

## Radiological Survey Sheet

Job Location 118C/ C320 Page 1 of 30  
 Survey Purpose LAB CLOSE OUT Date 11-29-00  
 Performed By E. GAILOR (Print) E. Gailor (Sign)

Inst.(1) Beckman LS 6500 (Model/SN) #7069448	Inst.(2) <u>Wdium 224-2</u> (Model/SN) # <u>163603</u>	Inst.(3) (Model/SN)
Det. Internal (Model/SN)	Det. <u>Wdium 43-68</u> (Model/SN) # <u>PR149613</u>	Det. (Model/SN)
Eff. See LSC Printout	Eff. = <u>87% C14</u>	Eff.
Type rad. $\beta$	Type rad. $\beta$	Type rad.
Bkgd. See LSC Printout	Bkgd. <u>300 cpm</u>	Bkgd.
Cal. Due: 12/00	Cal. Due <u>2/13/01</u>	Cal. due

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
1.	1200	DOOR & HNDL	1	See attached LSC Printout
2.		FLOOR	1	
3.		UPPER WALL	1	
4.		PHONE	1	
5.		LOWER WALL	1	
6.		UPPER "	1	
7.		LOWER "	1	
8.		FAN	1	
9.		Cold BOX DOORS & HNDLS	1	
10.		" " UPPER BACK LEFT	1	
11.		" " LOWER " "	1	
12.		" " " BOTTOM	1	
13.		" " UPPER SIDE LEFT	1	
14.		" " LOWER " LEFT	1	
15.		" " UPPER " RIGHT	1	
16.		" " LOWER " "	1	
17.		" " UPPER BACK RIGHT	1	
18.		" " LOWER " "	1	

Radiological Survey Continuation Sheet

Page 2 of 30

Date 11-29-30

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
19	1200	Cold Box Lower Bottom RIGHT	1	See attached LSC Printout
20	↑	" " UPPER SHELF LEFT	1	
21		" " middle " "	1	
22		" " Bottom " "	1	
23		" " UPPER " RIGHT	1	
24		" " 2nd " "	1	
25		" " 3rd " "	1	
26		" " Bottom " "	1	
27		FLOOR	1	
28		UPPER SIDE OF HOOD	1	
29		LOWER " " "	1	
30		Cold Box SHELF	1	
31		INSIDE PLASTIC CONTAINER	1	(See # 477)
32		OUTSIDE " "	1	
33		PC OF PLASTIC	1	
34		LEAD PC #1	1	
35		" PC #2	1	
36		TRAY #1	1	
37		" #2	1	
38		" #3	1	
39		" #4	1	
40		" #5	1	
41		" #6	1	
42		" #7	1	
43		" #8	1	
44		" #9	1	
45		TOP RAD TRAY	1	
46	↓	BOTTOM " "	1	✓

Radiological Survey Continuation Sheet

Page 3 of 30

Date 11-29-00 <sup>00</sup> E.

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
47	1200	CASSETTE # 1	1	See attached LSC Printout
48	↑	" # 2	1	
49		" # 3	1	
50		" # 4	1	
51		" # 5	1	
52		" # 6	1	
53		" # 7	1	
54		" # 8	1	
55		" # 9	1	
56		" # 10	1	
57		" # 11	1	
58		PC # 12	1	
59		PIPETTER # 1	1	
60		" # 2	1	
61		" # 3	1	
62		" # 4	1	(See #492)
63		" # 5	1	(See #493)
64		PLASTIC PC	1	
65		TWEEZERS	1	
66		INSIDE BOX OF SLIDES	1	
67		OUTSIDE " " "	1	
68		HOOD UPPER LEFT VENT	1	
69		" " RIGHT "	1	
70		" " LEFT TOP	1	
71		" " RIGHT "	1	
72		" LOWER BACK LEFT	1	
73		" " LEFT MIDDLE VENT	1	
74	↓	" " BOTTOM LEFT VENT	1	✓

Radiological Survey Continuation Sheet

Page 4 of 30

Date 11-29-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
75	1200	Hand lower BACK RIGHT	1	See attached LSC Printout
76	∧	" lower middle VENT	1	
77		" " BOTTOM "	1	
78		" LEFT SIDE	1	
79		" RIGHT "	1	
80		" BOTTOM LEFT	1	
81		" " RIGHT	1	
82		" CUP	1	
83		" INSIDE GLASS & SASH	1	
84		" OUTSIDE " & "	1	
85		" LIP	1	
86		INSIDE PLASTIC BOTTLE #1	1	✓ rad waste
87		OUTSIDE " " #1	1	
88		INSIDE " " #2	1	✓ rad waste
89		OUTSIDE " " #2	1	
90		INSIDE " " #3	1	* rad waste
91		OUTSIDE " " #3	1	* rad waste
92		INSIDE " " #4	1	
93		OUTSIDE " " #4	1	
94		INSIDE " " #5	1	
95		OUTSIDE " " #5	1	
96		INSIDE " " #6	1	* rad waste
97		OUTSIDE " " #6	1	
98		INSIDE " " #7	1	* rad waste
99		OUTSIDE " " #7	1	
100		CLAMP #1	1	
101		" #2	1	
102	∨	INSIDE PIG	1	∨

Radiological Survey Continuation Sheet

Page 5 of 30

Date 11-29-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
103	1200	OUTSIDE P16	1	See attached LSC Printout
104	↑	INSIDE CAB BOARD BOX	1	
105		OUTSIDE " " "	1	
106		PC OF 2X4	1	
107		RAD CON CAN #1	1	
108		" " " #2	1	
109		" " " #3	1	
110		" " " #4	1	
111		SPRAY BOTTLE	1	
112		PLASTIC PC 1	1	
113		" PC 2	1	
114		" PC 3	1	
115		RAD CAN INSIDE	1	(See #491)
116		" " OUTSIDE	1	
117		CAB. DOORS & HANDLS	1	
118		LEFT SIDE OF CAB	1	
119		BACK OF CAB	1	
120		RIGHT SIDE OF CAB	1	
121		BOTTOM OF CAB	1	
122		CAB. DOORS & HANDLS	1	
123		BACK OF CAB	1	
124		LEFT SIDE OF CAB	1	
125		RIGHT " " "	1	
126		BOTTOM OF CAB	1	
127		FLOOR	1	
128		UPPER WALL	1	
129		LOWER "	1	
130	✓	METAL PC'S ON FLOOR	1	✓

Radiological Survey Continuation Sheet

Page 6 of 30

Date 11-29-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
131	1200	COMPUTER MONITOR	1	See attached LSC Printout
132	A	COMPUTER	1	
133		'' KEY Bd	1	
134		'' MOUSE	1	
135		TOP SHELF OF CART	1	
136		MIDDLE '' '' ''	1	
137		BOTTOM '' '' ''	1	
138		CAB. doors & HANDLS	1	
139		TOP SHELF	1	
140		2ND ''	1	
141		3RD ''	1	
142		BOTTOM ''	1	
143		CAB. doors & HANDLS	1	
144		TOP SHELF	1	
145		2ND ''	1	
146		3RD ''	1	
147		BOTTOM ''	1	
148		CAB. doors & HANDLS	1	
149		TOP DRAWER SHELF	1	
150		2ND ''	1	
151		3RD ''	1	
152		BOTTOM ''	1	
153		WALL UNDER CABS.	1	
154		LEDGE	1	
155		LOWER WALL	1	
156		FLOOR	1	
157		DRAWERS & HANDLS	1	
158	✓	TOP DRAWER	1	✓

Radiological Survey Continuation Sheet

Page 7 of 30

Date 11-29-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
159	1200	MIDDLE DRAWER	1	See attached LSC Printout
160	↗	BOTTOM "	1	
161		DRAWER & HNDL	1	
162		DRAWER	1	
163		TOP SHELF	1	
164		2ND "	1	
165		3RD "	1	
166		4TH "	1	
167		BOTTOM "	1	
168		SHELF	1	
169		DESK	1	
170		LAMP	1	
171		TOP SHELF	1	
172		BOTTOM "	1	
173		COUNTER	1	
174		CUP	1	
175		TOP SHELF	1	
176		BOTTOM "	1	
177		COUNTER	1	
178		CUP	1	
179		DRAWERS & HNDLS	1	
180		TOP DRAWER	1	
181		2ND "	1	
182		3RD "	1	
183		BOTTOM "	1	
184		DRAWERS & HNDLS	1	
185		TOP DRAWER	1	
186	✓	2ND "	1	✓



Radiological Survey Continuation Sheet

Page 8 of 30

Date 11-29-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
187	1200	3rd DRAWER	1	See attached LSC Printout
188	↑	Bottom "	1	
189		DRAWER & HNDL	1	
190		DRAWER	1	
191		FLOOR UNDER COUNTER	1	
192		DRAWERS & HNDLS	1	
193		TOP DRAWER	1	
194		2nd "	1	
195		3rd "	1	
196		Bottom "	1	
197		IN MAC	1	
198		COUNTER	1	
199		"	1	
200		"	1	
201		Side OF COUNTER	1	
202		" " "	1	
203		PC OF PLASTIC	1	
204		FLOOR	1	
205		FLOOR	1	
206		REFRIG doors & HNDLS	1	
207		BACK OF FREEZER	1	
208		LEFT side OF "	1	
209		RIGHT " " "	1	
210		Bottom OF FREEZER	1	
211		TOP SHELF IN FREEZER	1	
212		Bottom " " "	1	
213		BACK OF FRIG.	1	
214		LEFT side " "	1	



Radiological Survey Continuation Sheet

Page 9 of 30

Date 11-29-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
215	1200	RIGHT SIDE OF REFRIG	1	See attached LSC Printout
216		BOTTOM " "	1	
217		TOP SHELF " "	1	
218		2ND " " "	1	
219		3RD " " "	1	
220		BLN IN "	1	
221		TOP SHELF ON REFRIG. DOOR	1	
222		2ND " " "	1	
223		3RD " " "	1	
224		BOTTOM " " "	1	
225		DAIRY CASE " " "	1	
226		DRAWER & HNDL	1	
227		DRAWER	1	
228		FLOOR UNDER COUNTER	1	
229		DRAWERS & HNDLS	1	
230		TOP DRAWER	1	
231		2ND "	1	
232		3RD "	1	
233		BOTTOM "	1	
234		FLOOR	1	
235		"	1	
236		"	1	
237		"	1	
238		FLOOR UNDER COUNTER	1	
239		DRAWERS & HNDLS	1	
240		TOP DRAWER	1	
241		2ND "	1	
242		3RD "	1	

Radiological Survey Continuation Sheet

Page 10 of 30

Date 11-29-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
243	1200	BOTTOM DRAWER	1	See attached LSC Printout
244		COUNTER	1	
245		"	1	
246		"	1	
247		TOP SHELF	1	
248		2ND "	1	
249		3RD "	1	
250		BOTTOM "	1	
251		SHELF	1	
252		DESK	1	
253		DRAWER & HNDL	1	
254		DRAWER	1	
255		DRAWERS & HNDLS	1	
256		TOP DRAWER	1	
257		2ND "	1	
258		BOTTOM "	1	
259		CABINET DOORS & HNDLS	1	
260		TOP SHELF	1	
261		2ND "	1	
262		3RD "	1	
263		BOTTOM "	1	
264		CAB. DOORS & HNDLS	1	
265		TOP SHELF	1	
266		2ND "	1	
267		3RD "	1	
268		BOTTOM "	1	
269		SHELF	1	
270		DESK	1	

Radiological Survey Continuation Sheet

Page 11 of 30

Date 11-30-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
271	11-30-00 8800	TOP SHELF	1	See attached LSC Printout
272	↑	2ND "	1	
273		3RD "	1	
274		BOTTOM "	1	
275		DRAWERS & HANDLS	1	
276		TOP DRAWER	1	
277		2ND "	1	
278		BOTTOM "	1	
279		DRAWER & HANDL	1	
280		DRAWER	1	
281		WALL Below CABs.	1	
282		LEDGE	1	
283		LOWER WALL	1	
284		FLOOR	1	
285		DRAWERS & HANDLS	1	
286		TOP DRAWER	1	
287		2ND "	1	
288		3RD "	1	
289		BOTTOM "	1	
290		DRAWER & HANDL	1	
291		DRAWER	1	
292		FLOOR UNDER COUNTER	1	
293		DRAWERS & HANDLS	1	
294		TOP DRAWER	1	
295		2ND "	1	
296		3RD "	1	
297		BOTTOM "	1	
298	✓	OUTSIDE REFRIG	1	✓

Radiological Survey Continuation Sheet

Page 12 of 30

Date 11-30-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
299	0800	BACK OF REFRIG	1	See attached LSC Printout
300		LEFT side of "	1	
301		RIGHT " " "	1	
302		BOTTOM " "	1	
303		TRAY IN BOTTOM	1	
304		TOP door SHELF	1	
305		middle " "	1	
306		Bottom " "	1	
307		TOP SHELF IN REFRIG	1	
308		Bottom " " "	1	
309		DRAWERS & HANDLS	1	
310		TOP DRAWER	1	
311		TRAY IN TOP DRAWER	1	
312		2ND "	1	
313		3RD "	1	
314		BOTTOM "	1	
315		TOP SHELF	1	
316		BOTTOM "	1	
317		COUNTER	1	
318		CUP	1	
319		TOP SHELF	1	
320		BOTTOM "	1	
321		COUNTER	1	
322		CUP	1	
323		COUNTER	1	
324		"	1	
325		"	1	
326	✓	"	1	✓

Radiological Survey Continuation Sheet

Page 13 of 30

Date 11-30-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
327	0800	FLOOR	1	See attached LSC Printout
328		"	1	
329		"	1	
330		"	1	
331		DRAWER & HNDL	1	
332		DRAWER	1	
333		TRAY IN DRAWER	1	
334		CAB. DOORS & HNDLS	1	
335		TOP SHELF	1	
336		BOTTOM "	1	
337		BACK OF CAB	1	
338		LEFT SIDE OF CAB	1	
339		RIGHT " " "	1	
340		DRAWER & HNDL	1	
341		DRAWER	1	
342		FLOOR UNDER COUNTER	1	
343		DRAWERS & HNDLS	1	
344		TOP DRAWER	1	
345		2ND "	1	
346		3RD "	1	
347		BOTTOM "	1	
348		REGULATOR	1	
349		VALVES	1	
350		DRAWER & HNDL	1	
351		DRAWER	1	
352		FLOOR UNDER COUNTER	1	
353		DRAWERS & HNDLS	1	
354		TOP DRAWER	1	

Radiological Survey Continuation Sheet

Page 14 of 30

Date 11-30-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
355	0800	TRAY IN TOP DRAWER	1	See attached LSC Printout
356	↑	2ND DRAWER	1	
357		3RD "	1	
358		BOTTOM "	1	
359		DRAWER & HNDL	1	
360		DRAWER	1	
361		DRAWERS & HNDLS	1	
362		TOP DRAWER	1	
363		MIDDLE "	1	
364		BOTTOM "	1	
365		<del>DRAWERS</del> CAB. DOORS & HNDLS	1	
366		TOP SHELF	1	
367		2ND "	1	
368		3RD "	1	
369		BOTTOM SHELF	1	
370		TOP SHELF	1	
371		2ND "	1	
372		3RD "	1	
373		BOTTOM "	1	
374		SHELF	1	
375		DESK	1	
376		UPPER WALL	1	
377		LOWER "	1	
378		UPPER "	1	
379		LOWER "	1	
380		FLOOR	1	
381		FLOOR	1	
382		UPPER WALL	1	



Radiological Survey Continuation Sheet

Page 15 of 30

Date 11-30-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
383	0800	LOWER WALL	1	See attached LSC Printout
384	↑	UPPER "	1	
385		LOWER "	1	
386		FLOOR	1	
387		"	1	
388		"	1	
389		"	1	
390		UPPER WALL	1	
391		LOWER "	1	
392		FLOOR	1	
393		"	1	
394		"	1	
395		"	1	
396		"	1	
397		METAL TABLE	1	
398		PHONE	1	
399		TOP SHELF OF CART	1	
400		CART TOP	1	
401		PLASTIC TRAY	1	
402		SHELF	1	
403		UPPER WALL	1	
404		LOWER "	1	
405		PC OF SHELF	1	
406		FLOOR	1	
407		UPPER WALL	1	
408		LOWER "	1	
409		FLOOR	1	
410	↓	"	1	✓



Radiological Survey Continuation Sheet

Page 16 of 30

Date 11-30-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
411	0800	FLOOR	1	See attached LSC Printout
412		FRONT CAB door	1	
413		MIDDLE " "	1	
414		BACK " "	1	
415		UPPER WALL	1	
416		LOWER "	1	
417		UPPER "	1	
418		LOWER "	1	
419		FLOOR	1	
420		"	1	
421		Side of SINK	1	
422		FLOOR	1	
423		OUT SIDE FREEZER	1	
424		BACK OF "	1	
425		LEFT side of "	1	
426		RIGHT " "	1	
427		BOTTOM OF "	1	
428		TOP SHELF	1	
429		2ND "	1	
430		3RD "	1	
431		BOTTOM "	1	
432		TOP SHELF ON door	1	
433		2ND " " "	1	
434		3RD " " "	1	
435		4TH " " "	1	
436		5TH " " "	1	
437		BOTTOM " " "	1	
438	↓	side of CAB.	1	↓

Radiological Survey Continuation Sheet

Page 17 of 30

Date 11-30-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
439	0800	SIDE OF CAB	1	See attached LSC Printout
440	↑	FLOOR	1	
441		FLOOR	1	
442		FLOOR	1	
443		TOP SHELF	1	
444		BOTTOM "	1	
445		PEG BOARD BEHIND SINK	1	
446		TRAY " "	1	
447		CAB. DOORS & HANDLS	1	
448		TOP SHELF	1	
449		2ND "	1	
450		3RD "	1	
451		BOTTOM "	1	
452		CAB. <sup>EA</sup> DOORS & HANDLS	1	
453		TOP SHELF	1	
454		2ND "	1	
455		3RD "	1	
456		BOTTOM "	1	
457		CAB. DOORS & HANDLS	1	
458		BACK OF CAB.	1	
459		LEFT SIDE OF CAB.	1	
460		RIGHT " " "	1	
461		TRAY IN CAB.	1	
462		BOTTOM OF CAB.	1	
463		DRAWERS & HANDLS	1	
464		TOP DRAWER	1	
465		2ND "	1	
466	✓	3RD "	1	✓

Radiological Survey Continuation Sheet

Page 18 of 30

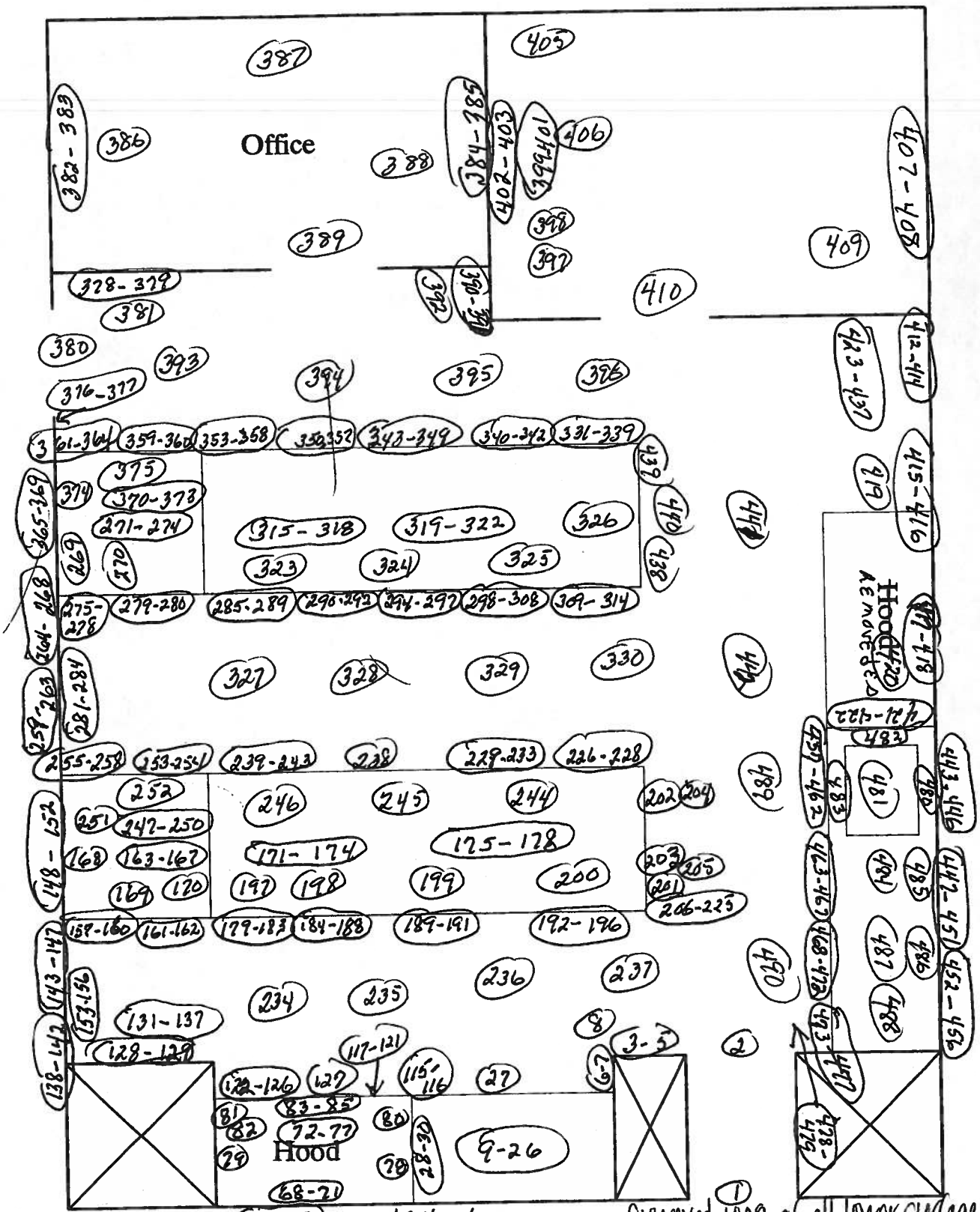
Date 11-30-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
467	0800	BOTTOM DRAWER	1	See attached LSC Printout
468	↑	DRAWER & HNDL	1	
469		DRAWER	1	
470		TOP WIRE BASKET	1	
471		BOTTOM " "	1	
472		FLOOR BELOW COUNTER	1	
473		DRAWERS & HNDLS	1	
474		TOP DRAWER	1	
475		2ND "	1	
476		3RD "	1	
477		BOTTOM "	1	
478		UPPER WALL	1	
479		LOWER "	1	
480		BEHIND SINK	1	
481		INSIDE "	1	
482		COUNTER	1	
483		1 SINK LEDGE	1	
484		COUNTER	1	
485		CUP	1	
486		WALL BELOW CAB.	1	
487		COUNTER	1	
488		COUNTER	1	
489		FLOOR	1	
490	✓	FLOOR	1	
491	✓	POST DECIM # 31	1	
492		#61	1	
493		#62	1	
494	✓	#115	1	re-Quinte ✓

# Bld. 118C Room C320

Date: 11-29-00

○ = wipe location



31-67 INSIDE HOOD  
 86-114 IN CAB. UNDER HOOD

Surveyed 100% of all lower surfaces using instrument #2. All areas were noted to be at a level of normal background.

ID: EQUIPMENT SURVY  
USER: 1 COMMENT:

30 NOV 2000 07:45

RESET 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: 1.000000 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	83.6	32.00	6.00	44.00	61.03	7.71	5.92
1	77.4	16.00	10.00	40.00	-34.83	5.55	0.81
2	86.3	15.00	5.00	31.00	-33.17	-1.14	1.57
3	81.3	17.00	9.00	32.00	-31.87	4.22	1.43
4	84.8	23.00	17.00	52.00	-23.40	14.97	1.68
5	80.2	19.00	10.00	38.00	-28.58	5.53	2.04
6	81.1	11.00	9.00	30.00	-43.78	4.29	1.65
7	82.8	24.00	7.00	38.00	-16.68	1.44	2.45
8	106.2	21.00	14.00	43.00	-21.86	11.14	6.49
9	82.9	18.00	9.00	36.00	-29.66	4.21	0.65
10	81.0	18.00	9.00	33.00	-29.93	4.20	2.40
11	83.1	22.00	10.00	43.00	-22.16	5.52	1.04
12	84.8	19.00	4.00	25.00	-24.81	-2.54	8.02
13	80.8	25.00	9.00	51.00	-16.12	4.12	1.41
14	82.7	24.00	6.00	35.00	-16.20	0.09	1.73
15	82.1	21.00	4.00	34.00	-21.29	-2.57	2.27
16	88.4	20.00	7.00	37.00	-23.67	1.51	5.03
17	80.7	17.00	10.00	31.00	-32.45	5.56	1.82
18	77.8	18.00	9.00	39.00	-30.39	4.19	1.42
19	82.0	24.00	10.00	43.00	-18.36	5.49	6.40
20	78.4	10.00	6.00	24.00	-44.46	0.24	4.47
21	78.5	20.00	5.00	34.00	-24.40	-1.22	11.36
22	85.7	19.00	13.00	40.00	-29.28	9.62	1.93
23	87.0	16.00	12.00	33.00	-34.67	8.32	6.59
24	83.3	25.00	11.00	43.00	-16.62	6.83	2.62
25	84.5	20.00	13.00	40.00	-27.45	9.60	2.39
26	78.9	22.00	13.00	52.00	-24.38	9.53	1.50
27	90.7	14.00	11.00	34.00	-37.82	7.02	3.04
28	90.3	16.00	12.00	33.00	-34.26	8.34	2.66
29	84.8	17.00	13.00	37.00	-33.44	9.64	2.93
30	82.8	23.00	7.00	38.00	-18.69	1.45	3.44
31	94.5	149.00	15.00	172.00	246.04	10.76	1.66
32	94.8	19.00	17.00	45.00	-30.02	15.13	2.59
33	91.4	17.00	7.00	35.00	-29.37	1.56	2.29
34	89.3	28.00	16.00	52.00	-11.78	13.60	1.81
35	86.6	60.00	7.00	78.00	57.27	1.02	1.29
36	84.6	24.00	10.00	41.00	-17.83	5.50	2.31
37	85.4	15.00	14.00	36.00	-37.93	11.02	2.47
38	81.7	9.00	9.00	24.00	-47.70	4.31	2.42

NOT TWICE ED  
BACK  
GROUND

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
39	85.9	26.00	8.00	43.00	-12.49	2.78	2.82
40	87.2	25.00	17.00	52.00	-18.90	14.97	0.88
41	90.7	19.00	15.00	43.00	-29.56	12.37	1.71
42	88.0	13.00	14.00	33.00	-41.73	11.07	3.57
43	85.5	19.00	10.00	33.00	-27.76	5.57	2.89
44	85.7	13.00	8.00	28.00	-38.84	2.94	4.90
45	82.3	17.00	10.00	42.00	-32.25	5.57	2.95
46	82.8	22.00	13.00	40.00	-23.71	9.56	2.44
47	86.6	20.00	10.00	43.00	-25.57	5.56	1.81
48	89.5	17.00	10.00	34.00	-31.25	5.62	4.76
49	83.8	26.00	8.00	44.00	-12.97	2.77	2.09
50	83.6	9.00	8.00	29.00	-47.08	2.98	1.63
51	88.9	19.00	3.00	34.00	-23.54	-3.89	1.90
52	92.7	13.00	12.00	40.00	-40.22	8.40	2.35
53	95.1	25.00	9.00	39.00	-12.88	4.19	3.20
54	86.6	20.00	6.00	34.00	-23.49	0.15	3.19
55	84.1	11.00	11.00	29.00	-44.56	7.00	3.50
56	89.1	14.00	9.00	30.00	-36.95	4.30	4.07
57	89.7	20.00	8.00	39.00	-23.97	2.87	1.59
58	92.9	23.00	9.00	44.00	-17.60	4.21	3.07
59	85.9	17.00	3.00	26.00	-28.15	-3.87	4.01
60	92.0	17.00	12.00	36.00	-31.94	8.34	2.54
61	88.2	70.00	12.00	91.00	76.12	7.66	1.09
62	85.7	642.00	14.00	667.00	1231.24	3.43	0.13
63	87.3	28.00	9.00	47.00	-8.61	4.12	2.02
64	86.6	23.00	12.00	46.00	-20.49	8.23	1.41
65	84.7	26.00	11.00	42.00	-14.30	6.83	4.20
66	87.5	16.00	22.00	46.00	-39.82	21.85	2.27
67	83.4	11.00	12.00	31.00	-45.12	8.35	3.67
68	94.1	23.00	17.00	47.00	-21.68	15.07	2.90
69	93.8	20.00	7.00	34.00	-22.65	1.53	2.99
70	97.0	24.00	11.00	40.00	-15.65	6.93	3.00
71	100.9	17.00	10.00	40.00	-29.47	5.69	5.16
72	95.5	18.00	13.00	35.00	-29.85	9.72	2.76
73	91.7	14.00	5.00	25.00	-34.51	-1.11	2.97
74	97.2	23.00	8.00	34.00	-16.09	2.87	3.05
75	91.4	23.00	15.00	51.00	-21.13	12.33	2.44
76	92.3	18.00	12.00	43.00	-29.81	8.33	1.67
77	91.9	18.00	6.00	31.00	-26.67	0.20	1.95
78	88.4	15.00	7.00	30.00	-33.94	1.57	4.64
79	88.3	22.00	8.00	36.00	-20.13	2.84	2.90
80	98.9	22.00	11.00	44.00	-19.53	6.97	4.22
81	97.7	27.00	10.00	51.00	-8.46	5.54	3.56
82	110.2	26.00	15.00	51.00	-10.05	12.47	4.71
83	93.7	13.00	7.00	34.00	-37.42	1.62	5.68
84	84.8	15.00	10.00	29.00	-35.94	5.61	6.22
85	88.7	25.00	7.00	42.00	-13.36	1.45	6.08
86	88.4	28.00	34.00	103.00	-21.40	37.95	1.73
87	78.1	22.00	6.00	35.00	-21.06	0.10	0.73
88	89.2	248.00	8.00	267.00	445.54	0.06	0.31
89	89.7	40.00	8.00	57.00	17.33	2.63	1.82
90	91.1	14744.00	91.00	14843.00	30543.10	-67.74	0.01
91	86.6	218.00	10.00	233.00	376.82	3.15	0.76
92	85.8	31.00	14.00	58.00	-5.48	10.83	3.43
93	88.3	27.00	12.00	51.00	-11.95	8.19	3.86
94	89.1	21.00	11.00	37.00	-23.59	6.92	4.13
95	89.2	37.00	12.00	56.00	8.85	8.08	3.20
96	87.5	360.00	13.00	386.00	667.20	5.47	0.29

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
7	79.8	27.00	7.00	40.00	-11.40	1.40	0.70
98	87.9	9587.00	63.00	9662.00	19522.66	-39.81	0.02
99	89.8	29.00	9.00	45.00	-5.90	4.12	1.26
100	91.3	20.00	10.00	37.00	-24.73	5.59	2.42
101	88.7	27.00	9.00	49.00	-10.29	4.13	10.92
102	92.8	24.00	9.00	43.00	-15.53	4.19	3.23
103	94.3	23.00	11.00	41.00	-18.39	6.93	1.68
104	92.6	20.00	8.00	39.00	-23.42	2.89	2.79
105	85.5	25.00	15.00	48.00	-18.22	12.25	2.15
106	110.3	15.00	11.00	37.00	-33.02	7.15	10.37
107	95.4	18.00	14.00	40.00	-30.41	11.08	3.61
108	92.1	16.00	10.00	40.00	-32.95	5.64	3.36
109	96.2	15.00	10.00	35.00	-34.49	5.68	3.21
110	97.7	28.00	8.00	46.00	-5.21	2.81	1.87
111	89.3	15.00	15.00	38.00	-38.02	12.41	2.92
112	88.4	21.00	12.00	44.00	-24.25	8.27	3.89
113	90.4	32.00	11.00	52.00	-0.55	6.79	3.47
114	106.5	7.00	9.00	19.00	-50.49	4.49	9.55
115	76.9	229.00	7.00	246.00	379.85	-0.97	0.28
116	78.1	20.00	7.00	33.00	-25.46	1.47	1.73
117	84.7	17.00	8.00	37.00	-30.90	2.88	1.35
118	89.5	22.00	13.00	49.00	-22.50	9.62	1.88
119	85.3	17.00	10.00	37.00	-31.84	5.59	4.52
120	88.5	20.00	10.00	36.00	-25.23	5.57	3.71
121	98.1	26.00	13.00	48.00	-12.18	9.64	3.26
122	88.9	14.00	12.00	31.00	-38.55	8.36	2.44
123	86.0	17.00	12.00	40.00	-32.77	8.30	1.98
124	86.5	25.00	14.00	49.00	-17.50	10.91	4.43
125	87.0	15.00	15.00	36.00	-38.27	12.39	5.21
126	94.5	13.00	12.00	39.00	-40.04	8.41	3.33
127	102.6	20.00	12.00	44.00	-23.68	8.39	3.40
128	85.4	13.00	9.00	32.00	-39.39	4.29	2.62
129	85.6	18.00	7.00	38.00	-28.23	1.53	5.02
130	93.0	18.00	17.00	47.00	-32.38	15.12	1.94
131	85.4	28.00	11.00	45.00	-10.11	6.81	1.74
132	89.3	14.00	13.00	32.00	-39.02	9.71	3.25
133	90.7	21.00	14.00	43.00	-24.89	10.99	4.06
134	92.3	10.00	9.00	30.00	-44.93	4.37	1.18
135	94.4	19.00	13.00	38.00	-27.90	9.70	2.35
136	85.5	19.00	18.00	43.00	-31.88	16.38	7.32
137	94.1	29.00	11.00	47.00	-5.75	6.85	4.85
138	86.7	17.00	7.00	33.00	-30.08	1.54	7.01
139	93.4	20.00	12.00	41.00	-25.43	8.32	7.30
140	88.3	17.00	14.00	42.00	-33.51	11.02	2.63
141	92.6	26.00	14.00	47.00	-14.08	10.95	2.36
142	89.8	23.00	15.00	41.00	-21.44	12.32	3.51
143	83.3	23.00	12.00	44.00	-21.13	8.20	2.39
144	89.6	18.00	6.00	33.00	-27.05	0.19	3.82
145	88.2	18.00	12.00	42.00	-30.42	8.30	3.44
146	85.3	21.00	11.00	42.00	-24.27	6.89	2.33
147	86.0	17.00	12.00	40.00	-32.77	8.30	2.94
148	97.4	19.00	16.00	49.00	-29.06	13.80	2.75
149	94.6	23.00	7.00	42.00	-16.14	1.50	2.62
150	86.9	13.00	11.00	31.00	-40.27	7.00	2.92
151	94.9	20.00	13.00	44.00	-25.71	9.69	5.43
152	87.2	19.00	15.00	42.00	-30.09	12.34	2.18
153	85.2	28.00	9.00	42.00	-9.13	4.11	2.42
154	84.3	21.00	10.00	44.00	-23.93	5.54	3.14



SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
155	93.6	12.00	8.00	23.00	-40.08	2.99	8.56
156	98.3	21.00	9.00	44.00	-20.70	4.26	5.88
157	112.1	16.00	7.00	28.00	-27.97	1.66	11.68
158	90.9	14.00	16.00	42.00	-40.46	13.79	3.49
159	90.0	21.00	13.00	37.00	-24.48	9.63	3.61
160	91.5	13.00	11.00	34.00	-39.81	7.03	3.61
161	89.9	21.00	13.00	41.00	-24.50	9.63	3.29
162	86.7	11.00	8.00	24.00	-42.81	2.97	8.56
163	85.7	17.00	6.00	31.00	-29.73	0.19	2.53
164	99.7	13.00	9.00	26.00	-37.80	4.37	6.51
165	91.0	21.00	15.00	50.00	-25.37	12.35	1.39
166	88.0	13.00	11.00	29.00	-40.17	7.01	3.03
167	91.2	17.00	20.00	49.00	-36.32	19.18	2.73
168	94.4	22.00	16.00	51.00	-23.20	13.73	2.04
169	88.2	24.00	15.00	53.00	-19.70	12.29	2.96
170	89.8	16.00	10.00	31.00	-33.26	5.63	3.86
171	86.7	18.00	7.00	31.00	-28.05	1.53	2.34
172	85.8	18.00	9.00	38.00	-29.23	4.23	2.73
173	87.8	22.00	11.00	41.00	-21.79	6.90	3.15
174	106.9	22.00	8.00	36.00	-15.93	2.92	9.81
175	84.2	18.00	7.00	34.00	-28.45	1.52	2.61
176	86.3	32.00	10.00	49.00	-1.25	5.41	3.62
177	87.3	18.00	11.00	33.00	-30.03	6.94	2.53
178	97.9	24.00	6.00	43.00	-12.65	0.14	4.23
179	90.4	28.00	18.00	55.00	-12.55	16.32	2.01
180	92.6	17.00	18.00	43.00	-35.08	16.49	8.92
181	89.0	15.00	15.00	39.00	-38.05	12.41	2.37
182	98.1	14.00	16.00	42.00	-39.73	13.87	2.58
183	88.5	19.00	13.00	38.00	-28.86	9.65	4.00
184	89.7	15.00	16.00	36.00	-38.50	13.77	1.61
185	92.1	18.00	11.00	33.00	-29.30	6.98	5.16
186	88.5	20.00	15.00	50.00	-27.86	12.34	2.98
187	88.2	13.00	9.00	34.00	-39.10	4.30	3.09
188	93.8	24.00	9.00	41.00	-15.31	4.20	6.12
189	88.4	20.00	9.00	43.00	-24.72	4.22	4.55
190	87.8	28.00	9.00	51.00	-8.46	4.12	4.17
191	96.8	29.00	13.00	50.00	-6.09	9.59	4.44
192	84.3	18.00	8.00	32.00	-28.94	2.87	3.16
193	90.8	20.00	5.00	31.00	-22.17	-1.19	14.91
194	90.6	15.00	16.00	46.00	-38.41	13.78	2.69
195	96.7	18.00	10.00	41.00	-28.01	5.65	16.18
196	92.1	33.00	7.00	48.00	4.20	1.36	3.55
197	94.1	25.00	9.00	42.00	-13.12	4.19	3.66
198	91.6	21.00	10.00	41.00	-22.60	5.58	18.85
199	88.0	23.00	4.00	34.00	-16.05	-2.58	4.25
200	88.2	19.00	6.00	30.00	-25.25	0.17	4.77
201	91.4	12.00	8.00	33.00	-40.30	2.98	3.66
202	95.0	12.00	11.00	38.00	-41.57	7.07	5.58
203	91.2	17.00	14.00	37.00	-33.11	11.05	3.67
204	98.8	20.00	14.00	43.00	-25.54	11.08	3.10
205	100.9	17.00	16.00	42.00	-32.86	13.86	4.53
206	84.7	19.00	6.00	31.00	-25.84	0.16	4.81
207	88.1	17.00	14.00	38.00	-33.53	11.02	3.55
208	88.7	13.00	11.00	28.00	-40.10	7.01	4.22
209	91.9	20.00	13.00	42.00	-26.23	9.66	1.54
210	82.2	18.00	6.00	32.00	-28.26	0.16	4.11
211	85.7	21.00	8.00	41.00	-22.65	2.84	4.47
212	89.6	17.00	7.00	33.00	-29.64	1.55	4.87

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
213	84.2	21.00	10.00	41.00	-23.95	5.53	1.28
214	87.7	26.00	10.00	43.00	-13.10	5.49	2.96
215	86.8	21.00	19.00	50.00	-28.16	17.72	1.81
216	93.1	17.00	8.00	37.00	-29.63	2.93	1.56
217	88.4	18.00	7.00	30.00	-27.78	1.54	3.16
218	83.8	18.00	10.00	37.00	-30.03	5.57	6.77
219	91.4	16.00	8.00	32.00	-31.97	2.93	5.46
220	89.4	17.00	11.00	32.00	-31.78	6.97	5.31
221	85.2	17.00	7.00	27.00	-30.30	1.54	8.69
222	84.0	15.00	11.00	35.00	-36.54	6.96	2.82
223	89.6	18.00	9.00	35.00	-28.63	4.25	3.13
224	87.4	16.00	13.00	39.00	-35.14	9.67	3.69
225	86.1	19.00	12.00	38.00	-28.70	8.27	2.86
226	100.0	24.00	9.00	46.00	-13.80	4.23	3.98
227	92.2	20.00	14.00	41.00	-26.71	11.02	3.23
228	138.2	19.00	11.00	43.00	-16.72	7.30	20.30
229	90.2	13.00	10.00	37.00	-39.41	5.67	2.94
230	89.0	22.00	11.00	44.00	-21.55	6.91	2.33
231	88.4	17.00	9.00	32.00	-30.87	4.26	4.58
232	86.7	18.00	7.00	32.00	-28.05	1.53	3.21
233	90.6	15.00	10.00	35.00	-35.22	5.65	5.24
234	99.9	22.00	8.00	40.00	-17.62	2.89	3.37
235	92.2	21.00	13.00	44.00	-24.09	9.65	3.18
236	95.0	19.00	9.00	36.00	-25.62	4.27	8.24
237	91.3	21.00	8.00	36.00	-21.58	2.87	4.33
238	98.1	17.00	8.00	33.00	-28.81	2.95	6.59
239	75.8	23.00	7.00	37.00	-20.04	1.43	1.13
240	93.8	18.00	6.00	37.00	-26.34	0.20	3.57
241	88.7	20.00	10.00	46.00	-25.19	5.57	3.28
242	87.9	24.00	12.00	45.00	-18.19	8.23	10.98
243	88.5	12.00	2.00	20.00	-37.45	-5.16	4.69
244	89.5	18.00	13.00	39.00	-30.76	9.67	3.14
245	86.4	22.00	10.00	43.00	-21.53	5.54	3.89
246	87.2	17.00	5.00	30.00	-28.97	-1.16	5.48
247	102.2	24.00	7.00	41.00	-12.09	1.51	5.75
248	93.3	18.00	4.00	30.00	-25.34	-2.51	7.69
249	90.8	27.00	8.00	46.00	-9.23	2.79	3.02
250	88.6	18.00	14.00	46.00	-31.42	11.01	2.85
251	89.1	18.00	13.00	40.00	-30.82	9.66	2.61
252	84.5	16.00	12.00	34.00	-34.99	8.30	2.70
253	90.1	13.00	14.00	38.00	-41.54	11.09	3.85
254	92.0	18.00	9.00	38.00	-28.25	4.26	3.31
255	90.5	25.00	11.00	48.00	-15.05	6.88	3.71
256	92.3	12.00	9.00	33.00	-40.75	4.34	3.42
257	88.5	22.00	16.00	46.00	-24.27	13.67	2.02
258	102.2	17.00	11.00	37.00	-29.81	7.06	4.18
259	84.8	18.00	7.00	36.00	-28.35	1.52	13.69
260	95.9	18.00	11.00	37.00	-28.69	7.00	5.29
261	92.3	19.00	8.00	40.00	-25.57	2.90	5.19
262	91.8	18.00	10.00	32.00	-28.81	5.62	6.96
263	89.6	25.00	17.00	56.00	-18.40	15.00	2.51
264	89.0	23.00	13.00	40.00	-20.54	9.60	3.27
265	85.1	20.00	9.00	40.00	-25.29	4.20	5.45
266	89.7	25.00	15.00	55.00	-17.33	12.29	2.47
267	91.9	22.00	12.00	45.00	-21.51	8.28	5.70
268	104.0	18.00	10.00	32.00	-26.71	5.70	8.06
269	90.7	16.00	9.00	29.00	-32.61	4.28	4.19
270	93.3	18.00	11.00	35.00	-29.11	6.98	2.02

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
1	98.3	10.00	10.00	35.00	-45.00	5.76	5.28
272	78.3	18.00	9.00	36.00	-30.32	4.19	2.89
273	81.4	22.00	11.00	35.00	-22.96	6.85	3.06
274	79.7	21.00	11.00	45.00	-25.21	6.85	2.17
275	80.8	22.00	9.00	36.00	-22.06	4.15	2.23
276	82.2	17.00	9.00	35.00	-31.75	4.22	2.75
277	78.1	21.00	8.00	38.00	-24.00	2.81	2.45
278	93.1	22.00	12.00	41.00	-21.28	8.29	9.93
279	79.1	19.00	8.00	36.00	-27.75	2.83	2.39
280	77.9	19.00	7.00	41.00	-27.44	1.48	2.08
281	78.1	21.00	12.00	44.00	-25.96	8.19	1.27
282	78.1	24.00	10.00	39.00	-19.12	5.46	1.71
283	78.7	23.00	4.00	37.00	-18.01	-2.60	2.12
284	85.3	15.00	12.00	37.00	-36.90	8.32	5.13
285	78.2	27.00	6.00	42.00	-11.28	0.04	1.34
286	75.5	12.00	7.00	30.00	-41.30	1.55	1.58
287	73.9	21.00	10.00	39.00	-25.66	5.47	0.84
288	75.7	23.00	15.00	45.00	-23.94	12.18	1.03
289	83.3	24.00	9.00	40.00	-17.60	4.14	1.91
290	77.3	18.00	11.00	42.00	-31.43	6.87	1.59
291	105.3	15.00	11.00	33.00	-33.78	7.11	8.58
292	92.3	18.00	7.00	35.00	-27.12	1.55	3.62
293	79.7	14.00	5.00	29.00	-35.99	-1.14	2.89
294	83.7	25.00	7.00	42.00	-14.51	1.43	2.40
295	80.6	24.00	12.00	49.00	-19.65	8.17	1.63
296	99.0	9.00	14.00	32.00	-49.34	11.23	2.36
297	87.3	20.00	9.00	42.00	-24.92	4.21	2.19
298	79.6	18.00	9.00	34.00	-30.13	4.20	2.00
299	77.3	17.00	15.00	41.00	-35.34	12.27	1.82
300	78.8	20.00	8.00	40.00	-25.84	2.82	1.62
301	79.5	17.00	7.00	34.00	-31.12	1.51	2.49
302	77.5	12.00	10.00	32.00	-42.60	5.60	3.05
303	78.2	22.00	12.00	45.00	-24.00	8.18	1.49
304	80.2	20.00	13.00	46.00	-28.10	9.56	2.28
305	78.4	32.00	11.00	54.00	-3.93	6.72	1.62
306	80.7	19.00	7.00	32.00	-27.00	1.49	3.42
307	78.3	18.00	14.00	40.00	-32.79	10.92	2.95
308	82.0	22.00	14.00	44.00	-24.36	10.90	2.12
309	83.3	26.00	14.00	48.00	-16.13	10.87	2.92
310	82.1	14.00	10.00	34.00	-38.23	5.61	9.78
311	81.0	16.00	11.00	33.00	-34.90	6.92	7.00
312	84.1	20.00	9.00	37.00	-25.46	4.20	3.06
313	81.9	21.00	8.00	42.00	-23.34	2.82	3.40
314	75.6	25.00	10.00	46.00	-17.67	5.44	1.37
315	84.0	18.00	12.00	37.00	-31.03	8.27	1.99
316	80.9	17.00	10.00	42.00	-32.43	5.56	4.60
317	82.0	10.00	9.00	32.00	-45.69	4.30	3.80
318	123.6	15.00	14.00	34.00	-32.71	11.39	11.55
319	77.8	17.00	8.00	33.00	-31.84	2.85	2.57
320	76.1	19.00	12.00	37.00	-30.15	8.20	1.86
321	77.2	24.00	7.00	45.00	-17.83	1.42	1.91
322	92.6	17.00	12.00	39.00	-31.86	8.35	5.55
323	85.0	19.00	16.00	48.00	-30.92	13.67	3.98
324	80.6	17.00	13.00	37.00	-33.97	9.60	4.63
325	83.6	20.00	8.00	39.00	-25.04	2.84	3.12
326	83.8	25.00	10.00	40.00	-15.99	5.48	7.53
327	92.7	16.00	11.00	29.00	-33.40	7.01	13.23
328	86.9	21.00	7.00	31.00	-21.91	1.49	4.08

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
330	85.3	18.00	13.00	35.00	-31.36	9.63	2.99
331	81.5	12.00	14.00	39.00	-44.28	11.02	2.32
332	77.6	28.00	13.00	47.00	-12.92	9.45	1.58
333	80.7	21.00	8.00	43.00	-23.55	2.82	1.96
334	81.1	28.00	9.00	44.00	-10.12	4.09	2.24
335	78.5	23.00	14.00	50.00	-22.99	10.86	10.64
336	77.1	14.00	6.00	24.00	-36.78	0.19	2.43
337	77.8	22.00	10.00	36.00	-23.08	5.48	1.71
338	79.8	25.00	8.00	42.00	-15.83	2.77	1.89
339	79.2	24.00	9.00	45.00	-18.43	4.12	0.83
340	79.5	15.00	12.00	38.00	-37.53	8.27	3.74
341	87.2	29.00	8.00	50.00	-6.07	2.75	2.93
342	94.0	15.00	6.00	32.00	-32.62	0.24	5.66
343	97.6	22.00	10.00	42.00	-19.26	5.60	5.43
344	87.6	24.00	6.00	45.00	-15.14	0.11	2.66
345	85.9	20.00	9.00	37.00	-25.16	4.21	3.20
346	95.1	21.00	4.00	33.00	-18.63	-2.55	10.21
347	90.0	24.00	8.00	38.00	-15.64	2.82	2.73
348	93.6	16.00	11.00	36.00	-33.27	7.01	5.96
349	85.7	20.00	11.00	43.00	-26.22	6.91	6.19
350	91.4	23.00	12.00	44.00	-19.54	8.26	2.43
351	86.1	17.00	8.00	34.00	-30.70	2.89	3.35
352	90.1	28.00	9.00	41.00	-7.88	4.13	3.02
353	115.2	11.00	8.00	26.00	-39.85	3.12	10.98
354	88.2	15.00	7.00	34.00	-33.96	1.57	2.48
355	86.1	17.00	9.00	32.00	-31.21	4.24	3.46
356	83.8	21.00	14.00	47.00	-26.06	10.93	2.71
357	84.8	18.00	13.00	39.00	-31.42	9.63	5.88
358	85.7	16.00	7.00	33.00	-32.26	1.55	4.12
359	94.2	10.00	9.00	27.00	-44.78	4.38	7.34
360	86.2	11.00	10.00	31.00	-43.88	5.67	2.49
361	84.0	21.00	5.00	39.00	-21.43	-1.22	5.62
362	85.6	27.00	13.00	54.00	-13.11	9.52	6.66
363	90.6	19.00	13.00	43.00	-28.53	9.66	2.64
364	85.4	22.00	11.00	41.00	-22.22	6.88	2.31
365	96.3	20.00	6.00	33.00	-21.60	0.18	46.05
366	87.3	19.00	3.00	28.00	-23.84	-3.89	6.25
367	85.8	17.00	11.00	39.00	-32.28	6.94	5.73
368	85.6	16.00	11.00	39.00	-34.34	6.95	3.61
369	88.4	21.00	11.00	44.00	-23.73	6.91	2.57
370	85.6	18.00	6.00	39.00	-27.71	0.17	4.28
371	121.7	19.00	8.00	34.00	-19.24	3.03	9.38
372	95.8	19.00	14.00	48.00	-28.22	11.07	5.07
373	88.2	20.00	16.00	44.00	-28.42	13.69	3.27
374	89.1	18.00	11.00	34.00	-29.77	6.96	6.90
375	90.8	17.00	6.00	33.00	-28.93	0.20	4.21
376	95.2	18.00	13.00	41.00	-29.89	9.71	3.27
377	82.7	22.00	8.00	45.00	-21.21	2.82	3.62
378	89.4	12.00	13.00	31.00	-43.14	9.74	4.05
379	87.3	19.00	15.00	43.00	-30.07	12.34	2.76
380	88.3	23.00	15.00	47.00	-21.73	12.30	2.94
381	100.4	21.00	9.00	43.00	-20.26	4.27	5.45
382	91.8	27.00	7.00	48.00	-8.42	1.44	4.79
383	86.0	17.00	11.00	35.00	-32.25	6.95	3.15
384	84.3	23.00	14.00	42.00	-21.97	10.91	2.06
385	86.1	18.00	13.00	40.00	-31.25	9.64	2.82
386	84.2	20.00	15.00	43.00	-28.52	12.30	2.40
387	99.1	16.00	12.00	41.00	-33.04	8.41	8.12

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
387	100.1	24.00	13.00	46.00	-16.02	9.68	3.79
388	115.2	12.00	9.00	30.00	-38.10	4.48	8.00
389	92.9	21.00	15.00	46.00	-25.03	12.37	3.61
390	87.3	18.00	6.00	37.00	-27.43	0.18	1.42
391	90.6	11.00	7.00	35.00	-41.93	1.63	3.86
392	108.9	16.00	10.00	32.00	-30.35	5.75	4.80
393	95.4	19.00	8.00	34.00	-25.00	2.91	3.68
394	92.1	25.00	7.00	41.00	-12.52	1.46	2.69
395	90.9	20.00	14.00	38.00	-26.92	11.01	7.49
396	95.7	22.00	9.00	40.00	-19.10	4.23	3.61
397	89.8	18.00	12.00	37.00	-30.19	8.31	7.30
398	86.4	17.00	12.00	37.00	-32.72	8.30	3.09
399	84.7	18.00	7.00	35.00	-28.36	1.52	2.27
400	97.8	25.00	4.00	41.00	-9.42	-2.60	3.64
401	80.1	35.00	6.00	54.00	4.93	-0.04	2.33
402	83.8	27.00	15.00	53.00	-14.53	12.21	3.06
403	83.3	29.00	7.00	42.00	-6.57	1.38	2.26
404	81.8	23.00	11.00	45.00	-20.90	6.84	2.06
405	88.5	29.00	11.00	52.00	-7.28	6.82	3.49
406	85.2	18.00	12.00	36.00	-30.86	8.28	3.68
407	83.4	22.00	10.00	46.00	-22.09	5.52	2.24
408	83.2	18.00	7.00	35.00	-28.59	1.52	4.60
409	87.7	18.00	7.00	37.00	-27.90	1.53	2.78
410	86.9	21.00	10.00	43.00	-23.46	5.55	2.45
411	86.0	24.00	6.00	42.00	-15.49	0.10	2.46
412	85.3	17.00	12.00	38.00	-32.86	8.29	9.10
413	85.9	9.00	9.00	24.00	-47.44	4.34	4.13
414	97.1	25.00	9.00	42.00	-12.37	4.20	5.11
415	86.0	18.00	11.00	36.00	-30.23	6.93	2.79
416	91.5	24.00	9.00	45.00	-15.84	4.19	5.29
417	85.0	20.00	10.00	37.00	-25.82	5.55	3.31
418	86.1	18.00	13.00	42.00	-31.25	9.64	4.51
419	100.4	24.00	10.00	37.00	-14.26	5.59	12.79
420	122.2	19.00	12.00	41.00	-21.73	8.56	21.87
421	87.8	25.00	11.00	38.00	-15.65	6.86	4.08
422	101.8	18.00	9.00	39.00	-26.54	4.32	13.93
423	80.8	19.00	11.00	35.00	-29.00	6.89	2.65
424	84.8	18.00	12.00	42.00	-30.92	8.28	1.76
425	84.0	25.00	13.00	48.00	-17.49	9.54	2.12
426	85.3	20.00	11.00	36.00	-26.28	6.90	2.63
427	82.1	22.00	6.00	36.00	-20.31	0.12	3.05
428	83.4	21.00	7.00	35.00	-22.56	1.48	6.84
429	84.9	19.00	12.00	42.00	-28.89	8.26	2.35
430	86.8	28.00	8.00	45.00	-8.20	2.76	2.29
431	84.0	26.00	9.00	49.00	-13.43	4.12	3.12
432	85.7	21.00	15.00	46.00	-26.26	12.30	2.45
433	89.7	27.00	10.00	48.00	-10.57	5.49	3.37
434	89.5	19.00	3.00	29.00	-23.43	-3.89	2.99
435	88.1	18.00	12.00	41.00	-30.44	8.30	6.66
436	86.7	21.00	14.00	43.00	-25.58	10.96	2.96
437	83.0	34.00	12.00	54.00	0.78	8.07	1.95
438	90.7	21.00	15.00	45.00	-25.42	12.35	2.98
439	85.5	24.00	12.00	49.00	-18.69	8.21	7.61
440	95.9	15.00	13.00	33.00	-36.17	9.76	5.24
441	91.1	16.00	4.00	31.00	-29.89	-2.49	4.03
442	95.8	19.00	10.00	36.00	-26.03	5.63	4.30
443	99.8	24.00	11.00	45.00	-14.98	6.95	5.90
444	97.7	21.00	9.00	37.00	-20.83	4.26	3.95

RASE: *sp*

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
445	83.4	18.00	10.00	38.00	-30.09	5.57	3.23
446	98.0	25.00	13.00	46.00	-14.35	9.65	10.43
447	83.9	26.00	4.00	36.00	-10.92	-2.63	4.24
448	85.4	26.00	9.00	41.00	-13.11	4.13	3.29
449	85.1	17.00	7.00	33.00	-30.33	1.54	2.92
450	84.4	28.00	10.00	49.00	-9.83	5.45	1.94
451	96.7	26.00	11.00	43.00	-11.42	6.91	6.01
452	88.3	26.00	8.00	39.00	-11.91	2.79	2.42
453	89.9	32.00	11.00	55.00	-0.72	6.79	4.73
454	90.9	24.00	12.00	43.00	-17.55	8.25	2.31
455	87.6	23.00	9.00	50.00	-18.74	4.18	1.50
456	97.7	22.00	8.00	39.00	-18.11	2.88	8.05
457	87.9	22.00	8.00	40.00	-20.19	2.84	2.24
458	94.6	25.00	10.00	54.00	-13.55	5.55	2.92
459	94.5	21.00	12.00	50.00	-23.10	8.31	3.17
460	87.5	24.00	8.00	38.00	-16.19	2.81	2.58
461	577.4	0.00	1.60	20.80	-200.16	13.35	1.47
WARNING: QUENCH VALUE IS OUTSIDE QUENCH LIMIT							
462	102.2	18.00	9.00	40.00	-26.48	4.32	2.43
463	85.8	19.00	11.00	36.00	-28.23	6.92	2.42
464	98.1	17.00	9.00	36.00	-29.36	4.31	8.95
465	88.9	24.00	8.00	42.00	-15.87	2.82	4.27
466	93.7	18.00	8.00	41.00	-27.42	2.92	3.17
467	91.3	16.00	10.00	35.00	-33.06	5.64	2.37
468	87.2	17.00	11.00	37.00	-32.09	6.95	3.52
469	88.9	22.00	6.00	34.00	-18.94	0.14	2.06
470	85.4	35.00	8.00	54.00	5.58	2.67	2.99
471	85.9	32.00	6.00	47.00	0.71	0.01	1.76
472	97.4	26.00	7.00	47.00	-9.04	1.47	8.66
473	83.8	21.00	12.00	42.00	-25.04	8.23	5.37
474	93.2	20.00	11.00	41.00	-24.92	6.96	2.32
475	90.8	24.00	11.00	40.00	-17.06	6.89	3.28
476	98.7	29.00	5.00	45.00	-1.06	-1.29	4.48
477	90.6	21.00	10.00	40.00	-22.78	5.57	2.54
478	87.4	28.00	10.00	53.00	-9.10	5.47	3.46
479	92.2	21.00	6.00	36.00	-20.33	0.16	1.67
480	88.9	22.00	8.00	38.00	-19.99	2.84	3.02
481	91.5	28.00	4.00	40.00	-4.83	-2.64	3.36
482	89.8	32.00	10.00	52.00	-0.21	5.43	21.50
483	89.7	18.00	12.00	42.00	-30.20	8.31	3.18
484	89.2	18.00	12.00	37.00	-30.28	8.31	3.85
485	105.8	27.00	19.00	55.00	-11.37	17.88	3.51
486	92.0	12.00	9.00	29.00	-40.78	4.34	4.64
487	89.6	25.00	10.00	45.00	-14.73	5.52	3.49
488	88.0	36.00	11.00	61.00	6.92	6.73	3.63
489	97.3	11.00	7.00	26.00	-41.28	1.66	4.83
490	92.9	30.00	9.00	52.00	-2.90	4.12	2.50

SEE LAST SHEET EX

1 DEC 2000 06:48

ID: EQUIPMENT SURVY  
 USER: 1 COMMENT:

RESET 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: 1.000000 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	85.9	20.00	12.00	40.00	34.32	15.97	3.87
<i>461</i> 1	88.3	24.00	15.00	53.00	7.03	4.03	3.46
<i>EA</i>							



ID: EQUIPMENT SURVY

5 DEC 2000 14:40

USER: 1 COMMENT: EQUIPMENT SURVEY  
 RESET 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: 1.0000 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	84.1	13.00	9.00	29.00	23.74	11.87	5.95	
		Blank Average DPM for		3H :	23.74	COEF. OF VAR:		0.000
		Blank Average DPM for		14C :	11.87	COEF. OF VAR:		0.000
491	83.7	11.00	12.00	32.00	-6.03	4.06	2.93	
492	85.6	26.00	14.00	45.00	26.23	6.50	2.41	
493	81.6	12.00	11.00	34.00	-3.51	2.69	4.53	
494	83.2	91.00	12.00	113.00	168.71	2.69	1.52	