

TABLE 4

**COMPARISON OF NON-SIEVED AND SIEVED DATA
FOR FOUR SAMPLES WITH LOW PERCENTAGE OF GRAVEL
KAISER ALUMINUM
TULSA, OKLAHOMA**

ESSAP Sample ID	NRC Region IV Sample ID	Radionuclide Concentration (pCi/g)							
		Th-228 by Alpha Spec	Th-228 by Pb-212 @238.63 keV	Th-230 by Alpha Spec	Th-230 @67.67 keV	Th-232 by Alpha Spec	Th-232 by Ac-228 @911.07 keV	Total Th ^d by Alpha Spec	Total Th ^d by Gamma Spec
782S006 ^a	014-FS-A1-57A1	1.23 ± 0.14 ^c	1.4 ± 0.1	1.20 ± 0.14	1.2 ± 1.2	1.19 ± 0.14	1.4 ± 0.1	2.42 ± 0.20	2.8 ± 0.1
782S006S ^b	014-FS-A1-57A1	1.41 ± 0.16	1.2 ± 0.1	1.40 ± 0.16	-0.6 ± 2.1	1.37 ± 0.16	1.1 ± 0.1	2.78 ± 0.23	2.3 ± 0.1
782S012	042-FS-2D-124-2-B	2.22 ± 0.22	2.3 ± 0.1	2.71 ± 0.26	3.0 ± 1.8	2.43 ± 0.24	2.2 ± 0.2	4.65 ± 0.33	5.5 ± 0.2
782S012S	042-FS-2D-124-2-B	2.55 ± 0.26	2.3 ± 0.1	3.36 ± 0.32	2.5 ± 1.7	2.60 ± 0.26	2.2 ± 0.2	5.15 ± 0.37	4.5 ± 0.2
782S025	75A	1.59 ± 0.18	1.4 ± 0.1	2.80 ± 0.28	0.7 ± 2.0	1.33 ± 0.16	1.4 ± 0.1	2.59 ± 0.24	2.8 ± 0.1
782S025S	75A	1.98 ± 0.21	1.6 ± 0.1	3.10 ± 0.30	4.6 ± 3.2	1.79 ± 0.20	1.5 ± 0.2	3.77 ± 0.29	3.1 ± 0.2
782S035	25B	3.46 ± 0.31	2.4 ± 0.1	10.52 ± 0.84	7.4 ± 3.5	4.12 ± 0.36	2.6 ± 0.2	7.58 ± 0.48	5.0 ± 0.2
782S035S	25B	3.55 ± 0.44	3.5 ± 0.2	9.20 ± 0.87	12.2 ± 4.6	3.76 ± 0.45	3.4 ± 0.3	7.31 ± 0.63	6.9 ± 0.4

^aSamples without an extension on the ID were not processed through 0.25" sieve.

^bSamples with an "S" extension on the ID were processed through 0.25" sieve.

^cUncertainties represent the 95% confidence level, based on total propagated uncertainties.

^dTotal Th is the sum of Th-228 and Th-232.