RESULTS

EXPERIMENT E-I

Identification	Date/Time	U (ppb)
E-I*IU1*a	8/8/1994 1315	47.901
E-I*IU1*b	8/8/1994 1315	48.619
E-I*IU*pH2.00*a	8/24/1994 0800	47.901
E-I*IU*pH2.00*b		49.471
E-I*IU*pH2.25*a		48.709
E-I*IU*pH2.25*b		49.236
E-I*IU*pH2.50*a		48.006
E-I*IU*pH2.50*b		48.007
E-I*IU*pH2.75*a		49.55
E-I*IU*pH2.75*b		48.56
E-I*IU*pH3.00*a		49.177
E-I*IU*pH3.00*b		49.622
E-I*IU*pH3.25*a		49.023
E-I*IU*pH3.25*b		48.042
E-I*IU*pH3.50*a		48.688
E-I*IU*pH3.50*b		46.668
E-I*IU*pH3.75*a		44.586
E-I*IU*pH3.75*b		45.871
E-I*IU*pH4.00*a		46.741
E-I*IU*pH4.00*b		46.231
E-I*IU*pH4.25*a		41.667
E-I*IU*pH4.25*b		41.601
E-I*IU*pH4.50*a		26.634
E-I*IU*pH4.50*b		26.545
E-I*IU*pH4.75*a		31.088
E-I*IU*pH4.75*b		27.248
E-I*IU*pH5.00*a		16.252
E-I*IU*pH5.00*b		16.423
E-I*IU*pH5.25*a		31.758
E-I*IU*pH5.25*b		32.568
E-I*IU*pH5.50*a		32.536
E-I*IU*pH5.50*b		33.034
E-I*IU*pH5.75*a		23.348
E-I*IU*pH5.75*b		23.24
E-I*IU*pH6.00*a		34.289
E-I*IU*pH6.00*b		34.121
E-I*IU*pH6.25*a		42.448
E-I*IU*pH6.25*b		43.285
E-I*IU*pH6.50*a		42.766
E-I*IU*pH6.50*b		45.096
E-I*IU*pH6.75*a		47.997

E-I*IU*pH6.75*b		46.861
E-I*IU*pH7.00*a		48.772
E-I*IU*pH7.00*b		47.717
E-I*IU*pH7.25*a		49.516
E-I*IU*pH7.25*b		49.785
E-I*IU*pH7.50*a		48.552
E-I*IU*pH7.50*b		50.565
E-I*IU*pH7.75*a		48.931
E-I*IU*pH7.75*b		49.822
E-I*IU*pH8.00*a		49.671
E-I*IU*pH8.00*b		49.648
E-I*IU*pH8.25*a		50.677
E-I*IU*pH8.25*b		49.857
E-I*IU*pH8.50*a		48.269
E-I*IU*pH8.50*b		50.338
E-I*IU*pH8.75*a		48.482
E-I*IU*pH8.75*b		48.876
E-I*IU*pH9.00*a		48.732
E-I*IU*pH9.00*b		48.594
E-I*IU*pH9.25*a		47.069
E-I*IU*pH9.25*b		45.79
E-I*IU*pH9.50*a		39.382
E-I*IU*pH9.50*b		33.79
E-I-C*IU*pH2.00*a	8/24/94 0800	49.898
E-I-C*IU*pH2.00*b		49.846
E-I-C*IU*pH4.00*a		47.374
E-I-C*IU*pH4.00*b		46.053
E-I-C*IU*pH5.00*a		29.257
E-I-C*IU*pH5.00*b		30.437
E-I-C*IU*pH5.50*a		42.367
E-I-C*IU*pH5.50*b		41.9
E-I-C*IU*pH6.00*a		30.692
E-I-C*IU*pH6.00*b		32.677
E-I-C*IU*pH6.50*a		43.687
E-I-C*IU*pH6.50*b		43.75
E-I-C*IU*pH7.00*a		46.675
E-I-C*IU*pH7.00*b		46.492
E-I-C*IU*pH7.50*a		49.291
E-I-C*IU*pH7.50*b		50.044
E-I-C*IU*pH8.00*a		49.089
E-I-C*IU*pH8.00*b		50.976

E-I-C*IU*pH9.50*a		36.334
E-I-C*IU*pH9.50*b		34.122

Identification	Date/Time	U (ppb)
E-I*pH2.00*a	9/6/94 0915	49.488
E-I*pH2.00*b		48.808
E-I*pH2.25*a		48.59
E-I*pH2.25*b		50.156
E-I*pH2.50*a		50.179
E-I*pH2.50*b		49.053
E-I*pH2.75*a		49.539
E-I*pH2.75*b		49.163
E-I*pH3.00*a		48.261
E-I*pH3.00*b		48.837
E-I*pH3.25*a		47.598
E-I*pH3.25*b		47.621
E-I*pH3.50*a		45.475
E-I*pH3.50*b		45.598
E-I*pH3.75*a		40.937
E-I*pH3.75*b		41.43
E-I*pH4.00*a		39.685
E-I*pH4.00*b		39.34
E-I*pH4.25*a		31.698
E-I*pH4.25*b		32.154
E-I*pH4.50*a		16.128
E-I*pH4.50*b		15.648
E-I*pH4.75*a		20.311
E-I*pH4.75*b		20.578
E-I*pH5.00*a		14.059
E-I*pH5.00*b		13.981
E-I*pH5.25*a		21.772
E-I*pH5.25*b		21.682
E-I*pH5.50*a		20.912
E-I*pH5.50*b		21.245
E-I*pH5.75*a		14.781
E-I*pH5.75*b		15.111
E-I*pH6.00*a		20.145
E-I*pH6.00*b		22.598
E-I*pH6.25*a		30.362
E-I*pH6.25*b		29.52
E-I*pH6.50*a		33.186
E-I*pH6.50*b		33.772
E-I*pH6.75*a		41.369
E-I*pH6.75*b		41.43
E-I*pH7.00*a		46.607
E-I*pH7.00*b		46.424

E-I*pH7.25*a		49.274
E-I*pH7.25*b		50.306
E-I*pH7.50*a		51.48
E-I*pH7.50*b		50.336
E-I*pH7.75*a		52.089
E-I*pH7.75*b		49.928
E-I*pH8.00*a		49.997
E-I*pH8.00*b		50.655
E-I*pH8.25*a		51.369
E-I*pH8.25*b		51.442
E-I*pH8.50*a		50.176
E-I*pH8.50*b		50.463
E-I*pH8.75*a		49.053
E-I*pH8.75*b		49.699
E-I*pH9.00*a		50.032
E-I*pH9.00*b		49.829
E-I*pH9.25*a		47.276
E-I*pH9.25*b		46.357
E-I*pH9.50*a		30.643
E-I*pH9.50*b		28.787
E-I-C*pH2.00*a	9/6/94 0915	49.595
E-I-C*pH2.00*b		49.591
E-I-C*pH4.00*a		46.135
E-I-C*pH4.00*b		45.571
E-I-C*pH5.00*a		29.51
E-I-C*pH5.00*b		30.204
E-I-C*pH5.50*a		42.845
E-I-C*pH5.50*b		41.678
E-I-C*pH6.00*a		31.066
E-I-C*pH6.00*b		30.113
E-I-C*pH6.50*a		43.52
E-I-C*pH6.50*b		43.812
E-I-C*pH7.00*a		48.21
E-I-C*pH7.00*b		48.009
E-I-C*pH7.50*a		49.811
E-I-C*pH7.50*b		49.796
E-I-C*pH8.00*a		50.363
E-I-C*pH8.00*b		50.032
E-I-C*pH9.50*a		32.843
E-I-C*pH9.50*b		32.102

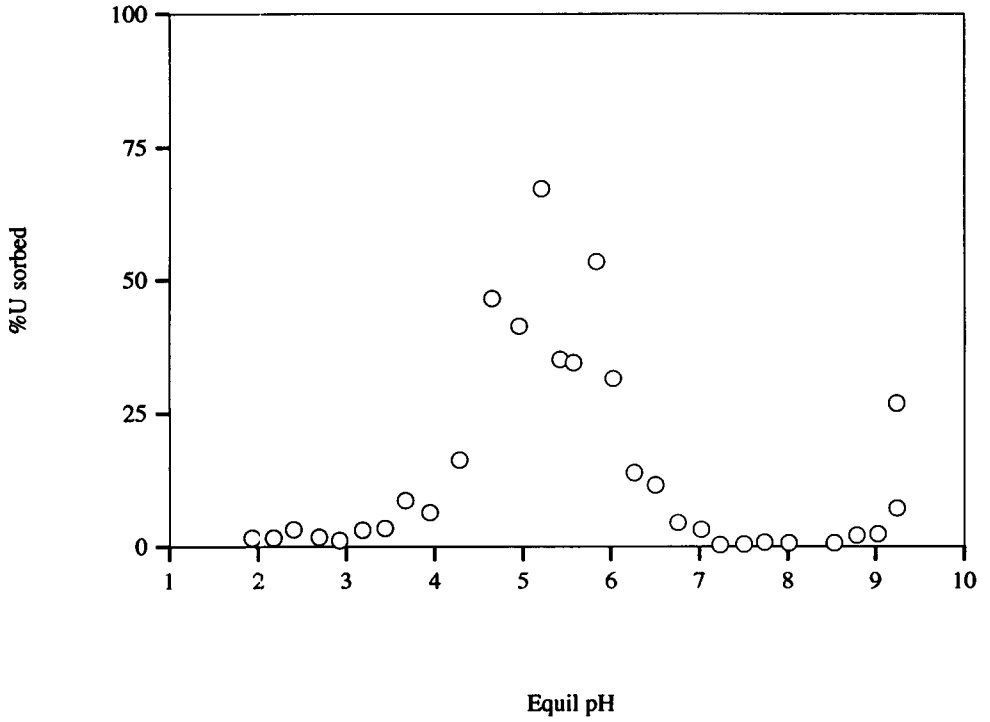
Identification	Date/Time	U (ppb)
E-IF*pH2.00*a	10/4/94 1100	49.464
E-IF*pH2.00*b		49.934
E-IF*pH2.25*a		49.957
E-IF*pH2.25*b		50.034
E-IF*pH2.50*a		49.005
E-IF*pH2.50*b		48.036
E-IF*pH2.75*a		48.505
E-IF*pH2.75*b		49.635
E-IF*pH3.00*a		48.319
E-IF*pH3.00*b		49.648
E-IF*pH3.25*a		48.935
E-IF*pH3.25*b		49.018
E-IF*pH3.50*a		46.921
E-IF*pH3.50*b		47.955
E-IF*pH3.75*a		46.378
E-IF*pH3.75*b		46.143
E-IF*pH4.00*a		44.438
E-IF*pH4.00*b		43.358
E-IF*pH4.25*a		44.521
E-IF*pH4.25*b		43.919
E-IF*pH4.50*a		46.051
E-IF*pH4.50*b		46.795
E-IF*pH4.75*a		42.815
E-IF*pH4.75*b		44.368
E-IF*pH5.00*a		45.265
E-IF*pH5.00*b		46.675
E-IF*pH5.25*a		42.695
E-IF*pH5.25*b		42.769
E-IF*pH5.50*a		39.196
E-IF*pH5.50*b		39.295
E-IF*pH5.75*a		43.059
E-IF*pH5.75*b		43.084
E-IF*pH6.00*a		40.353
E-IF*pH6.00*b		40.683
E-IF*pH6.25*a		37.826
E-IF*pH6.25*b		36.944
E-IF*pH6.50*a		39.74
E-IF*pH6.50*b		38.89
E-IF*pH6.75*a		43.819
E-IF*pH6.75*b		43.517
E-IF*pH7.00*a		47.678
E-IF*pH7.00*b		47.582

E-IF*pH7.25*a		48.688
E-IF*pH7.25*b		50.66
E-IF*pH7.50*a		49.845
E-IF*pH7.50*b		50.296
E-IF*pH7.75*a		50.282
E-IF*pH7.75*b		50.264
E-IF*pH8.00*a		51.275
E-IF*pH8.00*b		52.279
E-IF*pH8.25*a		51.825
E-IF*pH8.25*b		50.835
E-IF*pH8.50*a		51.009
E-IF*pH8.50*b		49.104
E-IF*pH8.75*a		50.205
E-IF*pH8.75*b		49.046
E-IF*pH9.00*a		49.751
E-IF*pH9.00*b		48.073
E-IF*pH9.25*a		34.191
E-IF*pH9.25*b		35.911
E-IF*pH9.50*a		
E-IF*pH9.50*b		

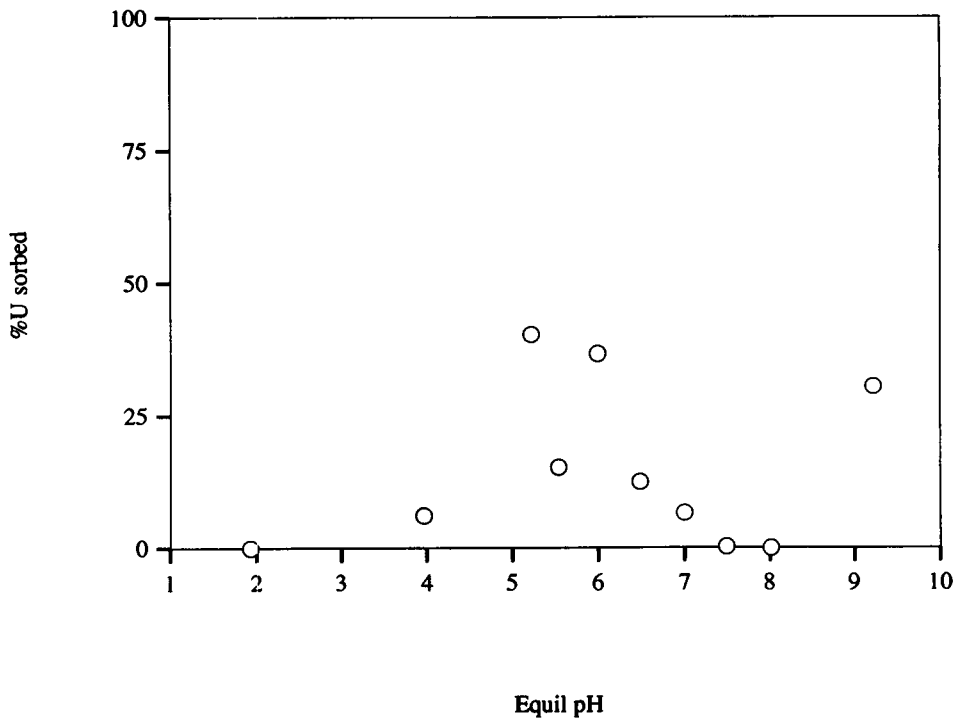
Identification	Date/Time	U (ppb)
E-ID*pH2.00*a	10/4/94 1100	35.327
E-ID*pH2.00*b		36.134
E-ID*pH2.25*a		37.941
E-ID*pH2.25*b		38.037
E-ID*pH2.50*a		37.958
E-ID*pH2.50*b		37.829
E-ID*pH2.75*a		39.3
E-ID*pH2.75*b		38.813
E-ID*pH3.00*a		38.638
E-ID*pH3.00*b		38.923
E-ID*pH3.25*a		40.708
E-ID*pH3.25*b		42.78
E-ID*pH3.50*a		44.251
E-ID*pH3.50*b		45.234
E-ID*pH3.75*a		48.212
E-ID*pH3.75*b		46.82
E-ID*pH4.00*a		63.952
E-ID*pH4.00*b		64.201
E-ID*pH4.25*a		65.039
E-ID*pH4.25*b		64.723
E-ID*pH4.50*a		59.813
E-ID*pH4.50*b		58.94
E-ID*pH4.75*a		72.943
E-ID*pH4.75*b		72.15
E-ID*pH5.00*a		63.358
E-ID*pH5.00*b		62.767
E-ID*pH5.25*a		77.131
E-ID*pH5.25*b		74.412
E-ID*pH5.50*a		94.482
E-ID*pH5.50*b		95.374
E-ID*pH5.75*a		86.448
E-ID*pH5.75*b		86.075
E-ID*pH6.00*a		92.233
E-ID*pH6.00*b		92.594
E-ID*pH6.25*a		98.969
E-ID*pH6.25*b		98.925
E-ID*pH6.50*a		81.523
E-ID*pH6.50*b		81.838
E-ID*pH6.75*a		74.671
E-ID*pH6.75*b		76.239
E-ID*pH7.00*a		44.809
E-ID*pH7.00*b		45.981

E-ID*pH7.25*a		38.033
E-ID*pH7.25*b		37.525
E-ID*pH7.50*a		33.679
E-ID*pH7.50*b		34.478
E-ID*pH7.75*a		34.134
E-ID*pH7.75*b		32.361
E-ID*pH8.00*a		29.747
E-ID*pH8.00*b		29.132
E-ID*pH8.25*a		32.78
E-ID*pH8.25*b		33.345
E-ID*pH8.50*a		30.271
E-ID*pH8.50*b		29.594
E-ID*pH8.75*a		34.727
E-ID*pH8.75*b		34.172
E-ID*pH9.00*a		30.809
E-ID*pH9.00*b		30.468
E-ID*pH9.25*a		32.138
E-ID*pH9.25*b		31.38
E-ID*pH9.50*a		
E-ID*pH9.50*b		

E-I 50ppb



E-I Control 50 ppb



Protocol #:23 U-233 3% 2 sigma User : Jim Prikryl

Time: 999.99
Data Mode: CPM Nuclide: MANUAL
Background Subtract: 1st Vial

	LL	UL	LCR	2S%	BKG
Region A:	0.0 -	100	0	0.3	18.01
Region B:	100 -	350	0	3.0	3.36
Region C:	0.0 -	2000	0	0.1	27.49

Quench Indicator: SIS
alpha cpm U-233 1st vial bkgnd
Coincidence Time(ns): 18
Delay Before Burst(ns): Normal

S#	TIME	CPMA	A:2S%	CPMB	B:2S%	CPMC	C:2S%	SIS	FLAG
1	999.99	18.01	1.49	3.362	3.45	27.49	1.21	149.15	B
2	8.43	17.93	23.08	524.277	3.02	544.04	3.03	684.05	
3	8.15	10.21	36.55	541.914	3.02	553.49	3.05	694.50	
1 MISSING TUBE(S)									
5	8.34	14.84	26.81	529.731	3.02	546.97	3.04	695.81	
6	7.85	21.73	20.74	563.135	3.02	584.86	3.02	683.32	
7	8.12	14.62	27.48	544.544	3.02	560.81	3.04	695.16	
8	8.00	14.36	28.07	552.638	3.02	569.38	3.03	698.07	
9	8.30	15.84	25.55	532.180	3.02	550.34	3.03	694.13	
10	8.47	9.85	36.92	521.786	3.02	533.31	3.05	700.87	
11	8.04	20.79	21.17	549.623	3.02	571.39	3.02	687.59	
12	8.02	10.79	35.21	551.127	3.02	561.91	3.05	696.50	
[illegible]	8.00	18.36	23.27	552.638	3.02	572.01	3.03	693.64	
[illegible]	7.92	15.83	26.17	558.633	3.02	575.41	3.03	694.16	
15	8.09	11.16	34.11	546.082	3.02	558.66	3.05	700.05	
16	8.25	12.17	31.51	535.911	3.02	548.51	3.05	697.36	
17	8.13	8.80	41.37	543.993	3.02	554.18	3.05	703.07	
18	8.33	7.80	45.27	530.492	3.02	538.41	3.06	700.71	
19	8.79	5.08	63.99	502.440	3.02	508.34	3.07	707.20	
20	8.62	15.98	24.91	512.415	3.02	527.26	3.04	691.77	
21	8.44	10.42	35.31	523.178	3.02	535.90	3.05	698.98	
22	8.88	19.38	21.22	497.314	3.02	517.66	3.03	688.32	
23	9.45	7.91	41.99	467.220	3.02	475.26	3.07	700.28	
24	9.33	11.03	32.07	473.272	3.02	484.94	3.06	696.73	
25	14.76	8.14	32.87	298.061	3.03	307.60	3.10	695.97	
26	14.54	4.55	55.10	302.346	3.03	308.00	3.12	703.71	
27	12.90	8.58	33.62	341.367	3.03	352.04	3.08	694.99	
28	13.68	8.45	33.07	321.492	3.03	329.60	3.10	697.08	
29	24.03	3.79	50.70	181.657	3.06	186.16	3.21	697.49	
30	23.84	4.93	40.14	183.089	3.06	187.82	3.21	691.91	
31	12.37	4.95	55.34	355.894	3.03	361.11	3.11	703.22	
32	11.91	6.17	46.39	369.854	3.03	377.71	3.09	702.91	
33	12.14	1.92	134.0	362.865	3.03	365.51	3.11	710.33	
34	11.88	5.14	54.60	370.712	3.03	378.15	3.09	704.30	
35	16.90	2.28	96.65	259.715	3.04	261.97	3.16	704.99	
36	16.88	3.14	71.85	260.027	3.04	264.04	3.15	702.75	
37	11.52	4.30	65.06	382.575	3.03	387.61	3.10	703.65	
38	11.45	3.56	77.46	385.197	3.02	388.58	3.10	703.14	
[illegible]	9.35	8.30	40.56	472.467	3.02	482.03	3.06	699.41	
40	9.07	8.45	40.55	486.715	3.02	496.21	3.06	698.56	
41	9.23	5.61	57.26	478.111	3.02	486.92	3.07	698.68	

Protocol #:23 U-233 3% 2 sigma User : Jim Prikryl

S#	TIME	CPMA	A:2S%	CPMB	B:2S%	CPMC	C:2S%	SIS	FLAG
42	8.66	11.09	33.15	509.802	3.02	520.54	3.06	696.75	
43	8.22	6.68	52.01	537.879	3.02	546.59	3.06	701.19	
[illegible]	8.50	8.93	39.99	520.756	3.02	528.74	3.06	699.84	
45	8.08	9.22	39.94	546.885	3.02	559.26	3.05	699.65	
46	8.16	8.83	41.20	541.246	3.02	551.43	3.06	700.84	
47	8.01	6.83	51.70	551.694	3.02	559.15	3.06	703.00	
48	7.95	8.03	45.22	556.135	3.02	565.59	3.05	702.78	
49	8.15	7.88	45.37	542.037	3.02	549.56	3.06	704.17	
50	7.84	7.88	46.24	563.602	3.02	571.61	3.06	703.92	
51	8.26	5.72	59.47	534.895	3.02	540.79	3.07	706.08	
52	7.76	8.41	44.01	569.576	3.02	577.79	3.06	700.88	
53	7.97	4.95	68.79	554.856	3.02	560.71	3.06	701.39	
54	7.97	5.20	65.83	554.605	3.02	559.71	3.07	706.10	
55	7.78	5.25	66.03	568.360	3.02	576.11	3.06	707.60	
56	7.80	11.99	32.79	566.638	3.02	580.33	3.04	698.61	
57	8.13	6.22	55.68	543.624	3.02	549.87	3.07	705.95	
58	7.80	5.83	60.11	567.151	3.02	575.07	3.06	706.29	
59	8.13	5.85	58.74	543.747	3.02	552.58	3.06	711.26	
60	8.01	7.96	45.39	551.444	3.02	561.15	3.06	705.59	
61	7.95	5.13	66.68	556.135	3.02	562.07	3.06	725.88	
62	7.93	5.57	62.10	557.168	3.02	565.19	3.06	723.53	
63	8.06	11.89	32.48	548.623	3.02	560.10	3.05	689.72	
64	8.03	10.26	36.68	550.810	3.02	562.92	3.05	689.46	
65	9.37	12.94	28.17	471.344	3.02	486.70	3.04	738.97	
66	10.41	16.67	21.96	423.823	3.02	440.33	3.05	729.93	
1 MISSING TUBE(S)									
68	7.93	9.10	40.74	557.294	3.02	567.84	3.05	699.16	
[illegible]	7.96	5.86	59.30	555.809	3.02	562.58	3.06	702.78	
[illegible]	8.38	7.05	49.22	527.187	3.02	535.39	3.06	702.96	
71	8.54	7.40	46.77	517.013	3.02	525.67	3.06	699.14	
72	13.54	3.04	82.57	324.925	3.03	328.05	3.13	708.57	
73	13.02	4.65	57.08	338.036	3.03	343.01	3.11	703.48	
74	9.39	9.25	36.95	470.333	3.02	481.77	3.06	699.14	
75	9.36	7.95	42.03	471.424	3.02	481.59	3.06	701.39	
76	12.84	4.03	65.37	343.055	3.03	348.05	3.11	704.96	
77	12.06	4.38	62.56	365.461	3.03	370.02	3.10	704.42	
78	9.08	5.56	58.18	486.065	3.02	492.77	3.07	707.17	
79	9.03	10.67	33.50	489.108	3.02	500.08	3.06	699.21	
80	8.54	5.76	58.12	517.013	3.02	524.15	3.07	704.71	
81	8.49	4.25	76.46	520.077	3.02	523.74	3.08	710.44	
82	8.06	5.44	62.93	548.747	3.02	552.90	3.07	705.41	
83	7.88	1.79	178.2	561.486	3.02	563.62	3.07	711.21	
84	8.08	7.73	46.30	547.257	3.02	555.68	3.06	699.86	
85	7.78	7.95	46.07	568.874	3.02	576.88	3.06	705.62	
86	9.91	8.53	38.51	445.175	3.02	454.65	3.07	726.33	
87	10.31	7.98	39.92	428.064	3.02	436.33	3.08	724.40	

SYSTEM NORMALIZED

C14 IPA DATA PROCESSED - 29-Aug-94 00:11
C14 Eff (0-156 keV) = 96.74 %
C14 CHI SQUARE IPA DATA PROCESSED - 29-Aug-94 00:21
[illegible]14 Chi Square = 13.55
H3 IPA DATA PROCESSED - 29-Aug-94 00:23
H3 Eff (0-18.6 keV) = 68.15 %

H3 CHI SQUARE IPA DATA PROCESSED - 29-Aug-94 00:33
H3 Chi Square = 24.77
BKG IPA DATA PROCESSED - 29-Aug-94 01:34
Bkg (0-18.6 keV) = 17.43 cpm
Bkg (0-156 keV) = 24.87 cpm
C14 E^2/B (1-156 keV) = 489.61
H3 E^2/B (1-18.6 keV) = 262.38

SYSTEM NORMALIZED

C14 IPA DATA PROCESSED - 27-Aug-94 15:36
C14 Eff (0-156 keV) = 96.94 %
C14 CHI SQUARE IPA DATA PROCESSED - 27-Aug-94 15:47
C14 Chi Square = 29.81
H3 IPA DATA PROCESSED - 27-Aug-94 15:48
H3 Eff (0-18.6 keV) = 68.36 %
H3 CHI SQUARE IPA DATA PROCESSED - 27-Aug-94 15:59
H3 Chi Square = 14.96
BKG IPA DATA PROCESSED - 27-Aug-94 16:59
Bkg (0-18.6 keV) = 17.45 cpm
Bkg (0-156 keV) = 25.05 cpm
C14 E^2/B (1-156 keV) = 485.13
H3 E^2/B (1-18.6 keV) = 261.87

Sample-	E-I-IU*a
CPMB	524.277
233U added (g)	0.4982
U233 corrected-	1052.342433
N (convert to atoms/g soln)-	1.2169E+14
Moles of 233U in g of soln	2.02043E-10
Grams (convert moles to g)	4.7084E-08
233U ppb	47.08400363

Sample-	E-I-IU*b
CPMB	541.914
233U added (g)	0.4987
U233 corrected-	1086.653299
N (convert to atoms/g soln)-	1.25658E+14
Moles of 233U in g of soln	2.0863E-10
Grams (convert moles to g)	4.86191E-08
233U ppb	48.6191436

Sample-	E-I-IU*pH2.00*a
CPMB	529.731
233U added (g)	0.4948
U233 corrected-	1070.5962
N (convert to atoms/g soln)-	1.23801E+14
Moles of 233U in g of soln	2.05548E-10
Grams (convert moles to g)	4.79007E-08
233U ppb	47.90071542

Sample-	E-I-IU*pH2.00*b
CPMB	563.135
233U added (g)	0.5093
U233 corrected-	1105.703907
N (convert to atoms/g soln)-	1.27861E+14
Moles of 233U in g of soln	2.12288E-10
Grams (convert moles to g)	4.94715E-08
233U ppb	49.47150772

Sample-	E-I-IU*pH2.25*a
CPMB	544.544
233U added (g)	0.5002
U233 corrected-	1088.652539
N (convert to atoms/g soln)-	1.25889E+14
Moles of 233U in g of soln	2.09014E-10
Grams (convert moles to g)	4.87086E-08
233U ppb	48.70859381

Sample-	E-I-IU*pH2.25*b
CPMB	552.638
233U added (g)	0.5022
U233 corrected-	1100.43409
N (convert to atoms/g soln)-	1.27252E+14
Moles of 233U in g of soln	2.11276E-10
Grams (convert moles to g)	4.92357E-08
233U ppb	49.23572506

Sample-	E-I-IU*pH2.50*a
CPMB	532.18
233U added (g)	0.496
U233 corrected-	1072.943548
N (convert to atoms/g soln)-	1.24073E+14
Moles of 233U in g of soln	2.05998E-10
Grams (convert moles to g)	4.80057E-08
233U ppb	48.00574068

Sample-	E-I-IU*pH2.50*b
CPMB	521.786
233U added (g)	0.4863
U233 corrected-	1072.971417
N (convert to atoms/g soln)-	1.24076E+14
Moles of 233U in g of soln	2.06004E-10
Grams (convert moles to g)	4.8007E-08
233U ppb	48.00698757

Sample-	E-I-IU*pH2.75*a
CPMB	549.632
233U added (g)	0.4963
U233 corrected-	1107.459198
N (convert to atoms/g soln)-	1.28064E+14
Moles of 233U in g of soln	2.12625E-10
Grams (convert moles to g)	4.955E-08
233U ppb	49.55004311

Sample-	E-I-IU*pH2.75*b
CPMB	551.127
233U added (g)	0.5078
U233 corrected-	1085.322962
N (convert to atoms/g soln)-	1.25504E+14
Moles of 233U in g of soln	2.08375E-10
Grams (convert moles to g)	4.85596E-08
233U ppb	48.55962155

Sample-	E-I-IU*pH3.00*a
CPMB	552.638
233U added (g)	0.5028
U233 corrected-	1099.120923
N (convert to atoms/g soln)-	1.271E+14
Moles of 233U in g of soln	2.11024E-10
Grams (convert moles to g)	4.9177E-08
233U ppb	49.17697122

Sample-	E-I-IU*pH3.00*b
CPMB	558.633
233U added (g)	0.5037
U233 corrected-	1109.058964
N (convert to atoms/g soln)-	1.28249E+14
Moles of 233U in g of soln	2.12932E-10
Grams (convert moles to g)	4.96216E-08
233U ppb	49.62161997

Sample-	E-I-IU*pH3.25*a
CPMB	546.082
233U added (g)	0.4984
U233 corrected-	1095.670144
N (convert to atoms/g soln)-	1.26701E+14
Moles of 233U in g of soln	2.10362E-10
Grams (convert moles to g)	4.90226E-08
233U ppb	49.02257617

Sample-	E-I-IU*pH3.25*b
CPMB	535.911
233U added (g)	0.4991
U233 corrected-	1073.754759
N (convert to atoms/g soln)-	1.24167E+14
Moles of 233U in g of soln	2.06154E-10
Grams (convert moles to g)	4.8042E-08
233U ppb	48.04203592

Sample-	E-I-IU*pH3.50*a
CPMB	543.993
233U added (g)	0.4999
U233 corrected-	1088.203641
N (convert to atoms/g soln)-	1.25837E+14
Moles of 233U in g of soln	2.08928E-10
Grams (convert moles to g)	4.86885E-08
233U ppb	48.68850916

Sample-	E-I-IU*pH3.50*b
CPMB	530.492
233U added (g)	0.5086
U233 corrected-	1043.043649
N (convert to atoms/g soln)-	1.20615E+14
Moles of 233U in g of soln	2.00258E-10
Grams (convert moles to g)	4.6668E-08
233U ppb	46.66795659

Sample-	E-I-IU*pH3.75*a
CPMB	502.44
233U added (g)	0.5042
U233 corrected-	996.5093217
N (convert to atoms/g soln)-	1.15234E+14
Moles of 233U in g of soln	1.91323E-10
Grams (convert moles to g)	4.45859E-08
233U ppb	44.58591335

Sample-	E-I-IU*pH3.75*b
CPMB	512.415
233U added (g)	0.4998
U233 corrected-	1025.240096
N (convert to atoms/g soln)-	1.18556E+14
Moles of 233U in g of soln	1.96839E-10
Grams (convert moles to g)	4.58714E-08
233U ppb	45.87138835

Sample-	E-I-IU*pH4.00*a
CPMB	523.178
233U added (g)	0.5008
U233 corrected-	1044.684505
N (convert to atoms/g soln)-	1.20805E+14
Moles of 233U in g of soln	2.00573E-10
Grams (convert moles to g)	4.67414E-08
233U ppb	46.7413719

Sample-	E-I-IU*pH4.00*b
CPMB	497.314
233U added (g)	0.4813
U233 corrected-	1033.272387
N (convert to atoms/g soln)-	1.19485E+14
Moles of 233U in g of soln	1.98382E-10
Grams (convert moles to g)	4.62308E-08
233U ppb	46.23076987

Sample-	E-I-IU*pH4.25*a
CPMB	467.22
233U added (g)	0.5017
U233 corrected-	931.2736695
N (convert to atoms/g soln)-	1.0769E+14
Moles of 233U in g of soln	1.78798E-10
Grams (convert moles to g)	4.16671E-08
233U ppb	41.6671337

Sample-	E-I-IU*pH4.25*b
CPMB	473.272
233U added (g)	0.509
U233 corrected-	929.8074656
N (convert to atoms/g soln)-	1.07521E+14
Moles of 233U in g of soln	1.78517E-10
Grams (convert moles to g)	4.16015E-08
233U ppb	41.60153266

Sample-	E-I-IU*pH4.50*a
CPMB	298.061
233U added (g)	0.5007
U233 corrected-	595.288596
N (convert to atoms/g soln)-	6.88378E+13
Moles of 233U in g of soln	1.14292E-10
Grams (convert moles to g)	2.66345E-08
233U ppb	26.63445808

Sample-	E-I-IU*pH4.50*b
CPMB	302.346
233U added (g)	0.5096
U233 corrected-	593.3006279
N (convert to atoms/g soln)-	6.86079E+13
Moles of 233U in g of soln	1.1391E-10
Grams (convert moles to g)	2.65455E-08
233U ppb	26.54551223

Sample-	E-I-IU*pH4.75*a
CPMB	341.367
233U added (g)	0.4913
U233 corrected-	694.8239365
N (convert to atoms/g soln)-	8.03478E+13
Moles of 233U in g of soln	1.33402E-10
Grams (convert moles to g)	3.10879E-08
233U ppb	31.08787761

Sample-	E-I-IU*pH4.75*b
CPMB	321.492
233U added (g)	0.5279
U233 corrected-	609.0017049
N (convert to atoms/g soln)-	7.04235E+13
Moles of 233U in g of soln	1.16924E-10
Grams (convert moles to g)	2.7248E-08
233U ppb	27.24801129

Sample-	E-I-IU*pH5.00*a
CPMB	181.657
233U added (g)	0.5001
U233 corrected-	363.2413517
N (convert to atoms/g soln)-	4.20044E+13
Moles of 233U in g of soln	6.974E-11
Grams (convert moles to g)	1.62522E-08
233U ppb	16.25217856

Sample-	E-I-IU*pH5.00*b
CPMB	183.089
233U added (g)	0.4988
U233 corrected-	367.0589415
N (convert to atoms/g soln)-	4.24458E+13
Moles of 233U in g of soln	7.04729E-11
Grams (convert moles to g)	1.6423E-08
233U ppb	16.42298552

Sample-	E-I-IU*pH5.25*a
CPMB	355.894
233U added (g)	0.5014
U233 corrected-	709.8005584
N (convert to atoms/g soln)-	8.20797E+13
Moles of 233U in g of soln	1.36277E-10
Grams (convert moles to g)	3.1758E-08
233U ppb	31.75796303

Sample-	E-I-IU*pH5.25*b
CPMB	369.854
233U added (g)	0.5081
U233 corrected-	727.9157646
N (convert to atoms/g soln)-	8.41745E+13
Moles of 233U in g of soln	1.39755E-10
Grams (convert moles to g)	3.25685E-08
233U ppb	32.56847528

Sample-	E-I-IU*pH5.50*a
CPMB	362.865
233U added (g)	0.499
U233 corrected-	727.1843687
N (convert to atoms/g soln)-	8.40899E+13
Moles of 233U in g of soln	1.39615E-10
Grams (convert moles to g)	3.25358E-08
233U ppb	32.5357511

Sample-	E-I-IU*pH5.50*b
CPMB	370.712
233U added (g)	0.5021
U233 corrected-	738.3230432
N (convert to atoms/g soln)-	8.5378E+13
Moles of 233U in g of soln	1.41753E-10
Grams (convert moles to g)	3.30341E-08
233U ppb	33.03411871

Sample-	E-I-IU*pH5.75*a
CPMB	259.715
233U added (g)	0.4977
U233 corrected-	521.8304199
N (convert to atoms/g soln)-	6.03433E+13
Moles of 233U in g of soln	1.00188E-10
Grams (convert moles to g)	2.33478E-08
233U ppb	23.3477855

Sample-	E-I-IU*pH5.75*b
CPMB	260.027
233U added (g)	0.5006
U233 corrected-	519.4306832
N (convert to atoms/g soln)-	6.00658E+13
Moles of 233U in g of soln	9.97273E-11
Grams (convert moles to g)	2.32404E-08
233U ppb	23.24041625

Sample-	E-I-IU*pH6.00*a
CPMB	382.575
233U added (g)	0.4992
U233 corrected-	766.3762019
N (convert to atoms/g soln)-	8.8622E+13
Moles of 233U in g of soln	1.47139E-10
Grams (convert moles to g)	3.42893E-08
233U ppb	34.28927576

Sample-	E-I-IU*pH6.00*b
CPMB	385.197
233U added (g)	0.5051
U233 corrected-	762.6153237
N (convert to atoms/g soln)-	8.81871E+13
Moles of 233U in g of soln	1.46417E-10
Grams (convert moles to g)	3.4121E-08
233U ppb	34.1210062

Sample-	E-I-IU*pH6.25*a
CPMB	472.467
233U added (g)	0.498
U233 corrected-	948.7289157
N (convert to atoms/g soln)-	1.09709E+14
Moles of 233U in g of soln	1.8215E-10
Grams (convert moles to g)	4.24481E-08
233U ppb	42.44811795

Sample-	E-I-IU*pH6.25*b
CPMB	486.715
233U added (g)	0.5031
U233 corrected-	967.4319221
N (convert to atoms/g soln)-	1.11872E+14
Moles of 233U in g of soln	1.85741E-10
Grams (convert moles to g)	4.32849E-08
233U ppb	43.28492962

Sample-	E-I-IU*pH6.50*a
CPMB	478.111
233U added (g)	0.5002
U233 corrected-	955.8396641
N (convert to atoms/g soln)-	1.10531E+14
Moles of 233U in g of soln	1.83515E-10
Grams (convert moles to g)	4.27663E-08
233U ppb	42.76626773

Sample-	E-I-IU*pH6.50*b
CPMB	509.802
233U added (g)	0.5058
U233 corrected-	1007.912218
N (convert to atoms/g soln)-	1.16553E+14
Moles of 233U in g of soln	1.93513E-10
Grams (convert moles to g)	4.50961E-08
233U ppb	45.09610282

Sample-	E-I-IU*pH6.75*a
CPMB	537.879
233U added (g)	0.5014
U233 corrected-	1072.754288
N (convert to atoms/g soln)-	1.24051E+14
Moles of 233U in g of soln	2.05962E-10
Grams (convert moles to g)	4.79973E-08
233U ppb	47.99727277

Sample-	E-I-IU*pH6.75*b
CPMB	520.756
233U added (g)	0.4972
U233 corrected-	1047.377313
N (convert to atoms/g soln)-	1.21116E+14
Moles of 233U in g of soln	2.0109E-10
Grams (convert moles to g)	4.68619E-08
233U ppb	46.86185378

Sample-	E-I-IU*pH7.00*a
CPMB	546.885
233U added (g)	0.5017
U233 corrected-	1090.063783
N (convert to atoms/g soln)-	1.26052E+14
Moles of 233U in g of soln	2.09285E-10
Grams (convert moles to g)	4.87717E-08
233U ppb	48.77173582

Sample-	E-I-IU*pH7.00*b
CPMB	541.246
233U added (g)	0.5075
U233 corrected-	1066.494581
N (convert to atoms/g soln)-	1.23327E+14
Moles of 233U in g of soln	2.0476E-10
Grams (convert moles to g)	4.77172E-08
233U ppb	47.71720039

Sample-	E-I-IU*pH7.25*a
CPMB	551.694
233U added (g)	0.4985
U233 corrected-	1106.708124
N (convert to atoms/g soln)-	1.27977E+14
Moles of 233U in g of soln	2.12481E-10
Grams (convert moles to g)	4.95164E-08
233U ppb	49.5164385

Sample-	E-I-IU*pH7.25*b
CPMB	556.135
233U added (g)	0.4998
U233 corrected-	1112.715086
N (convert to atoms/g soln)-	1.28672E+14
Moles of 233U in g of soln	2.13634E-10
Grams (convert moles to g)	4.97852E-08
233U ppb	49.78520254

Sample-	E-I-IU*pH7.50*a
CPMB	542.037
233U added (g)	0.4995
U233 corrected-	1085.159159
N (convert to atoms/g soln)-	1.25485E+14
Moles of 233U in g of soln	2.08344E-10
Grams (convert moles to g)	4.85523E-08
233U ppb	48.55229268

Sample-	E-I-IU*pH7.50*b
CPMB	563.602
233U added (g)	0.4987
U233 corrected-	1130.14237
N (convert to atoms/g soln)-	1.30687E+14
Moles of 233U in g of soln	2.1698E-10
Grams (convert moles to g)	5.05649E-08
233U ppb	50.56493572

Sample-	E-I-IU*pH7.75*a
CPMB	534.895
233U added (g)	0.4891
U233 corrected-	1093.631159
N (convert to atoms/g soln)-	1.26465E+14
Moles of 233U in g of soln	2.0997E-10
Grams (convert moles to g)	4.89313E-08
233U ppb	48.9313477

Sample-	E-I-IU*pH7.75*b
CPMB	569.576
233U added (g)	0.5115
U233 corrected-	1113.540567
N (convert to atoms/g soln)-	1.28767E+14
Moles of 233U in g of soln	2.13793E-10
Grams (convert moles to g)	4.98221E-08
233U ppb	49.82213628

Sample-	E-I-IU*pH8.00*a
CPMB	554.856
233U added (g)	0.4998
U233 corrected-	1110.156062
N (convert to atoms/g soln)-	1.28376E+14
Moles of 233U in g of soln	2.13143E-10
Grams (convert moles to g)	4.96707E-08
233U ppb	49.67070646

Sample-	E-I-IU*pH8.00*b
CPMB	554.605
233U added (g)	0.4998
U233 corrected-	1109.653862
N (convert to atoms/g soln)-	1.28318E+14
Moles of 233U in g of soln	2.13046E-10
Grams (convert moles to g)	4.96482E-08
233U ppb	49.64823695

Sample-	E-I-IU*pH8.25*a
CPMB	568.36
233U added (g)	0.5018
U233 corrected-	1132.642487
N (convert to atoms/g soln)-	1.30976E+14
Moles of 233U in g of soln	2.1746E-10
Grams (convert moles to g)	5.06768E-08
233U ppb	50.67679618

Sample-	E-I-IU*pH8.25*b
CPMB	566.638
233U added (g)	0.5085
U233 corrected-	1114.33235
N (convert to atoms/g soln)-	1.28859E+14
Moles of 233U in g of soln	2.13945E-10
Grams (convert moles to g)	4.98576E-08
233U ppb	49.85756232

Sample-	E-I-IU*pH8.50*a
CPMB	543.624
233U added (g)	0.5039
U233 corrected-	1078.833102
N (convert to atoms/g soln)-	1.24754E+14
Moles of 233U in g of soln	2.07129E-10
Grams (convert moles to g)	4.82693E-08
233U ppb	48.26925163

Sample-	E-I-IU*pH8.50*b
CPMB	567.151
233U added (g)	0.5041
U233 corrected-	1125.076374
N (convert to atoms/g soln)-	1.30101E+14
Moles of 233U in g of soln	2.16007E-10
Grams (convert moles to g)	5.03383E-08
233U ppb	50.33827243

Sample-	E-I-IU*pH8.75*a
CPMB	543.747
233U added (g)	0.5018
U233 corrected-	1083.593065
N (convert to atoms/g soln)-	1.25304E+14
Moles of 233U in g of soln	2.08043E-10
Grams (convert moles to g)	4.84822E-08
233U ppb	48.48222235

Sample-	E-I-IU*pH8.75*b
CPMB	551.444
233U added (g)	0.5048
U233 corrected-	1092.400951
N (convert to atoms/g soln)-	1.26323E+14
Moles of 233U in g of soln	2.09734E-10
Grams (convert moles to g)	4.88763E-08
233U ppb	48.8763056

Sample-	E-I-IU*pH9.00*a
CPMB	556.135
233U added (g)	0.5106
U233 corrected-	1089.179397
N (convert to atoms/g soln)-	1.2595E+14
Moles of 233U in g of soln	2.09115E-10
Grams (convert moles to g)	4.87322E-08
233U ppb	48.73216653

Sample-	E-I-IU*pH9.00*b
CPMB	557.168
233U added (g)	0.513
U233 corrected-	1086.097466
N (convert to atoms/g soln)-	1.25594E+14
Moles of 233U in g of soln	2.08524E-10
Grams (convert moles to g)	4.85943E-08
233U ppb	48.59427449

Sample-	E-I-IU*pH9.25*a
CPMB	548.623
233U added (g)	0.5215
U233 corrected-	1052.009588
N (convert to atoms/g soln)-	1.21652E+14
Moles of 233U in g of soln	2.01979E-10
Grams (convert moles to g)	4.70691E-08
233U ppb	47.06911145

Sample-	E-I-IU*pH9.25*b
CPMB	550.81
233U added (g)	0.5382
U233 corrected-	1023.429952
N (convert to atoms/g soln)-	1.18347E+14
Moles of 233U in g of soln	1.96492E-10
Grams (convert moles to g)	4.57904E-08
233U ppb	45.7903987

Sample-	E-I-IU*pH9.50*a
CPMB	471.344
233U added (g)	0.5355
U233 corrected-	880.194211
N (convert to atoms/g soln)-	1.01784E+14
Moles of 233U in g of soln	1.68992E-10
Grams (convert moles to g)	3.93817E-08
233U ppb	39.38173178

Sample-	E-I-IU*pH9.50*b
CPMB	423.823
233U added (g)	0.5612
U233 corrected-	755.2084818
N (convert to atoms/g soln)-	8.73306E+13
Moles of 233U in g of soln	1.44995E-10
Grams (convert moles to g)	3.37896E-08
233U ppb	33.78960859

Sample-	E-I-C-IU*pH2.00*a
CPMB	557.294
233U added (g)	0.4997
U233 corrected-	1115.257154
N (convert to atoms/g soln)-	1.28966E+14
Moles of 233U in g of soln	2.14122E-10
Grams (convert moles to g)	4.98989E-08
233U ppb	49.89893999

Sample-	E-I-C-IU*pH2.00*b
CPMB	555.809
233U added (g)	0.4989
U233 corrected-	1114.068952
N (convert to atoms/g soln)-	1.28828E+14
Moles of 233U in g of soln	2.13894E-10
Grams (convert moles to g)	4.98458E-08
233U ppb	49.84577732

Sample-	E-I-C-IU*pH4.00*a
CPMB	527.187
233U added (g)	0.4979
U233 corrected-	1058.821048
N (convert to atoms/g soln)-	1.2244E+14
Moles of 233U in g of soln	2.03287E-10
Grams (convert moles to g)	4.73739E-08
233U ppb	47.37387046

Sample-	E-I-C-IU*pH4.00*b
CPMB	517.013
233U added (g)	0.5023
U233 corrected-	1029.29126
N (convert to atoms/g soln)-	1.19025E+14
Moles of 233U in g of soln	1.97617E-10
Grams (convert moles to g)	4.60526E-08
233U ppb	46.05264591

Sample-	E-I-C-IU*pH5.00*a
CPMB	324.925
233U added (g)	0.4969
U233 corrected-	653.9042061
N (convert to atoms/g soln)-	7.5616E+13
Moles of 233U in g of soln	1.25545E-10
Grams (convert moles to g)	2.9257E-08
233U ppb	29.2570432

Sample-	E-I-C-IU*pH5.00*b
CPMB	338.036
233U added (g)	0.4969
U233 corrected-	680.2897967
N (convert to atoms/g soln)-	7.86671E+13
Moles of 233U in g of soln	1.30611E-10
Grams (convert moles to g)	3.04376E-08
233U ppb	30.43758977

Sample-	E-I-C-IU*pH5.50*a
CPMB	470.333
233U added (g)	0.4967
U233 corrected-	946.9156432
N (convert to atoms/g soln)-	1.09499E+14
Moles of 233U in g of soln	1.81802E-10
Grams (convert moles to g)	4.2367E-08
233U ppb	42.36698835

Sample-	E-I-C-IU*pH5.50*b
CPMB	471.424
233U added (g)	0.5034
U233 corrected-	936.4799364
N (convert to atoms/g soln)-	1.08292E+14
Moles of 233U in g of soln	1.79798E-10
Grams (convert moles to g)	4.19001E-08
233U ppb	41.90007298

Sample-	E-I-C-IU*pH6.00*a
CPMB	343.055
233U added (g)	0.5001
U233 corrected-	685.9728054
N (convert to atoms/g soln)-	7.93243E+13
Moles of 233U in g of soln	1.31702E-10
Grams (convert moles to g)	3.06919E-08
233U ppb	30.69185947

Sample-	E-I-C-IU*pH6.00*b
CPMB	365.461
233U added (g)	0.5004
U233 corrected-	730.3377298
N (convert to atoms/g soln)-	8.44546E+13
Moles of 233U in g of soln	1.4022E-10
Grams (convert moles to g)	3.26768E-08
233U ppb	32.67683907

Sample-	E-I-C-IU*pH6.50*a
CPMB	486.065
233U added (g)	0.4978
U233 corrected-	976.4262756
N (convert to atoms/g soln)-	1.12912E+14
Moles of 233U in g of soln	1.87467E-10
Grams (convert moles to g)	4.36874E-08
233U ppb	43.68735582

Sample-	E-I-C-IU*pH6.50*b
CPMB	489.108
233U added (g)	0.5002
U233 corrected-	977.8248701
N (convert to atoms/g soln)-	1.13073E+14
Moles of 233U in g of soln	1.87736E-10
Grams (convert moles to g)	4.37499E-08
233U ppb	43.74993187

Sample-	E-I-C-IU*pH7.00*a
CPMB	517.013
233U added (g)	0.4956
U233 corrected-	1043.206215
N (convert to atoms/g soln)-	1.20634E+14
Moles of 233U in g of soln	2.00289E-10
Grams (convert moles to g)	4.66752E-08
233U ppb	46.67523011

Sample-	E-I-C-IU*pH7.00*b
CPMB	520.077
233U added (g)	0.5005
U233 corrected-	1039.114885
N (convert to atoms/g soln)-	1.20161E+14
Moles of 233U in g of soln	1.99503E-10
Grams (convert moles to g)	4.64922E-08
233U ppb	46.49217546

Sample-	E-I-C-IU*pH7.50*a
CPMB	548.747
233U added (g)	0.4981
U233 corrected-	1101.680385
N (convert to atoms/g soln)-	1.27396E+14
Moles of 233U in g of soln	2.11515E-10
Grams (convert moles to g)	4.92915E-08
233U ppb	49.29148693

Sample-	E-I-C-IU*pH7.50*b
CPMB	561.486
233U added (g)	0.502
U233 corrected-	1118.498008
N (convert to atoms/g soln)-	1.29341E+14
Moles of 233U in g of soln	2.14744E-10
Grams (convert moles to g)	5.00439E-08
233U ppb	50.04394257

Sample-	E-I-C-IU*pH8.00*a
CPMB	547.257
233U added (g)	0.4988
U233 corrected-	1097.147153
N (convert to atoms/g soln)-	1.26872E+14
Moles of 233U in g of soln	2.10645E-10
Grams (convert moles to g)	4.90887E-08
233U ppb	49.08866063

Sample-	E-I-C-IU*pH8.00*b
CPMB	568.874
233U added (g)	0.4993
U233 corrected-	1139.34308
N (convert to atoms/g soln)-	1.31751E+14
Moles of 233U in g of soln	2.18746E-10
Grams (convert moles to g)	5.09766E-08
233U ppb	50.97659475

Sample-	E-I-C-IU*pH9.50*a
CPMB	445.175
233U added (g)	0.5482
U233 corrected-	812.066764
N (convert to atoms/g soln)-	9.39055E+13
Moles of 233U in g of soln	1.55912E-10
Grams (convert moles to g)	3.63336E-08
233U ppb	36.33356717

Sample-	E-I-C-IU*pH9.50*b
CPMB	428.064
233U added (g)	0.5613
U233 corrected-	762.6296098
N (convert to atoms/g soln)-	8.81887E+13
Moles of 233U in g of soln	1.4642E-10
Grams (convert moles to g)	3.41216E-08
233U ppb	34.12164539

Protocol #:23 U-233 3% 2 sigma User : Jim Prikryl

Time: 999.99
Data Mode: CPM Nuclide: MANUAL
Background Subtract: 1st Vial

	LL	UL	LCR	2S%	BKG
Region A:	0.0 -	100	0	0.3	17.70
Region B:	100 -	350	0	3.0	3.39
Region C:	0.0 -	2000	0	0.1	27.03

Quench Indicator: SIS
alpha cpm U-233 1st vial bkgnd
Coincidence Time(ns): 18
Delay Before Burst(ns): Normal

S#	TIME	CPMA	A:2S%	CPMB	B:2S%	CPMC	C:2S%	SIS	FLAG
1	999.99	17.70	1.50	3.390	3.44	27.03	1.22	152.52	B
1 MISSING TUBE(S)									
3	7.94	15.29	26.72	557.567	3.02	572.97	3.03	690.28	
4	8.02	14.59	27.57	551.223	3.02	566.48	3.04	688.39	
5	8.04	13.27	29.66	549.844	3.02	562.77	3.04	690.34	
6	7.81	18.15	23.66	565.880	3.02	583.59	3.03	686.87	
7	7.84	11.51	33.63	563.447	3.02	575.01	3.05	693.46	
8	8.03	11.31	33.69	551.031	3.02	562.01	3.05	692.90	
9	7.95	13.49	29.43	555.604	3.02	570.32	3.04	689.13	
10	8.01	12.63	30.88	552.041	3.02	565.72	3.04	693.18	
11	8.17	12.77	30.31	541.163	3.02	555.10	3.04	692.90	
12	8.08	14.85	27.10	546.858	3.02	561.95	3.04	690.33	
13	8.27	9.99	36.74	534.578	3.02	545.03	3.05	693.52	
14	8.24	13.24	29.34	536.537	3.02	549.30	3.05	690.85	
15	8.67	13.90	27.54	509.413	3.02	525.45	3.04	689.94	
16	8.63	13.58	28.11	511.905	3.02	525.34	3.05	689.57	
17	9.58	8.60	38.66	460.493	3.02	470.56	3.06	692.88	
18	9.52	14.96	24.82	463.732	3.02	479.69	3.04	688.49	
19	9.92	14.05	25.54	444.997	3.02	460.16	3.05	686.29	
20	9.98	12.56	27.82	442.001	3.02	453.93	3.06	689.41	
21	12.42	7.01	40.40	354.661	3.03	361.77	3.09	692.60	
22	12.25	10.87	28.21	359.467	3.03	370.92	3.07	688.17	
23	24.28	4.45	43.31	179.765	3.06	183.34	3.22	691.29	
24	24.92	4.73	40.53	174.941	3.06	180.55	3.20	690.60	
25	19.31	6.84	33.18	226.802	3.05	234.38	3.14	689.96	
26	19.07	5.58	39.90	229.646	3.04	234.37	3.16	691.95	
27	27.56	3.63	49.01	157.894	3.07	161.43	3.25	692.23	
28	27.85	2.01	84.81	156.179	3.07	158.93	3.26	695.34	
29	18.05	4.68	47.95	242.870	3.04	248.31	3.15	696.40	
30	18.12	3.38	64.36	241.864	3.04	245.04	3.17	700.00	
31	18.77	4.94	44.81	233.371	3.04	237.16	3.17	693.32	
32	18.59	6.07	37.51	235.663	3.04	242.36	3.14	690.21	
33	26.32	5.40	35.07	165.607	3.06	170.53	3.22	687.34	
34	25.80	5.51	34.75	168.974	3.06	174.59	3.21	686.47	
35	17.14	8.55	29.12	255.887	3.04	265.09	3.12	685.99	
36	17.29	8.61	28.82	253.695	3.04	262.09	3.12	685.91	
37	12.94	9.50	30.66	340.118	3.03	350.94	3.08	692.09	
38	13.33	12.53	24.13	330.218	3.03	344.23	3.07	683.76	
39	11.91	13.70	23.79	369.826	3.03	383.96	3.06	684.40	
40	11.68	11.92	26.82	377.261	3.03	390.17	3.06	689.14	
41	9.57	11.24	31.03	461.291	3.02	472.86	3.06	695.93	

Protocol #:23 U-233 3% 2 sigma User : Jim Prikryl

S#	TIME	CPMA	A:2S%	CPMB	B:2S%	CPMC	C:2S%	SIS	FLAG
42	9.52	10.13	33.86	463.732	3.02	473.49	3.06	696.36	
[illegible]	8.48	11.78	31.74	521.256	3.02	532.40	3.05	692.79	
44	8.54	6.89	49.44	517.453	3.02	523.43	3.07	697.58	
45	8.03	12.81	30.51	550.533	3.02	563.38	3.04	692.44	
46	7.85	8.92	41.40	562.852	3.02	571.44	3.06	697.27	
47	7.66	8.27	44.63	577.028	3.02	583.15	3.06	699.81	
48	7.84	21.58	20.78	564.084	3.02	585.98	3.02	683.81	
49	7.61	13.83	29.50	580.710	3.02	593.86	3.04	692.71	
50	7.93	17.35	24.28	557.392	3.02	573.72	3.03	688.77	
51	7.87	12.92	30.61	561.413	3.02	575.00	3.04	695.69	
52	7.80	16.14	25.86	566.866	3.02	584.89	3.03	689.85	
53	7.68	13.55	29.85	575.777	3.02	590.15	3.04	693.28	
54	7.66	17.67	24.37	577.289	3.02	595.81	3.03	692.32	
55	7.85	16.05	25.89	562.852	3.02	578.83	3.04	692.31	
56	7.79	14.77	27.70	567.085	3.02	583.49	3.03	693.13	
57	8.00	21.30	20.77	552.235	3.02	574.22	3.02	690.09	
58	7.88	14.40	28.09	560.950	3.02	575.00	3.04	695.65	
59	7.66	22.90	20.14	576.897	3.02	601.95	3.01	701.53	
60	7.66	14.15	28.89	576.897	3.02	592.42	3.04	714.10	
61	7.95	10.22	36.77	556.107	3.02	567.43	3.05	693.39	
62	8.12	13.82	28.57	544.886	3.02	559.42	3.04	687.66	
63	11.64	15.89	21.45	378.397	3.03	394.79	3.05	702.10	
64	12.23	13.69	23.48	359.979	3.03	374.85	3.06	704.46	
2 MISSING TUBE(S)									
67	7.96	13.33	29.70	554.901	3.02	570.96	3.04	690.34	
68	8.01	19.62	22.04	551.416	3.02	572.09	3.02	682.98	
[illegible]	8.61	15.86	24.95	512.986	3.02	530.11	3.04	689.90	
[illegible]	8.75	16.70	23.81	505.296	3.02	523.82	3.03	689.04	
71	13.30	7.78	35.73	330.971	3.03	338.60	3.10	690.07	
72	13.17	9.02	31.71	334.423	3.03	342.97	3.09	690.23	
73	9.26	10.05	34.56	477.172	3.02	490.68	3.05	696.49	
74	9.52	16.12	23.45	463.522	3.02	480.42	3.04	685.60	
75	12.73	14.35	22.20	345.707	3.03	360.40	3.06	679.64	
76	13.15	9.37	30.76	334.633	3.03	344.68	3.09	689.29	
77	9.10	16.14	23.95	485.181	3.02	500.88	3.04	686.66	
78	9.09	10.13	34.65	485.499	3.02	497.06	3.06	696.54	
79	8.24	12.03	31.66	536.173	3.02	548.45	3.05	694.85	
80	8.29	17.28	23.83	533.401	3.02	552.34	3.03	687.51	
81	7.98	16.88	24.71	553.753	3.02	570.96	3.03	691.01	
82	8.00	21.80	20.43	552.360	3.02	575.09	3.02	685.47	
83	7.88	23.41	19.55	560.569	3.02	585.02	3.01	682.55	
84	7.97	16.30	25.40	554.201	3.02	570.21	3.04	691.97	
85	10.96	19.61	18.86	402.267	3.02	423.88	3.03	717.19	
86	11.14	23.23	16.54	395.622	3.03	421.35	3.01	708.81	

SYSTEM NORMALIZED

C14 IPA DATA PROCESSED - 08-Sep-94 18:39
C14 Eff (0-156 keV) = 96.68 %
C14 CHI SQUARE IPA DATA PROCESSED - 08-Sep-94 18:50
[illegible]14 Chi Square = 20.63
H3 IPA DATA PROCESSED - 08-Sep-94 18:51
H3 Eff (0-18.6 keV) = 68.03 %
H3 CHI SQUARE IPA DATA PROCESSED - 08-Sep-94 19:02
H3 Chi Square = 18.33

BKG IPA DATA PROCESSED - 08-Sep-94 20:02
Bkg (0-18.6 keV) = 17.72 cpm
Bkg (0-156 keV) = 25.23 cpm
C14 E^2/B (1-156 keV) = 482.14
H3 E^2/B (1-18.6 keV) = 256.06

SYSTEM NORMALIZED

C[illegible]IPA DATA PROCESSED - 07-Sep-94 08:21
C14 Eff (0-156 keV) = 96.52 %
C14 CHI SQUARE IPA DATA PROCESSED - 07-Sep-94 08:32
C14 Chi Square = 11.41
H3 IPA DATA PROCESSED - 07-Sep-94 08:33
H3 Eff (0-18.6 keV) = 67.75 %
H3 CHI SQUARE IPA DATA PROCESSED - 07-Sep-94 08:44
H3 Chi Square = 16.41
BKG IPA DATA PROCESSED - 07-Sep-94 09:44
Bkg (0-18.6 keV) = 17.35 cpm
Bkg (0-156 keV) = 24.77 cpm
C14 E^2/B (1-156 keV) = 489.84
H3 E^2/B (1-18.6 keV) = 258.07

Sample-	E-I*pH2.00*a
CPMB	557.567
233U added (g)	0.5041
U233 corrected-	1106.064273
N (convert to atoms/g soln)-	1.27903E+14
Moles of 233U in g of soln	2.12357E-10
Grams (convert moles to g)	4.94876E-08
233U ppb	49.48763124

Sample-	E-I*pH2.00*b
CPMB	551.223
233U added (g)	0.5053
U233 corrected-	1090.882644
N (convert to atoms/g soln)-	1.26147E+14
Moles of 233U in g of soln	2.09442E-10
Grams (convert moles to g)	4.88084E-08
233U ppb	48.80837337

Sample-	E-I*pH2.25*a
CPMB	549.844
233U added (g)	0.5063
U233 corrected-	1086.004345
N (convert to atoms/g soln)-	1.25583E+14
Moles of 233U in g of soln	2.08506E-10
Grams (convert moles to g)	4.85901E-08
233U ppb	48.59010807

Sample-	E-I*pH2.25*b
CPMB	565.88
233U added (g)	0.5048
U233 corrected-	1120.998415
N (convert to atoms/g soln)-	1.2963E+14
Moles of 233U in g of soln	2.15224E-10
Grams (convert moles to g)	5.01558E-08
233U ppb	50.15581603

Sample-	E-I*pH2.50*a
CPMB	563.447
233U added (g)	0.5024
U233 corrected-	1121.510748
N (convert to atoms/g soln)-	1.29689E+14
Moles of 233U in g of soln	2.15323E-10
Grams (convert moles to g)	5.01787E-08
233U ppb	50.17873889

Sample-	E-I*pH2.50*b
CPMB	551.031
233U added (g)	0.5026
U233 corrected-	1096.360923
N (convert to atoms/g soln)-	1.26781E+14
Moles of 233U in g of soln	2.10494E-10
Grams (convert moles to g)	4.90535E-08
233U ppb	49.05348305

Sample-	E-I*pH2.75*a
CPMB	555.604
233U added (g)	0.5018
U233 corrected-	1107.222001
N (convert to atoms/g soln)-	1.28037E+14
Moles of 233U in g of soln	2.12579E-10
Grams (convert moles to g)	4.95394E-08
233U ppb	49.5394304

Sample-	E-I*pH2.75*b
CPMB	552.041
233U added (g)	0.5024
U233 corrected-	1098.807723
N (convert to atoms/g soln)-	1.27064E+14
Moles of 233U in g of soln	2.10964E-10
Grams (convert moles to g)	4.9163E-08
233U ppb	49.162958

Sample-	E-I*pH3.00*a
CPMB	541.163
233U added (g)	0.5017
U233 corrected-	1078.658561
N (convert to atoms/g soln)-	1.24734E+14
Moles of 233U in g of soln	2.07095E-10
Grams (convert moles to g)	4.82614E-08
233U ppb	48.2614423

Sample-	E-I*pH3.00*b
CPMB	546.858
233U added (g)	0.501
U233 corrected-	1091.532934
N (convert to atoms/g soln)-	1.26222E+14
Moles of 233U in g of soln	2.09567E-10
Grams (convert moles to g)	4.88375E-08
233U ppb	48.83746871

Sample-	E-I*pH3.25*a
CPMB	534.578
233U added (g)	0.5025
U233 corrected-	1063.836816
N (convert to atoms/g soln)-	1.2302E+14
Moles of 233U in g of soln	2.0425E-10
Grams (convert moles to g)	4.75983E-08
233U ppb	47.5982864

Sample-	E-I*pH3.25*b
CPMB	536.537
233U added (g)	0.5041
U233 corrected-	1064.34636
N (convert to atoms/g soln)-	1.23079E+14
Moles of 233U in g of soln	2.04348E-10
Grams (convert moles to g)	4.76211E-08
233U ppb	47.62108446

Sample-	E-I*pH3.50*a
CPMB	509.413
233U added (g)	0.5012
U233 corrected-	1016.386672
N (convert to atoms/g soln)-	1.17533E+14
Moles of 233U in g of soln	1.9514E-10
Grams (convert moles to g)	4.54753E-08
233U ppb	45.47526762

Sample-	E-I*pH3.50*b
CPMB	511.905
233U added (g)	0.5023
U233 corrected-	1019.122039
N (convert to atoms/g soln)-	1.17849E+14
Moles of 233U in g of soln	1.95665E-10
Grams (convert moles to g)	4.55977E-08
233U ppb	45.59765365

Sample-	E-I*pH3.75*a
CPMB	460.493
233U added (g)	0.5033
U233 corrected-	914.9473475
N (convert to atoms/g soln)-	1.05802E+14
Moles of 233U in g of soln	1.75664E-10
Grams (convert moles to g)	4.09367E-08
233U ppb	40.93665987

Sample-	E-I*pH3.75*b
CPMB	463.732
233U added (g)	0.5008
U233 corrected-	925.9824281
N (convert to atoms/g soln)-	1.07078E+14
Moles of 233U in g of soln	1.77783E-10
Grams (convert moles to g)	4.14304E-08
233U ppb	41.43039248

Sample-	E-I*pH4.00*a
CPMB	444.997
233U added (g)	0.5017
U233 corrected-	886.9782739
N (convert to atoms/g soln)-	1.02568E+14
Moles of 233U in g of soln	1.70294E-10
Grams (convert moles to g)	3.96853E-08
233U ppb	39.68526496

Sample-	E-I*pH4.00*b
CPMB	442.001
233U added (g)	0.5027
U233 corrected-	879.2540282
N (convert to atoms/g soln)-	1.01675E+14
Moles of 233U in g of soln	1.68811E-10
Grams (convert moles to g)	3.93397E-08
233U ppb	39.33966604

Sample-	E-I*pH4.25*a
CPMB	354.661
233U added (g)	0.5006
U233 corrected-	708.4718338
N (convert to atoms/g soln)-	8.1926E+13
Moles of 233U in g of soln	1.36022E-10
Grams (convert moles to g)	3.16985E-08
233U ppb	31.69851311

Sample-	E-I*pH4.25*b
CPMB	359.467
233U added (g)	0.5002
U233 corrected-	718.6465414
N (convert to atoms/g soln)-	8.31026E+13
Moles of 233U in g of soln	1.37975E-10
Grams (convert moles to g)	3.21538E-08
233U ppb	32.15375083

Sample-	E-I*pH4.50*a
CPMB	179.765
233U added (g)	0.4987
U233 corrected-	360.4672148
N (convert to atoms/g soln)-	4.16836E+13
Moles of 233U in g of soln	6.92074E-11
Grams (convert moles to g)	1.61281E-08
233U ppb	16.12805787

Sample-	E-I*pH4.50*b
CPMB	174.941
233U added (g)	0.5002
U233 corrected-	349.7421032
N (convert to atoms/g soln)-	4.04434E+13
Moles of 233U in g of soln	6.71482E-11
Grams (convert moles to g)	1.56482E-08
233U ppb	15.64819392

Sample-	E-I*pH4.75*a
CPMB	226.802
233U added (g)	0.4996
U233 corrected-	453.9671737
N (convert to atoms/g soln)-	5.24957E+13
Moles of 233U in g of soln	8.71587E-11
Grams (convert moles to g)	2.03114E-08
233U ppb	20.31144178

Sample-	E-I*pH4.75*b
CPMB	229.646
233U added (g)	0.4993
U233 corrected-	459.9359103
N (convert to atoms/g soln)-	5.31859E+13
Moles of 233U in g of soln	8.83047E-11
Grams (convert moles to g)	2.05785E-08
233U ppb	20.57849555

Sample-	E-I*pH5.00*a
CPMB	157.894
233U added (g)	0.5025
U233 corrected-	314.2169154
N (convert to atoms/g soln)-	3.63353E+13
Moles of 233U in g of soln	6.03276E-11
Grams (convert moles to g)	1.40587E-08
233U ppb	14.05872264

Sample-	E-I*pH5.00*b
CPMB	156.179
233U added (g)	0.4998
U233 corrected-	312.4829932
N (convert to atoms/g soln)-	3.61348E+13
Moles of 233U in g of soln	5.99947E-11
Grams (convert moles to g)	1.39811E-08
233U ppb	13.98114333

Sample-	E-I*pH5.25*a
CPMB	242.87
233U added (g)	0.4991
U233 corrected-	486.6159086
N (convert to atoms/g soln)-	5.62711E+13
Moles of 233U in g of soln	9.34271E-11
Grams (convert moles to g)	2.17722E-08
233U ppb	21.77221454

Sample-	E-I*pH5.25*b
CPMB	241.864
233U added (g)	0.4991
U233 corrected-	484.6002805
N (convert to atoms/g soln)-	5.60381E+13
Moles of 233U in g of soln	9.30401E-11
Grams (convert moles to g)	2.1682E-08
233U ppb	21.68203111

Sample-	E-I*pH5.50*a
CPMB	233.371
233U added (g)	0.4993
U233 corrected-	467.3963549
N (convert to atoms/g soln)-	5.40486E+13
Moles of 233U in g of soln	8.97371E-11
Grams (convert moles to g)	2.09123E-08
233U ppb	20.91229146

Sample-	E-I*pH5.50*b
CPMB	235.663
233U added (g)	0.4963
U233 corrected-	474.8398146
N (convert to atoms/g soln)-	5.49094E+13
Moles of 233U in g of soln	9.11662E-11
Grams (convert moles to g)	2.12453E-08
233U ppb	21.24532743

Sample-	E-I*pH5.75*a
CPMB	165.607
233U added (g)	0.5013
U233 corrected-	330.3550768
N (convert to atoms/g soln)-	3.82015E+13
Moles of 233U in g of soln	6.3426E-11
Grams (convert moles to g)	1.47808E-08
233U ppb	14.78077777

Sample-	E-I*pH5.75*b
CPMB	168.974
233U added (g)	0.5003
U233 corrected-	337.7453528
N (convert to atoms/g soln)-	3.90561E+13
Moles of 233U in g of soln	6.48449E-11
Grams (convert moles to g)	1.51114E-08
233U ppb	15.11143419

Sample-	E-I*pH6.00*a
CPMB	225.887
233U added (g)	0.5017
U233 corrected-	450.2431732
N (convert to atoms/g soln)-	5.20651E+13
Moles of 233U in g of soln	8.64438E-11
Grams (convert moles to g)	2.01448E-08
233U ppb	20.1448222

Sample-	E-I*pH6.00*b
CPMB	253.695
233U added (g)	0.5023
U233 corrected-	505.0666932
N (convert to atoms/g soln)-	5.84047E+13
Moles of 233U in g of soln	9.69695E-11
Grams (convert moles to g)	2.25977E-08
233U ppb	22.59774127

Sample-	E-I*pH6.25*a
CPMB	340.118
233U added (g)	0.5012
U233 corrected-	678.6073424
N (convert to atoms/g soln)-	7.84726E+13
Moles of 233U in g of soln	1.30288E-10
Grams (convert moles to g)	3.03623E-08
233U ppb	30.36231324

Sample-	E-I*pH6.25*b
CPMB	330.218
233U added (g)	0.5005
U233 corrected-	659.7762238
N (convert to atoms/g soln)-	7.6295E+13
Moles of 233U in g of soln	1.26673E-10
Grams (convert moles to g)	2.95198E-08
233U ppb	29.51976956

Sample-	E-I*pH6.50*a
CPMB	369.826
233U added (g)	0.4986
U233 corrected-	741.7288408
N (convert to atoms/g soln)-	8.57718E+13
Moles of 233U in g of soln	1.42407E-10
Grams (convert moles to g)	3.31865E-08
233U ppb	33.18650122

Sample-	E-I*pH6.50*b
CPMB	377.261
233U added (g)	0.4998
U233 corrected-	754.8239296
N (convert to atoms/g soln)-	8.72861E+13
Moles of 233U in g of soln	1.44921E-10
Grams (convert moles to g)	3.37724E-08
233U ppb	33.77240291

Sample-	E-I*pH6.75*a
CPMB	461.291
233U added (g)	0.4989
U233 corrected-	924.6161555
N (convert to atoms/g soln)-	1.0692E+14
Moles of 233U in g of soln	1.7752E-10
Grams (convert moles to g)	4.13693E-08
233U ppb	41.36926258

Sample-	E-I*pH6.75*b
CPMB	463.732
233U added (g)	0.5008
U233 corrected-	925.9824281
N (convert to atoms/g soln)-	1.07078E+14
Moles of 233U in g of soln	1.77783E-10
Grams (convert moles to g)	4.14304E-08
233U ppb	41.43039248

Sample-	E-I*pH7.00*a
CPMB	521.256
233U added (g)	0.5004
U233 corrected-	1041.678657
N (convert to atoms/g soln)-	1.20457E+14
Moles of 233U in g of soln	1.99996E-10
Grams (convert moles to g)	4.66069E-08
233U ppb	46.60688398

Sample-	E-I*pH7.00*b
CPMB	517.453
233U added (g)	0.4987
U233 corrected-	1037.60377
N (convert to atoms/g soln)-	1.19986E+14
Moles of 233U in g of soln	1.99213E-10
Grams (convert moles to g)	4.64246E-08
233U ppb	46.424565

Sample-	E-I*pH7.25*a
CPMB	550.533
233U added (g)	0.4999
U233 corrected-	1101.286257
N (convert to atoms/g soln)-	1.2735E+14
Moles of 233U in g of soln	2.1144E-10
Grams (convert moles to g)	4.92739E-08
233U ppb	49.27385281

Sample-	E-I*pH7.25*b
CPMB	562.852
233U added (g)	0.5006
U233 corrected-	1124.354774
N (convert to atoms/g soln)-	1.30018E+14
Moles of 233U in g of soln	2.15869E-10
Grams (convert moles to g)	5.0306E-08
233U ppb	50.30598656

Sample-	E-I*pH7.50*a
CPMB	577.028
233U added (g)	0.5015
U233 corrected-	1150.604187
N (convert to atoms/g soln)-	1.33053E+14
Moles of 233U in g of soln	2.20909E-10
Grams (convert moles to g)	5.14804E-08
233U ppb	51.48044026

Sample-	E-I*pH7.50*b
CPMB	564.084
233U added (g)	0.5014
U233 corrected-	1125.01795
N (convert to atoms/g soln)-	1.30094E+14
Moles of 233U in g of soln	2.15996E-10
Grams (convert moles to g)	5.03357E-08
233U ppb	50.33565842

Sample-	E-I*pH7.75*a
CPMB	580.71
233U added (g)	0.4988
U233 corrected-	1164.214114
N (convert to atoms/g soln)-	1.34627E+14
Moles of 233U in g of soln	2.23522E-10
Grams (convert moles to g)	5.20894E-08
233U ppb	52.08937686

Sample-	E-I*pH7.75*b
CPMB	557.392
233U added (g)	0.4995
U233 corrected-	1115.8999
N (convert to atoms/g soln)-	1.2904E+14
Moles of 233U in g of soln	2.14246E-10
Grams (convert moles to g)	4.99277E-08
233U ppb	49.92769778

Sample-	E-I*pH8.00*a
CPMB	561.413
233U added (g)	0.5024
U233 corrected-	1117.462182
N (convert to atoms/g soln)-	1.29221E+14
Moles of 233U in g of soln	2.14545E-10
Grams (convert moles to g)	4.99976E-08
233U ppb	49.99759753

Sample-	E-I*pH8.00*b
CPMB	566.866
233U added (g)	0.5007
U233 corrected-	1132.146994
N (convert to atoms/g soln)-	1.30919E+14
Moles of 233U in g of soln	2.17365E-10
Grams (convert moles to g)	5.06546E-08
233U ppb	50.65462679

Sample-	E-I*pH8.25*a
CPMB	575.777
233U added (g)	0.5015
U233 corrected-	1148.109671
N (convert to atoms/g soln)-	1.32765E+14
Moles of 233U in g of soln	2.2043E-10
Grams (convert moles to g)	5.13688E-08
233U ppb	51.36883037

Sample-	E-I*pH8.25*b
CPMB	577.289
233U added (g)	0.5021
U233 corrected-	1149.749054
N (convert to atoms/g soln)-	1.32954E+14
Moles of 233U in g of soln	2.20744E-10
Grams (convert moles to g)	5.14422E-08
233U ppb	51.4421798

Sample-	E-I*pH8.50*a
CPMB	562.852
233U added (g)	0.5019
U233 corrected-	1121.442518
N (convert to atoms/g soln)-	1.29681E+14
Moles of 233U in g of soln	2.1531E-10
Grams (convert moles to g)	5.01757E-08
233U ppb	50.17568613

Sample-	E-I*pH8.50*b
CPMB	567.085
233U added (g)	0.5028
U233 corrected-	1127.854018
N (convert to atoms/g soln)-	1.30422E+14
Moles of 233U in g of soln	2.16541E-10
Grams (convert moles to g)	5.04626E-08
233U ppb	50.46255003

Sample-	E-I*pH8.75*a
CPMB	552.235
233U added (g)	0.5037
U233 corrected-	1096.356959
N (convert to atoms/g soln)-	1.2678E+14
Moles of 233U in g of soln	2.10493E-10
Grams (convert moles to g)	4.90533E-08
233U ppb	49.05330566

Sample-	E-l*pH8.75*b
CPMB	560.95
233U added (g)	0.505
U233 corrected-	1110.792079
N (convert to atoms/g soln)-	1.28449E+14
Moles of 233U in g of soln	2.13265E-10
Grams (convert moles to g)	4.96992E-08
233U ppb	49.69916319

Sample-	E-I*pH9.00*a
CPMB	576.897
233U added (g)	0.5159
U233 corrected-	1118.234154
N (convert to atoms/g soln)-	1.2931E+14
Moles of 233U in g of soln	2.14694E-10
Grams (convert moles to g)	5.00321E-08
233U ppb	50.03213719

Sample-	E-I*pH9.00*b
CPMB	576.897
233U added (g)	0.518
U233 corrected-	1113.700772
N (convert to atoms/g soln)-	1.28786E+14
Moles of 233U in g of soln	2.13823E-10
Grams (convert moles to g)	4.98293E-08
233U ppb	49.8293042

Sample-	E-I*pH9.25*a
CPMB	556.107
233U added (g)	0.5263
U233 corrected-	1056.634999
N (convert to atoms/g soln)-	1.22187E+14
Moles of 233U in g of soln	2.02867E-10
Grams (convert moles to g)	4.72761E-08
233U ppb	47.27606204

Sample-	E-I*pH9.25*b
CPMB	544.886
233U added (g)	0.5259
U233 corrected-	1036.101921
N (convert to atoms/g soln)-	1.19812E+14
Moles of 233U in g of soln	1.98925E-10
Grams (convert moles to g)	4.63574E-08
233U ppb	46.35736911

Sample-	E-I*pH9.50*a
CPMB	378.397
233U added (g)	0.5525
U233 corrected-	684.881448
N (convert to atoms/g soln)-	7.91981E+13
Moles of 233U in g of soln	1.31493E-10
Grams (convert moles to g)	3.0643E-08
233U ppb	30.64302985

Sample-	E-I*pH9.50*b
CPMB	359.979
233U added (g)	0.5595
U233 corrected-	643.3941019
N (convert to atoms/g soln)-	7.44006E+13
Moles of 233U in g of soln	1.23527E-10
Grams (convert moles to g)	2.87868E-08
233U ppb	28.78679913

Sample-	E-I-C*pH2.00*a
CPMB	554.901
233U added (g)	0.5006
U233 corrected-	1108.471834
N (convert to atoms/g soln)-	1.28181E+14
Moles of 233U in g of soln	2.12819E-10
Grams (convert moles to g)	4.95954E-08
233U ppb	49.59535055

Sample-	E-I-C*pH2.00*b
CPMB	551.416
233U added (g)	0.4975
U233 corrected-	1108.373869
N (convert to atoms/g soln)-	1.2817E+14
Moles of 233U in g of soln	2.12801E-10
Grams (convert moles to g)	4.9591E-08
233U ppb	49.59096741

Sample-	E-I-C*pH4.00*a
CPMB	512.986
233U added (g)	0.4975
U233 corrected-	1031.127638
N (convert to atoms/g soln)-	1.19237E+14
Moles of 233U in g of soln	1.9797E-10
Grams (convert moles to g)	4.61348E-08
233U ppb	46.13480931

Sample-	E-I-C*pH4.00*b
CPMB	505.296
233U added (g)	0.4961
U233 corrected-	1018.536585
N (convert to atoms/g soln)-	1.17781E+14
Moles of 233U in g of soln	1.95552E-10
Grams (convert moles to g)	4.55715E-08
233U ppb	45.57145925

Sample-	E-I-C*pH5.00*a
CPMB	330.971
233U added (g)	0.5018
U233 corrected-	659.5675568
N (convert to atoms/g soln)-	7.62709E+13
Moles of 233U in g of soln	1.26633E-10
Grams (convert moles to g)	2.95104E-08
233U ppb	29.51043337

Sample-	E-I-C*pH5.00*b
CPMB	334.971
233U added (g)	0.4962
U233 corrected-	675.0725514
N (convert to atoms/g soln)-	7.80638E+13
Moles of 233U in g of soln	1.2961E-10
Grams (convert moles to g)	3.02042E-08
233U ppb	30.20415929

Sample-	E-I-C*pH5.50*a
CPMB	477.172
233U added (g)	0.4983
U233 corrected-	957.5998395
N (convert to atoms/g soln)-	1.10735E+14
Moles of 233U in g of soln	1.83853E-10
Grams (convert moles to g)	4.2845E-08
233U ppb	42.84502166

Sample-	E-I-C*pH5.50*b
CPMB	463.522
233U added (g)	0.4976
U233 corrected-	931.5152733
N (convert to atoms/g soln)-	1.07718E+14
Moles of 233U in g of soln	1.78845E-10
Grams (convert moles to g)	4.16779E-08
233U ppb	41.67794356

Sample-	E-I-C*pH6.00*a
CPMB	345.707
233U added (g)	0.4979
U233 corrected-	694.3301868
N (convert to atoms/g soln)-	8.02907E+13
Moles of 233U in g of soln	1.33307E-10
Grams (convert moles to g)	3.10658E-08
233U ppb	31.06578621

Sample-	E-I-C*pH6.00*b
CPMB	334.633
233U added (g)	0.4972
U233 corrected-	673.034996
N (convert to atoms/g soln)-	7.78282E+13
Moles of 233U in g of soln	1.29218E-10
Grams (convert moles to g)	3.0113E-08
233U ppb	30.11299479

Sample-	E-I-C*pH6.50*a
CPMB	485.181
233U added (g)	0.4988
U233 corrected-	972.6964715
N (convert to atoms/g soln)-	1.1248E+14
Moles of 233U in g of soln	1.86751E-10
Grams (convert moles to g)	4.35205E-08
233U ppb	43.52047658

Sample-	E-I-C*pH6.50*b
CPMB	485.499
233U added (g)	0.4958
U233 corrected-	979.2234772
N (convert to atoms/g soln)-	1.13235E+14
Moles of 233U in g of soln	1.88005E-10
Grams (convert moles to g)	4.38125E-08
233U ppb	43.81250848

Sample-	E-I-C*pH7.00*a
CPMB	536.173
233U added (g)	0.4976
U233 corrected-	1077.518087
N (convert to atoms/g soln)-	1.24602E+14
Moles of 233U in g of soln	2.06876E-10
Grams (convert moles to g)	4.82104E-08
233U ppb	48.2104151

Sample-	E-I-C*pH7.00*b
CPMB	533.401
233U added (g)	0.4971
U233 corrected-	1073.025548
N (convert to atoms/g soln)-	1.24082E+14
Moles of 233U in g of soln	2.06014E-10
Grams (convert moles to g)	4.80094E-08
233U ppb	48.00940952

Sample-	E-I-C*pH7.50*a
CPMB	553.753
233U added (g)	0.4974
U233 corrected-	1113.295135
N (convert to atoms/g soln)-	1.28739E+14
Moles of 233U in g of soln	2.13745E-10
Grams (convert moles to g)	4.98112E-08
233U ppb	49.81115513

Sample-	E-I-C*pH7.50*b
CPMB	552.36
233U added (g)	0.4963
U233 corrected-	1112.955873
N (convert to atoms/g soln)-	1.287E+14
Moles of 233U in g of soln	2.1368E-10
Grams (convert moles to g)	4.9796E-08
233U ppb	49.79597587

Sample-	E-I-C*pH8.00*a
CPMB	560.569
233U added (g)	0.498
U233 corrected-	1125.640562
N (convert to atoms/g soln)-	1.30166E+14
Moles of 233U in g of soln	2.16116E-10
Grams (convert moles to g)	5.03635E-08
233U ppb	50.3635154

Sample-	E-I-C*pH8.00*b
CPMB	554.201
233U added (g)	0.4956
U233 corrected-	1118.242534
N (convert to atoms/g soln)-	1.29311E+14
Moles of 233U in g of soln	2.14695E-10
Grams (convert moles to g)	5.00325E-08
233U ppb	50.03251215

Sample-	E-I-C*pH9.50*a
CPMB	402.267
233U added (g)	0.548
U233 corrected-	734.0638686
N (convert to atoms/g soln)-	8.48854E+13
Moles of 233U in g of soln	1.40935E-10
Grams (convert moles to g)	3.28436E-08
233U ppb	32.84355432

Sample-	E-I-C*pH9.50*b
CPMB	395.622
233U added (g)	0.5514
U233 corrected-	717.4863983
N (convert to atoms/g soln)-	8.29685E+13
Moles of 233U in g of soln	1.37753E-10
Grams (convert moles to g)	3.21018E-08
233U ppb	32.10184359

Protocol #:23 U-233 3% 2 sigma User : Jim Prikryl

Time: 999.99
Data Mode: CPM Nuclide: MANUAL
Background Subtract: 1st Vial

	LL	UL	LCR	2S%	BKG
Region A:	0.0 -	100	0	0.3	18.45
Region B:	100 -	350	0	3.0	3.21
Region C:	0.0 -	2000	0	0.1	27.57

Quench Indicator: SIS
alpha cpm U-233 1st vial bkgnd
Coincidence Time(ns): 18
Delay Before Burst(ns): Normal

S#	TIME	CPMA	A:2S%	CPMB	B:2S%	CPMC	C:2S%	SIS	FLAG
1	999.99	18.45	1.47	3.205	3.53	27.57	1.20	143.95	B
1 MISSING TUBE(S)									
3	3.96	9.58	55.64	1120.785	3.01	1133.29	3.02	690.10	
4	3.92	3.48	136.0	1131.999	3.01	1140.03	3.03	692.23	
5	3.96	6.29	79.56	1120.027	3.01	1129.50	3.03	695.24	
6	3.95	9.90	54.19	1121.858	3.01	1131.16	3.03	691.84	
7	4.03	5.62	87.18	1099.773	3.01	1105.68	3.03	693.15	
8	4.12	6.06	80.62	1076.407	3.01	1083.59	3.03	695.84	
9	4.10	4.96	96.51	1082.161	3.01	1089.74	3.03	694.43	
10	3.99	4.10	116.1	1111.582	3.01	1114.28	3.04	693.77	
11	4.08	3.11	147.9	1086.746	3.01	1091.05	3.04	698.21	
12	4.01	5.74	85.78	1107.767	3.01	1115.07	3.03	697.40	
13	4.04	1.35	329.1	1097.537	3.01	1100.40	3.04	696.23	
14	4.04	6.05	81.53	1099.518	3.01	1105.60	3.03	695.75	
15	4.23	12.04	44.65	1048.804	3.01	1060.61	3.02	692.93	
16	4.15	3.71	124.7	1071.494	3.00	1076.52	3.03	698.19	
17	4.28	4.68	99.59	1036.047	3.01	1042.52	3.03	693.45	
18	4.30	6.66	72.67	1032.144	3.01	1039.87	3.03	694.80	
19	4.45	3.34	132.6	995.896	3.01	1000.97	3.04	701.39	
20	4.57	2.11	201.1	971.193	3.01	974.18	3.04	699.91	
21	4.45	0.20	2078	995.447	3.01	995.57	3.05	698.85	
22	4.52	5.22	87.86	981.308	3.01	987.69	3.03	695.53	
23	4.30	5.27	89.34	1030.283	3.01	1034.98	3.04	695.41	
24	4.24	1.59	273.5	1047.031	3.01	1050.02	3.04	696.20	
25	4.60	5.89	78.21	963.534	3.01	970.47	3.04	695.89	
26	4.48	4.54	100.0	989.652	3.01	997.20	3.03	696.97	
27	4.37	3.06	145.5	1016.246	3.01	1019.80	3.04	696.05	
28	4.25	5.08	92.88	1044.560	3.01	1051.25	3.03	697.53	
29	4.63	2.28	186.0	957.486	3.01	961.41	3.04	695.69	
30	4.63	5.09	88.80	957.054	3.01	962.92	3.04	695.78	
31	5.07	4.62	92.49	875.690	3.01	882.09	3.04	693.72	
32	5.06	3.68	113.9	877.032	3.01	883.49	3.04	697.97	
33	4.62	4.49	99.46	959.782	3.01	965.93	3.04	694.37	
34	4.62	3.62	120.9	961.297	3.01	967.88	3.03	697.28	
35	4.91	3.95	108.4	904.331	3.01	909.29	3.04	694.03	
36	4.86	5.21	84.89	911.198	3.01	916.67	3.04	694.62	
37	5.22	3.58	115.1	848.136	3.01	852.31	3.05	696.20	
38	5.39	5.85	72.74	822.398	3.01	830.50	3.04	693.71	
39	4.98	7.25	62.79	889.968	3.01	898.53	3.04	691.25	
40	5.12	4.59	92.58	866.326	3.01	872.23	3.04	694.05	
41	4.52	4.78	95.11	980.645	3.01	988.80	3.03	694.76	

Protocol #:23 U-233 3% 2 sigma User : Jim Prikryl

S#	TIME	CPMA	A:2S%	CPMB	B:2S%	CPMC	C:2S%	SIS	FLAG
42	4.59	6.16	75.27	965.422	3.01	972.21	3.04	692.99	
43	4.14	7.15	69.67	1070.950	3.01	1077.98	3.03	693.95	
44	4.18	2.60	173.1	1060.910	3.01	1064.29	3.04	698.78	
45	4.05	6.24	79.29	1094.079	3.01	1102.30	3.03	691.42	
46	3.91	4.56	106.5	1134.647	3.01	1140.97	3.03	695.28	
47	3.96	6.80	74.40	1119.522	3.01	1126.97	3.03	696.91	
48	3.94	2.61	177.4	1127.506	3.00	1132.07	3.03	696.57	
49	3.91	8.40	62.48	1133.368	3.01	1144.04	3.03	689.96	
50	3.93	0.00	0.00	1129.365	3.01	1128.15	3.04	697.43	
51	3.83	10.27	53.41	1157.369	3.01	1168.25	3.03	689.70	
52	3.78	4.30	114.4	1173.250	3.01	1178.51	3.03	694.40	
53	3.81	5.69	88.57	1163.987	3.01	1170.59	3.03	691.53	
54	3.90	7.96	65.51	1137.308	3.01	1146.53	3.03	692.33	
55	3.87	10.23	53.30	1145.891	3.01	1158.73	3.02	687.16	
56	4.04	8.53	60.70	1098.033	3.01	1109.06	3.02	692.69	
57	3.93	5.97	83.60	1128.602	3.01	1135.79	3.03	691.81	
58	4.03	5.62	87.18	1101.013	3.01	1109.15	3.03	692.24	
59	3.92	7.31	70.23	1131.744	3.01	1140.79	3.03	701.47	
60	4.07	10.05	52.75	1089.915	3.01	1101.42	3.02	695.53	
61	5.50	17.55	29.20	804.977	3.01	825.34	3.02	749.69	
62	5.25	15.07	33.59	845.557	3.01	864.24	3.02	753.00	
2 MISSING TUBE(S)									
65	5.60	6.01	69.70	791.616	3.01	797.61	3.04	701.30	
66	5.48	4.36	93.88	807.926	3.01	813.12	3.05	705.78	
67	5.22	1.66	237.0	849.094	3.01	850.78	3.05	705.85	
68	5.23	5.26	81.20	847.847	3.01	851.97	3.04	702.35	
69	5.21	0.00	0.00	850.154	3.01	850.55	3.05	707.35	
70	5.27	1.85	212.8	841.008	3.01	843.77	3.05	705.06	
71	5.05	10.65	45.14	877.587	3.01	889.65	3.03	710.29	
72	5.14	7.42	60.58	861.581	3.01	871.45	3.04	710.36	
73	5.11	7.38	61.06	866.854	3.01	875.17	3.04	719.49	
74	5.11	3.27	126.5	868.028	3.01	871.06	3.05	719.28	
75	4.88	8.39	56.00	907.656	3.01	918.94	3.03	716.27	
76	4.67	14.09	37.51	949.258	3.01	962.79	3.03	712.45	
77	4.50	3.55	125.0	987.239	3.01	992.65	3.03	719.68	
78	4.41	5.58	83.79	1004.732	3.01	1013.47	3.03	718.60	
79	4.11	13.66	40.97	1081.223	3.00	1096.03	3.02	707.10	
80	4.26	7.37	66.94	1041.630	3.01	1051.53	3.03	710.56	
81	3.11	11.13	55.48	1426.055	3.01	1437.38	3.02	724.70	
82	3.11	10.48	58.25	1427.020	3.01	1440.92	3.02	722.43	
83	3.07	7.28	79.64	1448.261	3.00	1455.81	3.02	720.31	
84	3.10	5.09	108.3	1433.569	3.00	1439.20	3.02	722.43	
85	3.33	11.28	53.05	1334.032	3.00	1346.30	3.02	717.23	
86	3.39	11.04	53.47	1308.889	3.01	1321.10	3.02	714.99	
87	2.75	9.91	64.88	1616.431	3.00	1627.70	3.01	721.30	
88	2.81	13.22	50.84	1579.357	3.01	1593.78	3.01	717.44	
89	3.14	13.71	46.73	1412.400	3.01	1426.25	3.02	725.46	
90	3.20	11.55	53.09	1387.420	3.01	1400.24	3.02	727.57	
91	2.59	19.38	39.46	1718.031	3.00	1738.45	3.00	714.53	
92	2.70	13.40	51.31	1643.832	3.00	1658.35	3.01	715.26	
93	2.11	14.72	53.90	2105.800	3.00	2126.93	3.00	717.77	
94	2.12	11.73	64.36	2097.739	3.00	2110.63	3.01	715.70	
95	2.29	12.11	60.36	1938.716	3.00	1951.03	3.01	720.84	
96	2.33	13.73	54.16	1910.529	3.00	1924.36	3.01	723.36	
97	2.17	15.65	50.70	2048.869	3.00	2063.67	3.01	718.12	
98	2.18	18.24	45.00	2039.914	3.00	2060.04	3.00	713.21	

Sample-	E-IF*pH2.00*a
CPMB	1120.785
233U added (g)	1.0138
U233 corrected-	1105.528704
N (convert to atoms/g soln)-	1.27841E+14
Moles of 233U in g of soln	2.12254E-10
Grams (convert moles to g)	4.94637E-08
233U ppb	49.46366875

Sample-	E-IF*pH2.00*b
CPMB	1131.999
233U added (g)	1.0143
U233 corrected-	1116.039633
N (convert to atoms/g soln)-	1.29056E+14
Moles of 233U in g of soln	2.14272E-10
Grams (convert moles to g)	4.99339E-08
233U ppb	49.93394974

Sample-	E-IF*pH2.25*a
CPMB	1120.027
233U added (g)	1.0031
U233 corrected-	1116.565646
N (convert to atoms/g soln)-	1.29117E+14
Moles of 233U in g of soln	2.14373E-10
Grams (convert moles to g)	4.99575E-08
233U ppb	49.95748467

Sample-	E-IF*pH2.25*b
CPMB	1121.858
233U added (g)	1.0032
U233 corrected-	1118.279506
N (convert to atoms/g soln)-	1.29315E+14
Moles of 233U in g of soln	2.14702E-10
Grams (convert moles to g)	5.00342E-08
233U ppb	50.03416632

Sample-	E-IF*pH2.50*a
CPMB	1099.773
233U added (g)	1.0041
U233 corrected-	1095.282342
N (convert to atoms/g soln)-	1.26656E+14
Moles of 233U in g of soln	2.10287E-10
Grams (convert moles to g)	4.90052E-08
233U ppb	49.00522509

Sample-	E-IF*pH2.50*b
CPMB	1076.407
233U added (g)	1.0026
U233 corrected-	1073.615599
N (convert to atoms/g soln)-	1.2415E+14
Moles of 233U in g of soln	2.06127E-10
Grams (convert moles to g)	4.80358E-08
233U ppb	48.03580965

Sample-	E-IF*pH2.75*a
CPMB	1082.161
233U added (g)	0.9982
U233 corrected-	1084.112402
N (convert to atoms/g soln)-	1.25364E+14
Moles of 233U in g of soln	2.08143E-10
Grams (convert moles to g)	4.85055E-08
233U ppb	48.50545859

Sample-	E-IF*pH2.75*b
CPMB	1111.582
233U added (g)	1.002
U233 corrected-	1109.363273
N (convert to atoms/g soln)-	1.28284E+14
Moles of 233U in g of soln	2.12991E-10
Grams (convert moles to g)	4.96352E-08
233U ppb	49.63523543

Sample-	E-IF*pH3.00*a
CPMB	1086.746
233U added (g)	1.0063
U233 corrected-	1079.942363
N (convert to atoms/g soln)-	1.24882E+14
Moles of 233U in g of soln	2.07342E-10
Grams (convert moles to g)	4.83189E-08
233U ppb	48.3188823

Sample-	E-IF*pH3.00*b
CPMB	1107.767
233U added (g)	0.9983
U233 corrected-	1109.653411
N (convert to atoms/g soln)-	1.28318E+14
Moles of 233U in g of soln	2.13046E-10
Grams (convert moles to g)	4.96482E-08
233U ppb	49.64821678

Sample-	E-IF*pH3.25*a
CPMB	1097.537
233U added (g)	1.0035
U233 corrected-	1093.709018
N (convert to atoms/g soln)-	1.26474E+14
Moles of 233U in g of soln	2.09985E-10
Grams (convert moles to g)	4.89348E-08
233U ppb	48.93483128

Sample-	E-IF*pH3.25*b
CPMB	1099.518
233U added (g)	1.0036
U233 corrected-	1095.573934
N (convert to atoms/g soln)-	1.2669E+14
Moles of 233U in g of soln	2.10343E-10
Grams (convert moles to g)	4.90183E-08
233U ppb	49.0182715

Sample-	E-IF*pH3.50*a
CPMB	1048.804
233U added (g)	1.0001
U233 corrected-	1048.69913
N (convert to atoms/g soln)-	1.21269E+14
Moles of 233U in g of soln	2.01343E-10
Grams (convert moles to g)	4.6921E-08
233U ppb	46.92099464

Sample-	E-IF*pH3.50*b
CPMB	1071.494
233U added (g)	0.9997
U233 corrected-	1071.815545
N (convert to atoms/g soln)-	1.23942E+14
Moles of 233U in g of soln	2.05782E-10
Grams (convert moles to g)	4.79553E-08
233U ppb	47.95527143

Sample-	E-IF*pH3.75*a
CPMB	1036.047
233U added (g)	0.9995
U233 corrected-	1036.565283
N (convert to atoms/g soln)-	1.19866E+14
Moles of 233U in g of soln	1.99014E-10
Grams (convert moles to g)	4.63781E-08
233U ppb	46.37810091

Sample-	E-IF*pH3.75*b
CPMB	1032.144
233U added (g)	1.0008
U233 corrected-	1031.318945
N (convert to atoms/g soln)-	1.19259E+14
Moles of 233U in g of soln	1.98007E-10
Grams (convert moles to g)	4.61434E-08
233U ppb	46.14336877

Sample-	E-IF*pH4.00*a
CPMB	995.896
233U added (g)	1.0027
U233 corrected-	993.2143213
N (convert to atoms/g soln)-	1.14853E+14
Moles of 233U in g of soln	1.90691E-10
Grams (convert moles to g)	4.44385E-08
233U ppb	44.43848814

Sample-	E-IF*pH4.00*b
CPMB	971.193
233U added (g)	1.0022
U233 corrected-	969.0610657
N (convert to atoms/g soln)-	1.1206E+14
Moles of 233U in g of soln	1.86053E-10
Grams (convert moles to g)	4.33578E-08
233U ppb	43.35782091

Sample-	E-IF*pH4.25*a
CPMB	995.447
233U added (g)	1.0004
U233 corrected-	995.0489804
N (convert to atoms/g soln)-	1.15065E+14
Moles of 233U in g of soln	1.91043E-10
Grams (convert moles to g)	4.45206E-08
233U ppb	44.52057463

Sample-	E-IF*pH4.25*b
CPMB	981.308
233U added (g)	0.9997
U233 corrected-	981.6024807
N (convert to atoms/g soln)-	1.1351E+14
Moles of 233U in g of soln	1.88461E-10
Grams (convert moles to g)	4.3919E-08
233U ppb	43.91895008

Sample-	E-IF*pH4.50*a
CPMB	1030.283
233U added (g)	1.001
U233 corrected-	1029.253746
N (convert to atoms/g soln)-	1.19021E+14
Moles of 233U in g of soln	1.9761E-10
Grams (convert moles to g)	4.6051E-08
233U ppb	46.05096746

Sample-	E-IF*pH4.50*b
CPMB	1047.031
233U added (g)	1.0011
U233 corrected-	1045.880531
N (convert to atoms/g soln)-	1.20943E+14
Moles of 233U in g of soln	2.00802E-10
Grams (convert moles to g)	4.67949E-08
233U ppb	46.79488464

Sample-	E-IF*pH4.75*a
CPMB	963.534
233U added (g)	1.0069
U233 corrected-	956.9311749
N (convert to atoms/g soln)-	1.10657E+14
Moles of 233U in g of soln	1.83725E-10
Grams (convert moles to g)	4.28151E-08
233U ppb	42.8151042

Sample-	E-IF*pH4.75*b
CPMB	989.652
233U added (g)	0.998
U233 corrected-	991.6352705
N (convert to atoms/g soln)-	1.1467E+14
Moles of 233U in g of soln	1.90388E-10
Grams (convert moles to g)	4.43678E-08
233U ppb	44.3678381

Sample-	E-IF*pH5.00*a
CPMB	1016.246
233U added (g)	1.0045
U233 corrected-	1011.69338
N (convert to atoms/g soln)-	1.1699E+14
Moles of 233U in g of soln	1.94239E-10
Grams (convert moles to g)	4.52653E-08
233U ppb	45.2652799

Sample-	E-IF*pH5.00*b
CPMB	1044.56
233U added (g)	1.0013
U233 corrected-	1043.203835
N (convert to atoms/g soln)-	1.20634E+14
Moles of 233U in g of soln	2.00288E-10
Grams (convert moles to g)	4.66751E-08
233U ppb	46.67512364

Sample-	E-IF*pH5.25*a
CPMB	957.486
233U added (g)	1.0034
U233 corrected-	954.2415786
N (convert to atoms/g soln)-	1.10346E+14
Moles of 233U in g of soln	1.83208E-10
Grams (convert moles to g)	4.26948E-08
233U ppb	42.69476604

Sample-	E-IF*pH5.25*b
CPMB	957.054
233U added (g)	1.0012
U233 corrected-	955.9069117
N (convert to atoms/g soln)-	1.10539E+14
Moles of 233U in g of soln	1.83528E-10
Grams (convert moles to g)	4.27693E-08
233U ppb	42.76927652

Sample-	E-IF*pH5.50*a
CPMB	875.69
233U added (g)	0.9996
U233 corrected-	876.0404162
N (convert to atoms/g soln)-	1.01303E+14
Moles of 233U in g of soln	1.68194E-10
Grams (convert moles to g)	3.91959E-08
233U ppb	39.1958823

Sample-	E-IF*pH5.50*b
CPMB	877.032
233U added (g)	0.9986
U233 corrected-	878.2615662
N (convert to atoms/g soln)-	1.0156E+14
Moles of 233U in g of soln	1.68621E-10
Grams (convert moles to g)	3.92953E-08
233U ppb	39.29526121

Sample-	E-IF*pH5.75*a
CPMB	959.782
233U added (g)	0.9973
U233 corrected-	962.3804272
N (convert to atoms/g soln)-	1.11287E+14
Moles of 233U in g of soln	1.84771E-10
Grams (convert moles to g)	4.30589E-08
233U ppb	43.05891516

Sample-	E-IF*pH5.75*b
CPMB	961.297
233U added (g)	0.9983
U233 corrected-	962.9339878
N (convert to atoms/g soln)-	1.11351E+14
Moles of 233U in g of soln	1.84877E-10
Grams (convert moles to g)	4.30837E-08
233U ppb	43.08368262

Sample-	E-IF*pH6.00*a
CPMB	904.331
233U added (g)	1.0027
U233 corrected-	901.8958811
N (convert to atoms/g soln)-	1.04293E+14
Moles of 233U in g of soln	1.73158E-10
Grams (convert moles to g)	4.03527E-08
233U ppb	40.35270994

Sample-	E-IF*pH6.00*b
CPMB	911.198
233U added (g)	1.0021
U233 corrected-	909.2884942
N (convert to atoms/g soln)-	1.05148E+14
Moles of 233U in g of soln	1.74577E-10
Grams (convert moles to g)	4.06835E-08
233U ppb	40.68347092

Sample-	E-IF*pH6.25*a
CPMB	848.136
233U added (g)	1.0032
U233 corrected-	845.430622
N (convert to atoms/g soln)-	9.77636E+13
Moles of 233U in g of soln	1.62317E-10
Grams (convert moles to g)	3.78263E-08
233U ppb	37.82633603

Sample-	E-IF*pH6.25*b
CPMB	822.398
233U added (g)	0.996
U233 corrected-	825.7008032
N (convert to atoms/g soln)-	9.54821E+13
Moles of 233U in g of soln	1.58529E-10
Grams (convert moles to g)	3.69436E-08
233U ppb	36.94358263

Sample-	E-IF*pH6.50*a
CPMB	889.968
233U added (g)	1.002
U233 corrected-	888.1916168
N (convert to atoms/g soln)-	1.02708E+14
Moles of 233U in g of soln	1.70527E-10
Grams (convert moles to g)	3.97396E-08
233U ppb	39.73955246

Sample-	E-IF*pH6.50*b
CPMB	866.326
233U added (g)	0.9967
U233 corrected-	869.1943413
N (convert to atoms/g soln)-	1.00512E+14
Moles of 233U in g of soln	1.6688E-10
Grams (convert moles to g)	3.88896E-08
233U ppb	38.88957458

Sample-	E-IF*pH6.75*a
CPMB	980.645
233U added (g)	1.0013
U233 corrected-	979.3718166
N (convert to atoms/g soln)-	1.13252E+14
Moles of 233U in g of soln	1.88033E-10
Grams (convert moles to g)	4.38191E-08
233U ppb	43.8191455

Sample-	E-IF*pH6.75*b
CPMB	965.422
233U added (g)	0.9926
U233 corrected-	972.6193834
N (convert to atoms/g soln)-	1.12471E+14
Moles of 233U in g of soln	1.86737E-10
Grams (convert moles to g)	4.3517E-08
233U ppb	43.5170275

Sample-	E-IF*pH7.00*a
CPMB	1070.95
233U added (g)	1.005
U233 corrected-	1065.621891
N (convert to atoms/g soln)-	1.23226E+14
Moles of 233U in g of soln	2.04592E-10
Grams (convert moles to g)	4.76782E-08
233U ppb	47.67815438

Sample-	E-IF*pH7.00*b
CPMB	1060.91
233U added (g)	0.9976
U233 corrected-	1063.46231
N (convert to atoms/g soln)-	1.22976E+14
Moles of 233U in g of soln	2.04178E-10
Grams (convert moles to g)	4.75815E-08
233U ppb	47.5815302

Sample-	E-IF*pH7.25*a
CPMB	1094.079
233U added (g)	1.0054
U233 corrected-	1088.202705
N (convert to atoms/g soln)-	1.25837E+14
Moles of 233U in g of soln	2.08928E-10
Grams (convert moles to g)	4.86885E-08
233U ppb	48.68846731

Sample-	E-IF*pH7.25*b
CPMB	1134.647
233U added (g)	1.0021
U233 corrected-	1132.269235
N (convert to atoms/g soln)-	1.30933E+14
Moles of 233U in g of soln	2.17388E-10
Grams (convert moles to g)	5.06601E-08
233U ppb	50.66009608

Sample-	E-IF*pH7.50*a
CPMB	1119.522
233U added (g)	1.0049
U233 corrected-	1114.063091
N (convert to atoms/g soln)-	1.28828E+14
Moles of 233U in g of soln	2.13893E-10
Grams (convert moles to g)	4.98455E-08
233U ppb	49.8455151

Sample-	E-IF*pH7.50*b
CPMB	1127.506
233U added (g)	1.003
U233 corrected-	1124.133599
N (convert to atoms/g soln)-	1.29992E+14
Moles of 233U in g of soln	2.15826E-10
Grams (convert moles to g)	5.02961E-08
233U ppb	50.29609072

Sample-	E-IF*pH7.75*a
CPMB	1133.368
233U added (g)	1.0085
U233 corrected-	1123.815568
N (convert to atoms/g soln)-	1.29955E+14
Moles of 233U in g of soln	2.15765E-10
Grams (convert moles to g)	5.02819E-08
233U ppb	50.28186133

Sample-	E-IF*pH7.75*b
CPMB	1129.365
233U added (g)	1.0053
U233 corrected-	1123.410922
N (convert to atoms/g soln)-	1.29909E+14
Moles of 233U in g of soln	2.15688E-10
Grams (convert moles to g)	5.02638E-08
233U ppb	50.26375664

Sample-	E-IF*pH8.00*a
CPMB	1157.369
233U added (g)	1.0099
U233 corrected-	1146.023369
N (convert to atoms/g soln)-	1.32523E+14
Moles of 233U in g of soln	2.20029E-10
Grams (convert moles to g)	5.12755E-08
233U ppb	51.27548484

Sample-	E-IF*pH8.00*b
CPMB	1173.25
233U added (g)	1.0041
U233 corrected-	1168.459317
N (convert to atoms/g soln)-	1.35118E+14
Moles of 233U in g of soln	2.24337E-10
Grams (convert moles to g)	5.22793E-08
233U ppb	52.27931613

Sample-	E-IF*pH8.25*a
CPMB	1163.987
233U added (g)	1.0049
U233 corrected-	1158.311275
N (convert to atoms/g soln)-	1.33944E+14
Moles of 233U in g of soln	2.22388E-10
Grams (convert moles to g)	5.18253E-08
233U ppb	51.82527148

Sample-	E-IF*pH8.25*b
CPMB	1137.308
233U added (g)	1.001
U233 corrected-	1136.171828
N (convert to atoms/g soln)-	1.31384E+14
Moles of 233U in g of soln	2.18138E-10
Grams (convert moles to g)	5.08347E-08
233U ppb	50.83470629

Sample-	E-IF*pH8.50*a
CPMB	1145.891
233U added (g)	1.0051
U233 corrected-	1140.076609
N (convert to atoms/g soln)-	1.31836E+14
Moles of 233U in g of soln	2.18887E-10
Grams (convert moles to g)	5.10094E-08
233U ppb	51.00941437

Sample-	E-IF*pH8.50*b
CPMB	1098.033
233U added (g)	1.0005
U233 corrected-	1097.484258
N (convert to atoms/g soln)-	1.26911E+14
Moles of 233U in g of soln	2.1071E-10
Grams (convert moles to g)	4.91037E-08
233U ppb	49.1037434

Sample-	E-IF*pH8.75*a
CPMB	1128.602
233U added (g)	1.0058
U233 corrected-	1122.093856
N (convert to atoms/g soln)-	1.29756E+14
Moles of 233U in g of soln	2.15435E-10
Grams (convert moles to g)	5.02048E-08
233U ppb	50.20482833

Sample-	E-IF*pH8.75*b
CPMB	1101.013
233U added (g)	1.0044
U233 corrected-	1096.189765
N (convert to atoms/g soln)-	1.26761E+14
Moles of 233U in g of soln	2.10461E-10
Grams (convert moles to g)	4.90458E-08
233U ppb	49.04582508

Sample-	E-IF*pH9.00*a
CPMB	1131.744
233U added (g)	1.0178
U233 corrected-	1111.951267
N (convert to atoms/g soln)-	1.28583E+14
Moles of 233U in g of soln	2.13487E-10
Grams (convert moles to g)	4.9751E-08
233U ppb	49.75102769

Sample-	E-IF*pH9.00*b
CPMB	1089.915
233U added (g)	1.0144
U233 corrected-	1074.443021
N (convert to atoms/g soln)-	1.24246E+14
Moles of 233U in g of soln	2.06286E-10
Grams (convert moles to g)	4.80728E-08
233U ppb	48.0728302

Sample-	E-IF*pH9.25*a
CPMB	804.977
233U added (g)	1.0534
U233 corrected-	764.1703057
N (convert to atoms/g soln)-	8.83669E+13
Moles of 233U in g of soln	1.46716E-10
Grams (convert moles to g)	3.41906E-08
233U ppb	34.19057935

Sample-	E-IF*pH9.25*b
CPMB	845.557
233U added (g)	1.0535
U233 corrected-	802.616991
N (convert to atoms/g soln)-	9.28128E+13
Moles of 233U in g of soln	1.54097E-10
Grams (convert moles to g)	3.59108E-08
233U ppb	35.91076454

Protocol #:23 U-233 3% 2 sigma User : Jim Prikryl

S#	TIME	CPMA	A:2S%	CPMB	B:2S%	CPMC	C:2S%	SIS	FLAG
42	4.59	6.16	75.27	965.422	3.01	972.21	3.04	692.99	
43	4.14	7.15	69.67	1070.950	3.01	1077.98	3.03	693.95	
44	4.18	2.60	173.1	1060.910	3.01	1064.29	3.04	698.78	
45	4.05	6.24	79.29	1094.079	3.01	1102.30	3.03	691.42	
46	3.91	4.56	106.5	1134.647	3.01	1140.97	3.03	695.28	
47	3.96	6.80	74.40	1119.522	3.01	1126.97	3.03	696.91	
48	3.94	2.61	177.4	1127.506	3.00	1132.07	3.03	696.57	
49	3.91	8.40	62.48	1133.368	3.01	1144.04	3.03	689.96	
50	3.93	0.00	0.00	1129.365	3.01	1128.15	3.04	697.43	
51	3.83	10.27	53.41	1157.369	3.01	1168.25	3.03	689.70	
52	3.78	4.30	114.4	1173.250	3.01	1178.51	3.03	694.40	
53	3.81	5.69	88.57	1163.987	3.01	1170.59	3.03	691.53	
54	3.90	7.96	65.51	1137.308	3.01	1146.53	3.03	692.33	
55	3.87	10.23	53.30	1145.891	3.01	1158.73	3.02	687.16	
56	4.04	8.53	60.70	1098.033	3.01	1109.06	3.02	692.69	
57	3.93	5.97	83.60	1128.602	3.01	1135.79	3.03	691.81	
58	4.03	5.62	87.18	1101.013	3.01	1109.15	3.03	692.24	
59	3.92	7.31	70.23	1131.744	3.01	1140.79	3.03	701.47	
60	4.07	10.05	52.75	1089.915	3.01	1101.42	3.02	695.53	
61	5.50	17.55	29.20	804.977	3.01	825.34	3.02	749.69	
62	5.25	15.07	33.59	845.557	3.01	864.24	3.02	753.00	
2 MISSING TUBE(S)									
65	5.60	6.01	69.70	791.616	3.01	797.61	3.04	701.30	
66	5.48	4.36	93.88	807.926	3.01	813.12	3.05	705.78	
67	5.22	1.66	237.0	849.094	3.01	850.78	3.05	705.85	
68	5.23	5.26	81.20	847.847	3.01	851.97	3.04	702.35	
69	5.21	0.00	0.00	850.154	3.01	850.55	3.05	707.35	
70	5.27	1.85	212.8	841.008	3.01	843.77	3.05	705.06	
71	5.05	10.65	45.14	877.587	3.01	889.65	3.03	710.29	
72	5.14	7.42	60.58	861.581	3.01	871.45	3.04	710.36	
73	5.11	7.38	61.06	866.854	3.01	875.17	3.04	719.49	
74	5.11	3.27	126.5	868.028	3.01	871.06	3.05	719.28	
75	4.88	8.39	56.00	907.656	3.01	918.94	3.03	716.27	
76	4.67	14.09	37.51	949.258	3.01	962.79	3.03	712.45	
77	4.50	3.55	125.0	987.239	3.01	992.65	3.03	719.68	
78	4.41	5.58	83.79	1004.732	3.01	1013.47	3.03	718.60	
79	4.11	13.66	40.97	1081.223	3.00	1096.03	3.02	707.10	
80	4.26	7.37	66.94	1041.630	3.01	1051.53	3.03	710.56	
81	3.11	11.13	55.48	1426.055	3.01	1437.38	3.02	724.70	
82	3.11	10.48	58.25	1427.020	3.01	1440.92	3.02	722.43	
83	3.07	7.28	79.64	1448.261	3.00	1455.81	3.02	720.31	
84	3.10	5.09	108.3	1433.569	3.00	1439.20	3.02	722.43	
85	3.33	11.28	53.05	1334.032	3.00	1346.30	3.02	717.23	
86	3.39	11.04	53.47	1308.889	3.01	1321.10	3.02	714.99	
87	2.75	9.91	64.88	1616.431	3.00	1627.70	3.01	721.30	
88	2.81	13.22	50.84	1579.357	3.01	1593.78	3.01	717.44	
89	3.14	13.71	46.73	1412.400	3.01	1426.25	3.02	725.46	
90	3.20	11.55	53.09	1387.420	3.01	1400.24	3.02	727.57	
91	2.59	19.38	39.46	1718.031	3.00	1738.45	3.00	714.53	
92	2.70	13.40	51.31	1643.832	3.00	1658.35	3.01	715.26	
93	2.11	14.72	53.90	2105.800	3.00	2126.93	3.00	717.77	
94	2.12	11.73	64.36	2097.739	3.00	2110.63	3.01	715.70	
95	2.29	12.11	60.36	1938.716	3.00	1951.03	3.01	720.84	
96	2.33	13.73	54.16	1910.529	3.00	1924.36	3.01	723.36	
97	2.17	15.65	50.70	2048.869	3.00	2063.67	3.01	718.12	
98	2.18	18.24	45.00	2039.914	3.00	2060.04	3.00	713.21	

Protocol #:23 U-233 3% 2 sigma User : Jim Prikryl

S#	TIME	CPMA	A:2S%	CPMB	B:2S%	CPMC	C:2S%	SIS	FLAG
99	2.02	8.77	83.75	2208.676	3.00	2217.97	3.01	721.10	
100	2.03	16.03	51.45	2190.884	3.00	2210.36	3.00	715.43	
101	2.44	8.19	80.80	1820.975	3.00	1832.67	3.01	712.42	
102	2.44	9.82	69.36	1821.795	3.00	1833.49	3.01	711.72	
103	2.75	14.64	47.44	1615.340	3.00	1629.88	3.01	727.01	
104	2.69	16.86	43.01	1649.955	3.00	1667.59	3.01	723.95	
105	4.45	8.51	57.93	995.896	3.01	1006.36	3.03	717.33	
106	4.37	8.32	59.59	1014.644	3.01	1023.69	3.03	715.74	
107	5.25	4.97	85.11	843.843	3.01	849.95	3.04	708.64	
108	5.38	3.66	110.9	824.862	3.01	829.86	3.04	707.72	
109	5.93	4.48	88.00	747.385	3.01	753.37	3.05	719.91	
110	5.96	6.38	64.15	742.768	3.01	750.95	3.04	716.06	
111	5.86	2.19	171.5	755.669	3.01	759.97	3.05	711.44	
112	6.27	3.71	101.5	705.567	3.01	710.54	3.05	709.68	
113	6.95	0.83	404.4	636.795	3.01	638.90	3.07	715.54	
114	6.91	4.27	85.24	640.500	3.01	645.80	3.06	708.28	
115	6.04	4.39	88.75	733.219	3.01	737.00	3.05	703.52	
116	5.98	5.63	71.50	740.942	3.01	746.67	3.05	703.68	
117	6.60	1.09	316.4	670.886	3.01	671.52	3.07	706.42	
118	6.76	7.14	54.65	654.635	3.01	661.92	3.05	702.23	
119	5.72	3.57	110.1	774.068	3.01	778.55	3.05	714.33	
120	5.81	3.23	119.8	761.855	3.01	765.37	3.05	709.18	
121	6.42	2.73	133.5	689.630	3.01	695.64	3.05	724.05	
122	6.57	4.38	85.41	673.964	3.01	681.10	3.05	720.80	
123	6.27	3.56	105.7	706.364	3.01	711.02	3.05	699.20	
124	6.21	6.67	60.48	713.059	3.01	718.64	3.05	698.03	

SYSTEM NORMALIZED

C14 IPA DATA PROCESSED - 05-Oct-94 22:47
C14 Eff (0-156 keV) = 97.18 %
C14 CHI SQUARE IPA DATA PROCESSED - 05-Oct-94 22:58
C14 Chi Square = 22.33
H3 IPA DATA PROCESSED - 05-Oct-94 22:59
H3 Eff (0-18.6 keV) = 67.80 %
H3 CHI SQUARE IPA DATA PROCESSED - 05-Oct-94 23:10
H3 Chi Square = 10.38
BKG IPA DATA PROCESSED - 06-Oct-94 00:10
Bkg (0-18.6 keV) = 16.97 cpm
Bkg (0-156 keV) = 25.30 cpm
C14 E^2/B (1-156 keV) = 480.00
H3 E^2/B (1-18.6 keV) = 264.13
FATAL ERROR:
BACK PIN JAM FWD

Sample-	E-ID*pH2.00*a
CPMB	791.616
233U added (g)	1.0026
U233 corrected-	789.5631358
N (convert to atoms/g soln)-	9.13033E+13
Moles of 233U in g of soln	1.51591E-10
Grams (convert moles to g)	3.53267E-08
233U ppb	35.32670773

Sample-	E-ID*pH2.00*b
CPMB	807.926
233U added (g)	1.0004
U233 corrected-	807.6029588
N (convert to atoms/g soln)-	9.33893E+13
Moles of 233U in g of soln	1.55055E-10
Grams (convert moles to g)	3.61338E-08
233U ppb	36.13384718

Sample-	E-ID*pH2.25*a
CPMB	849.094
233U added (g)	1.0013
U233 corrected-	847.9916109
N (convert to atoms/g soln)-	9.80598E+13
Moles of 233U in g of soln	1.62809E-10
Grams (convert moles to g)	3.79409E-08
233U ppb	37.94092003

Sample-	E-ID*pH2.25*b
CPMB	847.847
233U added (g)	0.9973
U233 corrected-	850.1423844
N (convert to atoms/g soln)-	9.83085E+13
Moles of 233U in g of soln	1.63222E-10
Grams (convert moles to g)	3.80372E-08
233U ppb	38.03715014

Sample-	E-ID*pH2.50*a
CPMB	850.154
233U added (g)	1.0021
U233 corrected-	848.3724179
N (convert to atoms/g soln)-	9.81038E+13
Moles of 233U in g of soln	1.62882E-10
Grams (convert moles to g)	3.7958E-08
233U ppb	37.95795814

Sample-	E-ID*pH2.50*b
CPMB	841.008
233U added (g)	0.9947
U233 corrected-	845.4890922
N (convert to atoms/g soln)-	9.77704E+13
Moles of 233U in g of soln	1.62328E-10
Grams (convert moles to g)	3.7829E-08
233U ppb	37.82895211

Sample-	E-ID*pH2.75*a
CPMB	877.587
233U added (g)	0.9991
U233 corrected-	878.3775398
N (convert to atoms/g soln)-	1.01574E+14
Moles of 233U in g of soln	1.68643E-10
Grams (convert moles to g)	3.93005E-08
233U ppb	39.30045011

Sample-	E-ID*pH2.75*b
CPMB	861.581
233U added (g)	0.9932
U233 corrected-	867.4798631
N (convert to atoms/g soln)-	1.00313E+14
Moles of 233U in g of soln	1.6655E-10
Grams (convert moles to g)	3.88129E-08
233U ppb	38.81286524

Sample-	E-ID*pH3.00*a
CPMB	866.854
233U added (g)	1.0038
U233 corrected-	863.5724248
N (convert to atoms/g soln)-	9.98615E+13
Moles of 233U in g of soln	1.658E-10
Grams (convert moles to g)	3.8638E-08
233U ppb	38.63803827

Sample-	E-ID*pH3.00*b
CPMB	868.028
233U added (g)	0.9978
U233 corrected-	869.9418721
N (convert to atoms/g soln)-	1.00598E+14
Moles of 233U in g of soln	1.67023E-10
Grams (convert moles to g)	3.8923E-08
233U ppb	38.92302068

Sample-	E-ID*pH3.25*a
CPMB	907.656
233U added (g)	0.9976
U233 corrected-	909.8396151
N (convert to atoms/g soln)-	1.05212E+14
Moles of 233U in g of soln	1.74683E-10
Grams (convert moles to g)	4.07081E-08
233U ppb	40.70812923

Sample-	E-ID*pH3.25*b
CPMB	949.258
233U added (g)	0.9928
U233 corrected-	956.142224
N (convert to atoms/g soln)-	1.10566E+14
Moles of 233U in g of soln	1.83573E-10
Grams (convert moles to g)	4.27798E-08
233U ppb	42.77980489

Sample-	E-ID*pH3.50*a
CPMB	987.239
233U added (g)	0.9982
U233 corrected-	989.0192346
N (convert to atoms/g soln)-	1.14368E+14
Moles of 233U in g of soln	1.89885E-10
Grams (convert moles to g)	4.42508E-08
233U ppb	44.25079118

Sample-	E-ID*pH3.50*b
CPMB	1004.732
233U added (g)	0.9938
U233 corrected-	1011.000201
N (convert to atoms/g soln)-	1.1691E+14
Moles of 233U in g of soln	1.94105E-10
Grams (convert moles to g)	4.52343E-08
233U ppb	45.23426564

Sample-	E-ID*pH3.75*a
CPMB	1081.223
233U added (g)	1.0034
U233 corrected-	1077.559298
N (convert to atoms/g soln)-	1.24606E+14
Moles of 233U in g of soln	2.06884E-10
Grams (convert moles to g)	4.82123E-08
233U ppb	48.212259

Sample-	E-ID*pH3.75*b
CPMB	1041.63
233U added (g)	0.9954
U233 corrected-	1046.443641
N (convert to atoms/g soln)-	1.21008E+14
Moles of 233U in g of soln	2.0091E-10
Grams (convert moles to g)	4.68201E-08
233U ppb	46.82007933

Sample-	E-ID*pH4.00*a
CPMB	1426.055
233U added (g)	0.9977
U233 corrected-	1429.342488
N (convert to atoms/g soln)-	1.65286E+14
Moles of 233U in g of soln	2.74424E-10
Grams (convert moles to g)	6.39518E-08
233U ppb	63.95177538

Sample-	E-ID*pH4.00*b
CPMB	1427.02
233U added (g)	0.9945
U233 corrected-	1434.912016
N (convert to atoms/g soln)-	1.6593E+14
Moles of 233U in g of soln	2.75494E-10
Grams (convert moles to g)	6.4201E-08
233U ppb	64.20096774

Sample-	E-ID*pH4.25*a
CPMB	1448.261
233U added (g)	0.9963
U233 corrected-	1453.639466
N (convert to atoms/g soln)-	1.68096E+14
Moles of 233U in g of soln	2.79089E-10
Grams (convert moles to g)	6.50389E-08
233U ppb	65.03887306

Sample-	E-ID*pH4.25*b
CPMB	1433.569
233U added (g)	0.991
U233 corrected-	1446.588295
N (convert to atoms/g soln)-	1.6728E+14
Moles of 233U in g of soln	2.77736E-10
Grams (convert moles to g)	6.47234E-08
233U ppb	64.72338889

Sample-	E-ID*pH4.50*a
CPMB	1334.032
233U added (g)	0.9979
U233 corrected-	1336.839363
N (convert to atoms/g soln)-	1.54589E+14
Moles of 233U in g of soln	2.56664E-10
Grams (convert moles to g)	5.9813E-08
233U ppb	59.8129919

Sample-	E-ID*pH4.50*b
CPMB	1308.889
233U added (g)	0.9936
U233 corrected-	1317.319847
N (convert to atoms/g soln)-	1.52332E+14
Moles of 233U in g of soln	2.52917E-10
Grams (convert moles to g)	5.89396E-08
233U ppb	58.93964791

Sample-	E-ID*pH4.75*a
CPMB	1616.431
233U added (g)	0.9915
U233 corrected-	1630.288452
N (convert to atoms/g soln)-	1.88523E+14
Moles of 233U in g of soln	3.13005E-10
Grams (convert moles to g)	7.29425E-08
233U ppb	72.94251852

Sample-	E-ID*pH4.75*b
CPMB	1579.357
233U added (g)	0.9794
U233 corrected-	1612.576067
N (convert to atoms/g soln)-	1.86475E+14
Moles of 233U in g of soln	3.09604E-10
Grams (convert moles to g)	7.215E-08
233U ppb	72.15002934

Sample-	E-ID*pH5.00*a
CPMB	1412.4
233U added (g)	0.9974
U233 corrected-	1416.081813
N (convert to atoms/g soln)-	1.63752E+14
Moles of 233U in g of soln	2.71879E-10
Grams (convert moles to g)	6.33585E-08
233U ppb	63.35846502

Sample-	E-ID*pH5.00*b
CPMB	1387.42
233U added (g)	0.989
U233 corrected-	1402.851365
N (convert to atoms/g soln)-	1.62222E+14
Moles of 233U in g of soln	2.69338E-10
Grams (convert moles to g)	6.27665E-08
233U ppb	62.76650709

Sample-	E-ID*pH5.25*a
CPMB	1718.031
233U added (g)	0.9966
U233 corrected-	1723.892234
N (convert to atoms/g soln)-	1.99347E+14
Moles of 233U in g of soln	3.30976E-10
Grams (convert moles to g)	7.71305E-08
233U ppb	77.13054768

Sample-	E-ID*pH5.25*b
CPMB	1643.832
233U added (g)	0.9884
U233 corrected-	1663.124241
N (convert to atoms/g soln)-	1.9232E+14
Moles of 233U in g of soln	3.19309E-10
Grams (convert moles to g)	7.44117E-08
233U ppb	74.41166048

Sample-	E-ID*pH5.50*a
CPMB	2105.8
233U added (g)	0.9972
U233 corrected-	2111.712796
N (convert to atoms/g soln)-	2.44194E+14
Moles of 233U in g of soln	4.05435E-10
Grams (convert moles to g)	9.44825E-08
233U ppb	94.48245158

Sample-	E-ID*pH5.50*b
CPMB	2097.739
233U added (g)	0.9841
U233 corrected-	2131.631948
N (convert to atoms/g soln)-	2.46497E+14
Moles of 233U in g of soln	4.09259E-10
Grams (convert moles to g)	9.53737E-08
233U ppb	95.37367615

Sample-	E-ID*pH5.75*a
CPMB	1938.716
233U added (g)	1.0034
U233 corrected-	1932.146701
N (convert to atoms/g soln)-	2.23429E+14
Moles of 233U in g of soln	3.7096E-10
Grams (convert moles to g)	8.64483E-08
233U ppb	86.44828857

Sample-	E-ID*pH5.75*b
CPMB	1910.529
233U added (g)	0.9931
U233 corrected-	1923.803242
N (convert to atoms/g soln)-	2.22464E+14
Moles of 233U in g of soln	3.69358E-10
Grams (convert moles to g)	8.6075E-08
233U ppb	86.07498475

Sample-	E-ID*pH6.00*a
CPMB	2048.869
233U added (g)	0.9939
U233 corrected-	2061.443807
N (convert to atoms/g soln)-	2.38381E+14
Moles of 233U in g of soln	3.95784E-10
Grams (convert moles to g)	9.22333E-08
233U ppb	92.23331179

Sample-	E-ID*pH6.00*b
CPMB	2039.914
233U added (g)	0.9857
U233 corrected-	2069.507964
N (convert to atoms/g soln)-	2.39313E+14
Moles of 233U in g of soln	3.97332E-10
Grams (convert moles to g)	9.25941E-08
233U ppb	92.59411904

Sample-	E-ID*pH6.25*a
CPMB	2208.676
233U added (g)	0.9985
U233 corrected-	2211.993991
N (convert to atoms/g soln)-	2.5579E+14
Moles of 233U in g of soln	4.24688E-10
Grams (convert moles to g)	9.89692E-08
233U ppb	98.9692422

Sample-	E-ID*pH6.25*b
CPMB	2190.884
233U added (g)	0.9909
U233 corrected-	2211.004138
N (convert to atoms/g soln)-	2.55675E+14
Moles of 233U in g of soln	4.24498E-10
Grams (convert moles to g)	9.8925E-08
233U ppb	98.92495409

Sample-	E-ID*pH6.50*a
CPMB	1820.975
233U added (g)	0.9994
U233 corrected-	1822.068241
N (convert to atoms/g soln)-	2.107E+14
Moles of 233U in g of soln	3.49825E-10
Grams (convert moles to g)	8.15231E-08
233U ppb	81.5231478

Sample-	E-ID*pH6.50*b
CPMB	1821.795
233U added (g)	0.996
U233 corrected-	1829.111446
N (convert to atoms/g soln)-	2.11514E+14
Moles of 233U in g of soln	3.51178E-10
Grams (convert moles to g)	8.18383E-08
233U ppb	81.83827553

Sample-	E-ID*pH6.75*a
CPMB	1615.34
233U added (g)	0.9679
U233 corrected-	1668.912078
N (convert to atoms/g soln)-	1.92989E+14
Moles of 233U in g of soln	3.2042E-10
Grams (convert moles to g)	7.46706E-08
233U ppb	74.6706204

Sample-	E-ID*pH6.75*b
CPMB	1649.955
233U added (g)	0.9683
U233 corrected-	1703.970877
N (convert to atoms/g soln)-	1.97043E+14
Moles of 233U in g of soln	3.27151E-10
Grams (convert moles to g)	7.62392E-08
233U ppb	76.23922447

Sample-	E-ID*pH7.00*a
CPMB	995.896
233U added (g)	0.9944
U233 corrected-	1001.504425
N (convert to atoms/g soln)-	1.15812E+14
Moles of 233U in g of soln	1.92282E-10
Grams (convert moles to g)	4.48094E-08
233U ppb	44.80940472

Sample-	E-ID*pH7.00*b
CPMB	1014.644
233U added (g)	0.9873
U233 corrected-	1027.695736
N (convert to atoms/g soln)-	1.1884E+14
Moles of 233U in g of soln	1.97311E-10
Grams (convert moles to g)	4.59813E-08
233U ppb	45.98125881

Sample-	E-ID*pH7.25*a
CPMB	843.843
233U added (g)	0.9927
U233 corrected-	850.048353
N (convert to atoms/g soln)-	9.82976E+13
Moles of 233U in g of soln	1.63204E-10
Grams (convert moles to g)	3.80329E-08
233U ppb	38.03294298

Sample-	E-ID*pH7.25*b
CPMB	824.862
233U added (g)	0.9835
U233 corrected-	838.7005592
N (convert to atoms/g soln)-	9.69854E+13
Moles of 233U in g of soln	1.61025E-10
Grams (convert moles to g)	3.75252E-08
233U ppb	37.52521893

Sample-	E-ID*pH7.50*a
CPMB	747.385
233U added (g)	0.9929
U233 corrected-	752.7293786
N (convert to atoms/g soln)-	8.70439E+13
Moles of 233U in g of soln	1.44519E-10
Grams (convert moles to g)	3.36787E-08
233U ppb	33.67868832

Sample-	E-ID*pH7.50*b
CPMB	742.768
233U added (g)	0.9639
U233 corrected-	770.5861604
N (convert to atoms/g soln)-	8.91088E+13
Moles of 233U in g of soln	1.47948E-10
Grams (convert moles to g)	3.44776E-08
233U ppb	34.47763812

Sample-	E-ID*pH7.75*a
CPMB	755.669
233U added (g)	0.9905
U233 corrected-	762.9167087
N (convert to atoms/g soln)-	8.82219E+13
Moles of 233U in g of soln	1.46475E-10
Grams (convert moles to g)	3.41345E-08
233U ppb	34.1344908

Sample-	E-ID*pH7.75*b
CPMB	705.567
233U added (g)	0.9755
U233 corrected-	723.2875448
N (convert to atoms/g soln)-	8.36393E+13
Moles of 233U in g of soln	1.38867E-10
Grams (convert moles to g)	3.23614E-08
233U ppb	32.36139904

Sample-	E-ID*pH8.00*a
CPMB	636.795
233U added (g)	0.9578
U233 corrected-	664.8517436
N (convert to atoms/g soln)-	7.68819E+13
Moles of 233U in g of soln	1.27647E-10
Grams (convert moles to g)	2.97469E-08
233U ppb	29.74685895

Sample-	E-ID*pH8.00*b
CPMB	640.5
233U added (g)	0.9837
U233 corrected-	651.1131443
N (convert to atoms/g soln)-	7.52932E+13
Moles of 233U in g of soln	1.25009E-10
Grams (convert moles to g)	2.91322E-08
233U ppb	29.13216525

Sample-	E-ID*pH8.25*a
CPMB	733.219
233U added (g)	1.0008
U233 corrected-	732.6328937
N (convert to atoms/g soln)-	8.472E+13
Moles of 233U in g of soln	1.40661E-10
Grams (convert moles to g)	3.27795E-08
233U ppb	32.77952951

Sample-	E-ID*pH8.25*b
CPMB	740.942
233U added (g)	0.9942
U233 corrected-	745.2645343
N (convert to atoms/g soln)-	8.61807E+13
Moles of 233U in g of soln	1.43086E-10
Grams (convert moles to g)	3.33447E-08
233U ppb	33.34469556

Sample-	E-ID*pH8.50*a
CPMB	670.886
233U added (g)	0.9916
U233 corrected-	676.5691811
N (convert to atoms/g soln)-	7.82369E+13
Moles of 233U in g of soln	1.29897E-10
Grams (convert moles to g)	3.02711E-08
233U ppb	30.27112163

Sample-	E-ID*pH8.50*b
CPMB	654.635
233U added (g)	0.9897
U233 corrected-	661.4479135
N (convert to atoms/g soln)-	7.64883E+13
Moles of 233U in g of soln	1.26994E-10
Grams (convert moles to g)	2.95946E-08
233U ppb	29.59456446

Sample-	E-ID*pH8.75*a
CPMB	774.068
233U added (g)	0.9973
U233 corrected-	776.1636418
N (convert to atoms/g soln)-	8.97538E+13
Moles of 233U in g of soln	1.49018E-10
Grams (convert moles to g)	3.47272E-08
233U ppb	34.72718632

Sample-	E-ID*pH8.75*b
CPMB	761.855
233U added (g)	0.9975
U233 corrected-	763.764411
N (convert to atoms/g soln)-	8.83199E+13
Moles of 233U in g of soln	1.46638E-10
Grams (convert moles to g)	3.41724E-08
233U ppb	34.17241877

Sample-	E-ID*pH9.00*a
CPMB	689.63
233U added (g)	1.0015
U233 corrected-	688.5971043
N (convert to atoms/g soln)-	7.96278E+13
Moles of 233U in g of soln	1.32206E-10
Grams (convert moles to g)	3.08093E-08
233U ppb	30.8092761

Sample-	E-ID*pH9.00*b
CPMB	673.964
233U added (g)	0.9897
U233 corrected-	680.9780742
N (convert to atoms/g soln)-	7.87467E+13
Moles of 233U in g of soln	1.30743E-10
Grams (convert moles to g)	3.04684E-08
233U ppb	30.46838474

Sample-	E-ID*pH9.25*a
CPMB	706.364
233U added (g)	0.9834
U233 corrected-	718.2875737
N (convert to atoms/g soln)-	8.30611E+13
Moles of 233U in g of soln	1.37907E-10
Grams (convert moles to g)	3.21377E-08
233U ppb	32.13768986

Sample-	E-ID*pH9.25*b
CPMB	713.059
233U added (g)	1.0167
U233 corrected-	701.3465132
N (convert to atoms/g soln)-	8.11021E+13
Moles of 233U in g of soln	1.34654E-10
Grams (convert moles to g)	3.13797E-08
233U ppb	31.37971135