

## Radiological Survey Sheet

Job Location Pfizer Central Research C-217 Page 1 of 10

Survey Purpose Radiological Assessment Decommissioning Date 4/26/00

Performed By John Purcell   
 (Print) (Sign)

Inst.(1) (Model/SN) <u>Beckman LS 6500</u> <u>#7069448</u>	Inst.(2) <u>Lothum model 2241-2</u> (Model/SN) <u>#163403</u>	<del>Inst.(3) (Model/SN)</del>
Det. <u>Internal</u> (Model/SN)	Det. <u>Lothum model 42-68</u> (Model/SN) <u>#149613</u>	<del>Det. (Model/SN)</del>
Eff. <u>See LSC Printout</u>	Eff. <u>= 87% C-14</u>	<del>Eff.</del>
Type rad. <u>β</u>	Type rad. <u>β</u>	<del>Type rad.</del>
Bkgd. <u>See LSC Printout</u>	Bkgd. <u>300 cpm</u>	<del>Bkgd.</del>
Cal. Due: <u>12/00</u>	Cal. Due <u>2/13/01</u>	<del>Cal. due</del>

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
1.	3:00	Door	1	See attached LSC Printout
2.		Floor	1	
3.		Wall	1	
4.		Upper Wall	1	
5.		Lower Wall	1	
6.		Upper Wall	1	
7.		Lower Wall	1	
8.		Wall	1	
9.		Floor	1	
10.		(S) Side Hood	1	
11.		Hood Top	1	
12.		(R) Side Hood	1	
13.		Hood Lip	1	
14.		(E) Hood Wall	1	
15.		Upper Back Wall	1	
16.		Lower Back Wall	1	
17.		(R) Hood wall	1	
18.		(C) Counter Hood	1	

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
19		(R) side Counter	1	See attached LSC Printout
20		cup Sink	1	
21		Hood Sash	1	
22		Outer Cabinet	1	
23		Dinner Cabinet	1	
24		Outer Cabinet	1	
25		(R) inner Cabinet	1	
26		Blue Floor mat	1	
27		Top Shelf	1	
28		shelf	1	
29		shelf	1	
30		<del>Bottom Shelf</del> top Wall	1	
31		wall Unit	1	
32		Top Shelf	1	
33		shelf	1	
34		Bottom Shelf	1	
35		wall Unit	1	
36		Top Shelf	1	
37		shelf	1	
38		shelf	1	
39		Bottom Shelf	1	
40		wall	1	
41		Desk	1	
42		Drawer	1	
43		Outer Drawers	1	
44		Top Drawer	1	
45		Drawer	1	
46	↓	Drawer	1	↓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
47		Top Shelf	1	See attached LSC Printout
48		Shelf	1	
49		shelf	1	
50		shelf	1	
51		Top Shelf	1	
52		shelf	1	
53		shelf	1	
54		Top Shelf	1	
55		shelf	1	
56		shelf	1	
57		Cup Sink	1	
58		Counter	1	
59		Outer Drawers	1	
60		Top Drawer	1	
61		Drawer	1	
62		Drawer	1	
63		Bottom Drawer	1	
64		Outer Drawers	1	
65		Top Drawer	1	
66		Drawer	1	
67		Drawer	1	
68		Bottom Drawer	1	
69		Cup Sink	1	
70		Counter	1	
71		Drawer	1	
72		Outer Drawers	1	
73		Top Drawers	1	
74		Drawer	1	

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
75		Drawer	1	See attached LSC Printout
76		Drawer (Bottom)	1	
77		Counter	1	
78		Outer Drawers	1	
79		Top Drawer	1	
80		Drawer	1	
81		Drawer	1	
82		Bottom Drawer	1	
83		Cabinet End	1	
84		Chair 1	1	
85		" 2	1	
86		Chair 3	1	
87		" 4	1	
88		Chair 5	1	
89		Floor	1	
90		Floor	1	
91		Floor	1	
92		Floor	1	
93		Wall	1	
94		Wall Unit	1	
95		Top Shelf	1	
96		Shelf	1	
97		Shelf	1	
98		Bottom shelf	1	
99		Wall Unit	1	
100		Top Shelf	1	
101		Shelf	1	
102	↓	Shelf	1	↓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
103		Wall	1	See attached LSC Printout
104		Counter	1	
105		outer Drawers	1	
106		Top Drawer	1	
107		Drawer	1	
108		Drawer	1	
109		Bottom Drawer	1	
110		Drawer	1	
111		Floor	1	
112		Outer Drawers	1	
113		Top Drawer	1	
114		Drawer	1	
115		Drawer	1	
116		Bottom Drawer	1	
117		Counter	1	
118		Cup Sink	1	
119		Top Shelf	1	
120		shelf	1	
121		shelf	1	
122		Bottom Shelf	1	
123		Faucet	1	
124		Sink	1	
125		sink Drain	1	
126		Counter	1	
127		Cabinet Door	1	
128		inner Cabinet	1	
129		Floor	1	
130	↓	Cabinet End	1	↓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
131		Counter	1	See attached LSC Printout
132		Drawer	1	
133		Outer Cabinet	1	
134		inner Cabinet	1	
135		Counter	1	
136		Drawer	1	
137		Outer Drawers	1	
138		Top Drawer	1	
139		Drawer	1	
140		Drawer	1	
141		Bottom Drawer	1	
142		Drawer	1	
143		Outer Drawer	1	
144		Top Drawer	1	
145		Drawer	1	
146		Drawer	1	
147		Bottom Drawer	1	
148		Counter	1	
149		Top Shelf	1	
150		Shelf	1	
151		Shelf	1	
152		Bottom Shelf	1	
153		Computer Shelf	1	
154		Desk	1	
155		Drawer	1	
156		Outer Drawers	1	
157		Top Drawer	1	
158	↓	Drawer	1	↓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
159		Drawer	1	See attached LSC Printout
160		Wall Unit	1	
161		Top Shelf	1	
162		Shelf	1	
163		Shelf	1	
164		Bottom Shelf	1	
165		Wall Unit	1	
166		Top shelf	1	
167		Shelf	1	
168		Shelf	1	
169		Bottom Shelf	1	
170		Wall	1	
171		Top Shelf	1	
172		Shelf	1	
173		Shelf	1	
174		Shelf	1	
175		Computer Shelf	1	
176		Desk	1	
177		Drawer	1	
178		outer Drawers	1	
179		Drawer	1	
180		Drawer	1	
181		Bottom Drawer	1	
182		Top Shelf	1	
183		Shelf	1	
184		Shelf	1	
185		Top Shelf	1	
186	↓	Shelf	1	↓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
187		Shelf	1	See attached LSC Printout
188		Cup Sink	1	
189		Counter	1	
190		Cup Sink	1	
191		Counter	1	
192		Outer Drawers	1	
193		Top Drawer	1	
194		Drawer	1	
195		Drawer	1	
196		Bottom Drawer	1	
197		Drawer	1	
198		Outer Drawers	1	
199		Top Drawers	1	
200		Drawer	1	
201		Drawer	1	
202		Bottom Drawer	1	
203		Drawer	1	
204		Counter	1	
205		Outer Drawers	1	
206		Top Drawer	1	
207		Drawer	1	
208		Drawer	1	
209		Bottom Drawer	1	
210	↓	Cabinet End	1	
211	6.30	Wall	1	
212	↓	Counter	1	
213	↓	Outer Drawers	1	
214	↓	Top Drawer	1	↓

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Date 4/27/00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
215		Drawer	1	See attached LSC Printout
216		Drawer	1	
217		Bottom Drawer	1	
218		Floor	1	
219		Wall	1	
220		Counter	1	
221		Counter	1	
222		outer Drawers	1	
223		Top Drawer	1	
224		Drawer	1	
225		Drawer	1	
226		Bottom Drawer	1	
227		Outer Drawer	1	
228		Top Drawer	1	
229		Drawer	1	
230		Drawer	1	
231		Bottom Drawer	1	
232		Floor	1	
233		Cabinet End	1	
234		Red cloth Chair	1	
235		Blue Chair	1	
236		Red Chair	1	
237		Floor	1	
238		"	1	
239		Floor	1	
240		Counter	1	
241		Drawer	1	
242	↓	outer Cabinet	1	↓

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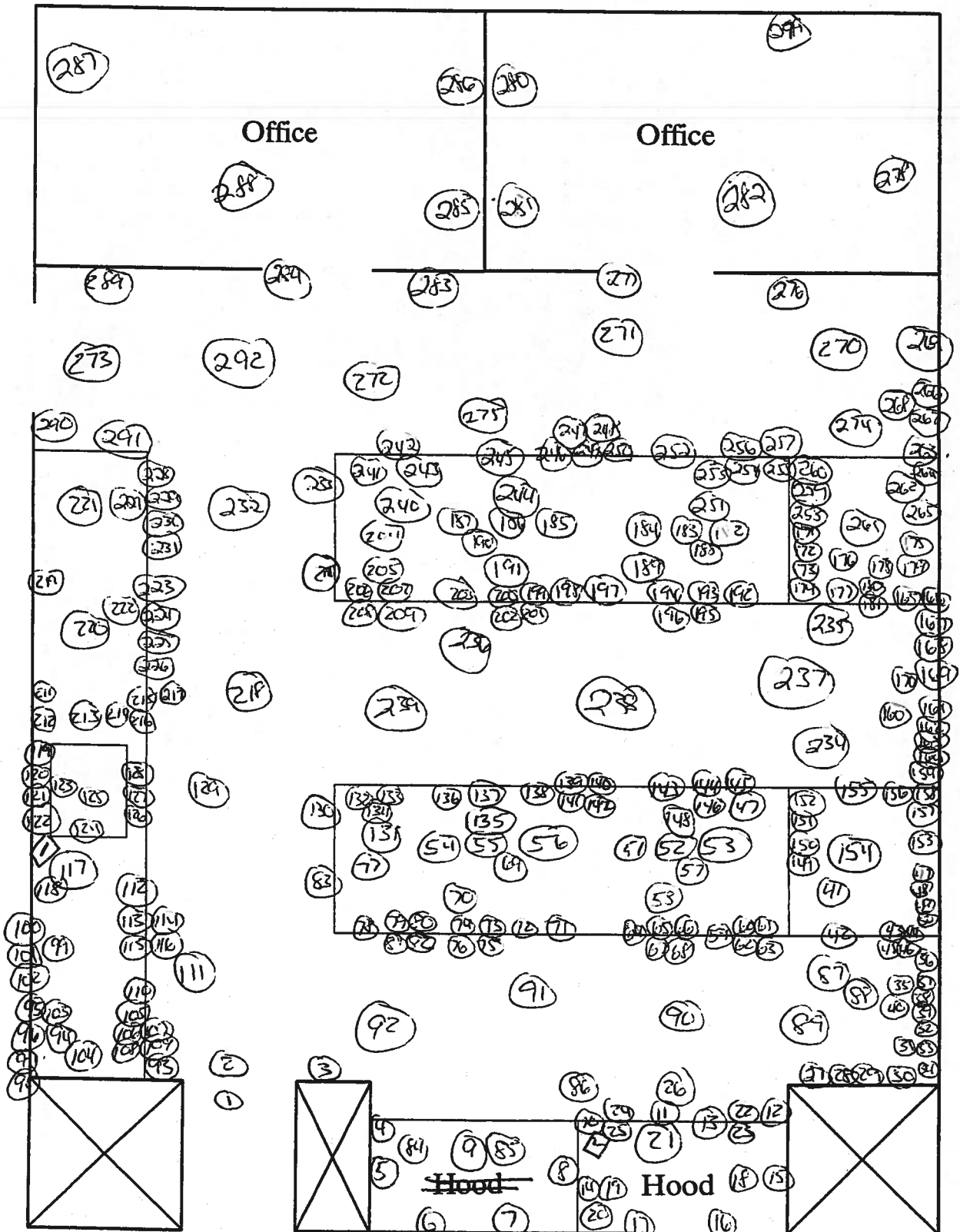
Date 4/27/00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
243		inner Cabinet	1	See attached LSC Printout
244		Counter	1	
245		Drawer	1	
246		Outer Drawers	1	
247		Top Drawer	1	
248		Drawer	1	
249		Drawer	1	
250		Bottom Drawer	1	
251		Counter	1	
252		Drawer	1	
253		Outer Drawers	1	
254		Top Drawers	1	
255		Drawer	1	
256		Drawer	1	
257		Drawer (Bottom)	1	
258		Top Shelf	1	
259		Shelf	1	
260		Shelf	1	
261		Desk	1	
262		Wall Unit	1	
263		Top Shelf	1	
264		Shelf	1	
265		Bottom Shelf	1	
266		Top Shelf	1	
267		Shelf	1	
268		Wall	1	
269		Door	1	
270		Floor	1	



**Bld. 118C Room C217**

Date: 4/27/00



Surveyed 100% of lower surfaces using instrument #2. All surfaces surveyed were noted to be at normal background levels, with the following exceptions: 1 Counter (~1,000 cm<sup>2</sup>) area noted to be contaminated to a maximum level of 18,125 dpm/100cm<sup>2</sup>. 2 Edge of hood noted to be

26 APR 2000 18:15

ID: EQUIPMENT SURVY

USER: 3

COMMENT:

PRESET TIME : 1.00  
 DATA CALC : DL DPM H# : YES SAMPLE REPEATS: 1 PRINTER : EDIT  
 COUNT BLANK : YES IC# : NO REPLICATES : 1 RS232 : EDIT  
 TWO PHASE : NO ADC : YES CYCLE REPEATS : 1  
 SCINTILLATOR: LIQUID LUMEX: YES LOW SAMPLE REJ: 0  
 LOW LEVEL : NO HALF LIFE CORRECTION DATE: none

ISOTOPE 1: 3H %ERROR: 2.00 FACTOR: 1.000000 BKG. SUB: 0  
 ISOTOPE 2: 14C %ERROR: 2.00 FACTOR: 1.000000 BKG. SUB: 0  
 WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.000000 BKG. SUB: 0

BACKGROUND QUENCH CURVE: Off COLOR QUENCH CORRECTION: Off

Quench Limits Low: 2.756 High: 314.54

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
B1	93.1	11.00	12.00	36.00	16.65	16.14	3.29
1	89.7	20.00	15.00	40.00	16.73	3.92	3.47
2	90.1	18.00	17.00	48.00	11.60	6.66	7.61
3	85.6	14.00	15.00	38.00	3.95	3.96	6.64
4	85.6	22.00	13.00	50.00	21.15	1.16	6.63
5	89.0	23.00	11.00	43.00	24.89	-1.54	1.81
6	85.2	24.00	11.00	38.00	26.15	-1.57	4.09
7	86.0	23.00	8.00	45.00	25.83	-5.61	5.15
8	90.4	22.00	9.00	44.00	24.16	-4.22	2.82
9	104.4	19.00	12.00	42.00	18.82	-0.01	4.11
10	90.4	11.00	12.00	35.00	-0.21	-0.02	7.62
11	90.2	15.00	13.00	37.00	7.52	1.28	1.49
12	84.3	17.00	12.00	38.00	11.39	-0.14	4.38
13	81.1	21.00	14.00	48.00	17.89	2.48	4.74
14	86.6	15.00	8.00	31.00	9.70	-5.51	8.56
15	87.1	15.00	5.00	31.00	11.32	-9.56	17.12
16	90.2	17.00	16.00	44.00	10.07	5.32	9.30
17	89.1	11.00	10.00	34.00	0.74	-2.74	7.20
18	91.1	21.00	16.00	51.00	18.51	5.28	7.48
19	97.7	18.00	8.00	35.00	17.66	-5.49	7.00
20	93.1	23.00	13.00	44.00	24.67	1.21	6.98
21	88.6	11.00	12.00	29.00	-0.35	-0.04	6.57
22	87.8	14.00	11.00	31.00	6.24	-1.43	9.92
23	108.5	15.00	9.00	32.00	12.28	-4.03	15.69
24	84.7	12.00	12.00	37.00	1.37	-0.08	4.66
25	96.1	13.00	8.00	35.00	6.70	-5.44	4.13
26	88.8	12.00	10.00	33.00	2.76	-2.76	2.29
27	90.4	20.00	3.00	34.00	23.19	-12.33	2.84
28	86.9	17.00	13.00	38.00	11.22	1.23	4.13
29	87.7	17.00	11.00	37.00	12.36	-1.47	3.78
30	96.8	21.00	12.00	40.00	21.71	-0.10	7.35
31	88.0	21.00	14.00	42.00	19.03	2.54	5.12
32	87.2	25.00	8.00	48.00	30.17	-5.63	3.94
33	92.1	16.00	9.00	36.00	11.97	-4.14	3.62
34	89.7	20.00	9.00	36.00	19.89	-4.20	8.47
35	88.4	29.00	6.00	44.00	39.70	-8.38	5.69
36	89.9	13.00	13.00	40.00	3.35	1.30	2.73
37	88.5	12.00	9.00	36.00	3.26	-4.11	5.32
38	91.2	13.00	8.00	29.00	6.14	-5.46	2.82

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SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DFM	14C DFM	LUMEX %
39	87.7	19.00	8.00	33.00	18.01	-5.55	8.94
40	85.6	19.00	11.00	39.00	16.12	-1.51	5.74
41	92.0	16.00	14.00	40.00	9.28	2.64	1.57
42	86.4	23.00	3.00	33.00	28.50	-12.37	8.92
43	89.9	17.00	8.00	35.00	14.26	-5.52	4.84
44	85.3	23.00	10.00	40.00	24.66	-2.91	3.25
45	87.5	22.00	9.00	41.00	23.58	-4.24	6.51
46	88.4	19.00	15.00	40.00	14.47	3.92	2.01
47	94.9	27.00	8.00	42.00	36.24	-5.62	8.00
48	87.3	18.00	6.00	36.00	16.95	-8.25	6.95
49	95.3	16.00	13.00	41.00	10.26	1.31	5.01
50	92.3	23.00	12.00	43.00	25.04	-0.16	4.54
51	97.9	19.00	8.00	37.00	19.84	-5.51	10.82
52	94.5	20.00	10.00	43.00	20.24	-2.82	4.00
53	86.3	24.00	9.00	41.00	27.40	-4.27	7.63
54	103.4	14.00	5.00	30.00	11.56	-9.51	11.00
55	98.4	23.00	10.00	43.00	27.47	-2.83	3.73
56	88.7	20.00	7.00	42.00	20.77	-6.91	3.49
57	94.5	23.00	6.00	38.00	28.76	-8.29	4.47
58	89.4	22.00	11.00	41.00	22.90	-1.52	1.50
59	90.9	22.00	9.00	39.00	24.26	-4.22	1.46
60	86.0	12.00	8.00	33.00	3.54	-5.48	5.10
61	85.1	13.00	5.00	31.00	7.02	-9.55	3.67
62	85.0	19.00	12.00	37.00	15.52	-0.16	4.76
63	97.4	21.00	9.00	39.00	23.50	-4.17	2.57
64	92.0	12.00	11.00	30.00	2.53	-1.38	1.92
65	94.3	20.00	13.00	40.00	18.57	1.25	2.45
66	87.1	18.00	10.00	38.00	14.84	-2.84	4.07
67	85.9	24.00	10.00	41.00	26.81	-2.92	3.91
68	87.3	21.00	6.00	41.00	23.06	-8.28	4.85
69	93.2	13.00	11.00	31.00	4.75	-1.38	5.17
70	90.5	17.00	12.00	38.00	12.23	-0.10	1.81
71	95.8	21.00	12.00	47.00	21.53	-0.11	0.71
72	85.5	25.00	11.00	48.00	28.24	-1.58	4.34
73	89.0	12.00	14.00	36.00	0.68	2.66	5.99
74	91.5	19.00	8.00	35.00	18.66	-5.54	2.54
75	86.4	18.00	12.00	38.00	13.69	-0.14	3.33
76	93.4	17.00	13.00	39.00	12.10	1.28	5.08
77	92.2	17.00	8.00	30.00	14.61	-5.51	4.55
78	91.1	19.00	7.00	32.00	19.13	-6.89	4.01
79	91.6	26.00	9.00	40.00	32.73	-4.27	1.87
80	90.6	19.00	10.00	35.00	17.45	-2.83	4.06
81	85.7	21.00	10.00	38.00	20.70	-2.88	5.29
82	90.6	16.00	9.00	33.00	11.76	-4.15	6.69
83	96.0	18.00	15.00	47.00	13.51	4.01	2.23
84	88.3	20.00	9.00	40.00	19.64	-4.21	1.95
85	89.6	13.00	8.00	41.00	5.96	-5.47	3.10
86	88.5	20.00	5.00	33.00	21.77	-9.62	3.35
87	91.0	15.00	12.00	39.00	8.14	-0.07	3.29
88	86.4	17.00	9.00	34.00	13.21	-4.18	6.63
89	88.2	18.00	13.00	37.00	13.44	1.23	5.16
90	91.5	17.00	9.00	33.00	13.98	-4.15	10.25
91	94.1	21.00	7.00	39.00	23.90	-6.91	2.68
92	93.7	26.00	6.00	42.00	34.91	-8.33	4.19
93	87.5	9.00	10.00	28.00	-3.48	-2.73	4.58
94	91.5	11.00	8.00	28.00	2.00	-5.44	7.32
95	91.8	16.00	9.00	36.00	11.93	-4.14	5.74
96	96.0	14.00	20.00	46.00	2.25	10.86	2.94

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
97	95.6	13.00	8.00	26.00	6.64	-5.44	2.29
98	93.9	27.00	7.00	45.00	36.52	-6.98	4.32
99	89.9	26.00	10.00	44.00	31.80	-2.92	4.70
100	91.7	19.00	5.00	36.00	20.31	-9.60	6.02
101	95.2	16.00	11.00	42.00	11.33	-1.41	3.37
102	108.8	22.00	17.00	45.00	23.59	6.82	6.49
103	102.8	20.00	7.00	36.00	23.60	-6.86	2.65
104	109.0	18.00	12.00	36.00	17.45	0.04	11.60
105	94.7	23.00	9.00	44.00	27.17	-4.21	6.45
106	96.5	21.00	11.00	40.00	22.21	-1.46	5.48
107	99.9	16.00	14.00	38.00	10.33	2.71	5.47
108	98.9	10.00	8.00	25.00	0.55	-5.38	9.65
109	99.7	23.00	6.00	39.00	30.02	-8.27	7.43
110	100.3	16.00	9.00	44.00	13.19	-4.09	5.34
111	93.4	19.00	14.00	44.00	15.77	2.61	4.76
112	86.3	17.00	11.00	36.00	12.17	-1.48	5.39
113	97.0	22.00	5.00	38.00	27.76	-9.63	7.08
114	99.3	20.00	9.00	39.00	21.73	-4.15	1.58
115	104.9	19.00	13.00	34.00	18.34	1.36	2.68
116	93.0	17.00	11.00	35.00	13.13	-1.43	1.90
117	97.3	20.00	10.00	37.00	20.77	-2.80	4.68
118	101.8	20.00	14.00	41.00	19.41	2.68	3.82
119	114.7	16.00	11.00	34.00	14.46	-1.26	16.90
120	96.4	21.00	10.00	40.00	22.74	-2.82	8.98
121	95.2	19.00	4.00	33.00	21.52	-10.95	6.48
122	98.2	20.00	8.00	42.00	22.06	-5.52	5.61
123	92.1	14.00	10.00	34.00	7.26	-2.76	5.42
124	101.3	15.00	9.00	34.00	11.16	-4.07	5.18
125	95.6	13.00	5.00	29.00	8.28	-9.52	5.68
126	95.5	17.00	7.00	31.00	15.69	-6.85	3.99
127	95.9	22.00	12.00	43.00	23.66	-0.12	1.15
128	121.3	32.00	22.00	61.00	48.03	13.72	3.76
129	100.0	18.00	13.00	37.00	15.27	1.33	9.37
130	95.9	13.00	12.00	35.00	4.49	-0.00	3.03
131	98.5	13.00	9.00	34.00	6.43	-4.06	6.74
132	92.7	14.00	7.00	31.00	8.94	-6.82	5.69
133	95.3	22.00	8.00	39.00	25.74	-5.56	1.62
134	103.4	20.00	7.00	35.00	23.73	-6.86	5.82
135	94.9	9.00	12.00	34.00	-4.10	0.04	4.48
136	97.5	20.00	9.00	43.00	21.36	-4.16	4.72
137	94.4	17.00	9.00	29.00	14.41	-4.14	4.53
138	96.0	20.00	15.00	41.00	17.78	3.99	2.96
139	94.1	13.00	11.00	35.00	4.84	-1.37	3.96
140	95.6	16.00	9.00	36.00	12.48	-4.12	4.69
141	95.7	17.00	9.00	36.00	14.62	-4.13	4.74
142	92.4	10.00	5.00	20.00	1.60	-9.49	8.41
143	90.3	12.00	8.00	33.00	3.96	-5.45	7.70
144	91.4	19.00	10.00	43.00	17.58	-2.83	4.77
145	92.4	12.00	9.00	33.00	3.64	-4.09	6.91
146	96.0	18.00	11.00	43.00	15.72	-1.42	3.38
147	99.8	20.00	11.00	36.00	20.71	-1.42	2.86
148	97.8	17.00	6.00	31.00	16.63	-8.20	3.62
149	97.0	24.00	8.00	43.00	30.40	-5.57	4.38
150	102.6	12.00	6.00	23.00	6.44	-8.12	4.09
151	96.0	18.00	10.00	38.00	16.26	-2.78	4.43
152	100.1	18.00	2.00	36.00	21.47	-13.65	5.59
153	103.4	17.00	11.00	37.00	14.77	-1.36	5.99
154	92.8	23.00	10.00	40.00	26.21	-2.87	5.05

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
155	96.2	22.00	12.00	42.00	23.74	-0.12	4.83
156	95.2	36.00	8.00	57.00	55.43	-5.73	5.33
157	97.5	18.00	6.00	33.00	18.73	-8.21	1.84
158	94.7	19.00	8.00	36.00	19.24	-5.52	4.17
159	98.7	13.00	7.00	23.00	7.58	-6.78	5.21
160	93.0	21.00	10.00	42.00	22.05	-2.84	4.38
161	99.1	21.00	14.00	47.00	21.06	2.64	1.14
162	95.3	10.00	18.00	40.00	-5.22	8.18	6.22
163	96.6	10.00	9.00	26.00	-0.21	-4.04	2.51
164	95.9	19.00	10.00	42.00	18.37	-2.80	3.39
165	94.6	12.00	8.00	27.00	4.41	-5.43	3.24
166	97.7	22.00	11.00	40.00	24.60	-1.46	3.27
167	94.3	16.00	10.00	39.00	11.75	-2.77	4.73
168	94.8	21.00	10.00	36.00	22.42	-2.83	2.46
169	103.5	11.00	10.00	28.00	2.04	-2.64	4.91
170	105.2	19.00	5.00	34.00	23.04	-9.57	9.19
171	95.2	18.00	9.00	38.00	16.67	-4.15	7.74
172	92.2	10.00	6.00	26.00	1.05	-8.13	7.01
173	93.7	10.00	9.00	29.00	-0.44	-4.05	9.28
174	99.5	18.00	12.00	38.00	15.74	-0.04	3.29
175	111.9	19.00	14.00	37.00	19.13	2.79	10.92
176	118.7	22.00	13.00	42.00	28.48	1.43	4.01
177	94.8	13.00	14.00	35.00	3.29	2.70	1.18
178	92.3	22.00	13.00	45.00	22.41	1.21	4.98
179	89.1	20.00	9.00	39.00	19.79	-4.21	6.31
180	101.6	25.00	9.00	42.00	33.19	-4.20	49.68
181	130.8	9.00	9.00	28.00	0.72	-3.80	21.55
182	107.2	15.00	4.00	30.00	15.02	-10.88	15.64
183	113.3	11.00	12.00	35.00	1.85	0.17	6.44
184	108.7	6.00	7.00	25.00	-7.08	-6.64	4.31
185	118.1	14.00	9.00	32.00	11.50	-3.96	9.06
186	104.7	12.00	13.00	29.00	2.65	1.45	6.29
187	103.9	16.00	14.00	42.00	10.90	2.75	5.10
188	98.4	18.00	5.00	33.00	19.44	-9.57	9.63
189	98.4	26.00	9.00	43.00	34.51	-4.23	2.44
190	111.1	12.00	10.00	31.00	5.15	-2.60	12.81
191	96.0	15.00	12.00	36.00	8.77	-0.03	5.55
192	95.3	22.00	13.00	42.00	23.00	1.24	7.38
193	92.6	21.00	10.00	38.00	21.98	-2.84	5.15
194	97.9	13.00	12.00	33.00	4.70	0.01	1.85
195	98.8	13.00	7.00	33.00	7.59	-6.78	1.24
196	97.8	15.00	4.00	24.00	13.43	-10.90	1.94
197	98.8	17.00	11.00	35.00	14.02	-1.39	3.72
198	93.4	9.00	8.00	30.00	-2.03	-5.40	4.62
199	98.3	18.00	17.00	47.00	12.75	6.76	1.55
200	94.9	18.00	8.00	35.00	17.16	-5.51	4.96
201	94.2	16.00	7.00	43.00	13.36	-6.84	6.70
202	98.2	12.00	9.00	35.00	4.24	-4.05	2.26
203	104.6	14.00	13.00	34.00	7.12	1.42	1.74
204	106.1	18.00	9.00	38.00	18.66	-4.09	5.79
205	95.3	20.00	10.00	42.00	20.39	-2.81	5.63
206	92.2	25.00	11.00	46.00	29.74	-1.54	4.84
207	100.3	16.00	10.00	32.00	12.64	-2.73	1.72
208	102.7	17.00	9.00	36.00	15.80	-4.09	3.92
209	101.6	17.00	10.00	40.00	15.03	-2.74	2.01
210	91.6	25.00	5.00	38.00	32.80	-9.68	4.68



ID: EQUIPMENT SURVY

27 APR 2000 06:35

USER: 1 COMMENT:  
 PRESET TIME : 1.00  
 DATA CALC : DL DPM H# : YES SAMPLE REPEATS: 1 PRINTER : EDIT  
 COUNT BLANK : YES IC# : NO REPLICATES : 1 RS232 : EDIT  
 TWO PHASE : NO ADC : YES CYCLE REPEATS : 1  
 SCINTILLATOR: LIQUID LUMEX: YES LOW SAMPLE REJ: 0  
 LOW LEVEL : NO HALF LIFE CORRECTION DATE: none

ISOTOPE 1: 3H %ERROR: 2.00 FACTOR: 1.000000 BKG. SUB: 0  
 ISOTOPE 2: 14C %ERROR: 2.00 FACTOR: 1.000000 BKG. SUB: 0  
 WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.000000 BKG. SUB: 0

BACKGROUND QUENCH CURVE: Off COLOR QUENCH CORRECTION: Off

Quench Limits Low: 2.756 High: 314.54

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
B1	94.7	14.00	12.00	34.00	23.13	16.12	2.91
211	93.3	16.00	6.00	28.00	7.27	-8.18	14.22
212	89.1	12.00	17.00	41.00	-7.37	6.75	9.63
3	84.6	20.00	5.00	33.00	14.57	-9.61	9.99
4	86.2	14.00	5.00	25.00	2.69	-9.53	13.62
215	88.7	19.00	11.00	32.00	10.13	-1.46	12.11
6	90.1	13.00	11.00	29.00	-2.06	-1.38	3.24
7	87.6	15.00	8.00	37.00	3.34	-5.48	5.73
8	90.7	17.00	12.00	45.00	5.77	-0.07	11.58
9	88.7	17.00	13.00	40.00	4.98	1.27	11.01
220	99.4	16.00	11.00	34.00	5.46	-1.35	14.98
11	108.5	18.00	10.00	37.00	12.06	-2.68	3.85
12	89.7	14.00	8.00	34.00	1.56	-5.46	6.14
13	84.6	16.00	11.00	37.00	3.45	-1.46	7.13
14	83.1	22.00	9.00	39.00	16.26	-4.24	4.88
215	84.0	22.00	7.00	37.00	17.46	-6.93	8.78
16	89.5	23.00	7.00	37.00	20.62	-6.92	7.01
17	87.2	19.00	8.00	35.00	11.45	-5.53	23.09
18	81.5	24.00	8.00	42.00	20.44	-5.62	3.81
19	86.3	18.00	7.00	29.00	9.78	-6.87	9.07
230	83.8	16.00	7.00	32.00	5.38	-6.86	9.09
21	88.7	17.00	13.00	36.00	4.98	1.27	9.56
22	87.4	19.00	14.00	43.00	8.36	2.59	7.88
23	88.2	19.00	11.00	40.00	10.05	-1.47	3.94
24	85.9	16.00	5.00	28.00	6.71	-9.55	5.42
235	84.8	15.00	6.00	31.00	4.02	-8.20	7.82
26	89.4	24.00	8.00	40.00	22.13	-5.58	4.34
27	84.3	30.00	12.00	55.00	31.04	-0.28	8.58
28	85.1	12.00	9.00	28.00	-3.53	-4.11	4.82
29	93.4	21.00	14.00	43.00	13.50	2.62	2.99
240	94.6	18.00	5.00	36.00	12.26	-9.56	17.74
31	86.2	21.00	10.00	38.00	14.30	-2.86	16.36
32	84.5	18.00	6.00	33.00	10.02	-8.23	16.95
33	85.4	20.00	5.00	35.00	14.72	-9.60	11.79

34	83.1	18.00	7.00	34.00	9.28	-6.89	10.04
37	85.1	28.00	12.00	51.00	27.20	-0.25	4.15
38	87.4	10.00	8.00	26.00	-6.89	-5.42	7.60

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
39	87.5	19.00	9.00	37.00	10.98	-4.18	3.11
250 40	84.9	22.00	8.00	36.00	17.11	-5.58	9.14
41	90.5	15.00	9.00	32.00	3.19	-4.11	9.70
42	88.9	14.00	6.00	31.00	2.51	-8.17	4.17
43	88.0	14.00	7.00	32.00	1.87	-6.82	3.70
44	83.2	14.00	15.00	34.00	-2.76	3.96	9.68
255 45	94.2	16.00	8.00	31.00	6.33	-5.46	7.27
46	92.0	13.00	7.00	31.00	0.28	-6.79	6.87
47	93.7	21.00	9.00	40.00	16.26	-4.17	1.74
48	94.7	15.00	14.00	40.00	1.04	2.70	8.31
49	88.4	15.00	13.00	39.00	0.83	1.29	7.01
260 50	95.6	15.00	12.00	38.00	2.23	-0.01	3.44
51	111.7	18.00	7.00	31.00	14.52	-6.77	13.44
52	89.0	11.00	8.00	29.00	-4.71	-5.42	7.54
53	88.6	13.00	12.00	36.00	-2.73	-0.04	13.60
54	92.8	25.00	4.00	38.00	27.17	-11.01	5.05
265 55	95.3	16.00	8.00	32.00	6.50	-5.45	7.64
56	98.7	14.00	15.00	38.00	-1.20	4.12	6.85
57	106.0	17.00	9.00	36.00	9.90	-4.05	6.75
58	92.6	19.00	15.00	47.00	8.63	3.99	11.67
59	102.0	13.00	8.00	31.00	0.95	-5.38	6.33
270 60	95.8	15.00	6.00	35.00	5.54	-8.16	1.80
61	91.0	24.00	12.00	50.00	20.36	-0.15	11.40
62	91.4	13.00	9.00	35.00	-0.86	-4.08	4.68
63	104.0	11.00	6.00	26.00	-2.09	-8.07	7.96
64	97.9	19.00	12.00	39.00	11.15	-0.04	6.76
275 65	91.8	22.00	5.00	36.00	20.10	-9.61	8.37
66	90.9	15.00	8.00	31.00	3.78	-5.46	7.95
67	101.8	16.00	10.00	38.00	6.39	-2.70	7.73
68	95.9	12.00	13.00	30.00	-4.68	1.39	2.10
69	102.1	12.00	8.00	31.00	-1.24	-5.37	4.27
280 70	89.6	19.00	14.00	46.00	8.69	2.61	4.60
71	103.9	15.00	10.00	36.00	4.50	-2.67	10.80
72	94.7	15.00	11.00	39.00	2.66	-1.37	7.78
73	91.8	12.00	11.00	35.00	-3.96	-1.35	5.74
74	91.8	21.00	9.00	37.00	15.89	-4.18	6.30
285 75	95.9	21.00	10.00	42.00	16.15	-2.80	8.30
76	92.3	17.00	8.00	32.00	8.15	-5.48	6.50
77	98.7	14.00	13.00	43.00	-0.08	1.39	7.88
78	94.1	14.00	15.00	39.00	-1.69	4.07	6.47
79	89.6	23.00	12.00	41.00	18.00	-0.15	13.28
290 80	96.5	17.00	6.00	34.00	9.92	-8.18	16.40
81	95.6	12.00	9.00	26.00	-2.51	-4.04	3.67
292 82	97.2	12.00	8.00	31.00	-1.80	-5.39	7.19