

### Radiological Survey Sheet

Job Location Pfizer Central Research Grafton 118/179 Page 1 of 39  
 Survey Purpose Radiological Assessment Date 5/16/01  
 Performed By Pam Jones Pam Jones  
 (Print) (Sign)

Inst.(1) (Model/SN) Beckman LS 6500 #7069448	Inst.(2) <u>Ludlum 2241-2</u> (Model/SN) # <u>163603</u>	Inst.(3) (Model/SN)
Det. Internal (Model/SN)	Det. <u>Ludlum 43-68</u> (Model/SN) # <u>PR149613</u>	Det. (Model/SN)
Eff. See LSC Printout	Eff. <u>≈ 89 C14</u>	Eff.
Type rad. β	Type rad. <u>β</u>	Type rad.
Bkgd. See LSC Printout	Bkgd. <u>300 cpm</u>	Bkgd.
Cal. Due: <u>12/01</u>	Cal. Due <u>1/20/02</u>	Cal. due

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
1.	<u>1300</u>	<u>metal snuff pan</u>	1	<u>See #15A</u> See attached LSC Printout
2.		<u>wall</u>	1	
3.		<u>"</u>	1	
4.		<u>"</u>	1	
5.		<u>"</u>	1	
6.		<u>"</u>	1	
7.		<u>"</u>	1	
8.		<u>"</u>	1	
9.		<u>marble</u>	1	
10.		<u>windows</u>	1	
11.		<u>ledge</u>	1	
12.		<u>metal (side of hood)</u>	1	
13.		<u>metal (underneath hood)</u>	1	
14.		<u>plastic in hood</u>	1	
15.		<u>pressure gage</u>	1	
16.		<u>left out. hood</u>	1	
17.		<u>top</u>	1	
18.	✓	<u>top lip</u>	1	✓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
19		right outside hood		
20		glass + handles	1	See attached LSC Printout
21		bottom front out. hood	1	
22		left side inside	1	
23		left back	1	
24		right back	1	
25		right side	1	
26		left counter	1	
27		right counter	1	
28		water dispenser outside	1	
29		" " inside	1	
30		sink counter	1	
31		" "	1	
32		sides of sink	1	
33		bottom	1	
34		drain	1	
35		wall	1	
36		"	1	
37		ice machine	1	
38		floor	1	
39			1	
40			1	
41			1	
42			1	
43			1	
44			1	
45			1	
46	↓	↓	1	
			1	↓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
47		floor		
48		out. left door cabinet	1	See attached LSC Printout
49		" right "	1	
50		top shelf	1	
51		shelf	1	
52		"	1	
53		"	1	
54		"	1	
55		"	1	
56		"	1	
57		bot. shelf	1	
58		out. left door cab.	1	
59		" right "	1	
60		top shelf	1	
61		shelf	1	
62		"	1	
63		"	1	
64		"	1	
65		"	1	
66		bottom shelf	1	
67		wall	1	
68		"	1	
69		air filter tube outside	1	
70		" " inside	1	
71		wall	1	
72		"	1	
73		floor	1	
74		"	1	

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
75		floor		
76			1	See attached LSC Printout
77			1	
78			1	
79			1	
80			1	
81			1	
82		↓ top outside hand	1	
83			1	
84			1	
85			1	
86		↓ glass + handles	1	
87			1	
88			1	
89			1	
90			1	
91			1	
92		↓ left ledge	1	
93		right ledge	1	
94		left side hood	1	
95		outside cubbys	1	
96		top cubby	1	
97		bottom cubby	1	
98		left top back (left side of sink)	1	
99		left back middle	1	
100		left bottom back	1	
101		rt. top back	1	
102		↓ rt. middle back	1	

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No.	Time	Location	Inst. Used	
103		lt. bottom back		
104		counter		attached
105		cup sink	1	
106		counter	1	
107		cup sink	1	
108		sides of sink	1	
109		bottom	1	
110		drain	1	
111		(right side of sink) left top back	1	
112		left middle back	1	
113		left bottom back	1	
114		right top back	1	
115		right middle back	1	
116		right bottom back	1	
117		counter	1	
118		cup sink	1	
119		counter	1	
120		cup sink	1	
121		outside cubby	1	
122		top cubby	1	
123		bottom cubby	1	
124		right side hood	1	
125		outside cabinet	1	
126		left	1	
127		bottom	1	
128		right	1	
129		vacuum pump	1	
130	✓	outside cab.	1	✓

No.	Time	Location	Inst. Used	00 cm <sup>2</sup>
131		left		
132		back		attached
133		right	1	
134		bottom	1	
135		out. drawers	1	
136		top drawer	1	
137		drawer	1	
138		bot. drawer	1	
139		out. drawers	1	
140		top drawer	1	
141		drawer	1	
142		bot. drawer	1	
143		outside cab.	1	
144		top shelf	1	
145		bot. shelf	1	
146		out. cab.	1	
147		top shelf	1	
148		bot. shelf	1	
149		floor	1	
150			1	
151			1	
152			1	
153			1	
154			1	
155			1	
156		↓	1	
157		floor	1	
158	↓	"	1	

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No.	Time	Location	Inst. Used	Total Activity 00	
159		Floor			
160				See attached	Printout
161			1		
162			1		
163			1		
164			1		
165			1		
166			1		
167			1		
168		↓	1		
169		Window	1		
170		"	1		
171		ledge	1		
172		"	1		
173		stone wall	1		
174		top shelf	1		
175		bot. shelf	1		
176		top shelf	1		
177		bot. shelf	1		
178		cabinet	1		
179		desk	1		
180		drawers	1		
181		cabinet	1		
182		wall	1		
183		"	1		
184		cabinet	1		
185		wall	1		
186	↓	"	1		√ (see #653)
			1		

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No.	Time	Location	Inst. Used	Total Activity (dpm/100)
187		wall		
188		counter	1	See attached LSC Printout
189			1	
190			1	
191			1	
192			1	
193			1	
194		↓ sink drain	1	
195		side of sink cabinet	1	
196		out. drawers	1	
197		top drawer	1	
198		drawer	1	
199		"	1	√ (see #654)
200		bot. drawer	1	
201		out. drawers	1	
202		top drawer	1	
203		top shelf	1	
204		bot. shelf	1	
205		out. drawers	1	
206		top drawer	1	
207		drawer	1	
208		"	1	
209		bot. drawer	1	
210		drawer	1	
211		out. drawers	1	
212		pill-out	1	
213		drawer	1	
214	√	"	1	
			1	↓



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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
215		bottom drawer		
216		drawer	1	See attached LSC Printout
217		out. drawers	1	
218		pull-out	1	
219		drawer	1	
220		"	1	
221		bot. drawer	1	
222		out. drawer	1	
223		top drawer	1	
224		drawer	1	
225		"	1	
226		bot. drawer	1	
227		out. drawers	1	
228		top drawer	1	
229		<del>bot. drawer</del> top shelf	1	
230		bottom shelf	1	
231		out. drawers	1	
232		top drawer	1	
233		drawer	1	
234		"	1	
235		bot. drawer	1	
236		door	1	
237		wall	1	
238		"	1	
239		door	1	
240		door	1	
241			1	
242	↓	↓	1	↓

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No.	Time	Location	Inst. Used	
243		Floor		
244				See attached LSC Printout
245			1	
246			1	
247		↓	1	
248		↓ counter	1	
249		"	1	
250		"	1	
251		"	1	
252		top shelf	1	
253		shelf	1	
254		"	1	
255		"	1	
256		bot. shelf	1	
257		out. drawers	1	
258		top drawer	1	
259		drawer	1	
260		"	1	
261		bot. drawer	1	
262		out. cabinet	1	
263		top shelf	1	
264		bot. shelf	1	
265		out. drawers	1	
266		top drawer	1	
267		drawer	1	
268		"	1	
269		bot. drawer	1	
270	✓	out. cabinet	1	↓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100)
271		top shelf		See attached LSC Printout
272		bottom shelf		
273		floor	1	
274		"	1	
275		floor	1	
276			1	
277			1	
278			1	
279			1	
280			1	
281			1	
282			1	
283			1	
284			1	
285		out cabinet	1	
286		top shelf	1	
287		bot. shelf	1	
288		out drawers	1	
289		top shelf	1	
290		shelf	1	
291		"	1	
292		bot. shelf	1	
293		out. cabinet	1	
294		top shelf	1	
295		bot. shelf	1	
296		out. drawers	1	
297		top drawer	1	
298	✓	drawer	1	✓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100)
299		drawer		
300		bottom drawer	1	See attached LSC Printout
301		counter	1	
302			1	
303			1	
304		↓	1	
305	1300	counter	1	
306			1	
307			1	
308		↓	1	
309		out. drawers	1	
310		top drawer	1	
311		drawer	1	
312		"	1	
313		bot. drawer	1	
314		out. drawers	1	
315		dial-out	1	
316		drawer	1	
317		"	1	
318		bot. drawer	1	
319		drawer	1	
320		out. cabinet	1	
321		top shelf	1	
322		bot. shelf	1	
323		out. drawers	1	
324		top drawer	1	
325		drawer	1	
326	↓	"	1	

✓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
327		bottom drawer		
328		out. cabinet	1	See attached LSC Printout
329		top shelf	1	
330		bot. shelf	1	
331		floor	1	
332			1	
333			1	
334			1	
335			1	
336			1	
337			1	
338		↓	1	
339		counter	1	
340			1	
341			1	
342		↓	1	
343		cabinet top	1	
344		out. cab.	1	
345		top shelf	1	
346		bot. shelf	1	
347		top shelf	1	
348		bot. shelf	1	
349		out. cab	1	
350		top shelf	1	
351		bot. shelf	1	
352		out. fridge	1	
353		freezer inside	1	
354	↓	fridge inside	1	↓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
355		COUNTER		
356			1	See attached LSC Printout
357			1	
358		↓	1	
359		• OUT. CAB.	1	
360		• TOP SHELF	1	
361		OUT. SHELF	1	
362		TOP SHELF	1	
363		OUT. SHELF	1	
364		OUT. CAB.	1	
365		TOP SHELF	1	
366		OUT. SHELF	1	
367		TOP SHELF	1	
368		OUT. SHELF	1	
369		FLOOR	1	
370			1	
371			1	
372			1	
373			1	
374			1	
375			1	
376		↓	1	
377		COUNTER	1	
378			1	
379			1	
380		↓	1	
381		TOP SHELF	1	
382	↓	OUT. SHELF	1	

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No.	Time	Location	Inst. Used	TotalActi (dpm/100)
383		Out. Cab.		
384		Top Shelf	1	See attached LSC Printout
385		Bot. Shelf	1	
386		Top Shelf	1	
387		Bot. Shelf	1	
388		Out. Cab	1	
389		Top Shelf	1	
390		Bot. Shelf	1	
391		Floor	1	
392			1	
393			1	
394			1	
395			1	
396			1	
397			1	
398			1	
399		↓	1	
400		Floor	1	
401			1	
402			1	
403			1	
404			1	
405			1	
406			1	
407		↓	1	
408		Window	1	
409		Edge	1	
410		↓ Duke Chair	1	

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No.	Time	Location	Inst. Used	Total A (dpm/100)
411		maroon talk chair		
412		left side outside hood	1	See attached LSC Printout
413		top	1	
414		right side	1	
415		glass + handles	1	
416		ledge	1	
417		left side in hood	1	
418		top back	1	
419		middle back	1	
420		bottom back	1	
421		rt. side	1	
422		left counter	1	
423		rt. counter	1	
424		cup sink	1	
425		out. cabinet	1	
426		top shelf	1	
427		bottom shelf	1	
428		out. cab.	1	
429		top shelf	1	
430		bot. shelf	1	
431		counter	1	
432			1	
433			1	
434			1	
435			1	
436		↓	1	√ (see #655)
437		out. drawers	1	
438		left drawer	1	



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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
439		right drawer		
440		top shelf	1	See attached LSC Printout
441		bot. shelf	1	√ (see #656)
442		out. drawers	1	
443		left drawer	1	√ (see #657)
444		rt. drawer	1	
445		drawer	1	
446		"	1	
447		"	1	
448		bot. drawer	1	
449		out. drawers	1	
450		top drawer	1	
451		drawer	1	
452		top shelf	1	
453		bot. shelf	1	
454		out. drawers	1	
455		pull-out	1	
456		top drawer	1	
457		drawer	1	
458		bot. drawer	1	
459		out. drawers	1	
460		pull-out	1	
461		drawer	1	
462		"	1	
463		bot. drawer	1	
464		drawer	1	
465		out. drawers	1	
466	✓	top drawer	1	✓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
467		drawer		
468		top shelf	1	See attached LSC Printout
469		bot. shelf	1	
470		out. drawers	1	
471		left drawer	1	
472		rt. drawer	1	
473		drawer	1	
474		"	1	
475		"	1	
476		bot. drawer	1	
477		out. drawers	1	
478		top drawer	1	
479		drawer	1	
480		top shelf	1	
481		bot. shelf	1	
482		Shelf	1	
483		top shelf	1	
484		shelf	1	
485		bot. shelf	1	
486		top shelf	1	
487		shelf	1	
488		bot. shelf	1	
489		top shelf	1	
490		shelf	1	
491		bot. shelf	1	
492		top shelf	1	
493		shelf	1	
494	↓	bot. shelf	1	↓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
495		counter		
496		"	1	See attached LSC Printout
497		cup sink	1	
498		counter	1	
499		"	1	
500		"	1	
501		"	1	
502		cup sink	1	
503		left desk shelf	1	√ (see # 658)
504		rt. shelf	1	
505		desktop	1	
506		left drawers	1	
507		right drawers	1	
508		near chair	1	
509		near chair	1	
510		window ledge	1	
511		out. drawers	1	
512		top drawer	1	
513		drawer	1	
514		"	1	
515		bot. drawer	1	
516		out. drawers	1	
517		top drawer	1	
518		left	1	
519		bottom	1	
520		right	1	
521		out. drawers	1	
522	✓	top drawer	1	✓

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No.	Time	Location	Inst. Used	Total Acti (dpm/100)
523		drawer		
524		"	1	See attached LSC Printout
525		bot. drawer	1	
526		drawer	1	
527		out. drawers	1	
528		pull-out	1	
529		drawer	1	
530		"	1	
531		bot. drawer	1	
532		drawer	1	
533		out. drawers	1	
534		pull-out	1	
535		drawer	1	
536		"	1	
537		bot. drawer	1	
538		out. drawers	1	
539		top drawer	1	
540		drawer	1	
541		"	1	
542		bot. drawer	1	
543		out. drawers	1	
544		top drawer	1	
545		top shelf	1	
546		bot. shelf	1	
547		out. drawers	1	
548		top drawer	1	
549		drawer	1	
550	↓	"	1	↓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm <sup>2</sup> )
551		bottom drawer		
552		Floor	1	See attached LSC Printout
553			1	
554		↓	1	
555		• reirco freezer	1	
556		• sides of sink	1	
557		bottom	1	
558		drum	1	
559		out. cab left side	1	
560		left	1	
561		bottom	1	
562		out. cab. rt. side	1	
563		rt.	1	
564		bottom	1	
565		door	1	
566			1	
567			1	
568			1	
569			1	
570			1	
571			1	
572			1	
573		↓	1	
574		counter	1	
575			1	
576			1	
577			1	
578	↓	↓	1	
			1	↓

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No.	Time	Location	Inst. Used	Total Acti (dpm/100)
579		counter		
580		out. drawers	1	See attached LSC
581		top drawer	1	
582		drawer	1	
583		"	1	
584		bot. drawer	1	
585		out. drawers	1	
586		top drawer	1	
587		top shelf	1	
588		bot. shelf	1	
589		out. drawers	1	
590		top drawer	1	
591		drawer	1	
592		"	1	
593		bot. drawer	1	
594		out. drawers	1	
595		pull-out	1	
596		drawer	1	
597		"	1	
598		bot. drawer	1	
599		drawer	1	
600		out. drawers	1	
601		pull-out	1	
602		drawer	1	
603		"	1	
604		bot. drawer	1	
605		drawer	1	
606		out. drawers	1	

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No.	Time	Location	Inst. Used	Total Activity (dpm/100)
607		top drawer		
608		drawer	1	See attached LSC Printout
609		"	1	
610		bot. drawer	1	
611		out. drawers	1	
612		top drawer	1	
613		top shelf	1	
614		bot. shelf	1	
615		out. drawers	1	
616		top drawer	1	
617		drawer	1	
618		"	1	
619		bot. drawer		
620		wall	1	
621		"	1	
622		left side outside hood	1	
623		left top	1	
624		rt. top	1	
625		rt. side	1	
626		left glass + handles	1	
627		right " "	1	
628		left edge	1	
629		rt. edge	1	
630		left side inside hood	1	
631		top back	1	
632		top middle back	1	
633		bottom back	1	
634		counter	1	

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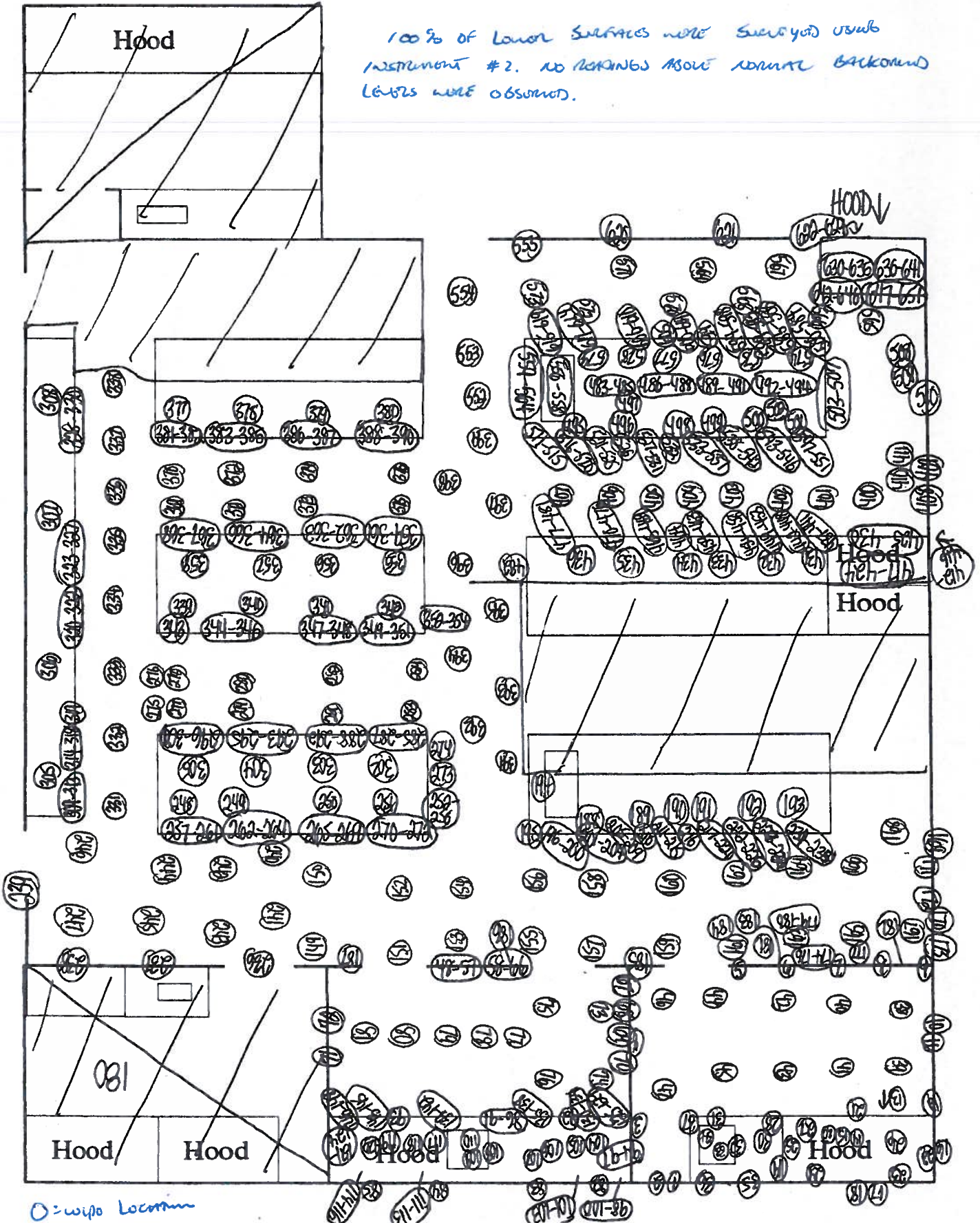
No.	Time	Location	Inst. Used	Total Activity (dpm/100)
635		Old sink		
636		top back in hood	1	See attached LSC Printout
637		middle back	1	
638		bottom back	1	
639		right side	1	
640		counter	1	
641		glass bottle	1	
642		out. drawers	1	
643		top drawer	1	
644		drawer	1	
645		"	1	
646		bot. drawer	1	
647		out. drawers	1	
648		top drawer	1	
649		drawer	1	
650		"	1	
651		bot. drawer	1	
652		post decon # 1	1	
653		# 185	1	
654		# 198	1	
655		# 435	1	
656		# 440	1	
657		# 442	1	
658	↓	↓ # 503	1	↓
			1	
			1	
			1	
			1	



**Bld. 118 Room 179**

Date: 5/16/01

100% of Lower Surfaces were Sweeysed using  
Instrument #2. NO READINGS ABOVE NORMAL BACKGROUND  
LEVELS WERE OBSERVED.



ID: EQUIPMENT SURVY

18 MAY 2001 13:59

R: 3 COMMENT: EQUIPMENT SURVEY

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 ACC : 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: 13.689 High: 306.34

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
B1	73.6	10.00	8.00	26.00	16.83	10.52	3.10
		Blank Average DPM for		3H :	16.83	COEF. OF VAR: 0.000	
		Blank Average DPM for		14C :	10.52	COEF. OF VAR: 0.000	

1	84.9	26.00	13.00	54.00	33.50	6.50	2.18
2	75.0	19.00	12.00	41.00	16.98	5.21	1.85
3	75.9	26.00	8.00	47.00	33.92	-0.25	1.67
4	75.5	19.00	16.00	40.00	15.03	10.56	1.78
5	74.8	20.00	6.00	31.00	22.07	-2.33	1.57
6	72.9	16.00	11.00	38.00	18.92	3.91	1.57
7	74.7	15.00	8.00	34.00	18.37	0.08	1.72
8	74.2	7.00	8.00	34.00	15.70	-2.78	1.72
9	74.7	14.00	6.00	41.00	18.98	2.72	1.72
10	74.8	29.00	10.00	41.00	30.92	2.37	1.72
11	74.7	17.00	8.00	34.00	17.33	-0.04	2.20
12	77.1	13.00	8.00	30.00	11.90	-2.74	1.66
13	75.6	19.00	4.00	30.00	21.65	-5.48	1.55
14	88.0	15.00	6.00	29.00	13.49	-2.71	3.34
15	74.1	22.00	7.00	35.00	25.63	-1.53	1.34
16	75.8	14.00	11.00	39.00	7.08	3.96	1.34
17	73.1	18.00	7.00	34.00	17.11	-1.47	1.10
18	72.7	24.00	17.00	50.00	24.50	11.79	0.86
19	73.4	24.00	5.00	40.00	30.66	-4.23	0.87
20	78.0	19.00	15.00	42.00	15.90	9.24	1.18
21	73.1	19.00	18.00	45.00	13.67	13.20	1.02
22	74.5	14.00	8.00	34.00	8.45	-0.06	2.46
23	73.0	23.00	14.00	48.00	23.99	7.80	0.98
24	74.0	14.00	10.00	36.00	7.39	2.61	1.34
25	76.1	22.00	13.00	49.00	22.97	6.50	1.16
26	78.8	30.00	5.00	41.00	44.72	-4.33	1.70
27	80.7	17.00	7.00	31.00	16.20	-1.42	1.85
28	78.1	12.00	7.00	26.00	5.13	-1.35	3.19
29	74.4	16.00	12.00	35.00	10.61	5.25	1.33
30	83.7	14.00	10.00	31.00	8.52	2.67	1.52
31	84.8	20.00	9.00	35.00	22.42	1.23	2.10
32	77.3	22.00	11.00	41.00	24.22	3.84	1.60
33	79.1	22.00	11.00	41.00	24.56	3.85	1.25
34	78.0	18.00	8.00	38.00	17.38	-0.11	0.91
35	76.1	15.00	11.00	34.00	9.22	3.94	1.48

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
37	82.7	15.00	6.00	34.00	12.69	-2.73	1.97
38	81.4	20.00	6.00	32.00	23.33	-2.81	1.33
39	77.9	13.00	7.00	30.00	7.24	-1.37	1.33
40	78.6	21.00	9.00	34.00	23.37	1.18	1.10
41	76.7	13.00	9.00	24.00	6.08	1.30	2.21
42	80.9	16.00	10.00	34.00	12.50	2.62	1.54
43	83.1	18.00	11.00	34.00	16.65	3.94	1.85
44	80.5	19.00	9.00	32.00	19.43	1.22	1.60
45	76.6	14.00	7.00	34.00	9.21	-1.39	1.85
46	81.1	14.00	4.00	31.00	11.34	-5.39	1.59
47	82.2	21.00	5.00	42.00	26.18	-4.17	1.83
48	75.9	16.00	7.00	31.00	13.34	-1.42	1.89
49	77.2	20.00	7.00	33.00	22.00	-1.49	1.21
50	77.6	17.00	10.00	34.00	14.16	2.58	3.80
51	75.4	12.00	10.00	31.00	3.33	2.65	2.23
52	77.4	18.00	9.00	41.00	16.77	1.22	1.46
53	82.7	16.00	12.00	36.00	11.70	5.31	1.94
54	84.2	22.00	5.00	40.00	28.82	-4.18	4.02
55	75.1	11.00	5.00	24.00	3.73	-4.02	1.44
56	77.1	15.00	6.00	27.00	11.90	-2.74	2.04
57	78.6	10.00	15.00	38.00	-3.21	9.40	1.75
58	74.7	18.00	7.00	35.00	17.35	-1.46	1.34
59	76.6	18.00	13.00	42.00	14.60	6.57	1.19
60	75.5	19.00	7.00	34.00	19.60	-1.47	1.13
61	80.4	18.00	9.00	33.00	17.25	1.24	1.95
62	75.0	19.00	9.00	35.00	18.50	1.20	1.22
63	75.0	16.00	8.00	35.00	12.70	-0.09	0.88
64	74.9	16.00	5.00	31.00	14.21	-4.10	1.50
65	80.2	13.00	9.00	30.00	6.46	1.32	2.03
66	76.0	26.00	11.00	49.00	32.40	3.76	1.29
67	79.0	17.00	11.00	36.00	13.86	3.93	1.43
68	79.3	22.00	7.00	45.00	26.69	-1.51	1.22
69	80.9	22.00	9.00	37.00	25.98	1.17	1.46
70	96.5	19.00	6.00	38.00	24.27	-2.76	2.18
71	74.8	23.00	7.00	43.00	27.85	-1.54	1.21
72	77.9	25.00	11.00	44.00	30.73	3.79	1.34
73	82.3	16.00	9.00	32.00	13.92	1.31	1.59
74	84.1	16.00	8.00	31.00	14.10	-0.05	3.15
75	89.6	18.00	10.00	38.00	18.92	6.65	2.12
76	80.5	17.00	8.00	38.00	17.88	10.50	1.71
77	82.5	17.00	7.00	41.00	27.27	-1.80	1.21
78	81.7	12.00	7.00	32.00	11.10	1.10	2.22
79	80.7	17.00	10.00	38.00	17.10	3.80	2.20
80	88.1	17.00	10.00	38.00	14.62	1.21	1.75
81	80.5	17.00	10.00	38.00	20.25	-0.05	2.26
82	80.5	17.00	14.00	45.00	30.62	7.76	1.13
83	83.1	20.00	7.00	33.00	23.14	-1.47	2.49
84	83.9	20.00	7.00	38.00	23.30	-1.46	1.19
85	80.7	14.00	14.00	37.00	6.06	8.01	1.88
86	79.1	19.00	6.00	33.00	20.74	-2.80	1.56
87	77.6	22.00	9.00	37.00	25.30	1.16	1.13
88	74.1	15.00	9.00	33.00	9.99	1.26	1.61
89	75.9	18.00	6.00	32.00	18.07	-2.79	1.53
90	75.9	15.00	8.00	30.00	10.72	-0.07	1.56
91	76.1	11.00	13.00	30.00	-0.24	6.68	1.27
92	80.3	21.00	6.00	39.00	25.26	-2.83	1.61
93	83.1	28.00	10.00	44.00	39.01	2.42	1.37

SAM NO	HH	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
95	82.4	16.00	8.00	36.00	13.77	-0.06	1.85
96	79.2	20.00	16.00	42.00	17.72	10.58	0.90
97	80.2	16.00	12.00	32.00	11.35	5.29	1.20
98	78.7	10.00	13.00	30.00	-2.18	6.72	1.36
99	88.5	15.00	11.00	34.00	10.84	4.02	2.65
100	85.9	18.00	14.00	37.00	15.50	7.99	2.04
101	83.4	14.00	8.00	31.00	9.54	-0.02	1.47
102	87.2	5.00	7.00	16.00	-9.47	-1.19	3.47
103	82.7	17.00	10.00	33.00	14.94	2.61	1.85
104	87.4	13.00	10.00	28.00	0.07	2.76	4.70
105	87.6	23.00	15.00	44.00	24.76	5.21	1.63
106	81.3	9.00	5.00	42.00	20.10	-0.11	1.42
107	82.4	13.00	9.00	35.00	6.73	1.33	1.28
108	77.8	14.00	6.00	27.00	9.87	-2.72	2.52
109	77.3	9.00	10.00	32.00	-2.86	2.71	2.47
110	80.2	13.00	13.00	33.00	4.38	6.68	1.90
111	85.1	9.00	8.00	25.00	0.34	-3.96	2.21
112	85.2	13.00	15.00	41.00	8.23	9.38	1.30
113	79.5	13.00	12.00	38.00	4.83	5.34	2.48
114	82.2	19.00	6.00	36.00	21.32	-2.79	1.35
115	83.5	11.00	5.00	28.00	2.99	0.03	2.20
116	79.6	18.00	10.00	42.00	16.61	2.58	1.83
117	82.1	17.00	9.00	35.00	15.37	1.06	2.75
118	80.8	17.00	9.00	31.00	15.16	1.04	2.72
119	87.4	14.00	13.00	39.00	11.83	6.69	2.07
120	83.8	23.00	15.00	38.00	52.94	6.34	2.21
121	84.4	15.00	10.00	27.00	6.48	2.70	2.77
122	86.5	23.00	6.00	40.00	31.12	-2.85	0.90
123	80.7	18.00	7.00	29.00	20.50	-1.46	1.13
124	79.7	21.00	7.00	42.00	28.73	-1.53	1.43
125	82.4	24.00	10.00	44.00	30.11	2.49	2.26
126	77.5	13.00	7.00	26.00	7.19	-1.37	1.50
127	76.8	20.00	8.00	36.00	21.43	-0.15	1.29
128	90.9	28.00	9.00	49.00	41.85	1.11	57.62
129	81.8	15.00	12.00	36.00	9.40	5.32	5.89
130	78.9	16.00	13.00	39.00	10.67	6.62	2.66
131	76.0	19.00	6.00	37.00	20.19	-2.81	1.20
132	79.7	19.00	14.00	41.00	16.69	7.92	1.88
133	76.9	16.00	11.00	32.00	11.44	3.93	1.20
134	86.8	19.00	12.00	39.00	18.96	5.29	2.92
135	78.0	19.00	9.00	37.00	19.00	1.21	1.28
136	84.2	15.00	13.00	46.00	9.19	6.68	1.88
137	79.7	27.00	5.00	39.00	38.53	-4.27	0.79
138	90.7	17.00	10.00	38.00	16.24	2.65	6.96
139	76.9	18.00	9.00	39.00	16.69	1.22	1.63
140	80.0	14.00	7.00	31.00	9.64	-1.38	1.44
141	76.2	20.00	13.00	39.00	18.76	6.54	1.12
142	87.0	19.00	12.00	43.00	18.99	5.29	4.71
143	83.0	17.00	7.00	31.00	16.57	-1.42	1.53
144	78.2	10.00	10.00	29.00	-0.67	2.70	1.34
145	79.4	15.00	10.00	32.00	10.14	2.62	1.77
146	90.0	13.00	9.00	30.00	7.62	1.37	2.15
147	93.1	15.00	6.00	30.00	14.31	-2.70	1.36
148	97.7	10.00	12.00	27.00	-0.17	5.53	2.10
149	84.9	11.00	6.00	26.00	4.20	-2.65	1.54
150	83.0	15.00	7.00	30.00	12.20	-1.38	1.52
151	84.4	18.00	11.00	39.00	16.86	3.95	1.04

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
153	81.2	17.00	12.00	35.00	13.65	5.28	1.88
154	80.1	13.00	6.00	27.00	8.01	-2.70	2.40
155	77.8	20.00	8.00	34.00	21.60	-0.15	0.95
156	81.2	21.00	11.00	44.00	22.83	3.87	1.01
157	82.0	17.00	13.00	37.00	13.25	6.63	0.96
158	95.9	22.00	7.00	43.00	30.57	-1.47	1.27
159	80.6	14.00	7.00	32.00	9.71	-1.37	1.25
160	84.6	15.00	3.00	26.00	14.58	-6.75	2.94
161	86.4	17.00	7.00	35.00	17.15	-1.40	1.57
162	81.3	17.00	12.00	43.00	13.66	5.28	1.40
163	86.1	8.00	6.00	20.00	-2.32	-2.59	2.46
164	76.9	12.00	14.00	37.00	1.43	8.01	0.87
165	86.2	16.00	11.00	38.00	12.74	3.99	1.65
166	82.4	10.00	11.00	30.00	-0.87	4.07	2.62
167	81.6	19.00	17.00	48.00	15.42	11.96	0.86
168	79.6	12.00	10.00	33.00	3.73	2.68	1.58
169	76.2	27.00	11.00	45.00	34.57	3.75	0.85
170	76.3	11.00	9.00	27.00	1.81	1.33	2.33
171	87.4	17.00	15.00	42.00	12.98	9.36	1.57
172	77.8	20.00	13.00	42.00	19.03	6.55	1.17
173	94.7	20.00	10.00	43.00	23.91	2.62	8.10
174	84.5	22.00	9.00	44.00	26.75	1.19	1.06
175	83.1	24.00	8.00	43.00	31.35	-0.19	1.15
176	79.4	18.00	5.00	31.00	19.16	-4.12	1.26
177	76.3	11.00	9.00	31.00	1.82	1.33	1.13
178	78.3	23.00	9.00	40.00	27.57	1.15	1.29
179	79.8	13.00	9.00	39.00	6.42	1.32	2.07
180	76.6	16.00	11.00	40.00	11.40	3.93	0.88
181	76.5	19.00	9.00	39.00	18.75	1.20	0.98
182	78.5	14.00	7.00	28.00	9.45	-1.38	1.82
183	77.4	24.00	14.00	47.00	26.94	7.82	0.83
184	78.5	16.00	13.00	42.00	10.62	6.62	1.08
185	76.4	21.00	20.00	45.00	17.35	15.88	0.76
186	81.9	15.00	5.00	27.00	13.10	-4.07	1.68
187	74.7	19.00	20.00	49.00	12.89	15.90	3.20
188	95.3	24.00	10.00	46.00	33.36	2.55	2.80
189	97.2	23.00	8.00	43.00	32.67	-0.13	3.12
190	85.4	17.00	11.00	38.00	14.83	3.97	1.96
191	82.9	23.00	10.00	39.00	28.07	2.51	1.35
192	78.4	23.00	5.00	37.00	29.66	-4.21	3.37
193	79.6	7.00	8.00	22.00	-5.96	0.08	1.55
194	80.3	25.00	15.00	48.00	29.19	9.16	0.61
195	75.3	18.00	9.00	35.00	16.45	1.21	1.12
196	79.8	18.00	5.00	31.00	19.24	-4.12	1.25
197	78.4	18.00	10.00	37.00	16.42	2.57	1.08
198	80.3	27.00	13.00	40.00	34.53	6.45	0.70
199	80.8	17.00	7.00	36.00	16.21	-1.42	1.03
200	77.5	20.00	14.00	45.00	18.47	7.88	0.73
201	78.8	21.00	14.00	46.00	20.82	7.88	0.69
202	77.4	8.00	9.00	29.00	-4.46	1.39	1.15
203	75.3	21.00	7.00	42.00	23.76	-1.51	1.01
204	78.0	19.00	7.00	41.00	20.03	-1.47	1.00
205	75.1	13.00	8.00	36.00	6.42	-0.04	1.10
206	78.3	11.00	12.00	31.00	0.44	5.36	1.25
207	80.3	14.00	12.00	37.00	7.06	5.33	1.11
208	77.1	12.00	7.00	32.00	5.02	-1.35	1.34
209	80.0	15.00	9.00	34.00	10.74	1.29	1.21

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DFM	14C DFM	LUMEX %
211	79.4	16.00	8.00	30.00	13.32	-0.07	1.10
212	77.9	17.00	7.00	39.00	15.76	-1.43	1.46
213	78.8	12.00	10.00	28.00	3.66	2.67	1.43
214	77.6	15.00	11.00	37.00	9.41	3.95	1.21
215	80.2	13.00	10.00	32.00	5.94	2.66	0.93
216	78.1	18.00	11.00	34.00	15.85	3.91	1.73
217	79.2	17.00	11.00	36.00	13.89	3.93	1.12
218	78.0	9.00	16.00	34.00	-5.90	10.75	1.05
219	78.3	15.00	11.00	36.00	9.49	3.96	1.03
220	76.2	14.00	13.00	36.00	6.10	6.63	1.00
221	78.1	13.00	11.00	35.00	5.21	3.99	1.31
222	80.2	18.00	6.00	38.00	18.78	-2.78	0.77
223	80.3	18.00	5.00	37.00	19.33	-4.12	0.85
224	80.8	12.00	8.00	37.00	4.90	0.00	0.80
225	77.9	20.00	7.00	37.00	22.13	-1.48	1.01
226	80.5	16.00	7.00	36.00	10.85	6.63	0.84
227	79.2	13.00	11.00	37.00	21.74	3.84	1.11
228	79.5	10.00	8.00	28.00	0.33	0.02	1.40
229	76.1	15.00	8.00	31.00	15.40	-6.77	1.11
230	78.1	12.00	10.00	35.00	10.06	2.62	1.97
231	81.2	18.00	11.00	39.00	9.91	3.98	0.98
232	80.3	13.00	14.00	34.00	3.89	8.03	1.06
233	82.3	12.00	12.00	30.00	2.94	5.38	1.36
234	79.8	11.00	10.00	30.00	1.61	2.69	1.04
235	79.4	12.00	16.00	43.00	0.60	10.71	0.86
236	77.6	16.00	13.00	36.00	10.50	6.61	0.96
237	80.1	22.00	6.00	33.00	27.37	-2.85	1.17
238	78.1	16.00	9.00	40.00	12.63	1.26	0.58
239	77.2	6.00	15.00	30.00	-11.78	9.45	0.91
240	84.7	13.00	3.00	33.00	10.19	-6.72	1.73
241	84.6	17.00	7.00	33.00	16.84	-1.41	1.43
242	84.6	13.00	7.00	32.00	8.02	-1.34	1.12
243	80.6	19.00	12.00	43.00	17.88	5.25	0.71
244	79.5	18.00	8.00	34.00	17.62	-0.10	1.07
245	81.9	11.00	6.00	31.00	3.90	-2.66	1.20
246	81.5	17.00	6.00	31.00	16.86	-2.76	1.25
247	84.3	10.00	4.00	19.00	3.00	-5.32	2.12
248	83.3	12.00	7.00	26.00	5.69	-1.33	1.24
249	81.7	20.00	9.00	36.00	21.80	1.21	1.13
250	85.3	15.00	10.00	36.00	10.94	2.66	1.02
251	81.2	11.00	15.00	36.00	-0.89	9.41	1.13
252	81.9	18.00	11.00	43.00	16.46	3.93	0.93
253	80.8	8.00	7.00	19.00	-3.22	-1.27	2.52
254	83.8	14.00	7.00	30.00	10.12	-1.36	1.41
255	84.3	22.00	6.00	37.00	28.31	-2.84	1.77
256	89.5	14.00	16.00	41.00	5.97	10.78	1.49
257	81.7	15.00	7.00	29.00	12.03	-1.39	1.65
258	83.0	12.00	10.00	30.00	4.07	2.70	2.14
259	83.0	10.00	9.00	29.00	0.23	1.39	1.42
260	81.4	10.00	12.00	30.00	-1.47	5.40	0.98
261	78.3	25.00	8.00	38.00	32.37	-0.23	1.48
262	80.4	16.00	9.00	31.00	12.95	1.27	1.26
263	81.3	13.00	9.00	32.00	6.59	1.33	1.16
264	81.7	7.00	12.00	30.00	-7.95	5.46	1.26
265	79.9	12.00	9.00	29.00	4.29	1.34	1.10
266	80.5	14.00	10.00	34.00	8.14	2.65	1.01
267	79.5	12.00	17.00	35.00	0.09	12.05	0.84

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX
267	77.5	13.00	11.00	37.00	8.50	5.50	1.50
270	77.9	13.00	8.00		6.50	1.50	
271	80.7	14.00			17.50	1.50	
272					17.50	1.50	
273	83.2	13.00			17.50	1.50	
274	83.2	13.00			17.50	1.50	
275	83.2	13.00			17.50	1.50	
276	83.2	13.00			17.50	1.50	
277	78.2	16.00	8.00	29.00	11.46	-0.05	1.67
278	82.5	20.00	13.00	41.00	19.85	6.58	0.98
279	82.9	15.00	5.00	32.00	13.25	-4.07	2.68
280	82.6	15.00	8.00	31.00	11.62	-0.04	1.40
281	81.4	11.00	10.00	33.00	1.74	2.70	1.30
282	83.4	20.00	9.00	39.00	22.14	1.22	1.16
283	77.9	17.00	8.00	36.00	15.24	-0.09	1.41
284	83.3	13.00	9.00	36.00	6.82	1.34	1.51
285	79.5	9.00	6.00	24.00	-0.63	-2.63	1.84
286	77.7	13.00	11.00	27.00	5.17	3.99	1.61
287	77.6	20.00	6.00	42.00	22.60	-2.82	1.03
288	80.3	13.00	6.00	25.00	8.04	-2.70	1.40
289	78.6	22.00	8.00	39.00	26.02	-0.17	1.10
290	81.6	16.00	5.00	33.00	15.22	-4.09	1.29
291	78.2	16.00	13.00	37.00	10.58	6.62	0.97
292	79.4	8.00	9.00	31.00	-4.34	1.40	1.31
293	79.5	8.00	11.00	26.00	-5.37	4.08	1.62
294	79.3	27.00	14.00	47.00	33.76	7.78	0.90
295	80.7	18.00	9.00	40.00	17.31	1.24	1.15
296	81.3	19.00	6.00	36.00	21.14	-2.80	1.08
297	83.4	14.00	5.00	36.00	11.14	-4.05	2.43
298	85.6	9.00	9.00	22.00	-1.76	1.42	2.07
299	80.3	16.00	9.00	38.00	12.94	1.27	0.85
300	77.7	18.00	5.00	36.00	18.87	-4.13	0.94
301	83.0	13.00	6.00	28.00	8.37	-2.69	1.65
302	80.7	16.00	8.00	34.00	13.51	-0.07	1.36
303	81.6	17.00	6.00	34.00	16.87	-2.76	1.34
304	80.6	13.00	7.00	28.00	7.55	-1.36	1.43
305	126.5	9.00	8.00	31.00	2.92	0.29	2.69
306	93.6	18.00	5.00	38.00	21.88	-4.10	1.97
307	81.3	18.00	12.00	35.00	15.84	5.27	1.63
308	84.6	11.00	9.00	26.00	2.57	1.38	1.96
309	76.3	19.00	8.00	40.00	19.22	-0.13	1.06
310	82.7	17.00	10.00	34.00	14.93	2.61	1.19
311	80.2	16.00	11.00	40.00	11.88	3.95	1.00
312	81.0	16.00	9.00	32.00	13.03	1.28	1.17
313	82.5	12.00	7.00	28.00	5.61	-1.33	1.30
314	80.7	23.00	7.00	39.00	29.14	-1.52	0.95
315	77.8	17.00	7.00	29.00	15.74	-1.43	1.38
316	81.5	11.00	11.00	39.00	1.23	4.05	1.20
317	81.5	15.00	8.00	31.00	11.46	-0.05	1.07
318	81.1	10.00	11.00	37.00	-0.96	4.06	1.03
319	79.6	18.00	7.00	37.00	18.17	-1.44	1.20
320	77.4	16.00	11.00	31.00	11.51	3.90	1.00
321	82.3	10.00	6.00	28.00	7.70	2.64	1.00
322	80.0	16.00	6.00	32.00	13.38	1.27	1.00
323	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
324	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
325	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
326	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
327	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
328	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
329	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
330	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
331	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
332	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
333	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
334	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
335	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
336	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
337	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
338	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
339	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
340	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
341	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
342	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
343	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
344	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
345	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
346	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
347	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
348	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
349	77.7	13.00	8.00	31.00	13.38	-0.07	0.80
350	77.7	13.00	8.00	31.00	13.38	-0.07	0.80

SAM NO	HR	SH PM	140 DPM	140 DPM	140 DPM	140 DPM	LUNEX %
325	78.1	19.00	11.00	41.00	17.66	3.88	1.01
329	83.8	15.00	11.00	37.00	10.20	3.99	1.02
330	79.6	10.00	10.00	34.00	-0.56	2.71	1.01
331	80.1	14.00	11.00	34.00	7.56	3.99	1.21
332	79.9	16.00	9.00	33.00	12.87	1.27	1.25
333	84.8	14.00	11.00	37.00	8.12	4.02	1.21
334	78.6	15.00	13.00	41.00	8.49	6.64	0.91
335	78.4	11.00	9.00	33.00	2.00	1.35	1.33
336	83.3	13.00	9.00	34.00	6.82	1.34	1.35
337	82.9	11.00	7.00	33.00	3.46	-1.31	0.85
338	81.3	16.00	14.00	51.00	9.42	10.67	1.03
339	80.8	13.00	22.00	43.00	0.26	17.41	0.84
340	84.8	17.00	9.00	34.00	15.80	1.28	1.19
341	89.2	17.00	8.00	34.00	18.74	-4.09	1.55
342	88.1	9.00	17.00	36.00	-5.93	12.20	1.30
343	86.7	18.00	8.00	38.00	17.84	-0.10	1.22
344	75.5	16.00	8.00	32.00	12.78	-0.09	0.99
345	83.8	10.00	8.00	27.00	0.83	0.05	1.35
346	78.5	14.00	6.00	29.00	9.97	-2.72	1.48
347	86.1	14.00	12.00	37.00	7.75	5.37	1.35
348	80.8	13.00	9.00	26.00	6.46	1.32	1.69
349	80.9	9.00	13.00	31.00	-4.19	6.76	1.57
350	79.0	12.00	8.00	30.00	4.71	-0.01	1.12
351	78.0	16.00	9.00	32.00	12.61	1.26	1.33
352	82.4	10.00	7.00	33.00	1.24	-1.30	1.16
353	78.1	15.00	14.00	36.00	7.92	7.97	1.00
354	81.0	13.00	5.00	22.00	8.65	-4.04	1.68
355	87.2	17.00	13.00	40.00	14.03	6.67	1.16
356	80.5	11.00	8.00	27.00	2.71	0.02	1.49
357	83.8	15.00	10.00	34.00	10.72	2.65	1.29
358	81.6	12.00	11.00	31.00	3.40	4.03	1.27
359	77.3	17.00	12.00	35.00	13.38	5.27	0.93
360	82.2	19.00	12.00	42.00	18.16	5.26	0.72
361	85.8	18.00	12.00	37.00	16.57	5.30	1.18
362	76.0	13.00	7.00	25.00	7.02	-1.37	1.85
363	79.5	8.00	13.00	30.00	-6.41	6.76	1.38
364	77.3	21.00	8.00	41.00	23.63	-0.16	0.89
365	81.7	13.00	5.00	26.00	8.73	-4.04	1.37
366	77.4	13.00	8.00	32.00	6.67	-0.03	1.34
367	87.8	18.00	12.00	39.00	16.91	5.31	0.96
368	81.5	15.00	13.00	44.00	8.85	6.66	0.91
369	81.5	14.00	10.00	33.00	8.26	2.65	1.34
370	80.0	12.00	12.00	35.00	2.73	5.36	1.02
371	85.6	12.00	7.00	26.00	5.96	-1.32	1.40
372	78.4	17.00	7.00	35.00	15.83	-1.43	1.06
373	79.8	14.00	13.00	37.00	6.49	6.66	0.82
374	83.3	18.00	11.00	36.00	16.69	3.94	1.12
375	98.8	17.00	13.00	42.00	15.98	6.76	1.22
376	82.1	11.00	5.00	23.00	4.44	-4.00	1.78
378	81.0	14.00	14.00	39.00	6.10	8.01	1.04
378	82.6	11.00	10.00	32.00	1.85	2.71	1.21
379	87.8	14.00	7.00	31.00	10.67	-1.35	1.48
380	77.3	23.00	5.00	41.00	29.43	-4.21	1.24
381	82.8	8.00	11.00	29.00	-5.20	4.11	1.68
382	95.4	12.00	9.00	25.00	6.00	1.42	2.52
383	78.7	17.00	5.00	32.00	16.92	-4.11	1.19



SAM NO	H#	3H CFM	14C CFM	WIDE CFM	3H DPM	14C DFM	LUMEX %
385	79.7	10.00	11.00	32.00	-1.07	4.05	1.25
386	87.7	14.00	8.00	34.00	10.13	-0.00	1.68
387	105.7	13.00	9.00	28.00	9.81	1.46	2.78
388	78.6	7.00	10.00	29.00	-7.04	2.75	1.37
389	79.1	6.00	11.00	27.00	-9.68	4.11	1.79
390	77.2	9.00	9.00	25.00	-2.35	1.37	1.50
391	83.0	12.00	8.00	29.00	5.13	0.01	1.44
392	78.6	7.00	7.00	21.00	-5.49	-1.26	1.75
393	81.8	9.00	8.00	27.00	-1.50	0.06	1.43
394	84.0	8.00	10.00	28.00	-4.60	2.77	0.99
395	80.9	9.00	7.00	21.00	-1.05	-1.29	1.75
396	84.8	15.00	15.00	39.00	8.19	9.37	1.06
397	82.2	14.00	14.00	39.00	6.23	8.02	1.09
398	83.2	16.00	16.00	45.00	9.66	10.69	0.99
399	80.4	16.00	9.00	36.00	12.95	1.27	1.17
400	82.5	21.00	8.00	48.00	24.66	-0.14	1.73
401	78.6	17.00	18.00	46.00	10.18	13.30	1.09
402	80.9	13.00	8.00	29.00	7.06	-0.02	1.79
403	83.0	18.00	7.00	36.00	18.76	-1.43	1.11
404	82.1	11.00	9.00	32.00	2.33	1.37	1.28
405	82.9	17.00	8.00	33.00	16.02	-0.07	1.49
406	82.6	17.00	14.00	38.00	12.81	7.98	1.01
407	84.4	18.00	10.00	44.00	17.40	2.60	1.33
408	75.8	16.00	10.00	36.00	11.80	2.59	1.04
409	84.5	15.00	14.00	41.00	8.68	8.03	1.00
410	74.5	20.00	7.00	37.00	21.53	-1.49	1.56
411	75.6	13.00	8.00	31.00	6.47	-0.04	1.49
412	76.0	12.00	14.00	41.00	1.36	8.00	1.24
413	78.6	23.00	7.00	39.00	28.67	-1.53	0.68
414	78.9	11.00	5.00	26.00	4.11	-4.01	1.37
415	80.7	17.00	8.00	36.00	15.67	-0.08	1.13
416	78.5	21.00	4.00	32.00	25.93	-5.52	1.24
417	84.6	14.00	16.00	41.00	5.43	10.73	1.11
418	80.4	14.00	12.00	39.00	7.08	5.33	0.95
419	80.1	20.00	11.00	44.00	20.47	3.88	2.20
420	92.7	20.00	8.00	36.00	24.60	-0.09	1.59
421	80.8	20.00	8.00	39.00	22.17	-0.13	1.08
422	99.6	13.00	11.00	30.00	7.74	4.14	4.77
423	83.4	19.00	8.00	40.00	20.48	-0.11	1.28
424	83.2	14.00	8.00	36.00	9.52	-0.02	1.11
425	79.6	13.00	12.00	33.00	4.84	5.34	0.91
426	85.0	14.00	15.00	43.00	6.01	9.39	1.07
427	93.7	16.00	13.00	40.00	12.77	6.74	1.54
428	87.6	17.00	8.00	34.00	16.81	-0.05	1.06
429	91.2	17.00	8.00	34.00	17.45	-0.04	0.91
430	94.6	19.00	12.00	43.00	20.44	5.34	0.93
431	79.8	20.00	9.00	37.00	21.46	1.20	0.89
432	95.2	22.00	7.00	43.00	30.38	-1.47	1.47
433	83.4	16.00	13.00	41.00	11.27	6.66	0.97
434	81.2	22.00	8.00	43.00	26.57	-0.17	1.04
435	82.9	31.00	10.00	45.00	45.50	2.37	0.64
436	87.8	11.00	8.00	26.00	3.43	0.05	1.79
437	77.8	15.00	6.00	38.00	11.99	-2.74	0.95
438	79.0	18.00	8.00	31.00	17.55	-0.11	1.14
439	80.3	22.00	8.00	34.00	26.39	-0.17	1.32
440	80.3	29.00	18.00	37.00	37.80	9.10	0.87
441	78.5	12.00	8.00	37.00	6.31	-4.03	1.27

34039

SAM NO	MH	3H CPM	14C CPM	WIDE CPM	3H CPM	14C CPM	DIFF %
443	77.5	21.00	3.00	28.00	19.50	5.21	0.68
444	77.8	22.00	12.00	34.00	14.20	2.58	1.18
445	77.9	25.00	4.00	34.00	15.03	-5.43	0.94
446	82.1	16.00	13.00	37.00	11.09	6.65	0.62
447	77.7	25.00	12.00	51.00	30.16	5.13	0.83
448	77.8	29.00	7.00	51.00	41.27	-1.63	0.68
449	78.6	20.00	7.00	35.00	22.26	-1.48	0.93
450	78.2	15.00	6.00	29.00	12.06	-2.74	1.19
451	85.1	19.00	13.00	43.00	18.13	6.62	0.69
452	79.8	11.00	10.00	32.00	1.60	2.69	1.90
453	77.9	17.00	12.00	38.00	13.19	5.26	2.29
454	77.3	23.00	10.00	45.00	26.86	2.48	0.84
455	79.1	24.00	4.00	38.00	32.48	-5.56	1.20
456	78.8	18.00	6.00	31.00	18.54	-2.79	0.93
457	83.5	19.00	6.00	31.00	21.56	-2.79	2.33
458	77.4	12.00	6.00	22.00	5.57	-2.69	1.60
459	80.2	19.00	5.00	33.00	21.46	-4.14	0.75
460	75.7	18.00	11.00	34.00	15.49	3.89	1.03
461	76.4	17.00	15.00	41.00	11.44	9.26	0.74
462	81.6	13.00	11.00	30.00	5.57	4.01	2.25
463	82.1	22.00	6.00	37.00	27.81	-2.85	3.84
464	83.6	19.00	10.00	37.00	19.47	2.58	1.25
465	76.2	11.00	12.00	33.00	0.28	5.35	1.02
466	76.5	18.00	8.00	37.00	17.14	-0.12	0.82
467	80.9	18.00	4.00	30.00	19.95	-5.46	0.83
468	78.2	23.00	4.00	38.00	30.14	-5.55	0.75
469	78.9	24.00	8.00	39.00	30.36	-0.21	0.74
470	78.5	20.00	5.00	34.00	23.29	-4.16	1.35
471	78.5	30.00	8.00	46.00	43.08	-0.31	0.90
472	79.0	19.00	8.00	33.00	19.69	-0.12	0.74
473	76.8	23.00	12.00	46.00	25.72	5.15	0.57
474	81.1	22.00	5.00	40.00	28.11	-4.19	0.87
475	78.9	17.00	10.00	46.00	14.36	2.59	0.54
476	80.4	15.00	9.00	33.00	10.79	1.29	1.08
477	77.9	28.00	6.00	49.00	39.68	-2.95	0.69
478	77.8	15.00	11.00	37.00	9.43	3.95	0.98
479	76.5	21.00	11.00	40.00	21.96	3.85	0.77
480	74.6	19.00	13.00	39.00	16.42	6.54	0.84
481	77.5	20.00	9.00	36.00	21.05	1.19	0.83
482	83.0	21.00	8.00	37.00	24.77	-0.14	1.31
483	93.7	14.00	9.00	33.00	10.41	1.38	2.07
484	80.2	15.00	11.00	<del>32.00</del>	<del>9.73</del>	3.97	1.37
485	84.2	13.00	11.00	29.00	5.86	4.03	1.43
486	82.3	19.00	9.00	40.00	19.75	1.23	1.00
487	85.0	20.00	3.00	35.00	25.66	-6.84	3.28
488	83.6	26.00	8.00	43.00	35.86	-0.22	2.92
489	81.4	15.00	5.00	31.00	13.03	-4.07	1.20
490	77.8	17.00	12.00	34.00	13.17	5.26	0.95
491	85.5	8.00	13.00	31.00	-6.12	6.81	1.02
492	81.8	25.00	10.00	47.00	32.16	2.47	0.90
493	84.6	19.00	10.00	42.00	19.64	2.59	1.18
494	80.6	17.00	11.00	37.00	14.09	3.94	0.88
495	92.8	26.00	11.00	45.00	36.72	3.85	1.38
496	94.3	15.00	8.00	34.00	13.39	0.01	1.53
497	76.1	19.00	14.00	46.00	16.13	7.89	0.88
498	89.7	14.00	9.00	42.00	9.85	1.35	1.13
499	94.4	15.00	10.00	40.00	12.26	2.71	1.37
500	95.7	12.00	11.00	33.00	11.14	1.38	1.37

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
501	89.8	15.00	11.00	36.00	11.03	4.03	1.85
502	83.5	48.00	5.00	[REDACTED]	85.55	-4.63	0.50
503	75.8	16.00	7.00	32.00	13.32	-1.42	1.15
504	77.4	11.00	8.00	24.00	2.42	0.00	0.55
505	80.9	28.00	13.00	51.00	36.84	6.44	0.71
506	77.1	17.00	6.00	29.00	16.14	-2.77	1.01
507	74.9	18.00	6.00	32.00	17.90	-2.80	1.1
508	82.6	23.00	8.00	33.00	30.81	4.81	1.22
509	78.5	15.00	7.00	26.00	11.57	-1.80	1.11
510	80.4	33.00	11.00	44.00	34.06	3.94	0.82
511	85.7	13.00	1.00	14.00	7.46	0.00	1.81
512	78.3	26.00	1.00	27.00	27.59	6.48	0.53
513	74.5	17.00	17.00	36.00	3.83	5.74	1.07
514	77.1	11.00	11.00	22.00	2.41	0.00	1.11
515	79.1	15.00	11.00	30.00	23.18	3.88	1.11
516	79.9	15.00	11.00	30.00	15.57	5.77	1.11
517	79.9	15.00	11.00	30.00	12.38	6.58	0.65
518	79.9	15.00	11.00	30.00	6.26	6.65	1.23
519	79.9	15.00	7.00	44.00	15.93	-1.43	0.60

EQUIPMENT SURVY  
 DOCUMENT: 01/1/01  
 DATE: 1. MAY 2001 09:24

SET TIME : 1.00  
 DATA CALD : DL DPM  
 COUNT BLANK : YES  
 TWO PHASE : NO  
 SCOUT : NO  
 LOW LEVEL : NO

REPLICATES : 1  
 REPLICATES : 1  
 CYCLE REPEATS : 1  
 LOW SAMPLE REJ : 0  
 CORRECTION DATE : none

3H ZERROR: 2.00 FACTOR:1.0000 BKG. SUB: 0  
 14C ZERROR: 2.00 FACTOR:1.0000 BKG. SUB: 0  
 WIDE OPEN WINDOW ZERROR: 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	94.5	13.00	7.00	27.00	26.18	9.22	2.10
		Blank Average DPM for		3H :	26.18	COEF. OF VAR: 0.000	
		Blank Average DPM for		14C :	9.22	COEF. OF VAR: 0.000	

521	78.9	11.00	11.00	36.00	-8.34	5.33	0.47
	82.7	17.00	6.00	32.00	7.70	-1.46	0.73
	80.3	19.00	7.00	33.00	11.10	-0.15	0.61
	83.9	12.00	9.00	35.00	-4.65	2.66	0.86
	83.3	21.00	12.00	41.00	13.37	6.53	0.44
	80.2	18.00	10.00	39.00	7.35	3.88	0.52
	80.5	17.00	13.00	39.00	3.68	7.92	0.43
	81.1	16.00	4.00	26.00	6.32	-4.12	0.64
	79.1	19.00	11.00	41.00	8.80	5.20	0.54
530	81.7	19.00	6.00	39.00	11.87	-1.49	0.51
11	78.0	18.00	4.00	28.00	10.09	-4.16	0.86
12	80.8	23.00	9.00	42.00	18.76	2.46	1.09
13	83.4	14.00	13.00	42.00	-2.46	8.00	0.61
14	76.8	14.00	9.00	30.00	-1.13	2.59	0.39
535	79.0	11.00	6.00	28.00	-5.75	-1.37	0.67
16	81.1	17.00	7.00	34.00	6.91	-0.12	0.50
17	77.6	28.00	6.00	41.00	23.73	-1.60	0.49
18	77.4	18.00	12.00	40.00	5.91	6.55	0.57
19	78.8	20.00	5.00	35.00	14.00	-2.86	0.98
540	79.2	18.00	10.00	36.00	7.20	3.88	0.48
20	75.1	15.00	9.00	40.00	1.27	2.59	0.74
21	79.4	16.00	6.00	37.00	9.30	-1.48	0.62
22	73.8	12.00	13.00	33.00	-7.67	7.95	0.70
23	74.5	21.00	13.00	44.00	11.23	7.81	0.47
545	76.9	17.00	12.00	36.00	3.69	6.56	0.75
24	76.6	20.00	12.00	42.00	10.00	6.51	0.54
25	78.4	15.00	12.00	33.00	-0.36	6.60	0.33
26	78.2	19.00	16.00	41.00	6.08	11.87	0.30
27	77.3	28.00	8.00	51.00	29.14	1.03	0.47
28	79.0	12.00	6.00	31.00	-3.51	-1.38	0.46
29	79.0	18.00	5.00	38.00	8.34	1.20	0.50
30	83.1	16.00	9.00	38.00	4.05	2.59	1.62
31	82.8	28.00	19.00	46.00	2.91	15.97	0.64
32	80.7	20.00	4.00	26.00	-2.02	-4.05	1.24
555	84.2	12.00	7.00	28.00	-2.36	0.02	1.62
556	81.3	12.00	11.00	37.00	-5.87	5.77	1.00

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
38	88.3	20.00	9.00	35.00	13.76	2.55	0.86
39	81.4	11.00	8.00	35.00	-6.55	1.33	0.67
40	83.6	18.00	9.00	31.00	8.45	2.56	0.81
41	81.5	18.00	16.00	49.00	4.42	11.94	0.58
42	99.3	20.00	14.00	42.00	13.27	9.37	0.87
43	85.0	12.00	8.00	24.00	-4.00	1.32	0.94
44	90.9	20.00	13.00	46.00	12.10	7.95	0.76
45	79.2	12.00	11.00	31.00	-6.17	5.32	0.71
46	86.8	22.00	12.00	45.00	16.28	6.54	0.59
47	86.8	15.00	14.00	36.00	-0.37	9.35	0.76
48	90.8	18.00	10.00	39.00	9.18	3.94	1.06
49	81.5	14.00	15.00	38.00	-3.72	10.66	0.87
50	88.2	13.00	4.00	32.00	0.78	-4.06	0.84
51	92.2	17.00	14.00	46.00	4.93	9.36	0.81
52	85.5	15.00	9.00	40.00	2.15	2.62	0.97
53	85.8	22.00	14.00	47.00	15.01	9.22	0.52
54	84.5	26.00	6.00	36.00	27.81	-1.61	0.97
55	89.5	24.00	11.00	41.00	21.94	5.17	0.64
56	87.7	14.00	7.00	34.00	1.32	-0.04	1.07
57	98.1	12.00	12.00	33.00	-4.76	6.80	1.01
58	91.7	18.00	7.00	35.00	11.03	-0.10	1.06
59	96.4	20.00	8.00	39.00	16.09	1.23	2.61
60	95.0	14.00	14.00	34.00	-1.59	9.44	1.46
61	80.8	18.00	11.00	36.00	6.94	5.23	1.34
62	79.7	17.00	7.00	37.00	6.69	-0.12	0.79
63	80.8	12.00	8.00	27.00	-4.45	1.31	1.18
64	84.3	21.00	8.00	42.00	15.69	1.17	0.58
65	85.2	10.00	11.00	26.00	-10.00	5.39	0.86
66	78.2	26.00	10.00	46.00	24.09	3.74	0.41
67	78.1	17.00	13.00	40.00	3.35	7.90	0.47
68	79.6	18.00	3.00	31.00	10.89	-5.50	0.61
69	76.2	16.00	8.00	38.00	3.52	1.22	0.57
70	79.3	14.00	9.00	34.00	-0.84	2.60	0.66
71	78.8	20.00	7.00	34.00	12.96	-0.18	0.66
72	82.6	14.00	10.00	31.00	-0.96	3.96	0.69
73	79.9	25.00	9.00	39.00	22.87	2.42	0.65
74	81.3	14.00	8.00	31.00	-0.07	1.27	1.09
75	76.1	14.00	7.00	32.00	-0.20	-0.09	0.85
76	79.5	22.00	9.00	40.00	16.34	2.47	1.15
77	78.7	19.00	6.00	36.00	11.31	-1.50	0.77
78	78.8	18.00	11.00	40.00	6.62	5.21	0.67
79	81.9	17.00	14.00	41.00	3.36	9.28	0.55
80	78.3	14.00	7.00	32.00	0.07	-0.08	0.89
81	80.3	17.00	3.00	29.00	8.86	-5.48	1.44
82	82.6	14.00	11.00	34.00	-1.50	5.31	0.65
83	78.3	14.00	10.00	30.00	-1.48	3.94	0.72
84	80.3	19.00	7.00	32.00	11.10	-0.15	1.23
85	77.5	13.00	10.00	33.00	-3.69	3.95	1.00
86	80.0	18.00	12.00	39.00	6.28	6.56	0.53
87	80.3	14.00	6.00	27.00	0.84	-1.41	1.04
88	78.1	23.00	11.00	41.00	17.16	5.13	0.88
89	81.3	29.00	8.00	44.00	32.40	1.02	0.83
90	78.9	21.00	9.00	35.00	14.09	2.49	0.73
91	81.4	20.00	8.00	37.00	12.93	1.17	0.53
92	78.9	11.00	9.00	31.00	-7.31	2.65	0.89
93	75.5	14.00	8.00	37.00	-0.78	1.25	0.74
94	79.0	20.00	9.00	39.00	11.96	2.50	1.00
95	80.3	19.00	11.00	45.00	9.00	5.00	0.00

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565

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SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
96	80.9	18.00	8.00	41.00	8.52	1.20	0.79
97	80.1	16.00	8.00	29.00	4.09	1.24	1.02
98	81.0	13.00	7.00	27.00	-1.75	-0.05	1.24
99	79.3	18.00	4.00	39.00	10.33	-4.16	1.09
620	81.2	16.00	8.00	31.00	4.24	1.24	1.00
101	92.8	15.00	11.00	32.00	2.12	5.36	1.34
102	85.1	12.00	7.00	28.00	-3.46	-0.02	0.99
103	79.6	26.00	8.00	45.00	25.47	1.07	0.66
104	78.8	22.00	5.00	40.00	18.26	-2.89	0.67
625	79.9	10.00	8.00	25.00	-8.84	1.33	0.94
106	79.7	12.00	10.00	29.00	-5.61	3.98	0.75
107	84.0	17.00	10.00	32.00	5.79	3.92	0.62
108	80.8	14.00	6.00	30.00	0.92	-1.41	0.79
109	87.0	21.00	10.00	39.00	15.18	3.87	1.35
630	81.4	14.00	14.00	32.00	-3.21	9.32	1.25
111	81.4	7.00	9.00	29.00	-15.74	2.73	1.28
112	81.2	26.00	11.00	46.00	24.30	5.09	1.17
113	82.0	17.00	9.00	39.00	6.00	2.57	0.85
114	85.9	17.00	14.00	38.00	3.95	9.31	0.90
635	96.8	20.00	9.00	40.00	15.60	2.58	1.56
116	83.6	20.00	14.00	43.00	10.17	9.24	0.93
117	77.3	14.00	10.00	30.00	-1.59	3.93	0.74
118	81.2	11.00	9.00	28.00	-7.09	2.67	1.78
119	85.1	10.00	8.00	27.00	-8.41	1.36	1.53
120	83.6	17.00	4.00	34.00	8.91	-4.14	0.83
121	91.6	14.00	10.00	36.00	0.20	4.02	1.50
122	92.1	18.00	12.00	45.00	8.31	6.65	0.98
123	82.3	14.00	7.00	35.00	0.58	-0.06	0.87
124	78.1	19.00	12.00	41.00	8.12	6.53	1.49
645	81.4	20.00	7.00	38.00	13.45	-0.17	0.91
126	79.0	12.00	11.00	34.00	-6.19	5.32	0.94
127	78.1	22.00	9.00	41.00	16.06	2.47	0.50
128	77.8	18.00	12.00	40.00	5.95	6.55	0.79
129	80.1	21.00	14.00	51.00	11.72	9.19	0.50
650	83.7	12.00	12.00	32.00	-6.27	6.69	1.12
651	78.8	20.00	8.00	35.00	12.45	1.16	0.86
8	81.6	21.00	7.00	36.00	15.65	-0.18	0.67

ID: EQUIPMENT

SURVY

USER: 3

COMMENT: EQUIPMENT SURVY

PRESET TIME : 1.00

A CALC : DL DPM

COUNT BLANK : YES

TWO PHASE : NO

SCINTILLATOR : LIGHT

LOW LEVEL : NO

REPETITION : 1

REPEATS : 1

CYCLE REPEATS : 1

LOW SAMPLE REJ: 0

HALF LIFE CORRECTION DATE:

PRINTER

RS232

EDIT

EDIT

ISOTOPE 1: 3H %ERROR: 2.00 FACTOR:1.0000

ISOTOPE 2: 14C %ERROR: 2.00 FACTOR:1.0000

WIDE OPEN WINDOW %ERROR: 0.00 FACTOR:1.0000

BACKGROUND QUENCH CURVE: Off

COI OR QUENCH CORRECTION: Off

Quench Limits Low:13.658 High:324.14

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
B1	73.0	31.00	9.00	59.00	60.10	11.52	1.69
		Blank Average DPM for		3H :	60.10	COEF. OF VAR: 0.000	
		Blank Average DPM for		14C :	11.52	COEF. OF VAR: 0.000	
652	74.7	20.00	11.00	42.00	-23.75	2.86	3.99
	73.8	18.00	11.00	38.00	-28.06	2.88	1.79
	74.8	18.00	6.00	35.00	-25.40	-3.79	2.02
655	76.6	18.00	8.00	38.00	-26.11	-1.11	2.87
	75.7	21.00	8.00	37.00	-19.94	-1.17	3.10
	76.0	19.00	10.00	40.00	-25.12	1.54	3.55
658	75.4	24.00	8.00	40.00	-13.69	-1.22	3.31