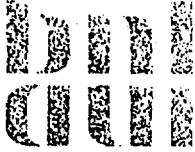


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BROOKHAVEN NATIONAL LABORATORY
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Upton, New York 11973

Safety & Environmental Protection Division

(516) 345- 4207

March 2, 1979

Dr. Allyn M. Seymour
Director
Laboratory of Radioecology
University of Washington
Seattle, Washington 98105

Dear Allyn:

Enclosed is the ^{129}I results on the soil samples that were analyzed by Dr. Fred Brauer (PNWL). It would be interesting to compare the ^{137}Cs values (or even ^{125}Sb , ^{155}Eu and ^{60}Co). Could I request you to look into your past data and check out the values? It would prove as an useful tool to verify the results. It is possible that we may also have ^{99}Tc and ^{135}Cs done on the same samples.

Hoping all is well. My regards to Mrs. Seymour.

Thank you for all your help.

Yours truly,

Janakiram R. Naidu, Ph.D.
Ecologist

JRN/slg

Enclosure

*Box 6 Part 1
2.8 #4
9/1978 - 5/1979*

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SUMMARY OF ¹²⁹I AND GAMMA-RAY SPECTROMETRIC ANALYSIS RESULTS

Sample Number	PNL Number	Collection Date	Gamma Radioactivity as of 7/12/78					On	At	Location
			¹²⁹ I Atoms/g	¹²⁵ Sb Atoms/g	¹³⁷ Cs Atoms/g	¹⁵⁵ Eu Atoms/g	⁶⁰ Co Atoms/g	7/12/78 ¹²⁹ I/ ¹³⁷ Cs	Collection ¹²⁹ I/ ¹³⁷ Cs	
7500	87161	3/54		1.8x10 ⁷	5.1x10 ¹⁰	7.1x10 ⁷	9.8x10 ⁷			Labardz, Rongelap
7501	87162	3/54	6.8x10 ¹⁰	1.1x10 ⁷	2.5x10 ¹⁰	1.5x10 ⁷	5.5x10 ⁷	2.7	1.5	Labardz, Rongelap
9772	87163	7/54	4.8x10 ¹⁰	1.0x10 ⁷	1.7x10 ¹⁰	5.9x10 ⁷	6.4x10 ⁷	2.8	1.6	Kabelle, Rongelap
9773	87164	7/54		1.1x10 ⁷	4.7x10 ⁹	3.2x10 ⁷	7.0x10 ⁷			Kabelle, Rongelap
19293	87165	1/55	1.3x10 ¹¹	6.9x10 ⁶	7.7x10 ⁸	1.7x10 ⁷	1.7x10 ⁷	17.	9.9	Kabelle, Rongelap
19297	87166	1/55	1.5x10 ¹¹		1.5x10 ⁸			1000.	580.	Rongelap
19500	87167	10/55	2.2x10 ¹¹		2.4x10 ⁸	6.2x10 ⁵	3.2x10 ⁶	920.	540.	Rongelap
19505	87168	10/55	2.5x10 ¹⁰		1.2x10 ⁹	1.7x10 ⁶	4.8x10 ⁶	21.	12.	Rongelap
19497	87169	10/55	3.0x10 ¹⁰		9.6x10 ⁸			32.	19.	Rongelap
5539	87170	7/56	4.7x10 ¹⁰	1.4x10 ⁶	1.9x10 ⁹		1.1x10 ⁷	25.	15.	Kabelle, Rongelap
5554	87171	7/56			1.5x10 ⁹	2.5x10 ⁶	4.6x10 ⁶			Rongelap
5558	87172	7/56	2.0x10 ¹⁰	5.4x10 ⁹	1.6x10 ⁹	1.3x10 ⁶	2.7x10 ⁶	13.	7.8	Rongelap
5562	87173	7/56	1.1x10 ¹⁰		4.7x10 ⁸	2.2x10 ⁶	5.8x10 ⁶	23.	14.	Rongelap
5728	87174	7/57			1.6x10 ⁹	5.8x10 ⁶	9.8x10 ⁶			Kabelle, Rongelap
5729	87175	7/57	7.6x10 ¹⁰	3.3x10 ⁶	7.3x10 ⁹	1.6x10 ⁷	2.1x10 ⁷	10.	6.2	Kabelle, Rongelap
5753	87176	7/57	3.9x10 ¹⁰		1.0x10 ⁹	1.8x10 ⁶	3.6x10 ⁶	39.	24.	Rongelap
19289	87177	1/55	4.1x10 ⁹		7.0x10 ⁷			59.	34.	Uterik
19290	87178	1/55	9.3x10 ⁸				1.4x10 ⁶			Uterik
37256	87179	11/74	4.2x10 ⁹		8.7x10 ⁸	3.0x10 ⁶	3.6x10 ⁶	4.8	4.4	Enewetak, Rongelap Rongerik
37330	87180	11/74	6.6x10 ⁹		3.7x10 ⁸	6.4x10 ⁶	4.9x10 ⁶	18.	16.	Enewetak, Rongelap Rongerik
	871	5/55	3.6x10 ⁸		4.9x10 ⁸		1.0x10 ⁷	.73	.43	Nevada Test Site
	881	5/55	9.8x10 ⁷		5.6x10 ⁶			18.	11.	Nevada Test Site
	1450	1/57	2.3x10 ⁸		5.0x10 ⁸	3.3x10 ⁷		.46	.28	Nevada Test Site
	90680	1/67	2.1x10 ¹⁰							Eninman, Bikini
	90681	5/67	8.6x10 ¹¹							Aomen Yurochi, Bikini
9951	87217	12/54	1.8x10 ¹¹		1.2x10 ⁷	4.5x10 ⁵		15000.	8700.	Ponape
5591	87218	7/56	2.8x10 ¹⁰		1.2x10 ⁶		2.6x10 ⁵	23000.	14000.	Kusaie
	4645	8/57	1.1x10 ⁷							Florida
	8360	5/66	5.1x10 ⁷							Hawaii

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