

## Radiological Survey Sheet

Job Location 118/364 PAWR INC GROTON CT. Page 1 of 22

Survey Purpose LAB CLOSE OUT Date 7-26-00

Performed By EDWARD GAILOR Edward Gailor  
 (Print) (Sign)

Inst.(1) (Model/SN) Beckman LS 6500 #7069448	Inst.(2) Ludlum 2241-2 (Model/SN) #163603	Inst.(3) (Model/SN)
Det. Internal (Model/SN)	Det. Ludlum 43-68 (Model/SN) # 49613	Det. (Model/SN)
Eff. See LSC Printout	Eff. ~ 850 c-14	Eff.
Type rad. $\beta$	Type rad. $\beta$	Type rad.
Bkgd. See LSC Printout	Bkgd. 300 cpm	Bkgd.
Cal. Due: 12/00	Cal. Due 2/13/01	Cal. due

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
1.	8:07:30	doors	1	See attached LSC Printout
2.		FLOOR	1	
3.		WALL	1	
4.		WALL	1	
5.		WALL	1	
6.		TOP SHELF	1	
7.		BOTTOM SHELF	1	
8.		DESK	1	
9.		MIDDLE DRAWER	1	
10.		DRAWERS & HANDLS	1	
11.		TOP DRAWER	1	
12.		MIDDLE DRAWER	1	
13.		BOTTOM DRAWER	1	
14.		TOP LEFT VENT	1	
15.		TOP MIDDLE VENT	1	
16.		TOP RIGHT VENT	1	
17.		LEFT SIDE OF HOOD (BACK)	1	
18.		TOP LEFT OF HOOD (BACK)	1	

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
19	0730	TOP MIDDLE OF HOOD (BACK)	1	See attached LSC Printout
20		TOP RIGHT OF HOOD (BACK)	1	
21		RIGHT SIDE OF HOOD	1	
22		BOTTOM RIGHT OF HOOD (BACK)	1	
23		MIDDLE BACK OF HOOD (BOTTOM)	1	
24		BOTTOM LEFT OF HOOD BACK	1	
25		TOP SHELF IN HOOD	1	
26		MIDDLE SHELF IN HOOD	1	
27		BOTTOM SHELF IN HOOD	1	
28		LOWER LEFT VENT	1	
29		LOWER 2ND VENT	1	
30		LOWER 3RD VENT	1	
31		LOWER RIGHT VENT	1	
32		SINK IN HOOD	1	
33		LEFT CUP	1	
34		RIGHT CUP	1	
35		LEFT SIDE OF <sup>ED</sup> OF HOOD	1	
36		MIDDLE OF HOOD	1	
37		RIGHT SIDE OF HOOD	1	
38		INSIDE LEFT GLASS OF HOOD	1	
39		INSIDE 2ND GLASS OF HOOD	1	
40		INSIDE 3RD GLASS OF HOOD	1	
41		INSIDE RIGHT GLASS OF HOOD	1	
42		OUTSIDE LEFT GLASS & SASH OF HOOD	1	
43		OUTSIDE 2ND GLASS & SASH OF HOOD	1	
44		OUTSIDE 3RD GLASS & SASH OF HOOD	1	
45		OUTSIDE RIGHT GLASS & SASH OF HOOD	1	
46		BOTTOM LEFT DRAWER & HNDL	1	

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
47	0730	BOTTOM RIGHT <sup>door</sup> DRAWER & HNDL	1	See attached LSC Printout
48		BACK OF CABINET	1	
49		BOTTOM OF CABINET	1	
50		LEFT SIDE OF CABINET	1	
51		RIGHT SIDE OF CABINET	1	
52		RIGHT SIDE LEFT DRAWER & HNDL OF CAB	1	
53		RIGHT SIDE RIGHT DRAWER & HNDL OF CAB.	1	
54		BACK OF CABINET	1	
55		LEFT SIDE OF CABI	1	
56		BOTTOM LEFT OF CAB.	1	
57		BOTTOM RIGHT OF CAB.	1	
58		RIGHT SIDE OF CAB.	1	
59		CHAIR	1	
60		CHAIR	1	
61		FLOOR	1	
62		FLOOR	1	
63		FILING CAB DRAWERS	1	
64		" " TOP	1	
65		" " LEFT SIDE	1	
66		" " RIGHT SIDE	1	
67		" " BACK	1	
68		" " TOP DRAWER	1	
69		" " 2ND "	1	
70		" " 3RD "	1	
71		" " 4TH "	1	
72		" " 5TH "	1	
73		CAB. DOORS & HNDLS	1	
74	✓	CAB. TOP SHELF	1	✓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
75	0730	CAB. MIDDLE SHELF	1	See attached LSC Printout
76		" BOTTOM SHELF	1	
77		CAB. DOORS & HANDLS	1	
78		TOP SHELF	1	
79		MIDDLE SHELF	1	
80		BOTTOM SHELF	1	
81		CAB. DOORS & HANDLS	1	
82		TOP SHELF	1	
83		MIDDLE SHELF	1	
84		BOTTOM SHELF	1	
85		SHELF	1	
86		SHELF	1	
87		SHELF	1	
88		COUNTER	1	
89		CUP	1	
90		COUNTER	1	
91		CUP	1	
92		SHELF	1	
93		COUNTER	1	
94		CUP	1	
95		TOP DRAWER & HANDLS	1	
96		BOTTOM RIGHT DRAWER & HANDL	1	
97		BOTTOM LEFT DRAWER & HANDL	1	
98		TOP RIGHT DRAWER	1	
99		TOP LEFT "	1	
100		BOTTOM CAB TOP SHELF	1	
101		" " BOTTOM SHELF	1	
102		DRAWERS & HANDLS	1	

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
103	0730	TOP DRAWER	1	See attached LSC Printout
104		2ND "	1	
105		3RD "	1	
106		4TH "	1	
107		BOTTOM "	1	
108		MIDDLE DOOR & HNDL	1	
109		MIDDLE DRAWER	1	
110		TOP 4 DRAWERS & HNDLS	1	
111		TOP RIGHT DRAWER	1	
112		TOP LEFT DRAWER	1	
113		2ND RIGHT SMALL DRAWER	1	
114		4TH <del>3RD</del> <sup>50</sup> DRAWER	1	
115		TOP 4 DRAWER & HNDLS	1	
116		TOP RIGHT DRAWER	1	
117		TOP LEFT DRAWER	1	
118		2ND SMALL RIGHT DRAWER	1	
119		4TH <del>3RD</del> <sup>EX</sup> DRAWER	1	
120		T LARGE DRAWERS & HNDLS	1	
121		LARGE TOP DRAWER	1	
122		LARGE BOTTOM DRAWER	1	
123		INSIDE SINK	1	
124		BETWEEN SINKS	1	
125		INSIDE SINK	1	
126		RACK BEHIND SINK	1	
127		RIGHT DRAWER & HNDL	1	
128		LEFT " "	1	
129		RIGHT INSIDE OF CAB.	1	
130		LEFT INSIDE OF CAB.	1	

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
131	0730	RIGHT BOTTOM OF CAB.	1	See attached LSC Printout
132		LEFT " " "	1	
133		FLOOR	1	
134		FLOOR	1	
135		TOP SIDE OF HOOD	1	
136		BOTTOM SIDE OF HOOD	1	
137		PC1 FOR SHELF	1	
138		PC2 " "	1	
139		TOP WALL	1	
140		BOTTOM WALL	1	
141		FLOOR	1	
142		TOP SHELF LEFT CAB	1	
143		MIDDLE " " "	1	
144		BOTTOM " " "	1	
145		TOP SHELF RIGHT CAB	1	
146		MIDDLE " " "	1	
147		BOTTOM " " "	1	
148		WALL	1	
149		WALL	1	
150		TOP SHELF	1	
151		MIDDLE SHELF	1	
152		BOTTOM SHELF	1	
153		LEFT CUP	1	
154		RIGHT CUP	1	
155		DESK	1	
156		DESK DRAWERS & HANDLES	1	
157		PULL OUT TRAY	1	
158		TOP DRAWER	1	

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
159	0730	2ND DRAWER	1	See attached LSC Printout
160		3RD "	1	
161		MIDDLE DRAWER OUTSIDE	1	
162		" " "	1	
163		DRAWERS & HANDLS	1	
164		TOP DRAWER	1	
165		MIDDLE "	1	
166		BOTTOM "	1	
167		TOP OF CAB.	1	
168		CAB. DOORS & HANDLS	1	
169		TOP DRAWER	1	
170		BOTTOM DRAWER	1	
171		DOOR & HANDL	1	
172		FLOOR	1	
173		WALL	1	
174		DESK	1	
175		CHAIR	1	
176		PHONE	1	
177		TOP WALL	1	
178		BOTTOM WALL	1	
179		FLOOR	1	
180		FRONT OF SINKS	1	
181		GLASS	1	
182		GLASS	1	
183		DOOR & HANDL	1	
184		FLOOR	1	
185		DESK	1	
186		DESK	1	



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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
187	0730	WALL	1	See attached LSC Printout
188		WALL	1	
189		TOP SHELF	1	
190		2ND "	1	
191		3RD "	1	
192		BOTTOM "	1	
193		SHELF	1	
194		UPPER WALL	1	
195		LOWER WALL	1	
196		DOOR	1	
197		FLOOR	1	
198		SIDE OF CABINETS	1	
199		TOP SHELF OF CAB.	1	
200		2ND " " "	1	
201		BOTTOM " " "	1	
202		TOP SHELF OF CAB.	1	
203		2ND " " "	1	
204		BOTTOM " " "	1	
205		TOP SHELF	1	
206		MIDDLE "	1	
207		BOTTOM SHELF	1	
208		CUP	1	
209		COUNTER	1	
210		COUNTER	1	
211		PRINTER	1	
212		TOP OUTSIDE OF HOOD	1	
213		BOTTOM GLASS & SASH OF HOOD <sup>outside</sup>	1	
214		OUTSIDE TOP LEFT DRAWER & HANDLES	1	



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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
215	0730	INSIDE LEFT DRAWER	1	See attached LSC Printout
216		" 2ND "	1	
217		" 3RD "	1	
218		" 4TH "	1	
219		OUTSIDE 2ND DRAWERS & HANDLS <sup>down</sup>	1	
220		INSIDE LEFT "	1	
221		INSIDE RIGHT "	1	
222		OUTSIDE 3RD DRAWER down	1	
223		INSIDE " " "	1	
224		OUTSIDE 4TH " "	1	
225		INSIDE " " "	1	
226		OUTSIDE DRAWERS & HANDLS	1	
227		INSIDE TOP DRAWER	1	
228		" 2ND "	1	
229		" 3RD "	1	
230		" 4TH "	1	
231		" 5TH "	1	
232		OUTSIDE CAB. DOORS & HANDLS	1	
233		INSIDE LEFT SIDE OF CAB.	1	
234		" RIGHT SIDE OF CAB	1	
235		BOTTOM OF CAB	1	
236		FLOOR	1	
237		FLOOR	1	
238		CAB. DOORS & HANDLS	1	
239		TOP SHELF	1	
240		MIDDLE SHELF	1	
241		BOTTOM SHELF	1	
242		CAB DOORS & HANDLS	1	

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
243	0730	TOP SHELF	1	See attached LSC Printout
244		MIDDLE "	1	
245		BOTTOM "	1	
246		CAB. DOORS & HANDLS	1	
247		TOP SHELF	1	
248		MIDDLE "	1	
249		BOTTOM "	1	
250		COUNTER	1	
251		COUNTER	1	
252		COUNTER	1	
253		CHAIR	1	
254		DRAWERS & HANDLS	1	
255		TOP DRAWER	1	
256		2ND "	1	
257		3RD "	1	
258		4TH "	1	
259		5TH "	1	
260		CHAIR	1	
261		FLOOR	1	
262		DRAWERS & HANDLS	1	
263		TOP DRAWER	1	
264		MIDDLE "	1	
265		BOTTOM "	1	
266		<del>LOOK</del> <sup>EG</sup> DRAWERS & HANDLS	1	
267		TOP "	1	
268		2ND "	1	
269		3RD "	1	
270	✓	BOTTOM "	1	✓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
271	0730	DRAWERS & HANDLS	1	See attached LSC Printout
272		TOP DRAWER	1	
273		BOTTOM "	1	
274		DOORS & HANDLS	1	
275		TOP DRAWER	1	
276		BOTTOM DRAWER	1	
277		SHELF	1	
278		TOP SHELF	1	
279		MIDDLE SHELF	1	
280		BOTTOM SHELF	1	
281		WALL	1	
282		WALL ABOVE WINDOW	1	
283		WALL BELOW WINDOW	1	
284		UPPER WALL	1	
285		SHELF	1	
286		LOWER SIDE WALL	1	
287		DESK	1	
288		DRAWER & HNDL	1	
289		INSIDE DRAWER	1	
290		DRAWERS & HANDLS	1	
291		TOP DRAWER	1	
292		2ND "	1	
293		3RD "	1	
294		BOTTOM DRAWER	1	
295		CHAIR	1	
296		FLOOR	1	
297		RIGHT CAB. DOOR & HNDL	1	
298	✓	LEFT " " "	1	✓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
<del>299</del>	0730	BACK OF CAB. INSIDE	1	See attached LSC Printout
300		LEFT SIDE OF CAB. "	1	
301		RIGHT " " " "	1	
<del>302</del>		BOTTOM " " "	1	
303		CAB. door & HNDL	1	
304		BACK OF CAB.	1	
305		RIGHT SIDE OF CAB.	1	
306		BOTTOM OF CAB.	1	
307		CAB. door & HNDL	1	
308		BACK OF CAB.	1	
309		LEFT SIDE OF CAB.	1	
310		BOTTOM OF CAB	1	
311		FLOOR	1	
312		FLOOR	1	
313		FLOOR	1	
314		FLOOR	1	
315		FLOOR	1	
316		OUTSIDE TOP LEFT OF HOOD	1	
317		" <sup>TOP</sup> CENTER " "	1	
318		" TOP RIGHT " "	1	
319		INSIDE HOOD TOP RIGHT	1	
320		" " " CENTER	1	
321		" " " LEFT	1	
322		" " RIGHT UPPER BACK	1	
323		" " CENTER " "	1	
324		" " LEFT " "	1	
326		VENT	1	
327	✓	VENT	1	✓

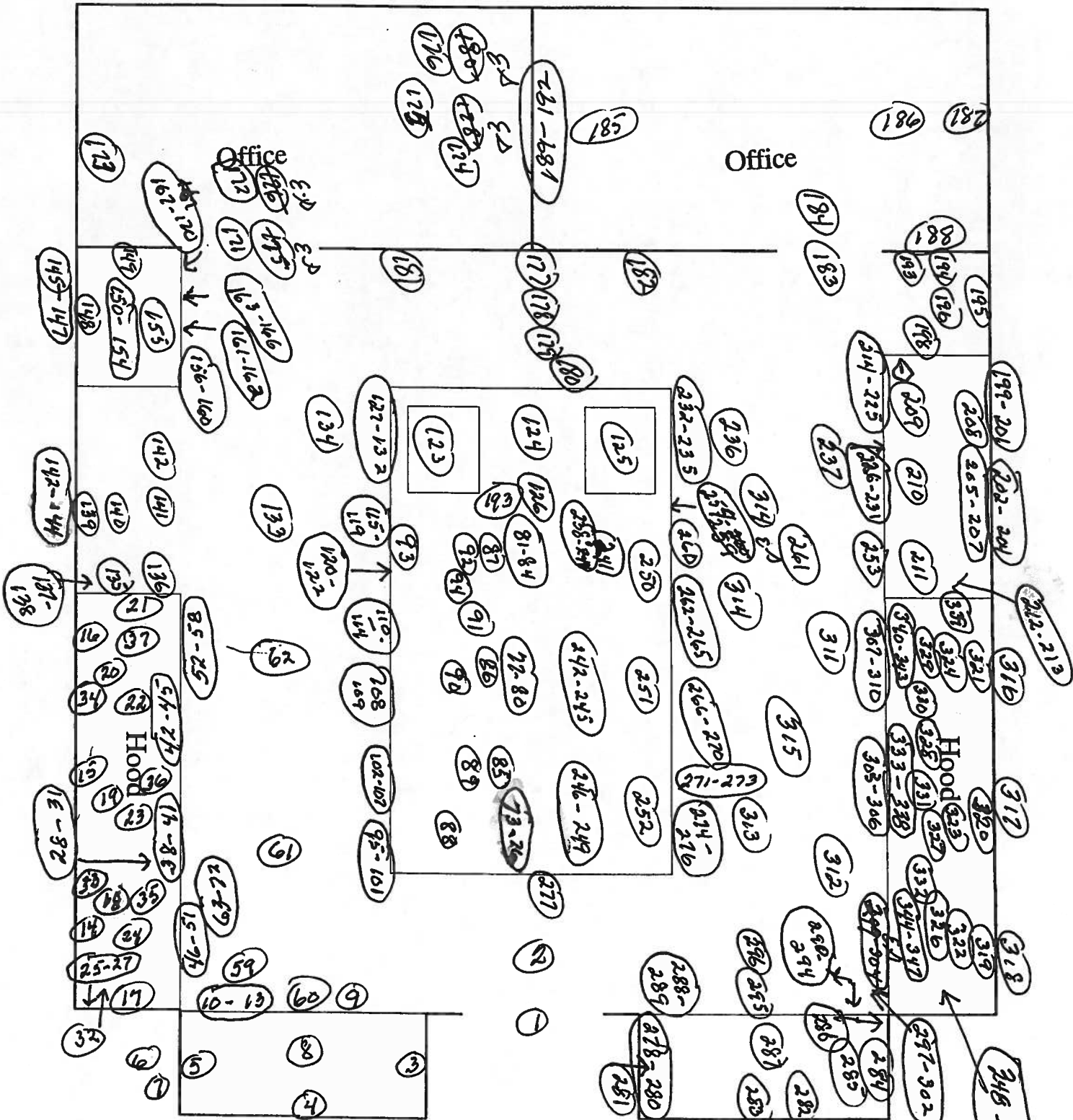
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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
328	0730	VENT	1	See attached LSC Printout
329		VENT	1	
330		BACK LEFT BOTTOM OF HOOD	1	
331		BACK CENTER " " "	1	
332		BACK RIGHT " " "	1	
333		LEFT SIDE OF HOOD	1	
334		CUP	1	
335		CENTER OF HOOD	1	
336		CUP	1	
337		RIGHT SIDE <sup>OFF</sup> HOOD	1	
338		SINK IN HOOD	1	
339		INSIDE HOOD GLASS	1	
340		" " " LEFT	1	
341		" " " RIGHT	1	
342		OUTSIDE " " LEFT	1	
343		" " " RIGHT	1	
344		INSIDE " " LEFT	1	
345		" " " RIGHT	1	
346 <sup>ED</sup>		OUTSIDE " " LEFT	1	
347 <sup>ED</sup>		" " " RIGHT	1	
348		TOP SHELF	1	
349		MIDDLE SHELF	1	
350		BOTTOM SHELF	1	✓
351		Part DECON of Area #1	1	
			1	
			1	
			1	
			1	

○ = wipe LOCATION



Surveyed 100% of lower surfaces using instrument # 2. All surfaces were noted to be at Normal Background with the following exception.

Inner drawer contaminated to a level of 1200dpm/100cm<sup>2</sup> 1260cpm Decayed to level of Normal Background.

26 JUL 2000 09:05

EVENTS: 10000  
 COUNT BLANK : YES 10# : NO SAMPLE REPEATS: 1 PRINTER : EDIT  
 TWO PHASE : NO AGC : YES REPLICATES : 1 R9332 : EDIT  
 SCINTILLATOR: LIQUID LUMEX: YES CYCLE REPEATS : 1  
 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 %
51	72.1	13.00	11.00	37.00	21.28	14.75	11.18
1	80.8	21.00	8.00	33.00	16.21	-4.22	7.98
2	83.0	19.00	11.00	42.00	11.08	-0.14	6.67
3	86.6	16.00	3.00	26.00	9.69	-10.89	11.13
4	85.0	14.00	18.00	37.00	-1.26	6.69	6.89
5	83.4	30.00	7.00	42.00	35.18	-5.67	6.71
6	86.8	12.00	10.00	38.00	-2.06	-1.38	9.57
7	84.7	27.00	14.00	48.00	25.92	3.83	6.44
8	87.3	11.00	9.00	37.00	-3.53	-2.72	9.01
9	85.4	11.00	16.00	34.00	-7.28	6.73	12.84
10	86.6	25.00	13.00	50.00	22.79	2.52	6.33
11	84.0	21.00	4.00	30.00	18.82	-9.61	16.75
12	83.0	12.00	11.00	33.00	-2.73	-0.04	7.28
13	84.6	37.00	6.00	40.00	34.99	-6.98	13.91
14	105.9	13.00	9.00	31.00	2.73	-2.63	13.65
15	106.9	15.00	6.00	29.00	9.15	-6.75	13.55
16	116.3	14.00	11.00	31.00	7.35	0.26	16.26
17	87.4	20.00	8.00	36.00	15.36	-4.18	11.44
18	89.4	13.00	10.00	31.00	0.24	-1.37	10.62
19	89.7	30.00	15.00	54.00	32.74	5.19	5.56
20	91.3	18.00	13.00	45.00	9.26	2.64	5.58
21	90.9	19.00	14.00	43.00	10.73	3.98	10.57
22	86.8	18.00	10.00	34.00	10.00	-1.46	9.02
23	84.5	19.00	9.00	38.00	12.34	-2.83	5.60
24	88.6	19.00	11.00	44.00	11.96	-0.10	6.84
25	98.1	12.00	10.00	34.00	-0.96	-1.30	8.99
26	88.7	10.00	4.00	25.00	-2.84	-9.46	6.81
27	88.6	18.00	6.00	34.00	12.53	-6.85	8.70
28	95.0	19.00	8.00	35.00	14.66	-4.13	13.26
29	98.6	13.00	14.00	38.00	-0.97	4.13	5.76
30	93.2	24.00	9.00	39.00	24.44	-2.84	12.30
31	95.6	20.00	10.00	59.00	15.82	-1.42	7.68
32	102.0	15.00	10.00	37.00	6.06	-1.32	15.00
33	110.6	12.00	10.00	34.00	0.45	-1.22	17.06
34	97.9	19.00	7.00	42.00	15.77	-5.48	10.44
35	92.1	32.00	9.00	57.00	40.77	-2.95	6.46
36	86.7	10.00	6.00	26.00	-4.05	-6.76	12.41
37	84.7	10.00	9.00	37.00	-4.99	-2.66	11.35
38	103.3	23.00	9.00	45.00	24.58	-2.78	18.09



SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
39	97.2	9.00	13.00	30.00	-8.60	1.45	12.21
40	90.6	18.00	13.00	37.00	5.03	2.66	8.63
41	102.2	14.00	9.00	31.00	4.45	-2.67	9.41
42	90.3	18.00	8.00	39.00	7.61	-4.11	7.53
43	91.8	19.00	15.00	43.00	10.35	5.35	7.35
44	94.3	3.00	6.00	17.00	-18.19	-6.64	18.06
45	72.7	22.00	11.00	46.00	18.92	-0.11	4.99
46	88.8	18.00	1.00	26.00	10.75	-13.60	13.09
47	83.8	12.00	15.00	38.00	-4.87	5.35	9.01
48	89.4	20.00	5.00	33.00	17.32	-8.23	9.11
49	94.6	15.00	7.00	24.00	6.66	-5.44	12.78
50	84.3	20.00	9.00	43.00	14.31	-2.84	5.90
51	87.6	20.00	10.00	37.00	14.40	-1.47	6.85
52	86.3	25.00	13.00	50.00	22.73	2.51	7.91
53	87.2	15.00	23.00	45.00	-2.66	16.17	9.13
54	98.1	16.00	9.00	38.00	8.22	-2.72	11.85
55	91.6	17.00	6.00	38.00	10.94	-6.83	8.23
56	114.5	12.00	12.00	29.00	-0.30	1.56	12.71
57	104.9	16.00	12.00	38.00	7.58	1.42	10.34
58	87.7	26.00	7.00	43.00	28.21	-5.60	5.37
59	91.4	18.00	8.00	31.00	11.93	-4.13	10.55
60	90.8	14.00	15.00	38.00	-0.19	5.40	10.73
61	87.3	14.00	13.00	34.00	1.05	1.31	21.90
62	90.5	20.00	10.00	39.00	14.86	-1.45	8.56
63	83.3	27.00	11.00	50.00	27.18	-0.23	4.24
64	89.7	12.00	8.00	35.00	-0.73	-4.07	7.68
65	83.0	21.00	11.00	39.00	15.08	-0.16	3.86
66	87.5	20.00	5.00	33.00	16.95	-8.24	4.43
67	81.7	28.00	13.00	51.00	27.75	2.44	4.57
68	80.9	21.00	3.00	37.00	18.74	-10.96	7.91
69	79.5	11.00	12.00	39.00	-5.64	1.28	4.82
70	84.6	14.00	7.00	28.00	3.31	-5.47	6.79
71	83.2	14.00	6.00	33.00	3.66	-6.82	6.96
72	83.3	27.00	13.00	51.00	26.12	2.47	8.57
73	82.3	27.00	8.00	49.00	28.43	-4.28	4.73
74	83.9	17.00	5.00	33.00	10.27	-8.21	3.37
75	83.1	20.00	8.00	37.00	14.62	-4.20	5.49
76	85.3	16.00	8.00	35.00	6.92	-4.14	7.18
77	83.2	19.00	9.00	36.00	12.13	-2.84	7.74
78	86.1	14.00	7.00	32.00	3.48	-5.46	5.49
79	85.7	12.00	15.00	38.00	-4.73	5.37	7.57
80	82.4	17.00	12.00	35.00	6.50	1.23	6.08
81	83.9	23.00	9.00	41.00	20.27	-2.88	6.06
82	86.0	25.00	13.00	44.00	22.67	2.51	9.94
83	85.2	25.00	15.00	58.00	21.48	5.21	5.67
84	81.2	21.00	7.00	37.00	16.78	-5.57	11.65
85	87.1	26.00	3.00	35.00	30.66	-12.37	5.07
86	83.6	20.00	9.00	40.00	14.53	-2.84	7.62
87	84.9	21.00	8.00	42.00	16.94	-4.20	5.54
88	82.4	23.00	10.00	50.00	19.47	-1.54	5.21
89	91.2	18.00	15.00	46.00	8.18	5.35	7.39
90	78.1	18.00	9.00	31.00	9.40	-2.85	5.73
91	100.8	18.00	13.00	40.00	10.77	2.72	15.77
92	83.1	17.00	13.00	43.00	6.09	2.59	8.27
93	80.0	19.00	13.00	44.00	9.65	2.54	5.06
94	216.7	13.00	27.00	48.00	11.93	25.14	14.82
95	84.2	22.00	10.00	42.00	17.80	-1.52	7.62
96	84.3	16.00	7.00	29.00	7.30	-5.49	9.28

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SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
97	84.0	20.00	13.00	41.00	12.23	2.56	4.95
98	85.3	19.00	10.00	44.00	11.95	-1.47	4.68
99	83.4	22.00	6.00	39.00	19.69	-6.92	6.50
100	91.8	13.00	11.00	33.00	-0.04	-0.00	6.52
101	83.5	14.00	10.00	34.00	1.64	-1.43	6.66
102	86.5	20.00	7.00	40.00	15.72	-5.53	7.64
103	85.8	17.00	17.00	42.00	4.37	8.01	6.92
104	80.1	17.00	11.00	35.00	6.72	-0.13	9.33
105	87.2	14.00	11.00	39.00	1.55	-0.05	4.35
106	87.7	23.00	9.00	42.00	21.55	-4.21	5.37
107	85.7	17.00	9.00	36.00	8.48	-2.80	4.03
108	86.8	16.00	5.00	31.00	8.68	-8.19	11.45
109	87.4	21.00	7.00	40.00	17.92	-5.54	8.12
110	85.1	20.00	10.00	42.00	13.93	-1.49	7.57
111	86.6	20.00	8.00	38.00	15.23	-4.18	5.43
112	85.0	27.00	9.00	49.00	28.55	-2.92	3.66
113	83.5	20.00	11.00	35.00	13.15	-0.15	7.12
114	87.5	21.00	8.00	36.00	17.43	-4.19	5.02
115	85.7	11.00	9.00	30.00	-3.58	-2.72	12.93
116	84.5	19.00	8.00	36.00	12.84	-4.18	6.92
117	88.4	25.00	7.00	42.00	26.32	-5.59	6.08
118	85.6	15.00	5.00	26.00	6.48	-8.18	8.74
119	82.0	15.00	4.00	33.00	6.51	-9.54	6.97
120	85.8	24.00	8.00	43.00	23.19	-4.23	5.44
121	85.7	14.00	12.00	36.00	0.87	1.29	7.32
122	84.9	20.00	8.00	36.00	14.92	-4.19	9.15
123	84.6	17.00	11.00	32.00	7.30	-0.10	6.84
124	86.0	14.00	8.00	27.00	2.96	-4.11	16.41
125	90.3	14.00	11.00	30.00	1.89	-0.03	6.08
126	88.6	31.00	11.00	53.00	36.61	-0.25	6.21
127	84.8	14.00	11.00	38.00	1.29	-0.07	4.60
128	87.3	14.00	10.00	32.00	2.07	-1.40	6.84
129	86.2	27.00	10.00	47.00	20.31	-1.57	9.66
130	85.1	15.00	6.00	29.00	5.90	-6.85	8.08
131	95.0	19.00	12.00	44.00	12.50	1.30	6.42
132	87.5	13.00	9.00	28.00	0.58	-2.74	12.62
133	83.9	24.00	5.00	32.00	24.31	-8.29	12.53
134	84.8	16.00	14.00	40.00	3.78	3.96	5.68
135	88.8	19.00	8.00	40.00	13.56	-4.16	5.41
136	87.0	14.00	6.00	34.00	4.12	-6.81	6.64
137	85.4	20.00	12.00	37.00	12.96	1.22	7.25
138	82.1	16.00	8.00	33.00	6.49	-4.16	8.98
139	83.4	18.00	13.00	43.00	8.13	2.58	6.59
140	84.9	14.00	9.00	28.00	2.32	-2.77	10.95
141	84.3	18.00	10.00	38.00	9.78	-1.47	4.81
142	84.6	10.00	10.00	31.00	-6.27	-1.37	8.19
143	88.0	18.00	8.00	39.00	11.38	-4.15	7.05
144	86.9	22.00	9.00	51.00	18.83	-2.85	3.86
145	83.4	21.00	7.00	37.00	17.17	-5.56	4.71
146	84.3	14.00	16.00	42.00	-1.32	6.68	5.20
147	85.3	8.00	13.00	34.00	-11.81	2.71	7.06
148	80.6	13.00	6.00	32.00	5.33	-6.85	5.61
149	86.4	30.00	7.00	47.00	36.00	-5.66	6.22
150	87.8	15.00	7.00	31.00	5.74	-5.47	11.61
151	89.8	14.00	10.00	30.00	2.35	-1.38	34.37
152	87.9	20.00	9.00	37.00	14.94	-2.82	9.04
153	90.1	10.00	15.00	37.00	-8.53	5.44	6.73
154	94.8	14.00	16.00	41.00	-0.32	6.80	7.13

SAM NO	HM	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
155	129.6	15.00	12.00	38.00	9.49	1.64	13.82
156	88.4	17.00	12.00	41.00	6.90	1.25	7.11
157	87.1	20.00	6.00	36.00	16.35	-6.88	7.01
158	87.8	13.00	8.00	32.00	1.12	-4.09	7.88
159	85.3	19.00	12.00	42.00	10.92	1.23	5.14
160	87.7	15.00	12.00	43.00	3.12	1.30	16.63
161	88.0	16.00	8.00	35.00	7.29	-4.13	7.03
162	86.3	19.00	15.00	43.00	9.82	5.31	8.92
163	87.2	17.00	7.00	34.00	9.74	-5.49	6.26
164	83.3	12.00	9.00	29.00	-1.85	-2.75	7.12
165	88.4	17.00	8.00	32.00	9.39	-4.14	7.85
166	85.8	16.00	7.00	29.00	7.51	-5.49	8.29
167	91.7	15.00	11.00	37.00	4.12	-0.03	4.68
168	88.4	17.00	9.00	41.00	8.88	-2.78	6.46
169	84.6	20.00	11.00	41.00	13.35	-0.14	3.09
170	88.8	21.00	8.00	37.00	17.68	-4.18	7.37
171	90.7	14.00	4.00	26.00	5.64	-9.51	10.14
172	86.4	21.00	9.00	42.00	16.70	-2.84	6.84
173	92.8	22.00	10.00	41.00	19.49	-1.46	7.38
174	85.4	21.00	3.00	35.00	19.60	-10.95	9.62
175	84.9	23.00	6.00	36.00	22.01	-6.93	6.48
176	84.6	25.00	13.00	46.00	22.39	2.50	4.74
177	85.8	20.00	5.00	31.00	16.63	-8.24	7.48
178	87.6	9.00	11.00	34.00	-8.63	0.02	6.67
179	84.3	11.00	5.00	26.00	-1.73	-8.13	13.22
180	84.1	19.00	7.00	37.00	13.29	-5.53	7.14
181	116.6	20.00	16.00	48.00	16.62	6.96	5.37
182	83.8	13.00	13.00	36.00	-1.84	2.64	10.29
183	82.5	22.00	7.00	36.00	19.00	-5.57	5.51
184	84.6	22.00	11.00	41.00	17.38	-0.16	6.48
185	85.6	19.00	9.00	33.00	12.51	-2.82	17.22
186	81.7	20.00	9.00	38.00	13.88	-2.86	4.95
187	87.0	17.00	10.00	39.00	8.14	-1.44	7.58
188	85.0	24.00	8.00	42.00	23.01	-4.24	7.97
189	87.6	14.00	9.00	40.00	2.63	-2.75	7.06
190	85.9	13.00	11.00	32.00	-0.62	-0.05	8.78
191	89.5	15.00	14.00	43.00	2.27	4.02	7.91
192	85.4	8.00	11.00	26.00	-10.77	0.01	7.22
193	87.2	24.00	15.00	52.00	19.85	5.24	5.21
194	90.4	12.00	8.00	25.00	-0.66	-4.06	13.45
195	86.4	18.00	9.00	40.00	10.61	-2.81	7.49
196	88.1	19.00	12.00	40.00	11.36	1.25	5.51
197	87.6	21.00	4.00	31.00	19.53	-9.60	7.00
198	86.2	19.00	7.00	42.00	13.64	-5.52	9.19
199	115.2	13.00	13.00	34.00	1.54	2.92	7.12
200	93.8	17.00	7.00	34.00	10.78	-5.47	8.49
201	85.8	15.00	7.00	28.00	5.87	-5.46	9.04
202	90.4	16.00	8.00	36.00	7.62	-4.11	6.97
203	81.7	18.00	5.00	31.00	11.93	-8.23	8.18
204	82.8	17.00	11.00	42.00	7.07	-0.12	11.76
205	84.7	16.00	8.00	34.00	6.84	-4.14	8.05
206	84.3	21.00	16.00	45.00	12.75	6.60	6.37
207	81.0	18.00	6.00	33.00	11.31	-6.88	6.65
208	111.8	16.00	5.00	30.00	12.94	-8.12	70.64
209	82.8	17.00	10.00	40.00	7.57	-1.47	16.68
210	82.0	22.00	7.00	44.00	18.92	-5.58	5.64
211	87.3	7.00	10.00	24.00	-12.21	-1.31	8.91
212	86.1	14.00	9.00	30.00	2.45	-2.76	14.80

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
213	85.0	18.00	11.00	39.00	9.37	-0.11	8.17
214	81.1	25.00	4.00	45.00	28.18	-9.67	5.56
215	83.1	19.00	9.00	42.00	12.12	-2.84	5.94
216	88.0	13.00	8.00	29.00	1.15	-4.09	11.48
217	84.1	18.00	12.00	36.00	8.73	1.23	7.88
218	83.8	17.00	7.00	35.00	9.24	-5.51	13.97
219	84.0	13.00	7.00	32.00	1.23	-5.46	7.49
220	81.4	13.00	8.00	25.00	0.47	-4.12	12.78
221	83.1	23.00	5.00	44.00	26.14	-8.31	7.53
222	83.2	24.00	7.00	37.00	23.15	-5.59	8.44
223	82.4	22.00	16.00	45.00	14.45	6.57	8.65
224	86.9	22.00	10.00	41.00	18.32	-1.50	9.34
225	85.2	17.00	12.00	39.00	6.85	1.25	8.67
226	79.3	13.00	10.00	27.00	-0.74	-1.44	6.22
227	89.4	19.00	6.00	35.00	14.02	-6.88	8.87
228	83.2	13.00	5.00	25.00	2.16	-8.16	9.80
229	84.4	16.00	5.00	30.00	8.33	-8.19	5.76
230	83.9	28.00	3.00	44.00	33.37	-11.04	6.57
231	85.0	20.00	11.00	44.00	13.40	-0.14	8.28
232	88.9	18.00	14.00	41.00	8.37	3.98	3.81
233	82.7	13.00	11.00	27.00	-0.93	-0.07	10.98
234	80.0	13.00	11.00	36.00	-1.18	-0.09	4.54
235	111.4	17.00	10.00	39.00	12.17	-1.28	16.76
236	83.6	18.00	10.00	38.00	9.68	-1.47	5.43
237	89.5	20.00	9.00	35.00	15.23	-2.81	5.28
238	81.8	15.00	10.00	35.00	3.46	-1.45	9.93
239	87.1	18.00	15.00	48.00	7.60	5.31	11.01
240	82.3	20.00	9.00	41.00	13.99	-2.85	4.35
241	85.6	19.00	4.00	28.00	15.09	-9.58	7.20
242	82.2	20.00	12.00	48.00	12.45	1.19	7.69
243	85.4	17.00	10.00	41.00	7.93	-1.45	5.01
244	84.2	19.00	11.00	39.00	11.27	-0.13	5.08
245	82.3	20.00	5.00	32.00	16.00	-8.25	8.49
246	82.6	17.00	10.00	39.00	7.54	-1.47	6.73
247	88.2	6.00	7.00	24.00	-12.65	-5.36	7.34
248	86.8	18.00	14.00	41.00	8.08	3.96	6.92
249	83.6	17.00	16.00	56.00	3.61	9.34	4.41
250	85.0	18.00	11.00	43.00	9.37	-0.11	7.76
251	83.8	13.00	11.00	32.00	-0.80	-0.08	8.11
252	89.7	17.00	12.00	39.00	0.23	4.03	8.11
253	82.1	12.00	12.00	36.00	-6.69	5.39	8.21
254	83.1	13.00	11.00	35.00	-0.89	-0.07	8.32
255	82.2	12.00	12.00	33.00	-3.95	2.64	5.96
256	87.2	19.00	13.00	43.00	10.70	2.60	6.72
257	86.6	12.00	11.00	36.00	-2.59	-0.03	8.15
258	82.3	14.00	7.00	33.00	3.05	-5.48	7.56
259	87.2	22.00	13.00	43.00	16.81	-2.56	5.18
260	82.9	11.00	12.00	33.00	-5.40	1.31	7.13
261	85.6	17.00	11.00	38.00	7.44	-0.10	5.43
262	86.9	14.00	9.00	32.00	2.55	-2.75	9.13
263	84.6	10.00	12.00	33.00	-7.30	1.33	9.95
264	87.3	12.00	5.00	32.00	0.59	-8.14	11.23
265	85.1	15.00	11.00	37.00	3.33	-0.08	5.54
266	84.7	21.00	10.00	35.00	15.89	-1.50	7.04
267	85.2	11.00	12.00	35.00	-5.25	1.32	7.96
268	85.1	25.00	8.00	49.00	25.05	-4.25	4.24
269	87.4	7.00	4.00	26.00	-9.08	-9.43	7.48
270	85.5	19.00	16.00	44.00	8.89	6.63	5.20

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
271	86.3	26.00	7.00	37.00	27.87	-5.61	7.90
272	86.3	12.00	13.00	35.00	-2.20	-1.39	10.60
273	87.6	15.00	12.00	39.00	5.81	1.24	7.24
274	87.6	12.00	11.00	29.00	-2.48	-0.02	9.27
275	86.0	22.00	7.00	35.00	19.11	-5.57	8.47
276	86.0	11.00	15.00	35.00	-6.74	5.39	8.26
277	95.0	18.00	21.00	46.00	5.46	13.54	11.56
278	85.7	17.00	9.00	40.00	8.48	-2.60	6.16
279	86.0	12.00	16.00	43.00	-6.25	9.43	5.21
280	85.6	17.00	13.00	36.00	-1.69	2.65	5.16
281	85.2	17.00	10.00	30.00	7.90	-1.45	6.20
282	85.4	14.00	12.00	33.00	0.84	1.29	5.64
283	85.5	18.00	9.00	33.00	10.18	-2.82	8.80
284	87.6	9.00	6.00	27.00	-7.06	-4.04	11.81
285	89.5	25.00	10.00	47.00	25.00	-1.52	4.94
286	89.3	17.00	8.00	35.00	9.53	-4.13	6.49
287	86.9	11.00	12.00	32.00	-4.97	1.35	8.88
288	86.8	16.00	10.00	35.00	6.09	-1.43	6.75
289	84.2	19.00	11.00	41.00	11.27	-0.13	6.29
290	84.8	17.00	6.00	38.00	9.89	-6.86	4.82
291	86.6	12.00	4.00	29.00	0.93	-9.49	7.11
292	85.8	21.00	13.00	43.00	14.54	2.56	7.03
293	86.6	21.00	10.00	41.00	16.22	-1.49	6.74
294	87.6	13.00	8.00	32.00	1.10	-4.09	6.39
295	85.2	21.00	7.00	40.00	17.15	-5.56	5.00
296	81.6	17.00	6.00	32.00	9.43	-6.87	6.25
297	87.8	14.00	9.00	33.00	2.65	-2.75	3.48
298	87.1	22.00	10.00	41.00	18.36	-1.50	6.21
299	89.8	16.00	12.00	42.00	9.56	1.28	4.24
300	84.0	26.00	7.00	44.00	27.33	-5.62	5.16
301	80.9	23.00	9.00	45.00	19.68	-2.90	3.54
302	88.2	18.00	12.00	37.00	9.32	1.26	11.75
303	85.9	20.00	10.00	35.00	14.08	-1.48	4.20
304	93.1	22.00	19.00	48.00	14.70	10.75	6.28
305	86.2	21.00	6.00	36.00	18.21	-6.90	7.10
306	93.9	16.00	11.00	36.00	10.74	-0.05	6.00
307	86.1	21.00	9.00	38.00	16.65	-2.84	7.90
308	88.4	13.00	5.00	31.00	1.19	-4.09	8.11
309	84.9	21.00	9.00	41.00	16.42	-2.85	4.63
310	90.8	21.00	8.00	31.00	18.07	-4.17	6.24
311	84.9	14.00	11.00	35.00	1.30	-0.06	7.75
312	83.9	17.00	9.00	34.00	8.23	-2.81	10.00
313	84.9	8.00	12.00	29.00	-11.31	1.36	6.00
314	83.3	20.00	9.00	46.00	14.15	-2.85	7.73
315	81.2	18.00	10.00	34.00	9.34	-1.49	8.96
316	79.4	14.00	9.00	36.00	1.73	-2.80	4.65
317	84.9	15.00	11.00	34.00	5.33	-0.09	7.60
318	85.1	18.00	6.00	32.00	11.96	-6.87	8.34
319	85.7	13.00	2.00	31.00	3.99	-12.21	7.22
320	111.9	19.00	21.00	51.00	10.24	13.78	4.48
321	85.4	20.00	13.00	42.00	12.44	2.57	7.39
322	85.4	23.00	7.00	35.00	21.59	-5.57	6.30
323	93.4	15.00	8.00	35.00	5.96	-4.09	7.12
324	84.6	14.00	7.00	37.00	3.31	-5.47	6.78
325	102.3	32.00	11.00	44.00	23.19	-0.06	12.64
326	94.5	20.00	10.00	37.00	15.61	-1.43	6.45
327	99.5	19.00	12.00	39.00	13.28	1.34	7.61
328	96.5	15.00	10.00	42.00	5.30	-1.35	6.13

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
327	79.4	19.00	6.00	35.00	13.04	-6.90	4.26
330	86.2	25.00	6.00	44.00	26.34	-6.95	7.12
331	90.1	13.00	9.00	35.00	0.85	-2.72	7.84
332	91.7	11.00	3.00	26.00	-1.01	-8.11	10.54
333	95.8	14.00	22.00	42.00	-4.28	14.81	5.23
334	105.5	27.00	13.00	49.00	31.80	2.64	11.68
335	88.2	15.00	6.00	31.00	6.31	-6.82	12.96
336	101.7	17.00	11.00	44.00	9.85	0.02	11.67
337	88.3	15.00	17.00	36.00	0.57	8.07	11.34
338	95.8	17.00	9.00	35.00	10.01	-2.74	12.75
339	86.7	15.00	2.00	26.00	8.18	-12.23	10.14
340	94.2	13.00	7.00	26.00	2.38	-5.42	10.14
341	89.4	13.00	11.00	31.00	-0.28	-0.02	9.42
342	84.1	26.00	7.00	43.00	27.34	-5.62	6.17
343	84.7	13.00	15.00	38.00	-2.78	5.35	7.70
344	92.9	18.00	9.00	37.00	11.64	-2.77	6.12
345	94.1	21.00	10.00	39.00	17.63	-1.44	3.53
346	85.8	13.00	10.00	33.00	-0.14	-1.40	4.61
347	110.0	8.00	9.00	27.00	-8.24	-2.54	14.04
348	113.0	22.00	8.00	41.00	25.43	-4.09	6.96
349	102.8	12.00	13.00	31.00	-2.17	2.82	10.61
350	111.0	16.00	12.00	39.00	8.56	1.47	8.75



# ID:WIPE SURVEY

27 JUL 2000 14:23

USER: 2 COMMENT: DECOMMISSION

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 AQC : 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: 1.0000 BKG. SUB: 0

ISOTOPE 2: 14C %ERROR: 2.00 FACTOR: 1.0000 BKG. SUB: 0

WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.0000 BKG. SUB: 0

BACKGROUND QUENCH CURVE: Off COLOR QUENCH CORRECTION: Off

Quench Limits Low: 13.688 High: 306.34

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %	
B1	80.6	18.00	11.00	36.00	33.08	14.44	1.87	
		Blank Average	DPM	for	3H :	33.08	COEF. OF VAR:	0.000
		Blank Average	DPM	for	14C :	14.44	COEF. OF VAR:	0.000
351	69.6	16.00	3.00	28.00	-1.81	-10.70	15.55	