

TMI DOCUMENTS

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PH
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7906180672

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LETTON U-2

SAMPLE TIME
908 3/ 28/ 79

COUNT TIME
1139 3/ 28/ 79

-----PRELIMINARY PEAK DATA-----

INT TIME = 10 MINUTES DECAY TIME = 159 MINUTES
SAMPLER VOLUME = 1.00000E-03 MILLILITERS

CHANNEL	PEAK ENERGY (KEV)	FWHM (KEV)	PEAK AREA (COUNTS)	+ OR - (1 SIG)
50.84	80.6974	1.7810	16006.0	159.5
51.00	150.9520	2.1640	1563.2	81.9
51.16	196.0552	1.6855	597.2	63.0
51.32	249.5211	1.6322	14277.0	132.7
51.48	283.9115	1.3372	260.0	44.7
51.64	304.4622	1.8197	181.5	40.6
51.80	364.1889	1.8409	3386.6	71.6
51.96	417.4659	2.4912	136.3	30.4
52.12	510.5894	2.6450	207.0	33.6
52.28	529.4701	1.7803	4142.5	75.7
52.44	545.7707	2.3123	165.4	27.4
52.60	607.8630	2.4043	157.6	28.7
52.76	636.5041	2.6757	184.0	28.5
52.92	667.2202	2.0985	653.5	79.2
53.08	771.7541	1.5555	419.5	29.7
53.24	874.6879	2.2936	135.0	21.6
53.40	897.8680	2.3415	1253.3	40.8
53.56	1130.5575	2.4330	268.0	24.0
53.72	1259.5423	2.2397	315.5	24.6
53.88	1790.3821	3.7401	69.2	14.1
54.04	1835.1737	2.9174	1035.4	35.0

* PRELIMINARY PEAK IDENTIFICATION *

EFFICIENCY TABLE USED = 41

NUCLIDE	OBSERVED ENERGY	LIBRARY ENERGY	GAMMAS PER MIN.	UCI PER ML.
CE-75	304.46	304.00	5759.49	1.850E+02
KR-85M	150.95	150.50	46883.54	2.854E+01
KR-85M	304.46+	305.00	8852.45	3.067E+01
RB-88	897.37	898.02	245134.28	6.101E+02
RB-88	1835.17	1836.00	492239.33	6.000E+02
KR-88	196.06	196.20	26991.35	3.474E+01

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88-126	667.22	666.19	50429.42	2.272E+01
I-131	283.91	284.31	8658.27	7.232E+01
I-131	364.19	364.49	148043.17	8.132E+01
I-131	636.50	637.01	13709.38	9.081E+01
TE-131M	150.95*	149.80	32169.68	6.044E+01
I-132	283.91*	284.71	19536.34	8.528E+01
I-132	667.22*	667.74	114185.70	5.248E+01
I-132	771.75	772.70	82504.43	4.955E+01
XE-133	80.70	81.00	349096.32	4.493E+02
I-133	529.47*	529.89	283761.99	1.436E+02
I-133	874.69	875.36	14425.00	1.467E+02
XE-135	249.52	249.74	584639.05	2.468E+02
XE-135	607.87	608.60	13739.79	2.380E+02
I-135	417.47	417.66	8965.71	9.850E+01
I-135	545.77	546.59	14132.91	7.579E+01
I-135	1130.55	1131.57	44962.10	7.557E+01
I-135	1259.54	1260.48	58924.87	7.605E+01
I-135	1790.38	1791.44	17797.28	8.528E+01
RA-141	304.46*	304.70	3178592.51	2.603E+03
I-137	771.75*	772.85	39316.46	3.690E+02

* PEAK HAS BEEN PREVIOUSLY MATCHED

UNIDENTIFIED PEAKS

ENERGY	GAMMAS/MIN. AT COUNT TIME
510.59	12514.17

* FINAL SUMMARY OF NUCLIDES OBSERVED *

DATE: 3/ 28/ 79

NUCLIDE	WEIGHTED MEAN ACTIVITY	+ OR - 1 SIGMA
KR-85M	2.886E+01	8.563E+00
RB-88	6.037E+02	7.575E+01
I-131	8.149E+01	1.790E+01
XE-133	4.493E+02	5.484E+01
I-133	1.438E+02	2.935E+01
XE-135	2.466E+02	5.210E+01

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