.60 ± 0.54	68.82 ± 2.01	Yes
	11/15/17	0.68 ± 0.26	2.53 ± 0.95	No	19.30 ± 0.67	71.41 ± 2.48	Yes
	11/21/17	1.38 ± 0.30	5.11 ± 1.09	Yes	17.10 ± 0.70	63.27 ± 2.60	Yes
	11/29/17	1.16 ± 0.21	4.29 ± 0.78	Yes	20.60 ± 0.55	76.22 ± 2.04	Yes
	12/06/17	1.20 ± 0.18	4.44 ± 0.65	Yes	23.40 ± 0.61	86.58 ± 2.24	Yes
	12/13/17	2.14 ± 0.23	7.92 ± 0.84	Yes	49.60 ± 0.83	183.52 ± 3.09	Yes
	12/19/17	2.15 ± 0.24	7.96 ± 0.88	Yes	49.30 ± 0.89	182.41 ± 3.29	Yes
	12/27/17	1.26 ± 0.17	4.66 ± 0.63	Yes	21.80 ± 0.56	80.66 ± 2.06	Yes
BLUE DOME	10/04/17	0.73 ± 0.17	2.69 ± 0.62	Yes	11.70 ± 0.40	43.29 ± 1.49	Yes
	10/11/17	0.86 ± 0.18	3.17 ± 0.65	Yes	13.50 ± 0.43	49.95 ± 1.59	Yes
	10/18/17	0.67 ± 0.19	2.48 ± 0.71	Yes	17.10 ± 0.51	63.27 ± 1.87	Yes
	10/25/17	1.07 ± 0.17	3.96 ± 0.62	Yes	23.50 ± 0.60	86.95 ± 2.22	Yes
	11/01/17	1.61 ± 0.19	5.96 ± 0.69	Yes	24.60 ± 0.62	91.02 ± 2.29	Yes
	11/08/17	1.45 ± 0.18	5.37 ± 0.67	Yes	20.70 ± 0.58	76.59 ± 2.14	Yes
	11/15/17	0.85 ± 0.26	3.13 ± 0.97	Yes	21.10 ± 0.68	78.07 ± 2.52	Yes
	11/21/17	1.15 ± 0.30	4.26 ± 1.10	Yes	15.90 ± 0.68	58.83 ± 2.50	Yes
	11/29/17	1.05 ± 0.20	3.89 ± 0.74	Yes	17.50 ± 0.51	64.75 ± 1.88	Yes
	12/06/17	0.73 ± 0.16	2.69 ± 0.58	Yes	20.70 ± 0.58	76.59 ± 2.15	Yes
	12/13/17	1.90 ± 0.22	7.03 ± 0.81	Yes	36.70 ± 0.74	135.79 ± 2.75	Yes
	12/19/17	2.58 ± 0.27	9.55 ± 0.98	Yes	39.30 ± 0.86	145.41 ± 3.18	Yes
	12/27/17	0.90 ± 0.15	3.32 ± 0.57	Yes	18.30 ± 0.52	67.71 ± 1.94	Yes
FAA TOWER	10/04/17	0.46 ± 0.16	1.70 ± 0.58	No	14.60 ± 0.43	54.02 ± 1.60	Yes
	10/11/17	0.72 ± 0.17	2.68 ± 0.62	Yes	13.10 ± 0.42	48.47 ± 1.56	Yes
	10/18/17	0.95 ± 0.21	3.52 ± 0.79	Yes	16.50 ± 0.52	61.05 ± 1.94	Yes
	10/25/17	1.81 ± 0.21	6.70 ± 0.76	Yes	22.10 ± 0.61	81.77 ± 2.24	Yes
	11/01/17	2.03 ± 0.20	7.51 ± 0.75	Yes	25.70 ± 0.63	95.09 ± 2.32	Yes
	11/08/17	1.44 ± 0.18	5.33 ± 0.68	Yes	20.60 ± 0.59	76.22 ± 2.18	Yes
	11/15/17	1.06 ± 0.28	3.92 ± 1.02	Yes	20.90 ± 0.69	77.33 ± 2.56	Yes
	11/21/17	1.09 ± 0.30	4.03 ± 1.11	Yes	15.50 ± 0.68	57.35 ± 2.52	Yes
	11/29/17	0.59 ± 0.19	2.16 ± 0.69	Yes	19.30 ± 0.54	71.41 ± 1.98	Yes
	12/06/17	1.14 ± 0.17	4.22 ± 0.64	Yes	22.00 ± 0.59	81.40 ± 2.18	Yes
	12/13/17	2.12 ± 0.24	7.84 ± 0.87	Yes	42.30 ± 0.82	156.51 ± 3.03	Yes
	12/19/17	2.47 ± 0.26	9.14 ± 0.97	Yes	49.70 ± 0.94	183.89 ± 3.48	Yes
	12/27/17	0.99 ± 0.15	3.66 ± 0.57	Yes	18.00 ± 0.51	66.60 ± 1.87	Yes

Table C-1. Weekly Gross Alpha and Gross Beta Concentrations in Air

Sampling Group and Location	Sampling Date	GROSS ALPHA						GROSS BETA					
		Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s	Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s		
HOWE	10/04/17	0.60 ± 0.16	2.21 ± 0.61	Yes	13.00 ± 0.42	48.10 ± 1.55	Yes						
	10/11/17	0.79 ± 0.17	2.93 ± 0.64	Yes	12.30 ± 0.42	45.51 ± 1.55	Yes						
	10/18/17	0.91 ± 0.20	3.36 ± 0.73	Yes	15.70 ± 0.49	58.09 ± 1.80	Yes						
	10/25/17	2.28 ± 0.21	8.44 ± 0.78	Yes	23.30 ± 0.58	86.21 ± 2.16	Yes						
	11/01/17	2.19 ± 0.21	8.10 ± 0.77	Yes	30.30 ± 0.66	112.11 ± 2.44	Yes						
	11/08/17	1.86 ± 0.19	6.88 ± 0.71	Yes	19.80 ± 0.55	73.26 ± 2.04	Yes						
	11/15/17	1.22 ± 0.28	4.51 ± 1.02	Yes	20.50 ± 0.68	75.85 ± 2.50	Yes						
	11/21/17	1.15 ± 0.30	4.26 ± 1.09	Yes	18.20 ± 0.70	67.34 ± 2.58	Yes						
	11/29/17	0.93 ± 0.20	3.43 ± 0.74	Yes	21.00 ± 0.55	77.70 ± 2.03	Yes						
	12/06/17	1.47 ± 0.19	5.44 ± 0.69	Yes	20.80 ± 0.58	76.96 ± 2.13	Yes						
	12/13/17	2.84 ± 0.24	10.51 ± 0.90	Yes	50.00 ± 0.82	185.00 ± 3.03	Yes						
	12/19/17	3.58 ± 0.29	13.25 ± 1.06	Yes	60.00 ± 0.97	222.00 ± 3.57	Yes						
	12/27/17	1.69 ± 0.19	6.25 ± 0.70	Yes	23.60 ± 0.58	87.32 ± 2.14	Yes						
MONTEVIEW	10/04/17	0.43 ± 0.16	1.57 ± 0.59	No	12.20 ± 0.42	45.14 ± 1.55	Yes						
	10/11/17	0.97 ± 0.17	3.57 ± 0.63	Yes	12.40 ± 0.40	45.88 ± 1.48	Yes						
	10/18/17	1.34 ± 0.22	4.96 ± 0.83	Yes	17.10 ± 0.52	63.27 ± 1.91	Yes						
	10/25/17	3.14 ± 0.24	11.62 ± 0.90	Yes	24.50 ± 0.61	90.65 ± 2.25	Yes						
	11/01/17	2.33 ± 0.21	8.62 ± 0.79	Yes	25.30 ± 0.62	93.61 ± 2.29	Yes						
	11/08/17	2.50 ± 0.23	9.25 ± 0.84	Yes	21.70 ± 0.61	80.29 ± 2.25	Yes						
	11/15/17	0.99 ± 0.28	3.65 ± 1.03	Yes	23.90 ± 0.74	88.43 ± 2.72	Yes						
	11/21/17	1.24 ± 0.31	4.59 ± 1.14	Yes	18.70 ± 0.73	69.19 ± 2.68	Yes						
	11/29/17	1.33 ± 0.22	4.92 ± 0.80	Yes	18.70 ± 0.54	69.19 ± 1.98	Yes						
	12/06/17	1.76 ± 0.20	6.51 ± 0.75	Yes	22.00 ± 0.60	81.40 ± 2.23	Yes						
	12/13/17	2.50 ± 0.24	9.25 ± 0.87	Yes	43.80 ± 0.79	162.06 ± 2.92	Yes						
	12/19/17	2.82 ± 0.26	10.43 ± 0.97	Yes	51.40 ± 0.92	190.18 ± 3.39	Yes						
	12/27/17	1.40 ± 0.17	5.18 ± 0.64	Yes	21.10 ± 0.54	78.07 ± 2.01	Yes						
MUD LAKE	10/04/17	0.46 ± 0.15	1.70 ± 0.56	Yes	11.90 ± 0.40	44.03 ± 1.46	Yes						
	10/11/17	0.97 ± 0.17	3.59 ± 0.64	Yes	12.80 ± 0.41	47.36 ± 1.51	Yes						
	10/18/17	1.26 ± 0.21	4.66 ± 0.79	Yes	16.80 ± 0.50	62.16 ± 1.85	Yes						
	10/25/17	1.87 ± 0.20	6.92 ± 0.74	Yes	26.70 ± 0.63	98.79 ± 2.31	Yes						
	11/01/17	1.63 ± 0.18	6.03 ± 0.68	Yes	28.10 ± 0.63	103.97 ± 2.35	Yes						
	11/08/17	1.61 ± 0.19	5.96 ± 0.71	Yes	21.10 ± 0.60	78.07 ± 2.20	Yes						
	11/15/17	1.26 ± 0.28	4.66 ± 1.03	Yes	22.90 ± 0.70	84.73 ± 2.59	Yes						
	11/21/17	1.37 ± 0.31	5.07 ± 1.15	Yes	19.90 ± 0.73	73.63 ± 2.72	Yes						
	11/29/17	1.25 ± 0.21	4.63 ± 0.78	Yes	21.80 ± 0.55	80.66 ± 2.04	Yes						
	12/06/17	0.94 ± 0.16	3.48 ± 0.60	Yes	24.20 ± 0.61	89.54 ± 2.24	Yes						
	12/13/17	2.46 ± 0.24	9.10 ± 0.87	Yes	48.30 ± 0.82	178.71 ± 3.02	Yes						
	12/19/17	2.25 ± 0.25	8.33 ± 0.93	Yes	56.80 ± 0.98	210.16 ± 3.61	Yes						
	12/27/17	0.77 ± 0.14	2.85 ± 0.53	Yes	20.20 ± 0.52	74.74 ± 1.94	Yes						
DISTANT													
BLACKFOOT	10/04/17	0.82 ± 0.16	3.03 ± 0.60	Yes	15.00 ± 0.42	55.50 ± 1.54	Yes						
	10/11/17	0.59 ± 0.15	2.18 ± 0.56	Yes	12.40 ± 0.39	45.88 ± 1.46	Yes						
	10/18/17	0.76 ± 0.18	2.80 ± 0.65	Yes	15.60 ± 0.46	57.72 ± 1.68	Yes						
	10/25/17	1.27 ± 0.17	4.70 ± 0.62	Yes	17.90 ± 0.52	66.23 ± 1.92	Yes						
	11/01/17	1.52 ± 0.18	5.62 ± 0.67	Yes	27.40 ± 0.64	101.38 ± 2.37	Yes						
	11/08/17	0.97 ± 0.15	3.59 ± 0.55	Yes	16.30 ± 0.50	60.31 ± 1.86	Yes						
	11/15/17	0.85 ± 0.24	3.16 ± 0.90	Yes	20.10 ± 0.63	74.37 ± 2.34	Yes						
	11/21/17	0.74 ± 0.27	2.74 ± 0.99	No	17.50 ± 0.67	64.75 ± 2.49	Yes						
	11/29/17	0.97 ± 0.19	3.58 ± 0.69	Yes	18.80 ± 0.50	69.56 ± 1.85	Yes						
	12/06/17	0.94 ± 0.17	3.47 ± 0.62	Yes	21.90 ± 0.60	81.03 ± 2.21	Yes						
	12/13/17	2.20 ± 0.22	8.14 ± 0.81	Yes	44.30 ± 0.77	163.91 ± 2.86	Yes						
	12/19/17	1.70 ± 0.22	6.29 ± 0.82	Yes	40.00 ± 0.83	148.00 ± 3.06	Yes						
	12/27/17	1.10 ± 0.17	4.07 ± 0.62	Yes	18.20 ± 0.54	67.34 ± 2.00	Yes						

Table C-1. Weekly Gross Alpha and Gross Beta Concentrations in Air

Sampling Group and Location	Sampling Date	GROSS ALPHA						GROSS BETA					
		Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s	Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s		
QA-1 (BLACKFOOT)	10/04/17	0.96 ± 0.17	3.55 ± 0.63	Yes	14.40 ± 0.42	53.28 ± 1.55	Yes						
	10/11/17	0.83 ± 0.16	3.07 ± 0.60	Yes	12.00 ± 0.39	44.40 ± 1.44	Yes						
	10/18/17	1.05 ± 0.19	3.89 ± 0.70	Yes	14.90 ± 0.45	55.13 ± 1.67	Yes						
	10/25/17	1.67 ± 0.19	6.18 ± 0.71	Yes	20.40 ± 0.57	75.48 ± 2.11	Yes						
	11/01/17	1.62 ± 0.19	5.99 ± 0.70	Yes	27.20 ± 0.65	100.64 ± 2.41	Yes						
	11/08/17	1.21 ± 0.16	4.48 ± 0.60	Yes	16.00 ± 0.51	59.20 ± 1.89	Yes						
	11/15/17	1.03 ± 0.27	3.81 ± 1.00	Yes	19.60 ± 0.67	72.52 ± 2.47	Yes						
	11/21/17	0.79 ± 0.27	2.93 ± 1.01	No	15.90 ± 0.66	58.83 ± 2.44	Yes						
	11/29/17	0.77 ± 0.17	2.84 ± 0.63	Yes	17.40 ± 0.47	64.38 ± 1.73	Yes						
	12/06/17	0.69 ± 0.15	2.54 ± 0.57	Yes	19.30 ± 0.57	71.41 ± 2.11	Yes						
	12/13/17	2.20 ± 0.23	8.14 ± 0.85	Yes	42.40 ± 0.79	156.88 ± 2.94	Yes						
	12/19/17	1.99 ± 0.27	7.36 ± 0.99	Yes	45.20 ± 0.99	167.24 ± 3.66	Yes						
	12/27/17	0.56 ± 0.14	2.08 ± 0.50	Yes	16.80 ± 0.50	62.16 ± 1.86	Yes						
CRATERS OF THE MOON	10/04/17	0.49 ± 0.16	1.81 ± 0.60	Yes	12.90 ± 0.42	47.73 ± 1.57	Yes						
	10/11/17	0.76 ± 0.17	2.79 ± 0.61	Yes	11.90 ± 0.40	44.03 ± 1.49	Yes						
	10/18/17	0.79 ± 0.20	2.90 ± 0.74	Yes	15.90 ± 0.50	58.83 ± 1.86	Yes						
	10/25/17	1.45 ± 0.19	5.37 ± 0.71	Yes	22.00 ± 0.60	81.40 ± 2.23	Yes						
	11/01/17	1.37 ± 0.18	5.07 ± 0.65	Yes	25.50 ± 0.63	94.35 ± 2.33	Yes						
	11/08/17	0.93 ± 0.15	3.44 ± 0.57	Yes	17.20 ± 0.54	63.64 ± 1.98	Yes						
	11/15/17	0.69 ± 0.27	2.55 ± 0.98	No	20.60 ± 0.70	76.22 ± 2.59	Yes						
	11/21/17	0.72 ± 0.28	2.67 ± 1.03	No	12.30 ± 0.63	45.51 ± 2.34	Yes						
	11/29/17	0.50 ± 0.18	1.85 ± 0.65	No	17.10 ± 0.51	63.27 ± 1.87	Yes						
	12/06/17	0.85 ± 0.16	3.15 ± 0.61	Yes	20.90 ± 0.59	77.33 ± 2.19	Yes						
	12/13/17	1.90 ± 0.22	7.03 ± 0.81	Yes	42.00 ± 0.79	155.40 ± 2.92	Yes						
	12/19/17	1.86 ± 0.23	6.88 ± 0.84	Yes	43.60 ± 0.85	161.32 ± 3.14	Yes						
	12/27/17	0.51 ± 0.13	1.89 ± 0.48	Yes	16.30 ± 0.49	60.31 ± 1.82	Yes						
DUBOIS	10/04/17	0.33 ± 0.15	1.21 ± 0.54	No	11.40 ± 0.39	42.18 ± 1.44	Yes						
	10/11/17	0.79 ± 0.18	2.92 ± 0.65	Yes	12.30 ± 0.42	45.51 ± 1.57	Yes						
	10/18/17	1.45 ± 0.24	5.37 ± 0.89	Yes	15.10 ± 0.53	55.87 ± 1.94	Yes						
	10/25/17	1.69 ± 0.20	6.25 ± 0.72	Yes	23.60 ± 0.60	87.32 ± 2.23	Yes						
	11/01/17	1.44 ± 0.18	5.33 ± 0.67	Yes	23.90 ± 0.61	88.43 ± 2.27	Yes						
	11/08/17	1.31 ± 0.18	4.85 ± 0.66	Yes	20.60 ± 0.59	76.22 ± 2.18	Yes						
	11/15/17	1.03 ± 0.27	3.81 ± 1.00	Yes	23.40 ± 0.71	86.58 ± 2.63	Yes						
	11/21/17	1.19 ± 0.30	4.40 ± 1.10	Yes	15.90 ± 0.67	58.83 ± 2.48	Yes						
	11/29/17	0.70 ± 0.19	2.60 ± 0.68	Yes	17.40 ± 0.51	64.38 ± 1.87	Yes						
	12/06/17	0.80 ± 0.17	2.95 ± 0.61	Yes	22.50 ± 0.62	83.25 ± 2.29	Yes						
	12/13/17	1.72 ± 0.21	6.36 ± 0.79	Yes	37.20 ± 0.76	137.64 ± 2.80	Yes						
	12/19/17	2.13 ± 0.25	7.88 ± 0.93	Yes	50.50 ± 0.95	186.85 ± 3.51	Yes						
	12/27/17	0.66 ± 0.14	2.42 ± 0.53	Yes	20.10 ± 0.55	74.37 ± 2.02	Yes						
IDAHO FALLS	10/04/17	0.62 ± 0.16	2.29 ± 0.60	Yes	15.60 ± 0.44	57.72 ± 1.63	Yes						
	10/11/17	1.09 ± 0.18	4.03 ± 0.65	Yes	12.70 ± 0.41	46.99 ± 1.50	Yes						
	10/18/17	1.06 ± 0.21	3.92 ± 0.78	Yes	17.10 ± 0.51	63.27 ± 1.89	Yes						
	10/25/17	2.02 ± 0.21	7.47 ± 0.77	Yes	20.10 ± 0.57	74.37 ± 2.10	Yes						
	11/01/17	1.45 ± 0.18	5.37 ± 0.67	Yes	24.10 ± 0.62	89.17 ± 2.29	Yes						
	11/08/17	1.59 ± 0.19	5.88 ± 0.69	Yes	18.60 ± 0.56	68.82 ± 2.06	Yes						
	11/15/17	1.78 ± 0.31	6.59 ± 1.13	Yes	22.20 ± 0.71	82.14 ± 2.62	Yes						
	11/21/17	1.16 ± 0.30	4.29 ± 1.10	Yes	16.70 ± 0.69	61.79 ± 2.54	Yes						
	11/29/17	1.39 ± 0.22	5.14 ± 0.80	Yes	22.10 ± 0.56	81.77 ± 2.06	Yes						
	12/06/17	2.12 ± 0.22	7.84 ± 0.80	Yes	18.70 ± 0.57	69.19 ± 2.10	Yes						
	12/13/17	1.46 ± 0.20	5.40 ± 0.75	Yes	35.60 ± 0.74	131.72 ± 2.73	Yes						
	12/19/17	2.23 ± 0.25	8.25 ± 0.93	Yes	45.50 ± 0.90	168.35 ± 3.33	Yes						
	12/27/17	0.88 ± 0.15	3.26 ± 0.56	Yes	16.20 ± 0.50	59.94 ± 1.84	Yes						
JACKSON	10/04/17	0.79 ± 0.16	2.91 ± 0.60	Yes	12.90 ± 0.40	47.73 ± 1.48	Yes						

Table C-1. Weekly Gross Alpha and Gross Beta Concentrations in Air

Sampling Group and Location	Sampling Date	GROSS ALPHA						GROSS BETA					
		Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s	Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s		
	10/11/17	0.84 ± 0.18	3.12 ± 0.67	Yes	14.30 ± 0.45	52.91 ± 1.67	Yes						
	10/18/17	0.61 ± 0.19	2.25 ± 0.68	Yes	16.60 ± 0.49	61.42 ± 1.83	Yes						
	10/25/17	1.14 ± 0.17	4.22 ± 0.62	Yes	21.00 ± 0.57	77.70 ± 2.09	Yes						
	11/01/17	1.76 ± 0.19	6.51 ± 0.68	Yes	23.40 ± 0.58	86.58 ± 2.15	Yes						
	11/08/17	0.95 ± 0.15	3.53 ± 0.57	Yes	15.10 ± 0.51	55.87 ± 1.88	Yes						
	11/15/17	0.62 ± 0.25	2.30 ± 0.93	No	17.20 ± 0.64	63.64 ± 2.36	Yes						
	11/21/17	0.96 ± 0.26	3.56 ± 0.95	Yes	16.20 ± 0.65	59.94 ± 2.40	Yes						
	11/29/17	0.92 ± 0.19	3.39 ± 0.68	Yes	14.70 ± 0.46	54.39 ± 1.70	Yes						
	12/06/17	0.74 ± 0.15	2.74 ± 0.54	Yes	18.30 ± 0.52	67.71 ± 1.94	Yes						
	12/13/17	1.29 ± 0.19	4.77 ± 0.70	Yes	34.10 ± 0.70	126.17 ± 2.60	Yes						
	12/19/17	1.36 ± 0.18	5.03 ± 0.67	Yes	25.50 ± 0.62	94.35 ± 2.31	Yes						
	12/27/17	0.90 ± 0.16	3.31 ± 0.57	Yes	17.80 ± 0.52	65.86 ± 1.93	Yes						
SUGAR CITY	10/04/17	0.88 ± 0.17	3.24 ± 0.61	Yes	12.40 ± 0.39	45.88 ± 1.46	Yes						
	10/11/17	1.03 ± 0.17	3.81 ± 0.63	Yes	11.70 ± 0.39	43.29 ± 1.43	Yes						
	10/18/17	1.32 ± 0.20	4.88 ± 0.75	Yes	14.30 ± 0.45	52.91 ± 1.66	Yes						
	10/25/17	1.21 ± 0.16	4.48 ± 0.60	Yes	18.60 ± 0.52	68.82 ± 1.92	Yes						
	11/01/17	1.56 ± 0.18	5.77 ± 0.67	Yes	22.80 ± 0.59	84.36 ± 2.18	Yes						
	11/08/17	1.27 ± 0.17	4.70 ± 0.64	Yes	17.50 ± 0.55	64.75 ± 2.04	Yes						
	11/15/17	0.85 ± 0.25	3.15 ± 0.94	Yes	19.70 ± 0.65	72.89 ± 2.41	Yes						
	11/21/17	0.76 ± 0.27	2.80 ± 1.00	No	15.30 ± 0.65	56.61 ± 2.41	Yes						
	11/29/17	0.65 ± 0.18	2.39 ± 0.66	Yes	18.10 ± 0.50	66.97 ± 1.86	Yes						
	12/06/17	0.53 ± 0.13	1.96 ± 0.49	Yes	16.20 ± 0.49	59.94 ± 1.83	Yes						
	12/13/17	1.36 ± 0.19	5.03 ± 0.71	Yes	31.70 ± 0.69	117.29 ± 2.54	Yes						
	12/19/17	1.48 ± 0.22	5.48 ± 0.81	Yes	39.10 ± 0.84	144.67 ± 3.12	Yes						
	12/27/17	0.59 ± 0.13	2.18 ± 0.49	Yes	19.20 ± 0.51	71.04 ± 1.89	Yes						
QA-2 (SUGAR CITY)	10/04/17	0.88 ± 0.17	3.27 ± 0.63	Yes	13.60 ± 0.42	50.32 ± 1.54	Yes						
	10/11/17	0.61 ± 0.15	2.25 ± 0.55	Yes	12.40 ± 0.39	45.88 ± 1.42	Yes						
	10/18/17	1.11 ± 0.21	4.11 ± 0.78	Yes	17.20 ± 0.51	63.64 ± 1.90	Yes						
	10/25/17	1.37 ± 0.18	5.07 ± 0.66	Yes	20.70 ± 0.56	76.59 ± 2.08	Yes						
	11/01/17	1.46 ± 0.18	5.40 ± 0.66	Yes	24.50 ± 0.61	90.65 ± 2.25	Yes						
	11/08/17	1.03 ± 0.16	3.81 ± 0.58	Yes	18.20 ± 0.54	67.34 ± 2.00	Yes						
	11/15/17	0.47 ± 0.24	1.74 ± 0.88	No	20.40 ± 0.66	75.48 ± 2.44	Yes						
	11/21/17	0.81 ± 0.27	3.00 ± 1.01	No	17.00 ± 0.67	62.90 ± 2.48	Yes						
	11/29/17	1.37 ± 0.20	5.07 ± 0.75	Yes	17.60 ± 0.49	65.12 ± 1.82	Yes						
	12/06/17	0.81 ± 0.15	3.00 ± 0.54	Yes	18.00 ± 0.51	66.60 ± 1.89	Yes						
	12/13/17	2.01 ± 0.22	7.44 ± 0.80	Yes	36.80 ± 0.72	136.16 ± 2.68	Yes						
	12/19/17	1.72 ± 0.23	6.36 ± 0.84	Yes	40.30 ± 0.85	149.11 ± 3.13	Yes						
	12/27/17	0.76 ± 0.14	2.82 ± 0.52	Yes	17.80 ± 0.50	65.86 ± 1.84	Yes						
INL SITE													
EFS	10/04/17	0.47 ± 0.12	1.74 ± 0.45	Yes	8.39 ± 0.30	31.04 ± 1.10	Yes						
	10/11/17	0.93 ± 0.20	3.45 ± 0.75	Yes	13.60 ± 0.48	50.32 ± 1.78	Yes						
	10/18/17	0.98 ± 0.25	3.64 ± 0.91	Yes	17.40 ± 0.59	64.38 ± 2.19	Yes						
	10/25/17	1.98 ± 0.25	7.33 ± 0.92	Yes	29.30 ± 0.78	108.41 ± 2.90	Yes						
	11/01/17	2.19 ± 0.24	8.10 ± 0.88	Yes	33.10 ± 0.79	122.47 ± 2.92	Yes						
	11/08/17	0.96 ± 0.15	3.57 ± 0.55	Yes	15.80 ± 0.50	58.46 ± 1.83	Yes						
	11/15/17	0.66 ± 0.28	2.43 ± 1.04	No	22.60 ± 0.76	83.62 ± 2.81	Yes						
	11/21/17	1.16 ± 0.28	4.29 ± 1.02	Yes	17.90 ± 0.66	66.23 ± 2.43	Yes						
	11/29/17	0.71 ± 0.19	2.63 ± 0.71	Yes	20.40 ± 0.55	75.48 ± 2.03	Yes						
	12/06/17	1.16 ± 0.19	4.29 ± 0.70	Yes	23.70 ± 0.65	87.69 ± 2.40	Yes						
	12/13/17	2.12 ± 0.24	7.84 ± 0.87	Yes	48.50 ± 0.86	179.45 ± 3.19	Yes						
	12/19/17	3.88 ± 0.32	14.36 ± 1.20	Yes	66.90 ± 1.10	247.53 ± 4.07	Yes						
	12/27/17	0.59 ± 0.14	2.19 ± 0.53	Yes	20.50 ± 0.55	75.85 ± 2.05	Yes						
MAIN GATE	10/04/17	0.88 ± 0.18	3.24 ± 0.66	Yes	15.00 ± 0.45	55.50 ± 1.65	Yes						

Table C-1. Weekly Gross Alpha and Gross Beta Concentrations in Air

Sampling Group and Location	Sampling Date	GROSS ALPHA				GROSS BETA			
		Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)	
	10/11/17	1.06 ± 0.19	3.92 ± 0.70	Yes	14.10 ± 0.45	52.17 ± 1.65	Yes		
	10/18/17	1.12 ± 0.21	4.14 ± 0.78	Yes	16.70 ± 0.50	61.79 ± 1.86	Yes		
	10/25/17	1.34 ± 0.18	4.96 ± 0.67	Yes	25.80 ± 0.62	95.46 ± 2.31	Yes		
	11/01/17	1.28 ± 0.17	4.74 ± 0.64	Yes	28.60 ± 0.66	105.82 ± 2.45	Yes		
	11/08/17	1.15 ± 0.17	4.26 ± 0.63	Yes	20.40 ± 0.59	75.48 ± 2.17	Yes		
	11/15/17	0.68 ± 0.47	2.52 ± 1.74	No	23.40 ± 1.14	86.58 ± 4.22	Yes		
	11/21/17	0.86 ± 0.36	3.17 ± 1.31	No	18.70 ± 0.85	69.19 ± 3.15	Yes		
	11/29/17	1.25 ± 0.21	4.63 ± 0.78	Yes	21.70 ± 0.56	80.29 ± 2.06	Yes		
	12/06/17	1.39 ± 0.19	5.14 ± 0.69	Yes	25.60 ± 0.63	94.72 ± 2.33	Yes		
	12/13/17	1.95 ± 0.23	7.22 ± 0.84	Yes	51.80 ± 0.87	191.66 ± 3.20	Yes		
	12/19/17	3.64 ± 0.30	13.47 ± 1.11	Yes	58.40 ± 1.00	216.08 ± 3.69	Yes		
	12/27/17	0.85 ± 0.14	3.13 ± 0.53	Yes	21.60 ± 0.53	79.92 ± 1.96	Yes		
VAN BUREN GATE	10/04/17	0.72 ± 0.17	2.66 ± 0.61	Yes	14.10 ± 0.43	52.17 ± 1.57	Yes		
	10/11/17	0.84 ± 0.17	3.11 ± 0.63	Yes	14.40 ± 0.43	53.28 ± 1.60	Yes		
	10/18/17	0.93 ± 0.20	3.43 ± 0.75	Yes	17.90 ± 0.52	66.23 ± 1.91	Yes		
	10/25/17	1.21 ± 0.18	4.48 ± 0.65	Yes	22.90 ± 0.60	84.73 ± 2.22	Yes		
	11/01/17	1.38 ± 0.17	5.11 ± 0.64	Yes	27.70 ± 0.64	102.49 ± 2.35	Yes		
	11/08/17	1.34 ± 0.17	4.96 ± 0.64	Yes	18.30 ± 0.55	67.71 ± 2.02	Yes		
	11/15/17	0.64 ± 0.27	2.37 ± 0.99	No	22.60 ± 0.73	83.62 ± 2.70	Yes		
	11/21/17	1.23 ± 0.30	4.55 ± 1.10	Yes	19.90 ± 0.72	73.63 ± 2.65	Yes		
	11/29/17	1.18 ± 0.20	4.37 ± 0.74	Yes	21.70 ± 0.53	80.29 ± 1.97	Yes		
	12/06/17	1.03 ± 0.17	3.81 ± 0.64	Yes	23.50 ± 0.61	86.95 ± 2.27	Yes		
	12/13/17	2.13 ± 0.23	7.88 ± 0.84	Yes	44.40 ± 0.80	164.28 ± 2.97	Yes		
	12/19/17	2.72 ± 0.27	10.06 ± 1.00	Yes	55.50 ± 0.98	205.35 ± 3.62	Yes		
	12/27/17	0.51 ± 0.13	1.88 ± 0.49	Yes	18.90 ± 0.52	69.93 ± 1.94	Yes		

a. Invalid sample result shown in red