

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	07/05/17	1.58 ± 0.20	5.85 ± 0.75	Yes	28.90 ± 0.67	106.93 ± 2.49	Yes						
	07/12/17	2.03 ± 0.23	7.51 ± 0.84	Yes	29.90 ± 0.72	110.63 ± 2.67	Yes						
	07/19/17	1.57 ± 0.23	5.81 ± 0.84	Yes	19.60 ± 0.56	72.52 ± 2.07	Yes						
	07/26/17	1.71 ± 0.24	6.33 ± 0.88	Yes	19.80 ± 0.56	73.26 ± 2.08	Yes						
	08/02/17	2.10 ± 0.21	7.77 ± 0.79	Yes	31.60 ± 0.71	116.92 ± 2.63	Yes						
	08/09/17	3.17 ± 0.33	11.73 ± 1.22	Yes	31.70 ± 0.89	117.29 ± 3.31	Yes						
	08/16/17	2.31 ± 0.29	8.55 ± 1.07	Yes	30.50 ± 0.90	112.85 ± 3.32	Yes						
	08/23/17	2.37 ± 0.22	8.77 ± 0.81	Yes	28.10 ± 0.66	103.97 ± 2.45	Yes						
	08/30/17	2.23 ± 0.23	8.25 ± 0.84	Yes	34.10 ± 0.72	126.17 ± 2.66	Yes						
	09/06/17	3.69 ± 0.31	13.65 ± 1.15	Yes	35.00 ± 0.85	129.50 ± 3.15	Yes						
	09/13/17	4.56 ± 0.34	16.87 ± 1.26	Yes	38.40 ± 0.89	142.08 ± 3.29	Yes						
	09/20/17	1.21 ± 0.23	4.48 ± 0.83	Yes	16.80 ± 0.54	62.16 ± 2.01	Yes						
	09/27/17	0.88 ± 0.21	3.26 ± 0.78	Yes	13.40 ± 0.49	49.58 ± 1.82	Yes						
ATOMIC CITY													
	07/05/17	1.38 ± 0.20	5.11 ± 0.73	Yes	24.60 ± 0.64	91.02 ± 2.38	Yes						
	07/12/17	1.84 ± 0.21	6.81 ± 0.76	Yes	28.80 ± 0.67	106.56 ± 2.49	Yes						
	07/19/17	1.24 ± 0.21	4.59 ± 0.77	Yes	20.40 ± 0.55	75.48 ± 2.05	Yes						
	07/26/17	1.91 ± 0.24	7.07 ± 0.87	Yes	19.90 ± 0.55	73.63 ± 2.02	Yes						
	08/02/17	1.95 ± 0.20	7.22 ± 0.75	Yes	30.70 ± 0.69	113.59 ± 2.56	Yes						
	08/09/17	2.84 ± 0.26	10.51 ± 0.95	Yes	29.10 ± 0.71	107.67 ± 2.61	Yes						
	08/16/17	2.78 ± 0.26	10.29 ± 0.96	Yes	29.30 ± 0.74	108.41 ± 2.75	Yes						
	08/23/17	2.19 ± 0.21	8.10 ± 0.77	Yes	28.50 ± 0.65	105.45 ± 2.39	Yes						
	08/30/17	2.44 ± 0.24	9.03 ± 0.90	Yes	33.20 ± 0.74	122.84 ± 2.75	Yes						
	09/06/17	4.48 ± 0.31	16.58 ± 1.13	Yes	35.10 ± 0.77	129.87 ± 2.85	Yes						
	09/13/17	3.56 ± 0.29	13.17 ± 1.06	Yes	36.40 ± 0.81	134.68 ± 2.99	Yes						
	09/20/17	1.19 ± 0.22	4.40 ± 0.81	Yes	13.90 ± 0.50	51.43 ± 1.85	Yes						
	09/27/17	0.77 ± 0.21	2.85 ± 0.76	Yes	13.90 ± 0.50	51.43 ± 1.84	Yes						
BLUE DOME													
	07/05/17	1.58 ± 0.20	5.85 ± 0.73	Yes	23.70 ± 0.61	87.69 ± 2.26	Yes						
	07/12/17	1.57 ± 0.20	5.81 ± 0.74	Yes	27.30 ± 0.67	101.01 ± 2.47	Yes						
	07/19/17	1.71 ± 0.23	6.33 ± 0.85	Yes	16.90 ± 0.52	62.53 ± 1.94	Yes						
	07/26/17	2.28 ± 0.25	8.44 ± 0.93	Yes	19.20 ± 0.54	71.04 ± 2.01	Yes						
	08/02/17	2.27 ± 0.21	8.40 ± 0.78	Yes	28.70 ± 0.66	106.19 ± 2.46	Yes						
	08/09/17	2.95 ± 0.26	10.92 ± 0.96	Yes	27.10 ± 0.68	100.27 ± 2.53	Yes						
	08/16/17	2.72 ± 0.27	10.06 ± 1.01	Yes	26.40 ± 0.76	97.68 ± 2.81	Yes						
	08/23/17	3.17 ± 0.24	11.73 ± 0.88	Yes	25.30 ± 0.61	93.61 ± 2.26	Yes						
	08/30/17	2.63 ± 0.24	9.73 ± 0.88	Yes	30.00 ± 0.68	111.00 ± 2.52	Yes						
	09/06/17	4.61 ± 0.31	17.06 ± 1.16	Yes	30.20 ± 0.74	111.74 ± 2.73	Yes						
	09/13/17	4.27 ± 0.31	15.80 ± 1.15	Yes	35.30 ± 0.81	130.61 ± 2.99	Yes						
	09/20/17	1.16 ± 0.20	4.29 ± 0.75	Yes	12.80 ± 0.46	47.36 ± 1.71	Yes						
	09/27/17	0.73 ± 0.20	2.69 ± 0.73	Yes	13.60 ± 0.48	50.32 ± 1.77	Yes						
FAA TOWER													
	07/05/17	2.12 ± 0.23	7.84 ± 0.85	Yes	26.60 ± 0.68	98.42 ± 2.50	Yes						
	07/12/17	2.54 ± 0.24	9.40 ± 0.88	Yes	33.60 ± 0.73	124.32 ± 2.72	Yes						
	07/19/17	1.49 ± 0.22	5.51 ± 0.81	Yes	19.00 ± 0.54	70.30 ± 2.00	Yes						
	07/26/17	1.50 ± 0.23	5.55 ± 0.86	Yes	19.70 ± 0.57	72.89 ± 2.10	Yes						
	08/02/17	2.21 ± 0.21	8.18 ± 0.79	Yes	33.10 ± 0.71	122.47 ± 2.63	Yes						
	08/09/17	4.79 ± 0.33	17.72 ± 1.23	Yes	31.30 ± 0.77	115.81 ± 2.83	Yes						
	08/16/17	4.06 ± 0.39	15.02 ± 1.45	Yes	32.90 ± 1.02	121.73 ± 3.77	Yes						
	08/23/17	2.76 ± 0.23	10.21 ± 0.84	Yes	26.80 ± 0.63	99.16 ± 2.34	Yes						
	08/30/17	2.60 ± 0.24	9.62 ± 0.90	Yes	31.60 ± 0.71	116.92 ± 2.63	Yes						
	09/06/17	4.52 ± 0.31	16.72 ± 1.13	Yes	31.50 ± 0.74	116.55 ± 2.72	Yes						
	09/13/17	4.08 ± 0.29	15.10 ± 1.07	Yes	36.50 ± 0.78	135.05 ± 2.87	Yes						
	09/20/17	0.65 ± 0.19	2.40 ± 0.70	Yes	14.90 ± 0.50	55.13 ± 1.84	Yes						
	09/27/17	0.57 ± 0.20	2.11 ± 0.75	No	13.30 ± 0.50	49.21 ± 1.86	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	07/05/17	2.11 ± 0.22	7.81 ± 0.82	Yes	28.30 ± 0.67	104.71 ± 2.46	Yes						
	07/12/17	2.46 ± 0.22	9.10 ± 0.82	Yes	30.60 ± 0.67	113.22 ± 2.46	Yes						
	07/19/17	1.33 ± 0.21	4.92 ± 0.76	Yes	19.30 ± 0.53	71.41 ± 1.95	Yes						
	07/26/17	1.59 ± 0.22	5.88 ± 0.81	Yes	18.80 ± 0.52	69.56 ± 1.94	Yes						
	08/02/17	2.98 ± 0.24	11.03 ± 0.89	Yes	30.40 ± 0.69	112.48 ± 2.55	Yes						
	08/09/17	3.69 ± 0.31	13.65 ± 1.16	Yes	29.60 ± 0.79	109.52 ± 2.91	Yes						
	08/16/17	3.29 ± 0.32	12.17 ± 1.20	Yes	29.60 ± 0.87	109.52 ± 3.23	Yes						
	08/23/17	3.11 ± 0.24	11.51 ± 0.87	Yes	28.90 ± 0.64	106.93 ± 2.38	Yes						
	08/30/17	2.89 ± 0.26	10.69 ± 0.94	Yes	31.50 ± 0.72	116.55 ± 2.66	Yes						
	09/06/17	4.83 ± 0.34	17.87 ± 1.25	Yes	32.40 ± 0.80	119.88 ± 2.97	Yes						
	09/13/17	5.73 ± 0.40	21.20 ± 1.49	Yes	35.20 ± 0.93	130.24 ± 3.45	Yes						
	09/20/17	0.83 ± 0.18	3.07 ± 0.67	Yes	12.70 ± 0.44	46.99 ± 1.64	Yes						
09/27/17	0.68 ± 0.20	2.52 ± 0.73	Yes	13.90 ± 0.49	51.43 ± 1.80	Yes							
MONTEVIEW	07/05/17	2.18 ± 0.24	8.07 ± 0.90	Yes	28.00 ± 0.71	103.60 ± 2.64	Yes						
	07/12/17	3.15 ± 0.26	11.66 ± 0.96	Yes	34.30 ± 0.74	126.91 ± 2.75	Yes						
	07/19/17	1.78 ± 0.25	6.59 ± 0.93	Yes	19.30 ± 0.59	71.41 ± 2.18	Yes						
	07/26/17	2.22 ± 0.28	8.21 ± 1.02	Yes	21.70 ± 0.62	80.29 ± 2.30	Yes						
	08/02/17	3.22 ± 0.25	11.91 ± 0.94	Yes	30.70 ± 0.71	113.59 ± 2.62	Yes						
	08/09/17	5.02 ± 0.43	18.57 ± 1.57	Yes	23.30 ± 0.87	86.21 ± 3.23	Yes						
	08/16/17	3.82 ± 0.34	14.13 ± 1.25	Yes	26.70 ± 0.84	98.79 ± 3.09	Yes						
	08/23/17	3.38 ± 0.25	12.51 ± 0.91	Yes	28.70 ± 0.65	106.19 ± 2.39	Yes						
	08/30/17	3.09 ± 0.25	11.43 ± 0.92	Yes	33.30 ± 0.70	123.21 ± 2.58	Yes						
	09/06/17	3.77 ± 0.28	13.95 ± 1.02	Yes	32.20 ± 0.72	119.14 ± 2.66	Yes						
	09/13/17	4.41 ± 0.35	16.32 ± 1.31	Yes	28.10 ± 0.84	103.97 ± 3.10	Yes						
	09/20/17	1.12 ± 0.20	4.14 ± 0.74	Yes	14.80 ± 0.48	54.76 ± 1.76	Yes						
09/27/17	0.78 ± 0.20	2.87 ± 0.75	Yes	12.80 ± 0.48	47.36 ± 1.77	Yes							
MUD LAKE	07/05/17	1.47 ± 0.20	5.44 ± 0.74	Yes	27.70 ± 0.67	102.49 ± 2.47	Yes						
	07/12/17	2.11 ± 0.23	7.81 ± 0.83	Yes	28.40 ± 0.69	105.08 ± 2.57	Yes						
	07/19/17	1.71 ± 0.23	6.33 ± 0.85	Yes	20.70 ± 0.56	76.59 ± 2.08	Yes						
	07/26/17	1.56 ± 0.26	5.77 ± 0.96	Yes	19.80 ± 0.62	73.26 ± 2.29	Yes						
	08/02/17	2.16 ± 0.21	7.99 ± 0.78	Yes	31.20 ± 0.70	115.44 ± 2.58	Yes						
	08/09/17	2.14 ± 0.25	7.92 ± 0.94	Yes	26.60 ± 0.74	98.42 ± 2.75	Yes						
	08/16/17	1.79 ± 0.23	6.62 ± 0.85	Yes	29.30 ± 0.77	108.41 ± 2.85	Yes						
	08/23/17	2.32 ± 0.21	8.58 ± 0.79	Yes	28.50 ± 0.65	105.45 ± 2.41	Yes						
	08/30/17	2.49 ± 0.25	9.21 ± 0.91	Yes	32.70 ± 0.74	120.99 ± 2.75	Yes						
	09/06/17	3.31 ± 0.26	12.25 ± 0.98	Yes	35.70 ± 0.75	132.09 ± 2.79	Yes						
	09/13/17	3.96 ± 0.38	14.65 ± 1.40	Yes	38.80 ± 1.06	143.56 ± 3.92	Yes						
	09/20/17	0.83 ± 0.18	3.06 ± 0.67	Yes	12.20 ± 0.44	45.14 ± 1.62	Yes						
09/27/17	0.99 ± 0.22	3.64 ± 0.81	Yes	14.20 ± 0.51	52.54 ± 1.89	Yes							
DISTANT													
BLACKFOOT	07/05/17	1.13 ± 0.18	4.18 ± 0.68	Yes	27.20 ± 0.65	100.64 ± 2.42	Yes						
	07/12/17	1.85 ± 0.20	6.85 ± 0.73	Yes	31.30 ± 0.66	115.81 ± 2.43	Yes						
	07/19/17	1.23 ± 0.21	4.55 ± 0.78	Yes	18.60 ± 0.54	68.82 ± 2.00	Yes						
	07/26/17	1.53 ± 0.23	5.66 ± 0.84	Yes	20.20 ± 0.56	74.74 ± 2.06	Yes						
	08/02/17	1.73 ± 0.19	6.40 ± 0.70	Yes	31.10 ± 0.67	115.07 ± 2.49	Yes						
	08/09/17	3.03 ± 0.29	11.21 ± 1.05	Yes	30.50 ± 0.78	112.85 ± 2.87	Yes						
	08/16/17	2.46 ± 0.27	9.10 ± 0.98	Yes	29.30 ± 0.80	108.41 ± 2.95	Yes						
	08/23/17	1.63 ± 0.18	6.03 ± 0.66	Yes	26.90 ± 0.61	99.53 ± 2.25	Yes						
	08/30/17	2.30 ± 0.23	8.51 ± 0.84	Yes	35.50 ± 0.73	131.35 ± 2.70	Yes						
	09/06/17	2.95 ± 0.25	10.92 ± 0.93	Yes	32.90 ± 0.73	121.73 ± 2.70	Yes						
	09/13/17	2.81 ± 0.26	10.40 ± 0.97	Yes	33.10 ± 0.79	122.47 ± 2.90	Yes						
	09/20/17	1.30 ± 0.21	4.81 ± 0.77	Yes	15.70 ± 0.49	58.09 ± 1.81	Yes						
09/27/17	1.31 ± 0.22	4.85 ± 0.81	Yes	14.60 ± 0.49	54.02 ± 1.81	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)	
QA-1 (BLACKFOOT)	07/05/17	1.61 ± 0.21	5.96 ± 0.78	Yes	32.30 ± 0.72	119.51 ± 2.67	Yes		
	07/12/17	1.52 ± 0.20	5.62 ± 0.73	Yes	29.40 ± 0.68	108.78 ± 2.52	Yes		
	07/19/17	1.24 ± 0.21	4.59 ± 0.78	Yes	18.30 ± 0.54	67.71 ± 1.99	Yes		
	07/26/17	1.20 ± 0.21	4.44 ± 0.77	Yes	20.30 ± 0.54	75.11 ± 2.00	Yes		
	08/02/17	1.51 ± 0.18	5.59 ± 0.68	Yes	32.20 ± 0.70	119.14 ± 2.59	Yes		
	08/09/17	2.31 ± 0.26	8.55 ± 0.97	Yes	26.90 ± 0.75	99.53 ± 2.77	Yes		
	08/16/17	2.37 ± 0.28	8.77 ± 1.05	Yes	28.10 ± 0.85	103.97 ± 3.15	Yes		
	08/23/17	2.05 ± 0.21	7.59 ± 0.77	Yes	30.30 ± 0.69	112.11 ± 2.53	Yes		
	08/30/17	1.90 ± 0.21	7.03 ± 0.78	Yes	31.70 ± 0.69	117.29 ± 2.55	Yes		
	09/06/17	2.89 ± 0.25	10.69 ± 0.92	Yes	32.80 ± 0.72	121.36 ± 2.68	Yes		
	09/13/17	2.97 ± 0.27	10.99 ± 1.00	Yes	33.70 ± 0.79	124.69 ± 2.94	Yes		
09/20/17	0.79 ± 0.20	2.93 ± 0.74	Yes	12.60 ± 0.48	46.62 ± 1.79	Yes			
09/27/17	0.38 ± 0.17	1.40 ± 0.64	No	13.60 ± 0.47	50.32 ± 1.72	Yes			
CRATERS OF THE MOON	07/05/17	1.47 ± 0.20	5.44 ± 0.74	Yes	26.60 ± 0.66	98.42 ± 2.44	Yes		
	07/12/17	1.61 ± 0.21	5.96 ± 0.78	Yes	28.50 ± 0.71	105.45 ± 2.64	Yes		
	07/19/17	1.66 ± 0.24	6.14 ± 0.87	Yes	19.80 ± 0.57	73.26 ± 2.11	Yes		
	07/26/17	1.15 ± 0.22	4.26 ± 0.80	Yes	20.70 ± 0.57	76.59 ± 2.11	Yes		
	08/02/17	2.10 ± 0.21	7.77 ± 0.79	Yes	29.60 ± 0.70	109.52 ± 2.58	Yes		
	08/09/17	3.14 ± 0.26	11.62 ± 0.97	Yes	30.60 ± 0.71	113.22 ± 2.62	Yes		
	08/16/17	1.53 ± 0.25	5.66 ± 0.91	Yes	30.30 ± 0.87	112.11 ± 3.22	Yes		
	08/23/17	2.40 ± 0.22	8.88 ± 0.82	Yes	26.00 ± 0.64	96.20 ± 2.38	Yes		
	08/30/17	2.36 ± 0.24	8.73 ± 0.90	Yes	31.80 ± 0.74	117.66 ± 2.74	Yes		
	09/06/17	4.88 ± 0.33	18.06 ± 1.24	Yes	33.60 ± 0.80	124.32 ± 2.96	Yes		
	09/13/17	4.01 ± 0.33	14.84 ± 1.24	Yes	34.40 ± 0.88	127.28 ± 3.27	Yes		
09/20/17	1.07 ± 0.20	3.96 ± 0.75	Yes	14.70 ± 0.49	54.39 ± 1.80	Yes			
09/27/17	0.79 ± 0.21	2.93 ± 0.78	Yes	13.90 ± 0.51	51.43 ± 1.87	Yes			
DUBOIS	07/05/17	1.03 ± 0.21	3.81 ± 0.77	Yes	28.00 ± 0.75	103.60 ± 2.78	Yes		
	07/12/17	2.49 ± 0.25	9.21 ± 0.91	Yes	37.80 ± 0.79	139.86 ± 2.94	Yes		
	07/19/17	1.62 ± 0.24	5.99 ± 0.90	Yes	20.70 ± 0.60	76.59 ± 2.22	Yes		
	07/26/17	1.37 ± 0.26	5.07 ± 0.95	Yes	21.00 ± 0.64	77.70 ± 2.37	Yes		
	08/02/17	2.26 ± 0.22	8.36 ± 0.81	Yes	37.20 ± 0.76	137.64 ± 2.82	Yes		
	08/09/17	3.29 ± 0.30	12.17 ± 1.10	Yes	30.70 ± 0.79	113.59 ± 2.91	Yes		
	08/16/17	2.83 ± 0.28	10.47 ± 1.04	Yes	32.70 ± 0.83	120.99 ± 3.08	Yes		
	08/23/17	2.54 ± 0.24	9.40 ± 0.88	Yes	29.60 ± 0.71	109.52 ± 2.62	Yes		
	08/30/17	2.51 ± 0.24	9.29 ± 0.90	Yes	35.70 ± 0.76	132.09 ± 2.82	Yes		
	09/06/17	4.14 ± 0.32	15.32 ± 1.17	Yes	36.30 ± 0.84	134.31 ± 3.09	Yes		
	09/13/17	4.88 ± 0.36	18.06 ± 1.32	Yes	41.80 ± 0.94	154.66 ± 3.47	Yes		
09/20/17	0.76 ± 0.19	2.82 ± 0.70	Yes	13.00 ± 0.47	48.10 ± 1.73	Yes			
09/27/17	0.82 ± 0.21	3.02 ± 0.76	Yes	13.40 ± 0.49	49.58 ± 1.81	Yes			
IDAHO FALLS	07/05/17	1.54 ± 0.21	5.70 ± 0.77	Yes	26.00 ± 0.67	96.20 ± 2.48	Yes		
	07/12/17	2.55 ± 0.25	9.44 ± 0.91	Yes	32.70 ± 0.75	120.99 ± 2.76	Yes		
	07/19/17	1.69 ± 0.24	6.25 ± 0.90	Yes	20.20 ± 0.59	74.74 ± 2.17	Yes		
	07/26/17	1.26 ± 0.23	4.66 ± 0.83	Yes	21.20 ± 0.58	78.44 ± 2.16	Yes		
	08/02/17	2.03 ± 0.21	7.51 ± 0.77	Yes	32.90 ± 0.72	121.73 ± 2.65	Yes		
	08/09/17	2.62 ± 0.34	9.69 ± 1.27	Yes	30.70 ± 0.98	113.59 ± 3.62	Yes		
	08/16/17	2.66 ± 0.29	9.84 ± 1.07	Yes	29.20 ± 0.84	108.04 ± 3.11	Yes		
	08/23/17	2.05 ± 0.21	7.59 ± 0.76	Yes	26.80 ± 0.64	99.16 ± 2.37	Yes		
	08/30/17	2.12 ± 0.22	7.84 ± 0.83	Yes	35.70 ± 0.74	132.09 ± 2.74	Yes		
	09/06/17	4.03 ± 0.31	14.91 ± 1.14	Yes	37.30 ± 0.83	138.01 ± 3.08	Yes		
	09/13/17	3.84 ± 0.36	14.21 ± 1.32	Yes	37.10 ± 0.99	137.27 ± 3.65	Yes		
09/20/17	1.34 ± 0.22	4.96 ± 0.82	Yes	16.20 ± 0.52	59.94 ± 1.92	Yes			
09/27/17	0.93 ± 0.21	3.44 ± 0.78	Yes	13.70 ± 0.49	50.69 ± 1.82	Yes			
JACKSON	07/05/17	1.78 ± 0.16	6.59 ± 0.60	Yes	35.80 ± 0.57	132.46 ± 2.10	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		
	07/12/17	1.68	± 0.39	6.22	± 1.45	Yes	31.00	± 1.29	114.70	± 4.77	Yes		
	07/19/17	1.29	± 0.21	4.77	± 0.78	Yes	20.80	± 0.56	76.96	± 2.06	Yes		
	07/26/17	1.11	± 0.21	4.11	± 0.79	Yes	19.10	± 0.55	70.67	± 2.04	Yes		
	08/02/17	1.50	± 0.18	5.55	± 0.68	Yes	33.80	± 0.71	125.06	± 2.63	Yes		
	08/09/17	2.30	± 0.26	8.51	± 0.97	Yes	32.10	± 0.80	118.77	± 2.97	Yes		
	08/16/17	2.48	± 0.25	9.18	± 0.93	Yes	31.30	± 0.77	115.81	± 2.84	Yes		
	08/23/17	2.02	± 0.21	7.47	± 0.77	Yes	33.30	± 0.71	123.21	± 2.62	Yes		
	08/30/17	2.11	± 0.24	7.81	± 0.87	Yes	31.80	± 0.74	117.66	± 2.75	Yes		
	09/06/17	3.03	± 0.28	11.21	± 1.02	Yes	37.50	± 0.83	138.75	± 3.07	Yes		
	09/13/17	3.42	± 0.35	12.65	± 1.30	Yes	39.80	± 1.05	147.26	± 3.89	Yes		
	09/20/17	1.09	± 0.21	4.03	± 0.78	Yes	15.90	± 0.51	58.83	± 1.90	Yes		
	09/27/17	0.62	± 0.18	2.29	± 0.67	Yes	12.40	± 0.45	45.88	± 1.65	Yes		
SUGAR CITY	07/05/17	1.19	± 0.18	4.40	± 0.67	Yes	26.40	± 0.63	97.68	± 2.32	Yes		
	07/12/17	1.89	± 0.20	6.99	± 0.74	Yes	30.20	± 0.65	111.74	± 2.42	Yes		
	07/19/17	1.43	± 0.21	5.29	± 0.78	Yes	20.00	± 0.53	74.00	± 1.98	Yes		
	07/26/17	1.38	± 0.22	5.11	± 0.80	Yes	20.00	± 0.54	74.00	± 2.01	Yes		
	08/02/17	1.40	± 0.17	5.18	± 0.64	Yes	29.80	± 0.66	110.26	± 2.45	Yes		
	08/09/17	1.94	± 0.29	7.18	± 1.06	Yes	22.90	± 0.81	84.73	± 3.00	Yes		
	08/16/17	1.97	± 0.26	7.29	± 0.95	Yes	26.30	± 0.80	97.31	± 2.97	Yes		
	08/23/17	1.96	± 0.19	7.25	± 0.69	Yes	28.20	± 0.61	104.34	± 2.25	Yes		
	08/30/17	2.11	± 0.21	7.81	± 0.79	Yes	31.10	± 0.67	115.07	± 2.49	Yes		
	09/06/17	3.21	± 0.25	11.88	± 0.91	Yes	34.70	± 0.70	128.39	± 2.60	Yes		
	09/13/17	2.54	± 0.24	9.40	± 0.88	Yes	34.30	± 0.75	126.91	± 2.76	Yes		
	09/20/17	0.93	± 0.19	3.43	± 0.70	Yes	12.90	± 0.45	47.73	± 1.66	Yes		
	09/27/17	0.89	± 0.21	3.28	± 0.76	Yes	14.40	± 0.49	53.28	± 1.82	Yes		
QA-2 (SUGAR CITY)	07/05/17	1.45	± 0.20	5.37	± 0.72	Yes	28.00	± 0.66	103.60	± 2.43	Yes		
	07/12/17	2.13	± 0.21	7.88	± 0.77	Yes	31.00	± 0.66	114.70	± 2.46	Yes		
	07/19/17	1.30	± 0.21	4.81	± 0.76	Yes	18.40	± 0.52	68.08	± 1.92	Yes		
	07/26/17	1.81	± 0.23	6.70	± 0.84	Yes	21.70	± 0.55	80.29	± 2.03	Yes		
	08/02/17	1.82	± 0.20	6.73	± 0.72	Yes	30.80	± 0.68	113.96	± 2.52	Yes		
	08/09/17	2.20	± 0.30	8.14	± 1.11	Yes	22.90	± 0.82	84.73	± 3.03	Yes		
	08/16/17	1.99	± 0.28	7.36	± 1.04	Yes	29.40	± 0.91	108.78	± 3.35	Yes		
	08/23/17	2.16	± 0.20	7.99	± 0.74	Yes	29.30	± 0.63	108.41	± 2.33	Yes		
	08/30/17	2.76	± 0.25	10.21	± 0.93	Yes	32.50	± 0.73	120.25	± 2.69	Yes		
	09/06/17	3.19	± 0.24	11.80	± 0.89	Yes	34.70	± 0.69	128.39	± 2.56	Yes		
	09/13/17	3.68	± 0.28	13.62	± 1.03	Yes	35.40	± 0.77	130.98	± 2.84	Yes		
	09/20/17	1.14	± 0.21	4.22	± 0.76	Yes	14.20	± 0.48	52.54	± 1.79	Yes		
	09/27/17	0.56	± 0.19	2.09	± 0.69	Yes	13.60	± 0.47	50.32	± 1.75	Yes		
INL SITE													
EFS	07/05/17	1.53	± 0.23	5.66	± 0.84	Yes	29.00	± 0.75	107.30	± 2.77	Yes		
	07/12/17	1.87	± 0.23	6.92	± 0.85	Yes	31.60	± 0.77	116.92	± 2.83	Yes		
	07/19/17	1.66	± 0.25	6.14	± 0.92	Yes	19.50	± 0.60	72.15	± 2.21	Yes		
	07/26/17	1.41	± 0.27	5.22	± 0.99	Yes	19.20	± 0.64	71.04	± 2.38	Yes		
	08/02/17	2.07	± 0.26	7.66	± 0.96	Yes	32.30	± 0.88	119.51	± 3.25	Yes		
	08/09/17	2.63	± 0.30	9.73	± 1.12	Yes	27.60	± 0.83	102.12	± 3.07	Yes		
	08/16/17	2.98	± 0.31	11.03	± 1.15	Yes	34.90	± 0.93	129.13	± 3.44	Yes		
	08/23/17	2.40	± 0.25	8.88	± 0.91	Yes	28.60	± 0.75	105.82	± 2.76	Yes		
	08/30/17	2.51	± 0.29	9.29	± 1.07	Yes	35.60	± 0.89	131.72	± 3.29	Yes		
	09/06/17	2.97	± 0.36	10.99	± 1.32	Yes	30.30	± 1.00	112.11	± 3.70	Yes		
	09/13/17	4.96	± 0.41	18.35	± 1.51	Yes	47.60	± 1.13	176.12	± 4.18	Yes		
	09/20/17	1.67	± 0.31	6.18	± 1.15	Yes	18.30	± 0.70	67.71	± 2.58	Yes		
	09/27/17	1.29	± 0.33	4.77	± 1.23	Yes	20.10	± 0.77	74.37	± 2.86	Yes		
MAIN GATE	07/05/17	1.03	± 0.18	3.81	± 0.67	Yes	27.20	± 0.66	100.64	± 2.44	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		
	07/12/17	2.16 ± 0.22	7.99 ± 0.82	Yes	33.90 ± 0.72	125.43 ± 2.67	Yes						
	07/19/17	1.36 ± 0.22	5.03 ± 0.83	Yes	20.10 ± 0.57	74.37 ± 2.12	Yes						
	07/26/17	1.72 ± 0.23	6.36 ± 0.87	Yes	19.50 ± 0.55	72.15 ± 2.04	Yes						
	08/02/17	2.09 ± 0.23	7.73 ± 0.84	Yes	35.00 ± 0.79	129.50 ± 2.90	Yes						
	08/09/17	3.31 ± 0.28	12.25 ± 1.03	Yes	29.50 ± 0.72	109.15 ± 2.68	Yes						
	08/16/17	2.91 ± 0.28	10.77 ± 1.05	Yes	32.00 ± 0.83	118.40 ± 3.06	Yes						
	08/23/17	2.26 ± 0.22	8.36 ± 0.80	Yes	28.60 ± 0.67	105.82 ± 2.47	Yes						
	08/30/17	1.93 ± 0.22	7.14 ± 0.80	Yes	36.70 ± 0.74	135.79 ± 2.75	Yes						
	09/06/17	4.65 ± 0.32	17.21 ± 1.18	Yes	37.20 ± 0.81	137.64 ± 2.99	Yes						
	09/13/17	3.86 ± 0.29	14.28 ± 1.09	Yes	42.30 ± 0.85	156.51 ± 3.15	Yes						
	09/20/17	1.12 ± 0.20	4.14 ± 0.74	Yes	15.10 ± 0.48	55.87 ± 1.79	Yes						
	09/27/17	0.72 ± 0.21	2.66 ± 0.77	Yes	13.70 ± 0.51	50.69 ± 1.88	Yes						
VAN BUREN GATE	07/05/17	1.40 ± 0.20	5.18 ± 0.73	Yes	26.30 ± 0.65	97.31 ± 2.42	Yes						
	07/12/17	1.72 ± 0.21	6.36 ± 0.77	Yes	30.80 ± 0.71	113.96 ± 2.63	Yes						
	07/19/17	2.15 ± 0.25	7.96 ± 0.93	Yes	20.30 ± 0.57	75.11 ± 2.12	Yes						
	07/26/17	2.21 ± 0.26	8.18 ± 0.97	Yes	20.30 ± 0.58	75.11 ± 2.15	Yes						
	08/02/17	1.92 ± 0.21	7.10 ± 0.77	Yes	28.90 ± 0.70	106.93 ± 2.58	Yes						
	08/09/17	2.89 ± 0.27	10.69 ± 1.00	Yes	30.30 ± 0.75	112.11 ± 2.76	Yes						
	08/16/17	2.28 ± 0.27	8.44 ± 0.98	Yes	30.90 ± 0.83	114.33 ± 3.08	Yes						
	08/23/17	2.19 ± 0.22	8.10 ± 0.80	Yes	28.70 ± 0.68	106.19 ± 2.52	Yes						
	08/30/17	2.36 ± 0.23	8.73 ± 0.87	Yes	36.30 ± 0.75	134.31 ± 2.78	Yes						
	09/06/17	4.20 ± 0.31	15.54 ± 1.15	Yes	35.40 ± 0.80	130.98 ± 2.97	Yes						
	09/13/17	4.25 ± 0.31	15.73 ± 1.15	Yes	41.80 ± 0.86	154.66 ± 3.19	Yes						
	09/20/17	1.12 ± 0.21	4.14 ± 0.77	Yes	15.40 ± 0.50	56.98 ± 1.86	Yes						
	09/27/17	1.16 ± 0.22	4.29 ± 0.80	Yes	15.50 ± 0.51	57.35 ± 1.87	Yes						

a. Invalid sample result shown in red