

Table C-1
Weekly Gross Alpha and Beta Concentrations in Air
3rd Quarter 1998

Location	Collection Date	Gross Alpha Concentration \pm 2s Uncertainty 10^{-15} μ Ci/ml	Gross Beta Concentration \pm 2s Uncertainty 10^{-15} μ Ci/ml
Rexburg	07/08/98	3.6 \pm 0.8	34 \pm 2
	07/15/98	2.3 \pm 0.7	33 \pm 2
	07/22/98	2.5 \pm 0.8	38 \pm 2
	07/29/98	2.5 \pm 0.8	34 \pm 2
	08/05/98	2.1 \pm 0.7	28 \pm 2
	08/12/98	2.8 \pm 0.7	35 \pm 2
	08/19/98	1.7 \pm 0.7	32 \pm 2
	08/26/98	2.5 \pm 0.7	28 \pm 2
	09/02/98	2.5 \pm 0.8	40 \pm 2
	09/09/98	2.8 \pm 0.8	46 \pm 3
	09/16/98	3.2 \pm 0.8	31 \pm 2
	09/23/98	1.8 \pm 0.6	22 \pm 2
	09/30/98	1.3 \pm 0.7	28 \pm 2
Blackfoot NOAA	07/08/98	3.2 \pm 1.0	17 \pm 2
	07/15/98	2.3 \pm 0.8	31 \pm 3
	07/22/98	2.4 \pm 0.9	33 \pm 3
	07/29/98	1.9 \pm 0.8	30 \pm 3
	08/05/98	1.9 \pm 0.8	24 \pm 2
	08/12/98	2.5 \pm 0.9	29 \pm 3
	08/19/98	2.5 \pm 1.0	30 \pm 3
	08/26/98	1.8 \pm 0.8	28 \pm 2
	09/02/98	1.7 \pm 1.2	37 \pm 4
	09/09/98	3.4 \pm 4.0	38 \pm 10
	09/16/98	2.2 \pm 0.7	22 \pm 2
	09/23/98	1.2 \pm 0.5	19 \pm 1
	09/30/98	1.1 \pm 0.6	25 \pm 2
Craters of the Moon	07/08/98	0.9 \pm 0.6	27 \pm 2
	07/15/98	1.6 \pm 0.6	27 \pm 2
	07/22/98	0.8 \pm 0.5	24 \pm 2
	07/29/98	0.8 \pm 0.5	25 \pm 2
	08/05/98	-0.1 \pm 0.6	3 \pm 2
	08/12/98	0.8 \pm 0.5	12 \pm 2
	08/19/98	1.1 \pm 0.8	26 \pm 3
	08/26/98	0.3 \pm 0.8	24 \pm 3
	09/02/98	invalid sample due to pump failure	
	09/09/98	1.1 \pm 1.4	40 \pm 5
09/16/98	-0.4 \pm 1.1	20 \pm 4	

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		Concentration \pm 2s Uncertainty 10^{-15} μ Ci/ml		Concentration \pm 2s Uncertainty 10^{-15} μ Ci/ml	
	09/23/98	0.4 \pm 0.4		21 \pm 2	
	09/30/98	0.5 \pm 0.5		21 \pm 2	
Idaho Falls NOAA	07/08/98	2.0 \pm 0.7		31 \pm 2	
	07/15/98	2.7 \pm 0.8		33 \pm 2	
	07/22/98	1.7 \pm 0.7		33 \pm 2	
	07/29/98	1.8 \pm 0.7		31 \pm 2	
	08/05/98	1.8 \pm 0.7		26 \pm 2	
	08/12/98	1.5 \pm 0.6		29 \pm 2	
	08/19/98	2.4 \pm 0.7		30 \pm 2	
	08/26/98	1.4 \pm 0.7		27 \pm 2	
	09/02/98	2.2 \pm 0.8		41 \pm 3	
	09/09/98	2.9 \pm 0.9		40 \pm 3	
	09/16/98	1.6 \pm 0.7		25 \pm 2	
	09/23/98	1.9 \pm 0.7		23 \pm 2	
	09/30/98	0.5 \pm 0.8		26 \pm 3	
Mountain View Middle School Blackfoot	07/08/98	2.6 \pm 0.7		30 \pm 2	
	07/15/98	3.6 \pm 0.9		34 \pm 2	
	07/22/98	2.7 \pm 0.7		34 \pm 2	
	07/29/98	2.4 \pm 0.7		34 \pm 2	
	08/05/98	1.9 \pm 0.6		26 \pm 2	
	08/12/98	2.5 \pm 0.7		29 \pm 2	
	08/19/98	2.1 \pm 0.7		31 \pm 2	
	08/26/98	2.1 \pm 0.7		26 \pm 2	
	09/02/98	3.3 \pm 0.8		41 \pm 2	
	09/09/98	2.3 \pm 0.8		37 \pm 2	
	09/16/98	2.1 \pm 0.7		27 \pm 2	
	09/23/98	1.1 \pm 0.4		12 \pm 1	
	09/30/98	1.5 \pm 0.7		28 \pm 2	
Arco	07/08/98	3.2 \pm 0.9	Replicate Sampler 2.8 \pm 1.0	33 \pm 2	Replicate Sampler 32 \pm 3
	07/15/98	1.7 \pm 0.7	1.7 \pm 0.6	27 \pm 2	23 \pm 2
	07/22/98	2.2 \pm 0.8	2.6 \pm 0.8	34 \pm 3	28 \pm 2
	07/29/98	1.3 \pm 0.6	0.6 \pm 0.4	18 \pm 2	25 \pm 2
	08/05/98	1.3 \pm 0.6	0.9 \pm 0.5	25 \pm 2	22 \pm 2
	08/12/98	1.7 \pm 0.7	1.7 \pm 0.6	27 \pm 2	26 \pm 2
	08/19/98	1.8 \pm 0.7	1.2 \pm 0.5	27 \pm 2	24 \pm 2
	08/26/98	2.3 \pm 0.7	2.1 \pm 0.6	27 \pm 2	25 \pm 2
	09/02/98	1.6 \pm 0.8	2.0 \pm 0.8	37 \pm 3	35 \pm 2
	09/09/98	2.5 \pm 0.8	1.7 \pm 0.6	31 \pm 2	28 \pm 2

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		Concentration \pm 2s Uncertainty 10^{-15} μ Ci/ml	Replicate	Concentration \pm 2s Uncertainty 10^{-15} μ Ci/ml	Replicate
Arco	09/16/98	1.2 \pm 0.7	1.4 \pm 0.5	25 \pm 2	25 \pm 2
	09/23/98	1.0 \pm 0.6	0.9 \pm 0.5	20 \pm 2	19 \pm 2
	09/30/98	0.7 \pm 0.7	0.9 \pm 0.5	28 \pm 2	23 \pm 2
Atomic City	07/08/98	2.2 \pm 0.8		36 \pm 2	
	07/15/98	1.8 \pm 0.6		31 \pm 2	
	07/22/98	2.5 \pm 0.8		37 \pm 2	
	07/29/98	1.6 \pm 0.6		33 \pm 2	
	08/05/98	1.4 \pm 0.6		25 \pm 2	
	08/12/98	2.0 \pm 0.6		30 \pm 2	
	08/19/98	2.1 \pm 0.7		30 \pm 2	
	08/26/98	1.7 \pm 0.6		25 \pm 2	
	09/02/98	2.6 \pm 0.9		41 \pm 3	
	09/09/98		invalid sample due to pump failure		
	09/16/98	1.6 \pm 0.7		26 \pm 2	
	09/23/98	1.2 \pm 0.5		19 \pm 2	
	09/30/98	0.2 \pm 0.8		19 \pm 3	
Howe	07/08/98	2.1 \pm 0.7		35 \pm 2	
	07/15/98	1.1 \pm 0.6		30 \pm 2	
	07/22/98	1.6 \pm 0.6		29 \pm 2	
	07/29/98	1.2 \pm 0.6		30 \pm 2	
	08/05/98	1.0 \pm 0.5		24 \pm 2	
	08/12/98	2.0 \pm 0.7		29 \pm 2	
	08/19/98	1.2 \pm 0.6		29 \pm 2	
	08/26/98	1.5 \pm 0.6		25 \pm 2	
	09/02/98	2.2 \pm 0.9		38 \pm 3	
	09/09/98	2.1 \pm 0.7		37 \pm 2	
	09/16/98	1.2 \pm 0.5		23 \pm 2	
	09/23/98	1.4 \pm 0.5		20 \pm 2	
	09/30/98	0.5 \pm 0.5		24 \pm 2	
FAA Tower	07/08/98	2.3 \pm 0.7		32 \pm 2	
	07/15/98	1.9 \pm 0.6		26 \pm 2	
	07/22/98	1.6 \pm 1.5		33 \pm 5	
	07/29/98	1.4 \pm 0.6		25 \pm 2	
	08/05/98	1.2 \pm 0.6		25 \pm 2	
	08/12/98	2.1 \pm 0.6		26 \pm 2	

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		Concentration \pm 2s Uncertainty 10^{-15} μ Ci/ml		Concentration \pm 2s Uncertainty 10^{-15} μ Ci/ml	
FAA Tower	08/19/98	2.2 \pm 0.7		31 \pm 2	
	08/26/98	1.1 \pm 0.5		21 \pm 2	
	09/02/98	2.3 \pm 0.7		40 \pm 2	
	09/09/98	1.9 \pm 0.6		26 \pm 2	
	09/16/98	1.0 \pm 0.5		22 \pm 2	
	09/23/98	1.0 \pm 0.5		18 \pm 2	
	09/30/98	0.5 \pm 0.5		26 \pm 2	
Montevieu	07/08/98	1.5 \pm 0.7		32 \pm 2	
	07/15/98	2.6 \pm 2.3		30 \pm 7	
	07/22/98	1.7 \pm 0.7		34 \pm 2	
	07/29/98	1.6 \pm 0.6		31 \pm 2	
	08/05/98	2.1 \pm 0.9		27 \pm 3	
	08/12/98	1.4 \pm 3.4		27 \pm 12	
	08/19/98	1.8 \pm 0.7		30 \pm 2	
	08/26/98	1.7 \pm 0.6		25 \pm 2	
	09/02/98	2.1 \pm 0.7		36 \pm 2	
	09/09/98	2.5 \pm 0.8		38 \pm 2	
	09/16/98	1.3 \pm 0.6		25 \pm 2	
	09/23/98	1.5 \pm 0.6		21 \pm 2	
	09/30/98	-2.2 \pm 2.4		18 \pm 7	
Mud Lake	07/08/98	2.2 \pm 1.8		36 \pm 5	
	07/15/98	1.5 \pm 0.6		33 \pm 2	
	07/22/98	2.0 \pm 0.7		33 \pm 2	
	07/29/98	2.3 \pm 0.7		34 \pm 2	
	08/05/98	2.8 \pm 0.9		25 \pm 2	
	08/12/98	1.6 \pm 0.6		33 \pm 2	
	08/19/98	2.4 \pm 0.7		33 \pm 2	
	08/26/98	1.9 \pm 0.7		26 \pm 2	
	09/02/98	3.0 \pm 0.9		40 \pm 3	
	09/09/98	2.7 \pm 0.8		44 \pm 2	
	09/16/98	1.1 \pm 0.6		25 \pm 2	
	09/23/98	1.7 \pm 0.6		23 \pm 2	
	09/30/98	0.8 \pm 0.6		26 \pm 2	
Reno Ranch			Replicate Sampler		Replicate Sampler
	07/08/98	1.2 \pm 0.7	1.9 \pm 0.7	35 \pm 3	32 \pm 2
	07/15/98	1.4 \pm 0.6	2.2 \pm 0.7	26 \pm 2	28 \pm 2
	07/22/98	1.6 \pm 0.7	1.4 \pm 0.6	33 \pm 3	33 \pm 2
	07/29/98	1.3 \pm 0.7	2.0 \pm 0.7	31 \pm 2	30 \pm 2
	08/05/98	1.0 \pm 0.6	1.2 \pm 0.6	26 \pm 2	24 \pm 2

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Location	Collection Date	Gross Alpha		Gross Beta	
		Concentration \pm 2s Uncertainty 10^{-15} μ Ci/ml	Replicate	Concentration \pm 2s Uncertainty 10^{-15} μ Ci/ml	Replicate
Reno Ranch	08/12/98	1.9 \pm 0.7	1.6 \pm 0.6	29 \pm 2	30 \pm 2
	08/19/98	1.5 \pm 0.7	1.8 \pm 0.6	31 \pm 2	29 \pm 2
	08/26/98	1.9 \pm 0.7	1.4 \pm 0.6	29 \pm 2	26 \pm 2
	09/02/98	2.4 \pm 0.9	3.4 \pm 1.0	37 \pm 3	36 \pm 3
	09/09/98	2.3 \pm 0.8	1.7 \pm 0.7	37 \pm 3	40 \pm 3
	09/16/98	1.0 \pm 0.6	1.4 \pm 0.6	24 \pm 2	25 \pm 2
	09/23/98	1.6 \pm 0.7	1.4 \pm 0.6	21 \pm 2	21 \pm 2
	09/30/98	1.1 \pm 0.8	0.7 \pm 0.7	25 \pm 2	24 \pm 2
INEEL Main Gate	07/08/98	1.4 \pm 0.6		32 \pm 2	
	07/15/98	1.8 \pm 0.6		30 \pm 2	
	07/22/98	2.1 \pm 0.6		33 \pm 2	
	07/29/98	1.7 \pm 0.6		33 \pm 2	
	08/05/98	1.5 \pm 0.5		28 \pm 2	
	08/12/98	1.7 \pm 0.6		29 \pm 2	
	08/19/98	1.4 \pm 0.5		32 \pm 2	
	08/26/98	2.3 \pm 0.7		31 \pm 2	
	09/02/98	2.0 \pm 0.7		45 \pm 2	
	09/09/98	2.8 \pm 0.8		40 \pm 3	
	09/16/98	1.4 \pm 0.6		26 \pm 2	
	09/23/98	1.4 \pm 0.5		24 \pm 2	
	09/30/98	0.4 \pm 0.5		24 \pm 2	
EFS	07/08/98	1.6 \pm 0.6		32 \pm 2	
	07/15/98	1.5 \pm 0.6		31 \pm 2	
	07/22/98	1.4 \pm 0.8		32 \pm 3	
	07/29/98	1.5 \pm 0.6		28 \pm 2	
	08/05/98	2.0 \pm 0.6		26 \pm 2	
	08/12/98	1.8 \pm 0.6		29 \pm 2	
	08/19/98	1.6 \pm 0.6		30 \pm 2	
	08/26/98	1.9 \pm 0.7		28 \pm 2	
	09/02/98	1.9 \pm 0.7		42 \pm 3	
	09/09/98	2.5 \pm 0.8		41 \pm 3	
	09/16/98	0.6 \pm 0.5		24 \pm 2	
	09/23/98	1.4 \pm 0.6		24 \pm 2	
	09/30/98	0.6 \pm 0.6		28 \pm 2	

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Location	Collection Date	Gross Alpha Concentration \pm 2s Uncertainty 10^{-15} μ Ci/ml	Gross Beta Concentration \pm 2s Uncertainty 10^{-15} μ Ci/ml
Van Buren	07/08/98	0.6 ± 0.4	17 ± 1
	07/15/98	1.5 ± 0.6	32 ± 2
	07/22/98	1.7 ± 0.7	34 ± 2
	07/29/98	1.1 ± 0.6	36 ± 2
	08/05/98	1.6 ± 0.6	26 ± 2
	08/12/98	1.8 ± 0.7	39 ± 3
	08/19/98	invalid sample due to pump failure	
	08/26/98	1.7 ± 0.7	29 ± 2
	09/02/98	2.6 ± 0.9	40 ± 3
	09/09/98	2.4 ± 0.9	45 ± 3
	09/16/98	0.1 ± 0.9	22 ± 3
	09/23/98	1.0 ± 0.5	20 ± 2
	09/30/98	0.7 ± 0.6	26 ± 2