

New Haven Surface Soil Analytical Results

AL ¹ (pCi/g)	Th-232					U-238				
	1.1					0.46				
	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?
SU1-1-SS-S-0	1.18 +/- 0.28			0.55	0.02	1.11 +/- 0.46	U		1.1	-0.24
SU1-2-SS-S-0	1.10 +/- 0.29			0.5	-0.06	0.80 +/- 1.00	U		1.4	-0.55
SU1-3-SS-S-0	0.87 +/- 0.26			0.37	-0.29	1.10 +/- 1.20	U		1.6	-0.25
SU1-4-SS-S-0	0.70 +/- 0.39	U		0.72	-0.46	2.60 +/- 1.10			1.5	1.25 X
SU1-5-SS-S-0	0.67 +/- 0.50	U		0.9	-0.49	1.68 +/- 0.47			1.1	0.33
SU1-6-SS-S-0	0.89 +/- 0.45			0.88	-0.27	0.19 +/- 0.90	U		1.3	-1.16
SU1-7-SS-S-0	0.86 +/- 0.22			0.52	-0.30	1.20 +/- 1.00	U		1.4	-0.15
SU1-8-SS-S-0	0.85 +/- 0.45			0.84	-0.31	1.62 +/- 0.42			0.91	0.27
SU1-9-SS-S-0	1.41 +/- 0.41			0.69	0.25	4.83 +/- 0.93			1.9	3.48 X
SU1-10-SS-S-0	1.06 +/- 0.28			0.44	-0.10	0.84 +/- 1.00	U		1.4	-0.52
SU1-11-SS-S-0	1.06 +/- 0.43			0.78	-0.10	1.20 +/- 1.10	U		1.4	-0.15
SU1-12-SS-S-0	0.18 +/- 0.17	U		0.38	-0.98	0.73 +/- 0.56	J		0.72	-0.62
SU1-13-SS-S-0	0.80 +/- 0.43	U		0.83	-0.36	1.99 +/- 0.52			1	0.64 X
SU1-14-SS-S-0	0.95 +/- 0.48			0.93	-0.21	0.30 +/- 0.55	U		0.85	-1.05
SU1-15-SS-S-0	0.49 +/- 0.26	U		0.59	-0.67	0.46 +/- 0.72	U		1.2	-0.89
SU1-16-SS-S-0	1.17 +/- 0.28			0.32	0.01	1.46 +/- 0.50			1.4	0.11
SU1-17-SS-S-0	1.28 +/- 0.30			0.54	0.12	2.50 +/- 1.20			1.5	1.15 X
SU1-18-SS-S-0	1.17 +/- 0.28			0.53	0.01	1.00 +/- 1.00	U		1.3	-0.35
SU1-55-SS-B-0	0.33 +/- 0.30	U		0.7	-0.83	1.84 +/- 0.98	U		1.9	0.49 X
SU1-56-SS-B-0	1.29 +/- 0.36			0.45	0.13	5.90 +/- 1.10			1.9	4.55 X
SU1-57-SS-B-0	0.22 +/- 0.35	U		0.7	-0.94	0.90 +/- 1.20	U		1.7	-0.45
SU2-19-SS-S-0	1.12 +/- 0.28			0.53	-0.04	2.07 +/- 0.54			1.2	0.72 X
SU2-20-SS-S-0	0.41 +/- 0.27	U		0.54	-0.75	1.11 +/- 0.80			1	-0.24
SU2-21-SS-S-0	0.41 +/- 0.21	U		0.46	-0.75	0.69 +/- 0.44	U		0.79	-0.66
SU2-22-SS-S-0	0.30 +/- 0.25	U		0.52	-0.86	0.80 +/- 0.83	U		1.1	-0.55
SU2-23-SS-S-0	0.99 +/- 0.25			0.33	-0.17	1.30 +/- 0.61			1.2	-0.05
SU2-24-SS-S-0	0.93 +/- 0.26			0.45	-0.23	1.33 +/- 0.98			1.2	-0.02
SU2-25-SS-S-0	0.44 +/- 0.27	U		0.58	-0.72	1.22 +/- 0.85	U		1.3	-0.13
SU2-26-SS-S-0	0.26 +/- 0.22	U		0.52	-0.90	0.71 +/- 0.43	U		0.77	-0.64
SU2-27-SS-S-0	0.36 +/- 0.26	U		0.53	-0.80	0.50 +/- 1.10	U		1.4	-0.85
SU2-28-SS-S-0	0.25 +/- 0.15	U		0.36	-0.91	0.76 +/- 0.58	U		0.84	-0.59
SU2-29-SS-S-0	0.76 +/- 0.20			0.36	-0.40	0.90 +/- 1.20	U		1.6	-0.45
SU2-30-SS-S-0	0.17 +/- 0.24	U		0.52	-0.99	0.76 +/- 0.83	U		1.2	-0.59
SU2-31-SS-S-0	0.54 +/- 0.30	U		0.69	-0.62	1.30 +/- 1.10	U		1.5	-0.05
SU2-32-SS-S-0	0.88 +/- 0.23			0.4	-0.28	1.40 +/- 1.10	U		1.6	0.05
SU2-33-SS-S-0	1.14 +/- 0.31			0.42	-0.02	1.74 +/- 0.79			1.5	0.39
SU2-34-SS-S-0	0.40 +/- 0.23	U		0.48	-0.76	0.98 +/- 0.74	U		1.5	-0.37
SU2-35-SS-S-0	0.83 +/- 0.23			0.3	-0.33	1.10 +/- 1.20	U		1.8	-0.25
SU2-58-SS-B-0	1.42 +/- 0.38			0.65	0.26	6.30 +/- 1.10			2.1	4.95 X
SU2-59-SS-B-0	6.70 +/- 1.00			1.4	5.54 X	49.1 +/- 6.7			3.6	47.75 X
SU2-60-SS-B-0	7.80 +/- 1.10			1	6.64 X	13.60 +/- 2.10			2.7	12.25 X
SU2-61-SS-B-0	1.05 +/- 0.28			0.55	-0.11	2.39 +/- 0.62			1.4	1.04 X
SU3-36-SS-S-0	0.36 +/- 0.21	U		0.44	-0.80	2.30 +/- 1.00			1.3	0.95 X
SU3-37-SS-S-0	1.50 +/- 0.38			0.75	0.34	0.94 +/- 0.86	U		1.2	-0.41
SU3-38-SS-S-0	0.90 +/- 0.27			0.42	-0.26	0.77 +/- 0.41	U		1.1	-0.58
SU3-39-SS-S-0	0.87 +/- 0.40	U		0.9	-0.29	0.60 +/- 1.10	U		1.5	-0.75
SU3-40-SS-S-0	0.73 +/- 0.21			0.39	-0.43	-0.10 +/- 1.00	U		1.6	-1.45
SU3-41-SS-S-0	1.05 +/- 0.31			0.46	-0.11	1.62 +/- 0.47			1.1	0.27
SU3-42-SS-S-0	0.40 +/- 0.31	U		0.63	-0.76	0.90 +/- 1.10	U		1.4	-0.45

New Haven Surface Soil Analytical Results

AL ¹ (pCi/g)	Th-232					U-238					
	1.1					0.46					
	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?	
SU3-43-SS-S-0	0.30 +/- 0.18		U	0.44	-0.86	0.92	0.93	U	1.3	-0.43	
SU3-44-SS-S-0	0.69 +/- 0.36		U	0.8	-0.47	0.20	0.72	U	1.2	-1.15	
SU3-45-SS-S-0	0.35 +/- 0.37		U	0.81	-0.81	1.60	1.00		1.3	0.25	
SU3-46-SS-S-0	0.54 +/- 0.29		U	0.57	-0.62	1.33	0.33		0.64	-0.02	
SU3-47-SS-S-0	0.59 +/- 0.30			0.57	-0.57	0.78	0.66	U	0.91	-0.57	
SU3-48-SS-S-0	0.16 +/- 0.13		U	0.33	-1.00	0.73	0.35	U	0.81	-0.62	
SU3-49-SS-S-0	1.36 +/- 0.27			0.47	0.20	0.94	0.39	U	0.96	-0.41	
SU3-50-SS-S-0	0.40 +/- 0.21		U	0.48	-0.76	0.78	0.70	U	1	-0.57	
SU3-51-SS-S-0	0.15 +/- 0.14		U	0.3	-1.01	0.97	0.32	J	0.83	-0.38	
SU3-52-SS-S-0	1.00 +/- 0.38			0.67	-0.16	0.74	0.57	U	1.1	-0.61	
SU3-53-SS-S-0	1.29 +/- 0.22			0.24	0.13	1.30	1.10	U	1.4	-0.05	
SU3-54-SS-S-0	1.18 +/- 0.23			0.37	0.02	0.89	0.36	J	0.79	-0.46	
SU3-62-SS-B-0	1.01 +/- 0.52			0.96	-0.15	3.56 +/- 0.79			1.5	2.21	X
SU3-63-SS-B-0	1.18 +/- 0.56		U	1.3	0.02	4.04 +/- 0.95			2.3	2.69	X
SU3-64-SS-B-0	1.52 +/- 0.65			1.2	0.36	3.21 +/- 0.74			1.7	1.86	X
SU3-65-SS-B-0	0.71 +/- 0.42		U	0.98	-0.45	1.1 +/- 1.3		U	1.8	-0.25	
SU3-66-SS-B-0	1.43 +/- 0.37			0.7	0.27	1.6 +/- 0.66		U	1.7	0.25	
SU3-67-SS-B-0	0.93 +/- 0.4			0.89	-0.23	5.8 +/- 1			1.5	4.45	X
SU3-68-SS-B-0	0.06 +/- 0.23		U	0.49	-1.10	1.36 +/- 0.89			1.3	0.01	
SU3-69-SS-B-0	0.52 +/- 0.18			0.39	-0.64	0.91 +/- 0.81		U	1.2	-0.44	
SU4-70-SS-B-0	1.29 +/- 0.69		U	1.3	0.13	3.79 +/- 0.96			2	2.44	X
SU4-71-SS-B-0	1.75 +/- 0.47			0.61	0.59	4.1 +/- 1.5			2.7	2.75	X
SU4-72-SS-B-0	0.29 +/- 0.31		U	0.62	-0.87	2.09 +/- 0.52			0.96	0.74	X
SU4-73-SS-S-0	1.14 +/- 0.26			0.4	-0.02	0.88 +/- 0.93		U	1.4	-0.47	
SU4-74-SS-S-0	1.08 +/- 0.3			0.33	-0.08	1.48 +/- 0.46			1	0.13	
SU4-75-SS-S-0	1.08 +/- 0.26			0.52	-0.08	1.2 +/- 1		U	1.3	-0.15	
SU4-76-SS-S-0	0.95 +/- 0.29			0.37	-0.21	0.85 +/- 0.69		U	1.4	-0.50	
SU4-77-SS-S-0	0.94 +/- 0.2			0.33	-0.22	1.25 +/- 0.42			1.1	-0.10	
SU4-78-SS-S-0	1.18 +/- 0.29			0.41	0.02	2.3 +/- 1.2			1.6	0.95	X
SU4-79-SS-S-0	1.22 +/- 0.35			0.58	0.06	1.2 +/- 1.2		U	1.8	-0.15	
SU4-80-SS-S-0	0.6 +/- 0.3		U	0.62	-0.56	0.35 +/- 0.88		U	1.2	-1.00	
SU4-81-SS-S-0	1.14 +/- 0.49			1	-0.02	0.5 +/- 1.2		U	1.5	-0.85	
SU4-82-SS-S-0	0.89 +/- 0.38			0.77	-0.27	1.88 +/- 0.95			1.4	0.53	X
SU4-83-SS-S-0	0.82 +/- 0.22			0.37	-0.34	0.88 +/- 0.97		U	1.4	-0.47	
SU4-84-SS-S-0	1.38 +/- 0.3			0.4	0.22	1.1 +/- 1.1		U	1.6	-0.25	
SU4-85-SS-S-0	1.27 +/- 0.33			0.48	0.11	1.6 +/- 1.2		U	1.6	0.25	
SU4-86-SS-S-0	1.44 +/- 0.62			1.1	0.28	1.5 +/- 1.2		U	1.9	0.15	
SU4-87-SS-S-0	1.16 +/- 0.27			0.43	0.00	1.2 +/- 1		U	1.4	-0.15	
SU4-88-SS-S-0	0.94 +/- 0.27			0.45	-0.22	1.38 +/- 0.52			1.1	0.03	
SU4-89-SS-S-0	0.96 +/- 0.31			0.55	-0.20	1.8 +/- 1.2			1.6	0.45	
SU4-90-SS-S-0	1.04 +/- 0.25			0.43	-0.12	1 +/- 0.45		J	0.99	-0.35	
SU4-91-SS-S-0	1.22 +/- 0.52			0.95	0.06	1.3 +/- 1.2		U	1.6	-0.05	
SU4-92-SS-S-0	0.82 +/- 0.31			0.53	-0.34	0.4 +/- 1.2		U	1.6	-0.95	
SU4-93-SS-S-0	1.33 +/- 0.35			0.41	0.17	1.3 +/- 0.77		U	1.6	-0.05	
SU4-94-SS-S-0	0.97 +/- 0.24			0.32	-0.19	0.9 +/- 0.89		U	1.2	-0.45	
SU4-95-SS-S-0	0.94 +/- 0.25			0.44	-0.22	0.78 +/- 0.97		U	1.5	-0.57	
SU4-96-SS-S-0	0.32 +/- 0.33		U	0.69	-0.84	0.78 +/- 0.92		U	1.1	-0.57	
SU6-117-SS-S-0	0.94 +/- 0.24			0.46	-0.22	2.73 +/- 0.59			1	1.57	X
SU6-118-SS-S-0	1.09 +/- 0.52			0.94	-0.07	1.55 +/- 0.81		U	1.7	0.39	
SU8-119-SS-S-0	5.35 +/- 0.77			0.79	4.19	13.1 +/- 1.9			2.2	11.94	X

NOTES:

- 1) AL = Action Level
- 2) Sample Locations are in the format SU#-WW-XX-Y-Z, where SU = Survey Unit #, WW = Location, XX = SS or SB (Surface Soil or Subsurface Soil), Y = S or B (Systematic or Bias), and Z = 0 or 1 (Normal or Duplicate Sample)
- 3) TPU = Total Propagated Uncertainty
- 4) Flags = Qualifier
- 5) MDC = Minimum Detectable Concentration
- 6) Net Sample Result = Gross Result - Average Reference Area Concentration

New Haven Sub-surface Soil Analytical Results

AL ¹ (pCi/g)	Th-232					U-238				
	1.1					0.46				
Sample Locations ²	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?
SU1-1-SB-S-0	0.83 +/- 0.24			0.45	-0.33	1.58 +/- 0.81	U		1.6	0.23
SU1-2-SB-S-0	0.78 +/- 0.41		U	0.78	-0.38	1.80 +/- 1.20			1.7	0.45
SU1-3-SB-S-0	1.05 +/- 0.44			0.92	-0.11	1.83 +/- 0.47			1	0.48 X
SU1-4-SB-S-0	1.01 +/- 0.24			0.39	-0.15	0.88 +/- 0.93	U		1.4	-0.47
SU1-5-SB-S-0	1.08 +/- 0.26			0.44	-0.08	1.30 +/- 1.20	U		1.5	-0.05
SU1-6-SB-S-0	0.92 +/- 0.48			0.81	-0.24	0.90 +/- 0.72	U		1.5	-0.45
SU1-7-SB-S-0	1.06 +/- 0.35			0.52	-0.10	0.79 +/- 0.40	U		0.97	-0.56
SU1-8-SB-S-0	0.90 +/- 0.22			0.37	-0.26	1.50 +/- 1.20			1.5	0.15
SU1-9-SB-S-0	0.81 +/- 0.54		U	0.91	-0.35	2.15 +/- 0.61			1.9	0.80 X
SU1-10-SB-S-0	1.31 +/- 0.27			0.49	0.15	0.99 +/- 0.50	U		1.3	-0.36
SU1-11-SB-S-0	0.82 +/- 0.40		U	0.86	-0.34	0.99 +/- 0.41	U		1.1	-0.36
SU1-12-SB-S-0	0.21 +/- 0.15		U	0.35	-0.95	0.36 +/- 0.61	U		0.82	-0.99
SU1-13-SB-S-0	0.46 +/- 0.33		U	0.69	-0.70	1.96 +/- 0.53			1.1	0.61 X
SU1-14-SB-S-0	0.32 +/- 0.21		U	0.45	-0.84	1.20 +/- 1.00	U		1.6	-0.15
SU1-15-SB-S-0	0.40 +/- 0.30		U	0.43	-0.76	1.01 +/- 0.70	U		1.1	-0.34
SU1-16-SB-S-0	1.10 +/- 0.24			0.37	-0.06	1.35 +/- 0.98	U		1.4	0.00
SU1-17-SB-S-0	1.15 +/- 0.31			0.41	-0.01	2.10 +/- 1.10			1.5	0.75 X
SU1-18-SB-S-0	1.21 +/- 0.30			0.66	0.05	0.80 +/- 1.20	U		1.6	-0.55
SU1-55-SB-B-0	1.02 +/- 0.52		U	1	-0.14	3.46 +/- 0.75			1.4	2.11 X
SU1-56-SB-B-0	1.72 +/- 0.38			0.62	0.56	3.20 +/- 0.79			1.8	1.85 X
SU1-57-SB-B-0	0.80 +/- 0.44		U	0.93	-0.36	0.73 +/- 0.86	U		1.3	-0.62
SU2-19-SB-S-0	1.09 +/- 0.34			0.42	-0.07	0.30 +/- 1.30	U		1.7	-1.05
SU2-20-SB-S-0	1.03 +/- 0.29			0.38	-0.13	1.10 +/- 1.10	U		1.4	-0.25
SU2-21-SB-S-0	0.42 +/- 0.14		J	0.21	-0.74	0.77 +/- 0.26	J		0.65	-0.58
SU2-22-SB-S-0	0.76 +/- 0.23			0.47	-0.40	1.50 +/- 1.10			1.4	0.15
SU2-23-SB-S-0	1.50 +/- 0.39			0.47	0.34	1.70 +/- 1.20	U		1.7	0.35
SU2-24-SB-S-0	1.08 +/- 0.29			0.42	-0.08	1.03 +/- 0.94	U		1.4	-0.32
SU2-25-SB-S-0	1.03 +/- 0.31			0.48	-0.13	1.60 +/- 1.20			1.5	0.25
SU2-26-SB-S-0	0.44 +/- 0.21		U	0.45	-0.72	0.74 +/- 0.70	U		0.96	-0.61
SU2-27-SB-S-0	1.01 +/- 0.30			0.51	-0.15	0.17 +/- 0.78	U		1.1	-1.18
SU2-28-SB-S-0	0.21 +/- 0.11		U	0.24	-0.95	0.73 +/- 0.25	J		0.64	-0.62
SU2-29-SB-S-0	1.15 +/- 0.34			0.38	-0.01	1.00 +/- 0.78	U		1	-0.35
SU2-30-SB-S-0	0.72 +/- 0.23			0.33	-0.44	0.34 +/- 0.72	U		0.93	-1.01
SU2-31-SB-S-0	1.19 +/- 0.51			0.92	0.03	0.74 +/- 0.86	U		1.3	-0.61
SU2-32-SB-S-0	1.24 +/- 0.29			0.53	0.08	0.85 +/- 0.41	U		1.1	-0.50
SU2-33-SB-S-0	1.15 +/- 0.27			0.49	-0.01	1.90 +/- 1.10			1.5	0.55 X
SU2-34-SB-S-0	1.28 +/- 0.29			0.5	0.12	0.24 +/- 0.58	U		0.84	-1.11
SU2-35-SB-S-0	1.23 +/- 0.35			0.47	0.07	0.22 +/- 0.74	U		1.1	-1.13
SU3-36-SB-S-0	0.82 +/- 0.25			0.33	-0.34	0.51 0.56	U		0.8	-0.84
SU3-37-SB-S-0	0.78 +/- 0.23			0.4	-0.38	2.00 1.60	U		2.3	0.65 X
SU3-38-SB-S-0	1.00 +/- 0.22			0.42	-0.16	1.30 1.00	U		1.4	-0.05
SU3-39-SB-S-0	1.04 +/- 0.29			0.49	-0.12	1.30 1.20	U		1.4	-0.05
SU3-40-SB-S-0	0.79 +/- 0.25			0.38	-0.37	0.30 0.76	U		1.2	-1.05
SU2-58-SB-B-0	1.27 +/- 0.29			0.6	0.11	4.40 +/- 0.82			1.3	3.05 X
SU2-59-SB-B-0	25.5 +/- 3.3			3	24.34 X	128 +/- 17			8	126.65 X
SU2-60-SB-B-0	0.76 +/- 0.23			0.31	-0.40	1.80 +/- 0.44			0.92	0.45
SU2-61-SB-B-0	1.03 +/- 0.28			0.44	-0.13	0.30 +/- 1.00	U		1.3	-1.05
SU3-41-SB-S-0	0.94 +/- 0.45			0.79	-0.22	1.20 1.10	U		1.6	-0.15
SU3-42-SB-S-0	1.24 +/- 0.47			0.85	0.08	0.41 0.89	U		1.3	-0.94
SU3-43-SB-S-0	0.40 +/- 0.31		U	0.63	-0.76	0.92 0.63	J		0.91	-0.43
SU3-44-SB-S-0	0.34 +/- 0.28		U	0.62	-0.82	1.01 0.95	U		1.3	-0.34

New Haven Sub-surface Soil Analytical Results

AL ¹ (pCi/g)	Th-232					U-238				
	1.1					0.46				
Sample Locations ²	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?
SU3-45-SB-S-0	0.27 +/- 0.27		U	0.58	-0.89	1.20	1.20	U	1.4	-0.15
SU3-46-SB-S-0	0.72 +/- 0.19			0.25	-0.44	1.19	0.38		1	-0.16
SU3-47-SB-S-0	0.57 +/- 0.15			0.31	-0.59	1.98	0.45		0.93	0.63 X
SU3-48-SB-S-0	1.01 +/- 0.19			0.35	-0.15	0.57	0.44	U	0.64	-0.78
SU3-49-SB-S-0	1.02 +/- 0.21			0.32	-0.14	1.04	0.98	U	1.3	-0.31
SU3-50-SB-S-0	0.58 +/- 0.29			0.56	-0.58	1.16	0.32		0.63	-0.19
SU3-51-SB-S-0	0.58 +/- 0.15			0.3	-0.58	0.37	0.48	U	0.69	-0.98
SU3-52-SB-S-0	1.26 +/- 0.24			0.38	0.10	0.39	0.84	U	1.1	-0.96
SU3-53-SB-S-0	1.25 +/- 0.29			0.43	0.09	0.79	0.35	J	0.73	-0.56
SU3-54-SB-S-0	1.11 +/- 0.21			0.3	-0.05	1.52	0.46		1	0.17
SU3-62-SB-B-0	1.16 +/- 0.5			1.1	0.00	1.4 +/- 1.4		U	1.9	0.05
SU3-63-SB-B-0	1.08 +/- 0.29			0.55	-0.08	1 +/- 1.2		U	1.7	-0.35
SU3-64-SB-B-0	1.59 +/- 0.65			1.3	0.43	1.2 +/- 1.4		U	1.9	-0.15
SU3-65-SB-B-0	0.99 +/- 0.49			0.92	-0.17	0.9 +/- 1.2		U	1.6	-0.45
SU3-66-SB-B-0	1.47 +/- 0.34			0.54	0.31	1.2 +/- 0.79		U	1.6	-0.15
SU3-67-SB-B-0	0.38 +/- 0.38		U	0.8	-0.78	3 +/- 1.5			2.3	1.65 X
SU3-69-SB-B-0	0.25 +/- 0.26		U	0.52	-0.91	1.3 +/- 0.64			1.1	-0.05
SU4-70-SB-B-0	1.35 +/- 0.36			0.65	0.19	1.57 +/- 0.66			1.4	0.22
SU4-71-SB-B-0	0.96 +/- 0.31			0.61	-0.20	2.17 +/- 0.99			1.8	0.82 X
SU4-72-SB-B-0	0.58 +/- 0.22			0.48	-0.58	1.32 +/- 0.54			1.2	-0.03
SU3-68-SB-B-0	0.49 +/- 0.31		U	0.76	-0.67	1.30 +/- 1.10		U	1.5	-0.05
SU4-73-SB-S-0	1.08 +/- 0.27			0.51	-0.08	0.4 +/- 1		U	1.5	-0.95
SU4-74-SB-S-0	0.84 +/- 0.47		U	0.91	-0.32	-0.2 +/- 1.1		U	1.5	-1.55
SU4-75-SB-S-0	1.33 +/- 0.26			0.33	0.17	0.29 +/- 0.95		U	1.3	-1.06
SU4-76-SB-S-0	1.11 +/- 0.27			0.61	-0.05	1.6 +/- 1.1			1.4	0.25
SU4-77-SB-S-0	1.02 +/- 0.5			0.95	-0.14	1.5 +/- 1.1		U	1.5	0.15
SU4-78-SB-S-0	1.21 +/- 0.25			0.38	0.05	1.62 +/- 0.7			1.3	0.27
SU4-79-SB-S-0	1.03 +/- 0.48		U	1	-0.13	1.6 +/- 0.87		U	1.6	0.25
SU4-80-SB-S-0	0.83 +/- 0.21			0.31	-0.33	0.67 +/- 0.86		U	1.2	-0.68
SU4-81-SB-S-0	1.52 +/- 0.33			0.45	0.36	1.6 +/- 1.3		U	1.7	0.25
SU4-82-SB-S-0	1.27 +/- 0.42			0.41	0.11	0.3 +/- 1.2		U	1.7	-1.05
SU4-83-SB-S-0	0.81 +/- 0.27			0.48	-0.35	1.5 +/- 1.1		U	1.6	0.15
SU4-84-SB-S-0	1.09 +/- 0.22			0.38	-0.07	0.71 +/- 0.9		U	1.2	-0.64
SU4-85-SB-S-0	1.18 +/- 0.26			0.39	0.02	1.14 +/- 0.38			1	-0.21
SU4-86-SB-S-0	1.49 +/- 0.37			0.49	0.33	2 +/- 1.2			1.5	0.65 X
SU4-87-SB-S-0	1.36 +/- 0.34			0.63	0.20	2.5 +/- 1.3			1.7	1.15 X
SU4-88-SB-S-0	1.29 +/- 0.31			0.58	0.13	1 +/- 1.2		U	1.6	-0.35
SU4-89-SB-S-0	1.32 +/- 0.58			1	0.16	2.23 +/- 0.58			1.5	0.88 X
SU4-90-SB-S-0	1.15 +/- 0.29			0.52	-0.01	1.21 +/- 0.81		U	1.6	-0.14
SU4-91-SB-S-0	1.11 +/- 0.29			0.4	-0.05	0.93 +/- 0.49		U	1.3	-0.42
SU4-92-SB-S-0	1.65 +/- 0.67			1.1	0.49	1.63 +/- 0.51			1.3	0.28
SU4-93-SB-S-0	1 +/- 0.31			0.57	-0.16	2 +/- 1.1			1.5	0.65 X
SU4-94-SB-S-0	0.94 +/- 0.25			0.44	-0.22	1.3 +/- 1.1		U	1.5	-0.05
SU4-95-SB-S-0	0.51 +/- 0.33		U	0.73	-0.65	0.46 +/- 0.93		U	1.3	-0.89
SU4-96-SB-S-0	0.76 +/- 0.23			0.43	-0.40	0.8 +/- 1		U	1.3	-0.55
SU8-119-SB-S-0	0.32 +/- 0.19		U	0.4	-0.84	1.09 +/- 0.61			0.84	-0.26

NOTES:

- 1) AL = Action Level
- 2) Sample Locations are in the format SU#-WW-XX-Y-Z, where SU = Survey Unit #, WW = Location, XX = SS or SB (Surface Soil or Subsurface Soil), Y = S or B (Systematic or Bias), and Z = 0 or 1 (Normal or Duplicate Sample)
- 3) TPU = Total Propagated Uncertainty
- 4) Flags = Qualifier
- 5) MDC = Minimum Detectable Concentration
- 6) Net Sample Result = Gross Result - Average Reference Area Concentration

New Haven Reference Area (Background) Analytical Data

	Th-232				U-238			
AL ¹ (pCi/g)	1.1				0.46			
Sample Locations ²	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵
SU5-97-SS-S-0	0.95 +/-	0.51	U	0.96	1.5 +/-	1.2	U	1.5
SU5-98-SS-S-0	1.18 +/-	0.29		0.48	1.7 +/-	1.2		1.6
SU5-99-SS-S-0	0.96 +/-	0.48		0.92	1.3 +/-	1.2	U	1.5
SU5-100-SS-S-0	1.19 +/-	0.25		0.47	2 +/-	1.1		1.4
SU5-101-SS-S-0	0.99 +/-	0.26		0.41	1.4 +/-	1	U	1.5
SU5-102-SS-S-0	0.92 +/-	0.29		0.46	1.2 +/-	1.1	U	1.4
SU5-103-SS-S-0	1.15 +/-	0.25		0.51	1.19 +/-	0.63	U	1.3
SU5-104-SS-S-0	1.17 +/-	0.24		0.42	0.74 +/-	0.41	U	1.1
SU5-105-SS-S-0	1.58 +/-	0.62		1	1.7 +/-	1.2		1.6
SU5-106-SS-S-0	1.32 +/-	0.32		0.5	1.2 +/-	1.2	U	1.6
SU5-97-SB-S-0	1.13 +/-	0.28		0.56	1 +/-	1.2	U	1.5
SU5-98-SB-S-0	1.22 +/-	0.25		0.39	1.02 +/-	0.45	U	1.1
SU5-99-SB-S-0	1.18 +/-	0.29		0.5	1.2 +/-	1.1	U	1.5
SU5-100-SB-S-0	1.24 +/-	0.29		0.44	0.83 +/-	0.52	U	1.5
SU5-101-SB-S-0	1.08 +/-	0.25		0.41	0.87 +/-	0.43	U	1.1
SU5-102-SB-S-0	1.2 +/-	0.32		0.5	1 +/-	1.1	U	1.4
SU5-103-SB-S-0	1.2 +/-	0.32		0.51	0.9 +/-	1.1	U	1.6
SU5-104-SB-S-0	1.06 +/-	0.29		0.35	2.2 +/-	1.2		1.6
SU5-105-SB-S-0	1.45 +/-	0.27		0.5	2.1 +/-	1.1		1.5
SU5-106-SB-S-0	1.36 +/-	0.36		0.41	1.8 +/-	1.2		1.5
SU5-107-SS-S-0	1.26 +/-	0.51		1	1.8 +/-	1.2		1.7
SU5-107-SB-S-0	1.27 +/-	0.28		0.42	1.8 +/-	1		1.4
SU5-108-SS-S-0	1.32 +/-	0.32		0.42	0.42 +/-	0.97	U	1.3
SU5-108-SB-S-0	1.21 +/-	0.3		0.47	1 +/-	1.2	U	1.6
SU5-109-SS-S-0	1.14 +/-	0.3		0.45	1.1 +/-	1.1	U	1.4
SU5-109-SB-S-0	1.26 +/-	0.36		0.47	0.8 +/-	1.2	U	1.7
SU5-110-SS-S-0	0.79 +/-	0.2		0.38	1.24 +/-	0.41		0.91
SU5-110-SB-S-0	1.14 +/-	0.27		0.44	1.9 +/-	1.1		1.5
SU5-111-SS-S-0	1.12 +/-	0.26		0.3	1.28 +/-	0.96	U	1.3
SU5-111-SB-S-0	1.2 +/-	0.46		0.9	0.8 +/-	1	U	1.5
SU5-112-SS-S-0	0.86 +/-	0.23		0.34	1.54 +/-	0.64		1.2
SU5-112-SB-S-0	0.92 +/-	0.26		0.49	1.8 +/-	1.2		1.5
SU5-113-SS-S-0	1.09 +/-	0.28		0.39	2.1 +/-	0.47		0.93
SU5-113-SB-S-0	1.22 +/-	0.33		0.49	1.8 +/-	1.1		1.7
SU5-114-SS-S-0	1.2 +/-	0.29		0.39	2.35 +/-	0.85		1.5
SU5-114-SB-S-0	0.87 +/-	0.27		0.37	1 +/-	1.1	U	1.6
SU5-115-SS-S-0	1 +/-	0.22		0.44	0.98 +/-	0.41	J	0.91
SU5-115-SB-S-0	1.22 +/-	0.32		0.43	1 +/-	1.1	U	1.5
SU5-116-SS-S-0	1.1 +/-	0.26		0.4	1.19 +/-	0.96	U	1.3
SU5-116-SB-S-0	1.48 +/-	0.31		0.52	1.5 +/-	1.2	U	1.5
SU5-120-SS-S-0	1.46 +/-	0.3		0.39	1.6 +/-	1		1.4
SU5-120-SB-S-0	1.22 +/-	0.26		0.53	1 +/-	1.1	U	1.6
Average	1.16				1.35			

NOTES:

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|--|
| 1) AL = Action Level |
| Sample Locations are in the format SU#-WW-XX-Y-Z, where SU = Survey Unit #, WW = Location, XX = SS or SB (Surface Soil or Subsurface Soil), Y = S or B (Systematic or Bias), and Z = 0 or 1 (Normal or Duplicate Sample) |
| 2) Duplicate Sample) |
| 3) TPU = Total Propagated Uncertainty |
| 4) Flags = Qualifier |
| 5) MDC = Minimum Detectable Concentration |
| 6) Net Sample Result = Gross Result - Average Reference Area Concentration |

New Haven Surface Soil Analytical Result Summary

AL ¹ (pCi/g)	Th-232					U-238				
	1.1					0.46				
Sample Locations ²	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?
SU1-1-SS-S-0	1.18 +/- 0.28			0.55	0.02	1.11 +/- 0.46	U		1.1	-0.24
SU1-2-SS-S-0	1.10 +/- 0.29			0.5	-0.06	0.80 +/- 1.00	U		1.4	-0.55
SU1-3-SS-S-0	0.87 +/- 0.26			0.37	-0.29	1.10 +/- 1.20	U		1.6	-0.25
SU1-4-SS-S-0	0.70 +/- 0.39	U		0.72	-0.46	2.60 +/- 1.10			1.5	1.25 X
SU1-5-SS-S-0	0.67 +/- 0.50	U		0.9	-0.49	1.68 +/- 0.47			1.1	0.33
SU1-6-SS-S-0	0.89 +/- 0.45			0.88	-0.27	0.19 +/- 0.90	U		1.3	-1.16
SU1-7-SS-S-0	0.86 +/- 0.22			0.52	-0.30	1.20 +/- 1.00	U		1.4	-0.15
SU1-8-SS-S-0	0.85 +/- 0.45			0.84	-0.31	1.62 +/- 0.42			0.91	0.27
SU1-9-SS-S-0	1.41 +/- 0.41			0.69	0.25	4.83 +/- 0.93			1.9	3.48 X
SU1-10-SS-S-0	1.06 +/- 0.28			0.44	-0.10	0.84 +/- 1.00	U		1.4	-0.52
SU1-11-SS-S-0	1.06 +/- 0.43			0.78	-0.10	1.20 +/- 1.10	U		1.4	-0.15
SU1-12-SS-S-0	0.18 +/- 0.17	U		0.38	-0.98	0.73 +/- 0.56	J		0.72	-0.62
SU1-13-SS-S-0	0.80 +/- 0.43	U		0.83	-0.36	1.99 +/- 0.52			1	0.64 X
SU1-14-SS-S-0	0.95 +/- 0.48			0.93	-0.21	0.30 +/- 0.55	U		0.85	-1.05
SU1-15-SS-S-0	0.49 +/- 0.26	U		0.59	-0.67	0.46 +/- 0.72	U		1.2	-0.89
SU1-16-SS-S-0	1.17 +/- 0.28			0.32	0.01	1.46 +/- 0.50			1.4	0.11
SU1-17-SS-S-0	1.28 +/- 0.30			0.54	0.12	2.50 +/- 1.20			1.5	1.15 X
SU1-18-SS-S-0	1.17 +/- 0.28			0.53	0.01	1.00 +/- 1.00	U		1.3	-0.35
SU1-55-SS-B-0	0.33 +/- 0.30	U		0.7	-0.83	1.84 +/- 0.98	U		1.9	0.49 X
SU1-56-SS-B-0	1.29 +/- 0.36			0.45	0.13	5.90 +/- 1.10			1.9	4.55 X
SU1-57-SS-B-0	0.22 +/- 0.35	U		0.7	-0.94	0.90 +/- 1.20	U		1.7	-0.45
Average					-0.28					0.28
Std. Dev					0.35					1.41
Max					0.25					4.55
SU2-19-SS-S-0	1.12 +/- 0.28			0.53	-0.04	2.07 +/- 0.54			1.2	0.72 X
SU2-20-SS-S-0	0.41 +/- 0.27	U		0.54	-0.75	1.11 +/- 0.80			1	-0.24
SU2-21-SS-S-0	0.41 +/- 0.21	U		0.46	-0.75	0.69 +/- 0.44	U		0.79	-0.66
SU2-22-SS-S-0	0.30 +/- 0.25	U		0.52	-0.86	0.80 +/- 0.83	U		1.1	-0.55
SU2-23-SS-S-0	0.99 +/- 0.25			0.33	-0.17	1.30 +/- 0.61			1.2	-0.05
SU2-24-SS-S-0	0.93 +/- 0.26			0.45	-0.23	1.33 +/- 0.98			1.2	-0.02
SU2-25-SS-S-0	0.44 +/- 0.27	U		0.58	-0.72	1.22 +/- 0.85	U		1.3	-0.13
SU2-26-SS-S-0	0.26 +/- 0.22	U		0.52	-0.90	0.71 +/- 0.43	U		0.77	-0.64
SU2-27-SS-S-0	0.36 +/- 0.26	U		0.53	-0.80	0.50 +/- 1.10	U		1.4	-0.85
SU2-28-SS-S-0	0.25 +/- 0.15	U		0.36	-0.91	0.76 +/- 0.58	U		0.84	-0.59
SU2-29-SS-S-0	0.76 +/- 0.20			0.36	-0.40	0.90 +/- 1.20	U		1.6	-0.45
SU2-30-SS-S-0	0.17 +/- 0.24	U		0.52	-0.99	0.76 +/- 0.83	U		1.2	-0.59
SU2-31-SS-S-0	0.54 +/- 0.30	U		0.69	-0.62	1.30 +/- 1.10	U		1.5	-0.05
SU2-32-SS-S-0	0.88 +/- 0.23			0.4	-0.28	1.40 +/- 1.10	U		1.6	0.05
SU2-33-SS-S-0	1.14 +/- 0.31			0.42	-0.02	1.74 +/- 0.79			1.5	0.39
SU2-34-SS-S-0	0.40 +/- 0.23	U		0.48	-0.76	0.98 +/- 0.74	U		1.5	-0.37
SU2-35-SS-S-0	0.83 +/- 0.23			0.3	-0.33	1.10 +/- 1.20	U		1.8	-0.25
SU2-58-SS-B-0	1.42 +/- 0.38			0.65	0.26	6.30 +/- 1.10			2.1	4.95 X
SU2-59-SS-B-0	6.70 +/- 1.00			1.4	5.54 X	49.1 +/- 6.7			3.6	47.75 X
SU2-60-SS-B-0	7.80 +/- 1.10			1	6.64 X	13.60 +/- 2.10			2.7	12.25 X
SU2-61-SS-B-0	1.05 +/- 0.28			0.55	-0.11	2.39 +/- 0.62			1.4	1.04 X
Average					0.13					2.94
Std. Dev					2.02					10.67
Max					6.64					47.75

New Haven Surface Soil Analytical Result Summary

		Th-232					U-238				
AL ¹ (pCi/g)		1.1					0.46				
Sample Locations ²	RESULT (pCi/g)		Net Sample Result ⁵ >AL?			RESULT (pCi/g)		Net Sample Result ⁵ >AL?			
	TPU ³	Flags ⁴	MDC ⁵			TPU ³	Flags ⁴	MDC ⁵			
SU3-36-SS-S-0	0.36 +/- 0.21	U	0.44	-0.80		2.30	1.00	1.3	0.95	X	
SU3-37-SS-S-0	1.50 +/- 0.38		0.75	0.34		0.94	0.86	U	1.2	-0.41	
SU3-38-SS-S-0	0.90 +/- 0.27		0.42	-0.26		0.77	0.41	U	1.1	-0.58	
SU3-39-SS-S-0	0.87 +/- 0.40	U	0.9	-0.29		0.60	1.10	U	1.5	-0.75	
SU3-40-SS-S-0	0.73 +/- 0.21		0.39	-0.43		-0.10	1.00	U	1.6	-1.45	
SU3-41-SS-S-0	1.05 +/- 0.31		0.46	-0.11		1.62	0.47		1.1	0.27	
SU3-42-SS-S-0	0.40 +/- 0.31	U	0.63	-0.76		0.90	1.10	U	1.4	-0.45	
SU3-43-SS-S-0	0.30 +/- 0.18	U	0.44	-0.86		0.92	0.93	U	1.3	-0.43	
SU3-44-SS-S-0	0.69 +/- 0.36	U	0.8	-0.47		0.20	0.72	U	1.2	-1.15	
SU3-45-SS-S-0	0.35 +/- 0.37	U	0.81	-0.81		1.60	1.00		1.3	0.25	
SU3-46-SS-S-0	0.54 +/- 0.29	U	0.57	-0.62		1.33	0.33		0.64	-0.02	
SU3-47-SS-S-0	0.59 +/- 0.30		0.57	-0.57		0.78	0.66	U	0.91	-0.57	
SU3-48-SS-S-0	0.16 +/- 0.13	U	0.33	-1.00		0.73	0.35	U	0.81	-0.62	
SU3-49-SS-S-0	1.36 +/- 0.27		0.47	0.20		0.94	0.39	U	0.96	-0.41	
SU3-50-SS-S-0	0.40 +/- 0.21	U	0.48	-0.76		0.78	0.70	U	1	-0.57	
SU3-51-SS-S-0	0.15 +/- 0.14	U	0.3	-1.01		0.97	0.32	J	0.83	-0.38	
SU3-52-SS-S-0	1.00 +/- 0.38		0.67	-0.16		0.74	0.57	U	1.1	-0.61	
SU3-53-SS-S-0	1.29 +/- 0.22		0.24	0.13		1.30	1.10	U	1.4	-0.05	
SU3-54-SS-S-0	1.18 +/- 0.23		0.37	0.02		0.89	0.36	J	0.79	-0.46	
SU3-62-SS-B-0	1.01 +/- 0.52		0.96	-0.15		3.56 +/- 0.79			1.5	2.21	
SU3-63-SS-B-0	1.18 +/- 0.56	U	1.3	0.02		4.04 +/- 0.95			2.3	2.69	
SU3-64-SS-B-0	1.52 +/- 0.65		1.2	0.36		3.21 +/- 0.74			1.7	1.86	
SU3-65-SS-B-0	0.71 +/- 0.42	U	0.98	-0.45		1.1 +/- 1.3	U		1.8	-0.25	
SU3-66-SS-B-0	1.43 +/- 0.37		0.7	0.27		1.6 +/- 0.66	U		1.7	0.25	
SU3-67-SS-B-0	0.93 +/- 0.4		0.89	-0.23		5.8 +/- 1			1.5	4.45	
SU3-68-SS-B-0	0.06 +/- 0.23	U	0.49	-1.10		1.36 +/- 0.89			1.3	0.01	
SU3-69-SS-B-0	0.52 +/- 0.18		0.39	-0.64		0.91 +/- 0.81	U		1.2	-0.44	
Average				-0.38						0.12	
Std. Dev				0.44	0					1.29	
Max				0.36						4.45	
SU4-70-SS-B-0	1.29 +/- 0.69	U	1.3	0.13		3.79 +/- 0.96			2	2.44	
SU4-71-SS-B-0	1.75 +/- 0.47		0.61	0.59		4.1 +/- 1.5			2.7	2.75	
SU4-72-SS-B-0	0.29 +/- 0.31	U	0.62	-0.87		2.09 +/- 0.52			0.96	0.74	
SU4-73-SS-S-0	1.14 +/- 0.26		0.4	-0.02		0.88 +/- 0.93	U		1.4	-0.47	
SU4-74-SS-S-0	1.08 +/- 0.3		0.33	-0.08		1.48 +/- 0.46			1	0.13	
SU4-75-SS-S-0	1.08 +/- 0.26		0.52	-0.08		1.2 +/- 1	U		1.3	-0.15	
SU4-76-SS-S-0	0.95 +/- 0.29		0.37	-0.21		0.85 +/- 0.69	U		1.4	-0.50	
SU4-77-SS-S-0	0.94 +/- 0.2		0.33	-0.22		1.25 +/- 0.42			1.1	-0.10	
SU4-78-SS-S-0	1.18 +/- 0.29		0.41	0.02		2.3 +/- 1.2			1.6	0.95	
SU4-79-SS-S-0	1.22 +/- 0.35		0.58	0.06		1.2 +/- 1.2	U		1.8	-0.15	
SU4-80-SS-S-0	0.6 +/- 0.3	U	0.62	-0.56		0.35 +/- 0.88	U		1.2	-1.00	
SU4-81-SS-S-0	1.14 +/- 0.49		1	-0.02		0.5 +/- 1.2	U		1.5	-0.85	
SU4-82-SS-S-0	0.89 +/- 0.38		0.77	-0.27		1.88 +/- 0.95			1.4	0.53	
SU4-83-SS-S-0	0.82 +/- 0.22		0.37	-0.34		0.88 +/- 0.97	U		1.4	-0.47	
SU4-84-SS-S-0	1.38 +/- 0.3		0.4	0.22		1.1 +/- 1.1	U		1.6	-0.25	
SU4-85-SS-S-0	1.27 +/- 0.33		0.48	0.11		1.6 +/- 1.2	U		1.6	0.25	
SU4-86-SS-S-0	1.44 +/- 0.62		1.1	0.28		1.5 +/- 1.2	U		1.9	0.15	
SU4-87-SS-S-0	1.16 +/- 0.27		0.43	0.00		1.2 +/- 1	U		1.4	-0.15	
SU4-88-SS-S-0	0.94 +/- 0.27		0.45	-0.22		1.38 +/- 0.52			1.1	0.03	
SU4-89-SS-S-0	0.96 +/- 0.31		0.55	-0.20		1.8 +/- 1.2			1.6	0.45	
SU4-90-SS-S-0	1.04 +/- 0.25		0.43	-0.12		1 +/- 0.45	J		0.99	-0.35	
SU4-91-SS-S-0	1.22 +/- 0.52		0.95	0.06		1.3 +/- 1.2	U		1.6	-0.05	
SU4-92-SS-S-0	0.82 +/- 0.31		0.53	-0.34		0.4 +/- 1.2	U		1.6	-0.95	
SU4-93-SS-S-0	1.33 +/- 0.35		0.41	0.17		1.3 +/- 0.77	U		1.6	-0.05	
SU4-94-SS-S-0	0.97 +/- 0.24		0.32	-0.19		0.9 +/- 0.89	U		1.2	-0.45	
SU4-95-SS-S-0	0.94 +/- 0.25		0.44	-0.22		0.78 +/- 0.97	U		1.5	-0.57	
SU4-96-SS-S-0	0.32 +/- 0.33	U	0.69	-0.84		0.78 +/- 0.92	U		1.1	-0.57	
Average				-0.12						0.05	
Std. Dev				0.31	0					0.88	
Max				0.59						2.75	
SU6-117-SS-S-0	0.94 +/- 0.24		0.46	-0.22		2.73 +/- 0.59			1	1.57	
SU6-118-SS-S-0	1.09 +/- 0.52		0.94	-0.07		1.55 +/- 0.81	U		1.7	0.39	
Average				-0.15						0.98	
Std. Dev				0.11	0					0.83	
Max				-0.07						1.57	
SU8-119-SS-S-0	5.35 +/- 0.77		0.79	4.19	X	13.1 +/- 1.9			2.2	11.94	

NOTES:

- 1) AL = Action Level
- 2) Sample Locations are in the format SU#-WW-XX-Y-Z, where SU = Survey Unit #, WW
- 3) TPU = Total Propagated Uncertainty
- 4) Flags = Qualifier

New Haven Surface Soil Analytical Result Summary

	Th-232				U-238			
AL ¹ (pCi/g)	1.1				0.46			
Sample Locations ²	RESULT (pCi/g)	TPU ³	Flags ⁴	Net Sample Result ⁶ >AL? MDC ⁵	RESULT (pCi/g)	TPU ³	Flags ⁴	Net Sample Result ⁶ >AL? MDC ⁵
5)	MDC = Minimum Detectable Concentration							
6)	Net Sample Result = Gross Result - Average Reference Area Concentration							

New Haven Sub-surface Soil Analytical Result Summary

AL ¹ (pCi/g)	Th-232					U-238				
	1.1					0.46				
Sample Locations ²	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?
SU1-1-SB-S-0	0.83 +/- 0.24			0.45	-0.33	1.58 +/- 0.81	U		1.6	0.23
SU1-2-SB-S-0	0.78 +/- 0.41	U		0.78	-0.38	1.80 +/- 1.20			1.7	0.45
SU1-3-SB-S-0	1.05 +/- 0.44			0.92	-0.11	1.83 +/- 0.47			1	0.48 x
SU1-4-SB-S-0	1.01 +/- 0.24			0.39	-0.15	0.88 +/- 0.93	U		1.4	-0.47
SU1-5-SB-S-0	1.08 +/- 0.26			0.44	-0.08	1.30 +/- 1.20	U		1.5	-0.05
SU1-6-SB-S-0	0.92 +/- 0.48			0.81	-0.24	0.90 +/- 0.72	U		1.5	-0.45
SU1-7-SB-S-0	1.06 +/- 0.35			0.52	-0.10	0.79 +/- 0.40	U		0.97	-0.56
SU1-8-SB-S-0	0.90 +/- 0.22			0.37	-0.26	1.50 +/- 1.20			1.5	0.15
SU1-9-SB-S-0	0.81 +/- 0.54	U		0.91	-0.35	2.15 +/- 0.61			1.9	0.80 x
SU1-10-SB-S-0	1.31 +/- 0.27			0.49	0.15	0.99 +/- 0.50	U		1.3	-0.36
SU1-11-SB-S-0	0.82 +/- 0.40	U		0.86	-0.34	0.99 +/- 0.41	U		1.1	-0.36
SU1-12-SB-S-0	0.21 +/- 0.15	U		0.35	-0.95	0.36 +/- 0.61	U		0.82	-0.99
SU1-13-SB-S-0	0.46 +/- 0.33	U		0.69	-0.70	1.96 +/- 0.53			1.1	0.61 x
SU1-14-SB-S-0	0.32 +/- 0.21	U		0.45	-0.84	1.20 +/- 1.00	U		1.6	-0.15
SU1-15-SB-S-0	0.40 +/- 0.30	U		0.43	-0.76	1.01 +/- 0.70	U		1.1	-0.34
SU1-16-SB-S-0	1.10 +/- 0.24			0.37	-0.06	1.35 +/- 0.98	U		1.4	0.00
SU1-17-SB-S-0	1.15 +/- 0.31			0.41	-0.01	2.10 +/- 1.10			1.5	0.75 x
SU1-18-SB-S-0	1.21 +/- 0.30			0.66	0.05	0.80 +/- 1.20	U		1.6	-0.55
SU1-55-SB-B-0	1.02 +/- 0.52	U		1	-0.14	3.46 +/- 0.75			1.4	2.11 x
SU1-56-SB-B-0	1.72 +/- 0.38			0.62	0.56	3.20 +/- 0.79			1.8	1.85 x
SU1-57-SB-B-0	0.80 +/- 0.44	U		0.93	-0.36	0.73 +/- 0.86	U		1.3	-0.62
Average				-0.26					0.12	
Std. Dev				0.35	0				0.79	6
Max				0.56					2.11	
SU2-19-SB-S-0	1.09 +/- 0.34			0.42	-0.07	0.30 +/- 1.30	U		1.7	-1.05
SU2-20-SB-S-0	1.03 +/- 0.29			0.38	-0.13	1.10 +/- 1.10	U		1.4	-0.25
SU2-21-SB-S-0	0.42 +/- 0.14	J		0.21	-0.74	0.77 +/- 0.26	J		0.65	-0.58
SU2-22-SB-S-0	0.76 +/- 0.23			0.47	-0.40	1.50 +/- 1.10			1.4	0.15
SU2-23-SB-S-0	1.50 +/- 0.39			0.47	0.34	1.70 +/- 1.20	U		1.7	0.35
SU2-24-SB-S-0	1.08 +/- 0.29			0.42	-0.08	1.03 +/- 0.94	U		1.4	-0.32
SU2-25-SB-S-0	1.03 +/- 0.31			0.48	-0.13	1.60 +/- 1.20			1.5	0.25
SU2-26-SB-S-0	0.44 +/- 0.21	U		0.45	-0.72	0.74 +/- 0.70	U		0.96	-0.61
SU2-27-SB-S-0	1.01 +/- 0.30			0.51	-0.15	0.17 +/- 0.78	U		1.1	-1.18
SU2-28-SB-S-0	0.21 +/- 0.11	U		0.24	-0.95	0.73 +/- 0.25	J		0.64	-0.62
SU2-29-SB-S-0	1.15 +/- 0.34			0.38	-0.01	1.00 +/- 0.78	U		1	-0.35
SU2-30-SB-S-0	0.72 +/- 0.23			0.33	-0.44	0.34 +/- 0.72	U		0.93	-1.01
SU2-31-SB-S-0	1.19 +/- 0.51			0.92	0.03	0.74 +/- 0.86	U		1.3	-0.61
SU2-32-SB-S-0	1.24 +/- 0.29			0.53	0.08	0.85 +/- 0.41	U		1.1	-0.50
SU2-33-SB-S-0	1.15 +/- 0.27			0.49	-0.01	1.90 +/- 1.10			1.5	0.55 x
SU2-34-SB-S-0	1.28 +/- 0.29			0.5	0.12	0.24 +/- 0.58	U		0.84	-1.11
SU2-35-SB-S-0	1.23 +/- 0.35			0.47	0.07	0.22 +/- 0.74	U		1.1	-1.13
SU2-58-SB-B-0	1.03 +/- 0.28			0.44	-0.13	0.30 +/- 1.00	U		1.3	-1.05
SU2-59-SB-B-0	1.27 +/- 0.29			0.6	0.11	4.40 +/- 0.82			1.3	3.05 x
SU2-60-SB-B-0	0.76 +/- 0.23			0.31	-0.40	1.80 +/- 0.44			0.92	0.45
SU2-61-SB-B-0	25.5 +/- 3.3			3	24.34 x	128 +/- 17			8	126.65 x
Average				0.98					5.76	
Std. Dev				5.36	1				27.71	3
Max				24.34					126.65	

New Haven Sub-surface Soil Analytical Result Summary

AL ¹ (pCi/g)	Th-232					U-238				
	1.1					0.46				
Sample Locations ²	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?
SU3-36-SB-S-0	0.82 +/- 0.25			0.33	-0.34	0.51	0.56	U	0.8	-0.84
SU3-37-SB-S-0	0.78 +/- 0.23			0.4	-0.38	2.00	1.60	U	2.3	0.65 X
SU3-38-SB-S-0	1.00 +/- 0.22			0.42	-0.16	1.30	1.00	U	1.4	-0.05
SU3-39-SB-S-0	1.04 +/- 0.29			0.49	-0.12	1.30	1.20	U	1.4	-0.05
SU3-40-SB-S-0	0.79 +/- 0.25			0.38	-0.37	0.30	0.76	U	1.2	-1.05
SU3-41-SB-S-0	0.94 +/- 0.45			0.79	-0.22	1.20	1.10	U	1.6	-0.15
SU3-42-SB-S-0	1.24 +/- 0.47			0.85	0.08	0.41	0.89	U	1.3	-0.94
SU3-43-SB-S-0	0.40 +/- 0.31	U		0.63	-0.76	0.92	0.63	J	0.91	-0.43
SU3-44-SB-S-0	0.34 +/- 0.28	U		0.62	-0.82	1.01	0.95	U	1.3	-0.34
SU3-45-SB-S-0	0.27 +/- 0.27	U		0.58	-0.89	1.20	1.20	U	1.4	-0.15
SU3-46-SB-S-0	0.72 +/- 0.19			0.25	-0.44	1.19	0.38		1	-0.16
SU3-47-SB-S-0	0.57 +/- 0.15			0.31	-0.59	1.98	0.45		0.93	0.63 X
SU3-48-SB-S-0	1.01 +/- 0.19			0.35	-0.15	0.57	0.44	U	0.64	-0.78
SU3-49-SB-S-0	1.02 +/- 0.21			0.32	-0.14	1.04	0.98	U	1.3	-0.31
SU3-50-SB-S-0	0.58 +/- 0.29			0.56	-0.58	1.16	0.32		0.63	-0.19
SU3-51-SB-S-0	0.58 +/- 0.15			0.3	-0.58	0.37	0.48	U	0.69	-0.98
SU3-52-SB-S-0	1.26 +/- 0.24			0.38	0.10	0.39	0.84	U	1.1	-0.96
SU3-53-SB-S-0	1.25 +/- 0.29			0.43	0.09	0.79	0.35	J	0.73	-0.56
SU3-54-SB-S-0	1.11 +/- 0.21			0.3	-0.05	1.52	0.46		1	0.17
SU3-62-SB-B-0	1.16 +/- 0.5			1.1	0.00	1.4 +/-	1.4	U	1.9	0.05
SU3-63-SB-B-0	1.08 +/- 0.29			0.55	-0.08	1 +/-	1.2	U	1.7	-0.35
SU3-64-SB-B-0	1.59 +/- 0.65			1.3	0.43	1.2 +/-	1.4	U	1.9	-0.15
SU3-65-SB-B-0	0.99 +/- 0.49			0.92	-0.17	0.9 +/-	1.2	U	1.6	-0.45
SU3-66-SB-B-0	1.47 +/- 0.34			0.54	0.31	1.2 +/-	0.79	U	1.6	-0.15
SU3-67-SB-B-0	0.38 +/- 0.38	U		0.8	-0.78	3 +/-	1.5		2.3	1.65 X
SU3-68-SB-B-0	0.49 +/- 0.31	U		0.76	-0.67	1.30 +/-	1.10	U	1.5	-0.05
SU3-69-SB-B-0	0.25 +/- 0.26	U		0.52	-0.91	1.3 +/-	0.64		1.1	-0.05
Average				-0.31					-0.23	
Std. Dev				0.37	0				0.58	3
Max				0.43					1.65	
SU4-70-SB-B-0	1.35 +/- 0.36			0.65	0.19	1.57 +/-	0.66		1.4	0.22
SU4-71-SB-B-0	0.96 +/- 0.31			0.61	-0.20	2.17 +/-	0.99		1.8	0.82 X
SU4-72-SB-B-0	0.58 +/- 0.22			0.48	-0.58	1.32 +/-	0.54		1.2	-0.03
SU4-73-SB-S-0	1.08 +/- 0.27			0.51	-0.08	0.4 +/-	1	U	1.5	-0.95
SU4-74-SB-S-0	0.84 +/- 0.47	U		0.91	-0.32	-0.2 +/-	1.1	U	1.5	-1.55
SU4-75-SB-S-0	1.33 +/- 0.26			0.33	0.17	0.29 +/-	0.95	U	1.3	-1.06
SU4-76-SB-S-0	1.11 +/- 0.27			0.61	-0.05	1.6 +/-	1.1		1.4	0.25
SU4-77-SB-S-0	1.02 +/- 0.5			0.95	-0.14	1.5 +/-	1.1	U	1.5	0.15
SU4-78-SB-S-0	1.21 +/- 0.25			0.38	0.05	1.62 +/-	0.7		1.3	0.27
SU4-79-SB-S-0	1.03 +/- 0.48	U		1	-0.13	1.6 +/-	0.87	U	1.6	0.25
SU4-80-SB-S-0	0.83 +/- 0.21			0.31	-0.33	0.67 +/-	0.86	U	1.2	-0.68
SU4-81-SB-S-0	1.52 +/- 0.33			0.45	0.36	1.6 +/-	1.3	U	1.7	0.25
SU4-82-SB-S-0	1.27 +/- 0.42			0.41	0.11	0.3 +/-	1.2	U	1.7	-1.05
SU4-83-SB-S-0	0.81 +/- 0.27			0.48	-0.35	1.5 +/-	1.1	U	1.6	0.15
SU4-84-SB-S-0	1.09 +/- 0.22			0.38	-0.07	0.71 +/-	0.9	U	1.2	-0.64
SU4-85-SB-S-0	1.18 +/- 0.26			0.39	0.02	1.14 +/-	0.38		1	-0.21
SU4-86-SB-S-0	1.49 +/- 0.37			0.49	0.33	2 +/-	1.2		1.5	0.65 X
SU4-87-SB-S-0	1.36 +/- 0.34			0.63	0.20	2.5 +/-	1.3		1.7	1.15 X
SU4-88-SB-S-0	1.29 +/- 0.31			0.58	0.13	1 +/-	1.2	U	1.6	-0.35
SU4-89-SB-S-0	1.32 +/- 0.58			1	0.16	2.23 +/-	0.58		1.5	0.88 X
SU4-90-SB-S-0	1.15 +/- 0.29			0.52	-0.01	1.21 +/-	0.81	U	1.6	-0.14
SU4-91-SB-S-0	1.11 +/- 0.29			0.4	-0.05	0.93 +/-	0.49	U	1.3	-0.42
SU4-92-SB-S-0	1.65 +/- 0.67			1.1	0.49	1.63 +/-	0.51		1.3	0.28
SU4-93-SB-S-0	1 +/- 0.31			0.57	-0.16	2 +/-	1.1		1.5	0.65 X
SU4-94-SB-S-0	0.94 +/- 0.25			0.44	-0.22	1.3 +/-	1.1	U	1.5	-0.05
SU4-95-SB-S-0	0.51 +/- 0.33	U		0.73	-0.65	0.46 +/-	0.93	U	1.3	-0.89
SU4-96-SB-S-0	0.76 +/- 0.23			0.43	-0.40	0.8 +/-	1	U	1.3	-0.55
Average				-0.06					-0.10	
Std. Dev				0.28	0				0.67	5
Max				0.49					1.15	
SU8-119-SB-S-0	0.32 +/- 0.19	U		0.4	-0.84	1.09 +/-	0.61		0.84	-0.26

NOTES:

- 1) AL = Action Level
- 2) Sample Locations are in the format SU#-WW-XX-Y-Z, where SU = Survey Unit #, WW =
- 3) TPU = Total Propagated Uncertainty
- 4) Flags = Qualifier
- 5) MDC = Minimum Detectable Concentration

New Haven Sub-surface Soil Analytical Result Summary

	Th-232					U-238				
AL¹ (pCi/g)	1.1					0.46				
Sample Locations²	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?	RESULT (pCi/g)	TPU ³	Flags ⁴	MDC ⁵	Net Sample Result ⁶ >AL?
6) Net Sample Result = Gross Result - Average Reference Area Concentration										

New Haven Analytical Result Summary Table for All Survey Units

Th-232 Summary								
SU ¹	Surface Soil(SS)				Sub Surface Soil(SB)			
	Average (pCi/g) ²	Standard Deviation	Max (pCi/g)	# exceed SL ³	Average (pCi/g) ²	Standard Deviation	Max (pCi/g)	# exceed SL ³
1	-0.28	0.35	0.25	0	-0.26	0.35	0.56	0
2	0.13	2.02	6.64	2	0.98	5.36	24.34	1
3	-0.38	0.44	0.36	0	-0.31	0.37	0.43	0
4	-0.12	0.31	0.59	0	-0.06	0.28	0.49	0
Entry Road	-0.15	0.11	-0.07	0	N/A ⁴			
Rail Scale	4.19	N/A ⁵	N/A ⁵	1	-0.84	N/A ⁵	N/A ⁵	0

U-238 Summary								
SU ¹	Surface Soil(SS)				Sub Surface Soil(SB)			
	Average (pCi/g) ²	Standard Deviation	Max (pCi/g)	# exceed SL ³	Average (pCi/g) ²	Standard Deviation	Max (pCi/g)	# exceed SL ³
1	0.28	1.41	4.55	6	0.12	0.79	2.11	6
2	2.94	10.67	47.75	5	5.76	27.71	126.65	3
3	0.12	1.29	4.45	5	-0.23	0.58	1.65	3
4	0.05	0.88	2.75	5	-0.10	0.67	1.15	5
Entry Road	0.98	0.83	1.57	1	N/A ⁴			
Rail Scale	11.94	N/A ⁵	N/A ⁵	1	-0.26	N/A ⁵	N/A ⁵	0

NOTES:1)	SU=Survey Unit
2)	Net Sample Result = Gross Result - Average Reference Area Concentration
3)	Number of Net Sample Results Exceeding NRC Default Screening Limit(SL) (Th-232 = 1.1 pCi/g, U-238 = 0.46 pCi.g)
4)	Not applicable (N/A); No data
5)	Only one sample collected, unable to do statistics