

Radiological Survey Sheet

Job Location 118 C / 118 C 314 Page 1 of 23
 Survey Purpose LAB CLOSE OUT Date 11-27-00
 Performed By E. GAILOR E. Gailor
 (Print) (Sign)

Inst.(1) (Model/SN) Beckman LS 6500 #7069448	Inst.(2) Wellum 2241-2 (Model/SN) # 163603	Inst.(3) (Model/SN)
Det. Internal (Model/SN)	Det. Wellum 43-68 (Model/SN) # 12149613	Det. (Model/SN)
Eff. See LSC Printout	Eff. = 890 C-14	Eff.
Type rad. β	Type rad. β	Type rad.
Bkgd. See LSC Printout	Bkgd. 300cpm	Bkgd.
Cal. Due: 12/00	Cal. Due 2/13/01	Cal. due

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
1.	1240	door & HNDL	1	See attached LSC Printout
2.		FLOOR	1	
3.		UPPER WALL	1	
4.		LOWER "	1	
5.		UPPER "	1	
6.		LOWER "	1	
7.		UPPER "	1	
8.		LOWER "	1	
9.		UPPER SIDE OF HOOD	1	
10.		LOWER " " "	1	
11.		FLOOR	1	
12.		HOOD UPPER LEFT VENT	1	
13.		" " RIGHT "	1	
14.		" " UPPER LEFT SECTION	1	
15.		" " RIGHT SECTION	1	
16.		HOOD LOWER LEFT VENT	1	
17.		" " RIGHT "	1	
18.		" " LOWER LEFT SECTION	1	

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
19	1240	Hood Lower RIGHT SECTION	1	See attached LSC Printout
20		Hood LEFT SIDE	1	
21		" RIGHT "	1	
22		Hood bottom ^{LEFT} RIGHT SIDE & LIP	1	
23		" " RIGHT " & "	1	
24		Hood COP	1	
25		INSIDE Hood GLASS & SASH	1	
26		OUTSIDE " " & "	1	
27		CAB. doors & HANDLS	1	
28		BACK OF CAB.	1	
29		LEFT SIDE OF CAB	1	
30		RIGHT " " "	1	
31		BOTTOM OF CAB.	1	
32		CAB. doors & HANDLS	1	
33		BACK OF CAB	1	
34		LEFT SIDE OF CAB	1	
35		RIGHT " " "	1	
36		BOTTOM OF CAB	1	
37		FLOOR	1	
38		CAB. doors & HANDLS	1	
39		TOP SHELF	1	
40		2nd "	1	
41		3rd "	1	
42		BOTTOM "	1	
43		CAB. doors & HANDLS	1	
44		TOP SHELF	1	
45		2nd "	1	
46		3rd "	1	

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
47	1240	BOTTOM SHELF	1	See attached LSC Printout
48		UPPER WALL	1	
49		LOWER "	1	
50		WALL BELOW CAB.S	1	
51		LEDGE	1	
52		SHELF PC 1	1	
53		" PC 2	1	
54		" PC 3	1	
55		LOWER WALL	1	
56		FLOOR	1	
57		DRAWERS & HANDLS	1	
58		TOP DRAWER	1	
59		MIDDLE "	1	
60		BOTTOM "	1	
61		DRAWER & HANDL	1	
62		DRAWER	1	
63		CAB. DOORS & HANDLS	1	
64		TOP SHELF	1	
65		2ND "	1	
66		3RD "	1	
67		BOTTOM "	1	
68		WALL BELOW CABS.	1	
69		SHELF	1	
70		TOP SHELF	1	
71		MIDDLE "	1	
72		BOTTOM "	1	
73		DESK	1	
74		DRAWERS & HANDLS	1	

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
75	1240	TOP DRAWER	1	See attached LSC Printout
76	↑	2ND "	1	
77		3RD "	1	
78		BOTTOM "	1	
79		DRAWERS & HANDLS	1	
80		TOP DRAWER	1	
81		2ND "	1	
82		3RD "	1	
83		BOTTOM "	1	
84		DRAWER & HNDL	1	
85		DRAWER	1	
86		DRAWERS & HANDLS	1	
87		TOP DRAWER	1	
88		2ND "	1	
89		3RD "	1	
90		BOTTOM "	1	
91		DOORS & HANDLS	1	
92		TOP DRAWER	1	
93		2ND "	1	
94		3RD "	1	
95		BOTTOM "	1	
96		TOP RACK	1	
97		2ND "	1	
98		SHELF	1	
99		COUNTER	1	
100		CUP	1	
101		TOP RACK	1	
102	√	2ND "	1	↓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
103	1240	SHelf	1	See attached LSC Printout
104	↑	COUNTER	1	
105		CUP	1	
106		COUNTER	1	
107		"	1	
108		FLOOR UNDER COUNTER	1	
109		COUNTER	1	
110		COUNTER	1	
111		FLOOR	1	
112		"	1	
113		"	1	
114		"	1	
115		Side of COUNTER	1	
116		" " "	1	
117		FLOOR	1	
118		TOP DRAWER & HNDL	1	
119		DRAWER	1	
120		CAB. doors & HNDLS	1	
121		TOP SHELF	1	
122		BOTTOM "	1	
123		DRAWER & HNDL	1	
124		DRAWER	1	
125		DRAWERS & HNDLS	1	
126		TOP DRAWER	1	
127		2ND "	1	
128		3RD "	1	
129		BOTTOM "	1	
130	↓	DRAWER & HNDL	1	↓

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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
131	1240	DRAWER	1	See attached LSC Printout
132		DRAWERS & HANDLS	1	
133		TOP DRAWER	1	
134		2ND "	1	
135		3RD "	1	
136		BOTTOM "	1	
137		DRAWERS & HANDLS	1	
138		TOP ^{ED} DRAWER	1	
139		MIDDLE ^{ED} DRAWERS & HANDLS	1	
140		BOTTOM ^{ED} TOP ^{ED} DRAWER	1	
141		MIDDLE "	1	
142		BOTTOM "	1	
143		CAB. DOORS & HANDLS	1	
144		TOP SHELF	1	
145		MIDDLE "	1	
146		BOTTOM "	1	
147		CAB. DOORS & HANDLS	1	
148		TOP SHELF	1	
149		2ND "	1	
150		3RD "	1	
151		BOTTOM "	1	
152		CAB DOORS & HANDLS	1	
153		TOP SHELF	1	
154		2ND "	1	
155		3RD "	1	
156		BOTTOM SHELF	1	
157		TOP SHELF	1	
158		MIDDLE "	1	

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Date 11-27-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
159	1240	BOTTOM SHELF	1	See attached LSC Printout
160	↑	DESK	1	
161		SHELF	1	
162		WALL BELOW CABS	1	
163		TOP SHELF	1	
164		BOTTOM "	1	
165		WALL BELOW SHELF	1	
166		FLOOR	1	
167		COUNTER	1	
168		FLOOR UNDER COUNTER	1	
169		COUNTER	1	
170		FLOOR UNDER COUNTER	1	
171		COUNTER	1	
172		SHELF	1	
173		TOP SHELF	1	
174		MIDDLE "	1	
175		BOTTOM "	1	
176		DESK	1	
177		DRAWER & HANDLS	1	
178		TOP DRAWER	1	
179		MIDDLE "	1	
180		BOTTOM "	1	
181		DRAWER & HANDLS	1	
182		DRAWER	1	
183		DRAWERS & HANDLS	1	
184		TOP DRAWER	1	
185		2ND "	1	
186	↓	3RD "	1	↓

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Date 11-27-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
187	1240	BOTTOM DRAWER	1	See attached LSC Printout
188	↑	DRAWER & HNDL	1	
189		DRAWER	1	
190		DRAWERS & HNDLS	1	
191		TOP DRAWER	1	
192		2ND "	1	
193		3RD "	1	
194		BOTTOM "	1	
195		DRAWER & HNDL	1	
196		DRAWER	1	
197		DRAWERS & HNDLS	1	
198		TOP DRAWER	1	
199		2ND "	1	
200		3RD "	1	
201	↓	BOTTOM "	1	
202	11-28-00 0720	TOP RACK	1	
203	↑	2ND "	1	
204		SHELF	1	
205		COUNTER	1	
206		CUP	1	
207		TOP RACK	1	
208		2ND "	1	
209		SHELF	1	
210		COUNTER	1	
211		CUP	1	
212		COUNTER	1	
213		FLOOR UNDER COUNTER	1	
214	↓	COUNTER	1	↓

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Date 11-28-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
215	0720	FLOOR UNDER COUNTER	1	See attached LSC Printout
216	↑	COUNTER	1	
217		COUNTER	1	
218		METAL PC	1	
219		FLOOR	1	
220		"	1	
221		"	1	
222		"	1	
223		SIDE OF COUNTER	1	
224		" " "	1	
225		DRAWER & HNDL	1	
226		DRAWER	1	
227		CAB. DOOR S & HNDLS	1	
228		TOP SHELF	1	
229		BOTTOM SHELF	1	
230		BACK OF CAB.	1	
231		LEFT SIDE OF CAB	1	
232		RIGHT " " "	1	
233		DRAWER & HNDL	1	
234		DRAWER	1	
235		DRAWERS & HNDLS	1	
236		TOP DRAWER	1	
237		2ND "	1	
238		3RD "	1	
239		BOTTOM "	1	
240		DRAWER & HNDL	1	
241		DRAWER	1	
242	↓	DRAWERS & HNDLS	1	↓

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Date 11-28-58

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
243	0720	TOP DRAWER	1	See attached LSC Printout
244	↑	2ND "	1	
245		3RD "	1	
246		BOTTOM "	1	
247		DRAWER & HNDL	1	
248		DRAWER	1	
249		DRAWERS & HNDLS	1	
250		TOP DRAWER	1	
251		MIDDLE "	1	
252		BOTTOM "	1	
253		TOP SHELF	1	
254		MIDDLE "	1	
255		BOTTOM "	1	
256		WALL BELOW CABS,	1	
257		RED SHELF	1	
258		UPPER WALL	1	
259		LOWER "	1	
260		UPPER "	1	
261		LOWER "	1	
262		FLOOR	1	
263		TOP SHELF OF CART	1	
264		MIDDLE " " "	1	
265		BOTTOM " " "	1	
266		COUNTER	1	
267		FLOOR UNDER COUNTER	1	
268		COUNTER	1	
269		FLOOR UNDER COUNTER	1	
270	↓	COUNTER	1	↓

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Date 11-28-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
271	0720	UPPER WALL	1	See attached LSC Printout
272	↑	LOWER "	1	
273		UPPER "	1	
274		LOWER "	1	
275		UPPER "	1	
276		LOWER "	1	
277		UPPER "	1	
278		LOWER "	1	
279		FLOOR	1	
280		"	1	
281		"	1	
282		"	1	
283		INSIDE GLASS	1	
284		" "	1	
285		TABLE TOP	1	
286		FLOOR	1	
287		FLOOR	1	
288		"	1	
289		"	1	
290		"	1	
291		UPPER WALL	1	
292		LOWER "	1	
293		UPPER "	1	
294		LOWER "	1	
295		FLOOR	1	
296		"	1	
297		"	1	
298	✓	"	1	↓

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Date 11-25-80

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
299	0720	FLOOR	1	See attached LSC Printout
300		FLOOR	1	
301		SIDE OF COUNTER	1	
302		LEFT SIDE OF SHELF	1	
303		MIDDLE " "	1	
304		RIGHT " "	1	
305		UPPER WALL	1	
306		WALL BELOW SHELF	1	
307		" " "	1	
308		" " "	1	
309		TOP SHELF	1	
310		MIDDLE "	1	
311		BOTTOM "	1	
312		PEG BOARD & TRAY BEHIND SINK	1	
313		CAB. DOORS & HANDLS	1	
314		TOP SHELF	1	
315		2ND "	1	
316		3RD "	1	
317		BOTTOM "	1	
318		CAB. DOORS & HANDLS	1	
319		TOP SHELF	1	
320		MIDDLE "	1	
321		BOTTOM "	1	
322		DRAWERS & HANDLS	1	
323		TOP DRAWER	1	
324		2ND "	1	
325		3RD "	1	
326		BOTTOM "	1	

Radiological Survey Continuation Sheet

Date 11-28-00

No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
327	0720	DRAWERS & HANDLS	1	See attached LSC Printout
328	↑	TOP DRAWER	1	
329		2ND "	1	
330		3RD "	1	
331		BOTTOM "	1	
332		DRAWERS & HANDLS	1	
333		TOP DRAWER	1	
334		2ND "	1	
335		3RD "	1	
336		BOTTOM "	1	
337		DRAWERS & HANDLS	1	
338		TOP DRAWER	1	
339		2ND "	1	
340		BOTTOM DRAWER CAB.	1	
341		TOP 4 DRAWERS & HANDLS	1	
342		BOTTOM 4 " " "	1	
343		TOP DRAWER	1	
344		2ND "	1	
345		3RD "	1	
346		4TH "	1	
347		5TH "	1	
348		6TH "	1	
349		7TH "	1	
350		BOTTOM "	1	
351		CAB. doors & HANDLS	1	
352		BACK OF CAB.	1	
353		LEFT SIDE OF CAB	1	
354	✓	RIGHT " " "	1	✓

Radiological Survey Continuation Sheet

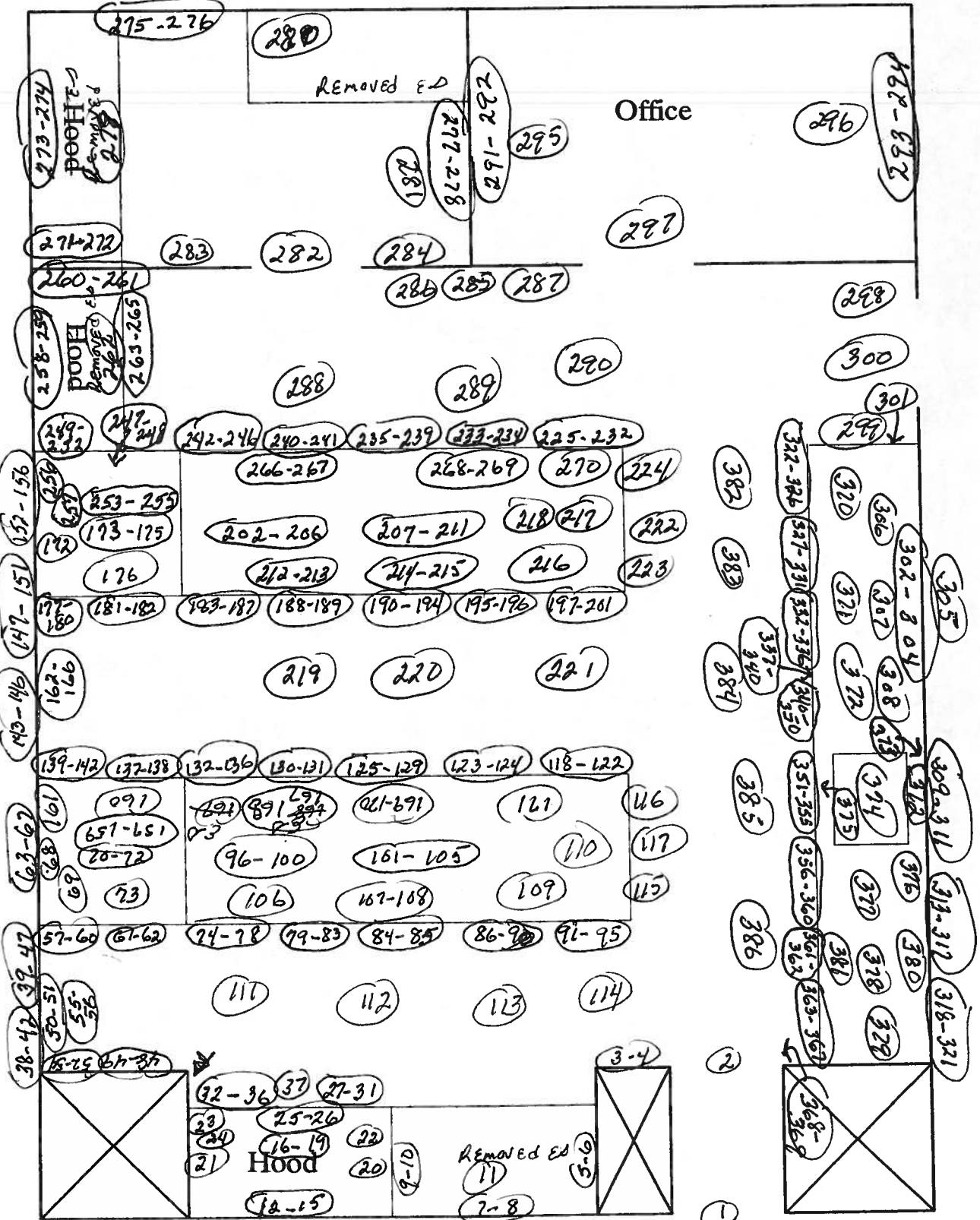
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No.	Time	Location	Inst. Used	Total Activity (dpm/100 cm ²)
355	0720	BOTTOM OF CAB	1	See attached LSC Printout
356	↑	DRAWERS & HANDLS	1	
357		TOP DRAWER	1	
358		2ND "	1	
359		3RD "	1	
360		BOTTOM "	1	
361		DRAWER & HANDL	1	
362		DRAWER	1	
363		DRAWERS & HANDLS	1	
364		TOP DRAWER	1	
365		2ND "	1	
366		3RD "	1	
367		BOTTOM "	1	
368		UPPER WALL	1	
369		LOWER "	1	
370		COUNTER	1	
371		"	1	
372		"	1	
373		BEHIND SINK	1	
374		INSIDE "	1	
375		SINK LEDGE	1	
376		CUP	1	
377		COUNTER	1	
378		"	1	
379		"	1	
380		WALL BELOW CABS	1	
381		FLOOR UNDER COUNTER	1	
382	✓	FLOOR	1	✓

Bld. 118C Room C314

O = wipe location



Surveyed = 100% of lower surfaces using instrument #2. All surfaces surveyed were noted to be at normal background levels

ID: MONTHLY WIPES

28 NOV 2000 06:59

USER: 4 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 AGC : 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	89.4	15.00	7.00	36.00	27.23	9.29	2.37
1	83.9	28.00	10.00	49.00	23.83	3.87	1.81
2	90.7	20.00	13.00	44.00	7.36	8.07	4.44
3	85.5	12.00	9.00	33.00	-7.60	2.72	1.82
4	89.8	21.00	11.00	46.00	10.33	5.34	1.06
5	82.1	13.00	10.00	30.00	-6.43	4.04	2.06
6	87.7	13.00	14.00	38.00	-7.96	9.49	4.71
7	84.4	16.00	9.00	34.00	0.34	2.67	2.70
8	86.8	20.00	12.00	39.00	7.24	6.69	2.30
9	92.1	18.00	8.00	33.00	6.11	1.33	1.88
10	92.5	13.00	9.00	31.00	-4.84	2.75	2.54
11	105.7	15.00	21.00	42.00	-5.74	19.20	4.92
12	95.3	13.00	10.00	29.00	-5.07	4.13	2.38
13	94.6	32.00	12.00	51.00	34.01	6.60	17.48
14	93.8	14.00	9.00	33.00	-2.58	2.75	1.86
15	97.7	261.00	165.00	433.00	443.05	211.78	0.30
16	93.2	25.00	18.00	58.00	15.61	14.82	1.81
17	104.6	16.00	8.00	31.00	3.90	1.42	2.67
18	96.6	15.00	6.00	32.00	1.56	-1.33	3.37
19	93.0	22.00	6.00	37.00	15.74	-1.43	2.52
20	88.7	14.00	9.00	37.00	-3.19	2.72	2.19
21	93.8	19.00	5.00	36.00	10.12	-2.75	2.05
22	87.0	16.00	18.00	47.00	-3.99	14.85	2.08
23	89.3	17.00	6.00	34.00	4.64	-1.38	2.05
24	98.8	19.00	10.00	37.00	8.32	4.07	2.43
25	90.7	21.00	10.00	40.00	11.04	4.00	2.30
26	88.4	17.00	11.00	35.00	1.87	5.38	1.12
27	84.0	15.00	6.00	31.00	-0.19	-1.37	4.17
28	75.8	11.00	6.00	27.00	-8.92	-1.36	1.10
29	77.9	15.00	9.00	33.00	-2.42	2.64	1.38
30	76.8	23.00	6.00	43.00	14.44	-1.49	0.67
31	96.0	17.00	11.00	37.00	2.99	5.44	13.83
32	87.1	18.00	17.00	42.00	0.62	13.48	1.98
33	89.6	13.00	6.00	27.00	-3.58	-1.33	3.16
34	86.9	15.00	11.00	36.00	-2.40	5.40	1.71
35	85.6	22.00	7.00	35.00	13.67	-0.10	2.52
36	109.7	20.00	11.00	39.00	12.19	5.49	8.20
37	98.9	10.00	13.00	31.00	-12.83	8.27	3.59
38	87.2	15.00	10.00	34.00	-1.85	4.05	2.27

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
39	100.9	24.00	14.00	51.00	17.41	9.47	2.75
40	95.4	12.00	9.00	35.00	-6.64	2.78	2.50
41	93.2	16.00	12.00	31.00	-0.07	6.79	2.83
42	94.1	20.00	8.00	45.00	10.66	1.31	4.69
43	87.1	11.00	5.00	23.00	-7.41	-2.67	3.39
44	94.5	18.00	9.00	41.00	5.96	2.70	2.11
45	94.1	15.00	9.00	34.00	-0.44	2.73	2.89
46	92.6	24.00	11.00	53.00	17.16	5.33	1.72
47	98.4	16.00	11.00	38.00	1.20	5.47	2.94
48	79.8	17.00	8.00	32.00	2.22	1.28	3.58
49	86.6	14.00	12.00	38.00	-4.99	6.76	2.02
50	82.8	19.00	9.00	38.00	6.13	2.62	2.60
51	88.3	18.00	10.00	34.00	4.43	4.02	1.93
52	89.2	22.00	10.00	47.00	12.81	3.97	2.21
53	95.0	12.00	11.00	30.00	-7.76	5.49	7.20
54	88.9	17.00	10.00	44.00	2.47	4.03	1.89
55	86.0	17.00	18.00	45.00	-2.06	14.83	1.49
56	119.0	15.00	7.00	32.00	4.79	0.13	4.32
57	85.4	25.00	8.00	38.00	19.17	1.21	2.13
58	91.4	15.00	16.00	38.00	-4.52	12.21	2.20
59	88.2	17.00	10.00	36.00	2.38	4.03	3.65
60	99.5	15.00	9.00	33.00	0.32	2.77	3.22
61	86.7	27.00	8.00	44.00	23.52	1.19	1.67
62	90.8	14.00	8.00	30.00	-2.42	1.37	5.39
63	91.0	23.00	8.00	41.00	16.30	1.26	2.80
64	99.6	16.00	11.00	37.00	1.38	5.48	3.90
65	98.0	21.00	11.00	43.00	11.92	5.40	2.38
66	94.2	21.00	8.00	36.00	12.79	1.30	7.30
67	98.7	24.00	6.00	39.00	21.34	-1.44	4.48
68	87.8	13.00	13.00	38.00	-7.43	8.13	2.01
69	96.9	18.00	13.00	43.00	4.17	8.15	2.97
70	89.9	19.00	11.00	41.00	6.22	5.37	1.89
71	92.3	17.00	9.00	35.00	3.52	2.70	3.88
72	90.1	22.00	12.00	38.00	11.94	6.69	1.66
73	90.2	18.00	13.00	40.00	3.14	8.09	2.69
74	90.4	10.00	9.00	23.00	-11.28	2.78	2.89
75	86.0	15.00	14.00	40.00	-4.06	9.45	1.71
76	90.4	19.00	10.00	36.00	6.83	4.02	2.74
77	92.6	16.00	12.00	44.00	-0.15	6.78	2.30
78	90.4	24.00	15.00	55.00	14.54	10.73	2.11
79	93.2	20.00	13.00	44.00	7.79	8.09	1.12
80	87.5	18.00	10.00	35.00	4.31	4.01	2.35
81	90.0	23.00	11.00	39.00	14.50	5.32	3.50
82	92.8	16.00	17.00	41.00	-2.81	13.57	3.03
83	90.5	17.00	13.00	39.00	1.12	8.11	2.19
84	89.9	23.00	10.00	41.00	15.02	3.97	1.73
85	90.8	23.00	15.00	53.00	12.55	10.75	1.62
86	90.3	24.00	11.00	39.00	16.64	5.31	1.49
87	91.6	24.00	10.00	36.00	17.45	3.96	1.48
88	90.4	17.00	11.00	41.00	2.16	5.40	2.36
89	85.9	14.00	11.00	38.00	-4.55	5.40	1.65
90	95.0	21.00	8.00	44.00	12.97	1.31	2.28
91	91.7	28.00	9.00	44.00	26.35	2.56	2.86
92	91.8	15.00	11.00	39.00	-1.81	5.43	2.45
93	86.9	21.00	10.00	43.00	10.32	3.97	5.38
94	87.6	18.00	8.00	32.00	5.36	1.31	4.36
95	89.7	23.00	13.00	51.00	13.40	8.03	3.23
96	90.0	16.00	9.00	30.00	1.09	2.70	3.50

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
97	85.4	16.00	11.00	38.00	-0.56	5.38	2.79
98	90.6	17.00	10.00	35.00	2.72	4.05	2.90
99	86.4	24.00	10.00	41.00	16.33	3.93	2.61
100	104.3	16.00	17.00	41.00	-1.35	13.70	2.87
101	84.6	21.00	10.00	42.00	9.91	3.96	4.01
102	88.1	13.00	12.00	42.00	-6.88	6.78	2.02
103	87.8	21.00	7.00	34.00	12.06	-0.08	3.20
104	89.1	17.00	10.00	34.00	2.50	4.04	3.15
105	84.3	26.00	8.00	43.00	20.93	1.20	1.98
106	86.6	14.00	15.00	39.00	-6.54	10.82	7.22
107	85.6	19.00	9.00	36.00	6.56	2.64	3.44
108	95.4	19.00	15.00	46.00	4.98	10.84	2.56
109	83.0	18.00	7.00	33.00	5.16	-0.06	2.35
110	81.1	15.00	7.00	31.00	-1.06	-0.04	3.84
111	94.4	21.00	9.00	35.00	12.29	2.66	8.01
112	90.5	18.00	12.00	39.00	3.72	6.74	2.53
113	85.4	16.00	15.00	38.00	-2.61	10.78	2.45
114	88.5	15.00	9.00	32.00	-1.17	2.70	2.60
115	91.2	17.00	13.00	34.00	1.21	8.11	2.07
116	84.6	18.00	8.00	34.00	4.91	1.29	3.35
117	93.4	19.00	14.00	43.00	5.20	9.47	3.03
118	87.1	21.00	15.00	43.00	7.76	10.74	1.87
119	93.0	23.00	8.00	46.00	16.75	1.27	4.29
120	88.0	23.00	7.00	35.00	16.18	-0.10	2.77
121	86.8	18.00	4.00	34.00	7.32	-4.10	2.61
122	91.7	19.00	5.00	33.00	9.73	-2.75	4.51
123	89.4	15.00	10.00	37.00	-1.57	4.06	2.93
124	95.2	16.00	8.00	34.00	2.38	1.37	2.44
125	84.2	25.00	9.00	43.00	18.40	2.56	5.47
126	95.5	18.00	19.00	46.00	0.67	16.29	3.47
127	86.9	15.00	10.00	34.00	-1.89	4.05	5.76
128	89.0	16.00	12.00	32.00	-0.62	6.75	2.53
129	87.1	15.00	13.00	34.00	-3.42	8.10	4.76
130	83.7	17.00	10.00	36.00	1.75	4.00	4.18
131	82.4	24.00	7.00	38.00	17.03	-0.14	1.88
132	87.0	13.00	12.00	36.00	-6.99	6.78	5.03
133	91.9	18.00	15.00	46.00	2.33	10.82	5.21
134	93.5	12.00	10.00	32.00	-7.37	4.13	4.71
135	84.8	29.00	7.00	39.00	27.62	-0.19	2.31
136	91.6	13.00	6.00	27.00	-3.33	-1.32	4.20
137	101.6	20.00	4.00	35.00	14.46	-4.10	2.74
138	87.7	18.00	9.00	34.00	4.87	2.66	5.25
139	85.2	16.00	8.00	36.00	0.95	1.32	2.04
140	84.6	16.00	12.00	37.00	-1.17	6.72	2.27
141	88.5	23.00	7.00	37.00	16.30	-0.10	3.01
142	105.0	19.00	10.00	35.00	9.53	4.11	6.15
143	90.3	23.00	13.00	42.00	13.52	8.03	2.18
144	104.4	17.00	16.00	39.00	1.47	12.33	3.87
145	89.6	20.00	11.00	43.00	8.23	5.36	2.71
146	91.2	25.00	12.00	49.00	18.39	6.66	2.12
147	86.3	23.00	5.00	35.00	16.88	-2.81	2.46
148	88.7	20.00	7.00	34.00	10.18	-0.06	2.47
149	89.1	17.00	12.00	35.00	1.45	6.74	2.32
150	88.9	26.00	9.00	41.00	21.51	2.57	2.65
151	91.6	18.00	13.00	45.00	3.35	8.11	2.80
152	95.0	15.00	11.00	30.00	-1.40	5.46	4.35
153	98.3	17.00	5.00	28.00	6.69	-2.71	5.17
154	102.2	15.00	11.00	32.00	-0.42	5.51	4.57

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
155	97.2	23.00	10.00	43.00	16.60	4.01	4.50
156	93.1	28.00	5.00	39.00	28.90	-2.86	4.42
157	95.6	24.00	16.00	48.00	15.10	12.14	3.63
158	94.3	19.00	6.00	32.00	9.67	-1.39	2.59
159	86.1	30.00	13.00	52.00	26.89	7.91	1.50
160	89.7	19.00	7.00	34.00	8.30	-0.05	3.46
161	96.2	17.00	10.00	42.00	3.57	4.08	2.60
162	82.8	21.00	9.00	41.00	10.11	2.60	3.44
163	89.3	16.00	12.00	36.00	-0.58	6.76	3.01
164	87.1	20.00	7.00	37.00	9.89	-0.07	2.13
165	86.9	22.00	11.00	42.00	11.85	5.31	3.09
166	98.8	19.00	10.00	40.00	8.32	4.07	4.47
167	88.4	25.00	10.00	47.00	18.80	3.93	2.12
168	101.7	30.00	10.00	43.00	33.05	3.94	42.40
169	88.5	14.00	11.00	31.00	-4.26	5.42	6.09
170	105.5	18.00	10.00	40.00	7.38	4.13	7.36
171	85.3	13.00	8.00	30.00	-5.09	1.36	4.55
172	91.7	14.00	9.00	30.00	-2.84	2.73	1.70
173	92.8	23.00	11.00	44.00	15.09	5.34	5.38
174	88.3	13.00	4.00	30.00	-2.67	-4.04	6.13
175	91.3	21.00	11.00	43.00	10.62	5.36	2.29
176	89.5	20.00	12.00	46.00	7.69	6.71	2.73
177	88.9	25.00	9.00	44.00	19.44	2.58	1.62
178	88.8	11.00	8.00	27.00	-8.82	1.40	4.18
179	90.3	25.00	15.00	50.00	16.60	10.72	2.16
180	91.5	28.00	10.00	48.00	25.78	3.91	3.05
181	88.6	25.00	7.00	39.00	20.43	-0.13	2.68
182	89.7	18.00	14.00	49.00	2.54	9.44	1.40
183	87.1	26.00	17.00	47.00	16.92	13.38	2.46
184	87.9	22.00	10.00	37.00	12.57	3.97	3.04
185	87.7	23.00	8.00	38.00	15.60	1.25	4.35
186	88.9	16.00	7.00	33.00	1.99	-0.01	2.53
187	89.4	17.00	12.00	36.00	1.49	6.75	2.79
188	88.3	17.00	10.00	41.00	2.39	4.03	2.55
189	88.1	19.00	14.00	42.00	4.36	9.42	3.19
190	91.5	16.00	11.00	34.00	0.23	5.42	4.69
191	85.9	14.00	16.00	39.00	-7.13	12.16	1.59
192	84.3	25.00	6.00	38.00	19.95	-1.49	2.32
193	90.7	28.00	14.00	50.00	23.44	9.33	2.96
194	90.7	19.00	13.00	42.00	5.29	8.09	2.62
195	91.4	12.00	12.00	30.00	-8.64	6.82	2.24
196	94.3	15.00	8.00	30.00	0.14	1.38	3.38
197	92.1	20.00	11.00	43.00	8.68	5.37	3.39
198	95.5	19.00	10.00	39.00	7.71	4.05	2.01
199	98.6	23.00	9.00	43.00	17.48	2.66	2.76
200	88.8	16.00	9.00	34.00	0.93	2.69	2.07
201	89.2	17.00	10.00	33.00	2.52	4.04	4.10
202	85.5	21.00	6.00	33.00	12.13	-1.44	5.38
203	87.2	28.00	12.00	47.00	23.61	6.59	2.91
204	85.5	21.00	13.00	48.00	8.53	8.02	6.77
205	86.6	16.00	11.00	36.00	-0.41	5.38	4.47
206	124.1	11.00	12.00	36.00	-7.53	7.12	6.90
207	85.6	18.00	3.00	32.00	7.64	-5.46	5.69
208	84.6	16.00	6.00	34.00	1.90	-1.38	8.40
209	89.5	15.00	15.00	44.00	-4.20	10.83	4.32
210	83.1	19.00	11.00	40.00	5.16	5.32	3.80
211	116.2	22.00	8.00	40.00	20.37	1.39	10.23
212	83.8	17.00	16.00	44.00	-1.30	12.10	3.21

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
113	101.5	20.00	11.00	45.00	10.46	5.44	6.76
114	82.2	21.00	9.00	35.00	10.00	2.60	5.14
215	101.5	21.00	16.00	43.00	9.83	12.24	21.59
216	86.4	15.00	13.00	35.00	-3.49	8.10	6.19
217	86.5	17.00	11.00	39.00	1.61	5.37	3.96
218	84.2	17.00	9.00	36.00	2.33	2.65	6.29
219	90.3	23.00	16.00	41.00	11.92	12.10	6.84
220	92.0	20.00	11.00	39.00	8.66	5.37	5.40
221	88.5	16.00	9.00	34.00	0.89	2.69	26.75
222	87.1	25.00	12.00	49.00	17.49	6.63	3.42
223	85.4	25.00	14.00	51.00	16.08	9.32	12.14
224	87.0	25.00	9.00	44.00	19.02	2.57	5.88
225	83.1	24.00	4.00	39.00	18.70	-4.18	3.59
226	89.6	16.00	8.00	27.00	1.57	1.34	5.07
227	84.0	24.00	10.00	44.00	15.84	3.92	7.69
228	90.6	22.00	9.00	38.00	13.63	2.63	5.38
229	84.7	13.00	10.00	33.00	-6.17	4.06	7.04
230	85.0	20.00	10.00	38.00	7.97	3.97	4.53
231	89.2	20.00	14.00	47.00	6.59	9.41	3.21
232	87.9	12.00	14.00	33.00	-9.99	9.50	8.42
233	85.3	20.00	10.00	37.00	8.02	3.98	5.12
234	85.7	18.00	10.00	36.00	4.05	4.00	4.54
235	84.1	23.00	4.00	42.00	16.92	-4.17	3.59
236	85.1	24.00	9.00	38.00	16.57	2.57	4.69
237	81.8	11.00	8.00	33.00	-9.41	1.36	10.55
238	91.6	21.00	16.00	52.00	8.00	12.14	4.36
239	86.8	20.00	10.00	38.00	8.28	3.98	3.76
240	86.1	16.00	10.00	39.00	0.04	4.03	7.23
241	89.4	18.00	13.00	47.00	3.02	8.09	11.83
242	89.2	19.00	3.00	32.00	10.31	-5.47	8.30
243	82.4	29.00	13.00	50.00	23.94	7.90	5.74
244	83.7	13.00	12.00	34.00	-7.29	6.75	5.92
245	87.4	26.00	10.00	47.00	20.61	3.91	2.03
246	90.4	15.00	9.00	31.00	-0.92	2.71	2.00
247	85.9	17.00	16.00	39.00	-1.05	12.12	3.99
248	88.2	27.00	8.00	41.00	23.92	1.20	2.43
249	95.4	14.00	9.00	37.00	-2.38	2.76	6.21
250	88.2	14.00	13.00	32.00	-5.34	8.13	4.54
251	93.1	15.00	7.00	29.00	0.51	0.02	4.59
252	91.7	21.00	14.00	47.00	9.09	9.42	3.60
253	98.7	16.00	6.00	28.00	4.05	-1.33	6.61
254	106.8	11.00	8.00	26.00	-7.04	1.50	12.01
255	87.8	15.00	13.00	34.00	-3.34	8.11	4.93
256	84.7	18.00	12.00	36.00	2.87	6.70	3.34
257	90.1	30.00	14.00	48.00	27.43	9.30	4.75
258	83.4	16.00	7.00	35.00	1.23	-0.04	4.31
259	88.1	13.00	7.00	32.00	-4.27	0.02	5.49
260	86.6	16.00	10.00	41.00	0.11	4.03	2.36
261	87.7	19.00	7.00	37.00	7.94	-0.06	4.98
262	99.3	21.00	15.00	49.00	9.96	10.86	7.08
263	115.3	19.00	17.00	42.00	7.39	13.80	13.21
264	95.6	24.00	12.00	42.00	17.28	6.70	7.66
265	93.4	27.00	13.00	51.00	22.55	8.01	12.80
266	87.1	13.00	14.00	36.00	-8.01	9.48	5.38
267	94.0	17.00	11.00	34.00	2.68	5.42	2.05
268	85.0	15.00	7.00	30.00	-0.58	-0.02	6.51
269	113.8	18.00	10.00	38.00	9.03	4.18	12.95
270	94.4	19.00	11.00	41.00	6.99	5.40	5.62

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DFM	14C DFM	LUMEX %
271	87.8	16.00	10.00	31.00	0.28	4.04	5.57
272	75.5	23.00	18.00	51.00	8.36	14.63	0.84
273	81.8	17.00	12.00	40.00	0.49	6.69	2.46
274	75.9	10.00	13.00	34.00	-14.25	8.07	1.30
275	82.1	19.00	12.00	40.00	4.50	6.66	2.91
276	88.8	20.00	9.00	39.00	9.15	2.64	6.73
277	87.9	29.00	12.00	54.00	25.83	6.59	3.17
278	88.7	15.00	9.00	37.00	-1.14	2.70	5.70
279	101.8	15.00	9.00	32.00	0.66	2.78	9.34
280	92.6	14.00	7.00	32.00	-1.66	0.03	3.51
281	130.3	24.00	10.00	41.00	28.58	4.19	17.43
282	93.8	14.00	12.00	31.00	-4.20	6.82	4.24
283	88.0	24.00	9.00	41.00	17.19	2.59	3.43
284	85.2	18.00	5.00	32.00	6.54	-2.76	4.48
285	93.1	19.00	13.00	38.00	5.68	8.11	3.51
286	98.8	14.00	9.00	35.00	-1.95	2.77	6.25
287	115.0	9.00	13.00	32.00	-13.93	8.44	6.32
288	94.5	26.00	5.00	40.00	25.06	-2.83	5.97
289	100.2	29.00	12.00	51.00	29.28	6.67	11.98
290	94.6	25.00	13.00	48.00	18.63	8.04	3.95
291	86.4	16.00	6.00	31.00	2.16	-1.38	5.53
292	85.2	19.00	7.00	35.00	7.52	-0.07	7.83
293	85.2	12.00	10.00	28.00	-8.14	4.07	5.15
294	89.1	18.00	3.00	32.00	8.24	-5.45	3.80
295	98.3	15.00	9.00	34.00	0.15	2.76	7.01
296	100.6	18.00	6.00	34.00	8.73	-1.35	7.66
297	93.8	12.00	12.00	32.00	-8.42	6.84	7.38
298	110.3	19.00	16.00	44.00	7.03	12.36	9.76
299	97.7	19.00	8.00	39.00	9.22	1.34	14.63
300	92.6	16.00	12.00	33.00	-0.15	6.78	7.38
301	90.0	15.00	16.00	40.00	-4.67	12.19	4.43
302	88.7	23.00	8.00	41.00	15.82	1.25	5.96
303	96.5	19.00	11.00	46.00	7.35	5.42	6.02
304	87.3	20.00	10.00	38.00	8.37	3.99	4.72
305	85.6	19.00	10.00	36.00	6.05	3.99	7.20
306	86.7	15.00	6.00	27.00	0.16	-1.36	6.20
307	88.5	31.00	14.00	53.00	29.05	9.27	4.23
308	88.5	21.00	10.00	40.00	10.62	3.98	3.00
309	194.3	9.00	14.00	34.00	-4.10	10.88	13.76
310	103.7	20.00	8.00	44.00	12.63	1.36	5.51
311	85.4	22.00	14.00	43.00	10.02	9.36	3.36
312	91.2	18.00	4.00	30.00	8.09	-4.10	7.00
313	83.1	21.00	10.00	38.00	9.65	3.95	4.01
314	92.1	21.00	4.00	38.00	14.51	-4.13	4.19
315	89.1	25.00	7.00	38.00	20.54	-0.12	7.04
316	87.9	28.00	13.00	50.00	23.27	7.95	2.08
317	93.3	17.00	16.00	44.00	-0.11	12.20	5.46
318	85.2	14.00	7.00	36.00	-2.57	-0.01	4.91
319	91.9	21.00	7.00	37.00	12.87	-0.06	4.84
320	88.6	21.00	11.00	44.00	10.12	5.34	4.81
321	105.3	16.00	10.00	36.00	2.86	4.15	9.82
322	87.9	22.00	10.00	42.00	12.56	3.97	4.63
323	93.0	22.00	12.00	41.00	12.51	6.71	3.70
324	91.4	15.00	11.00	36.00	-1.86	5.43	4.43
325	99.4	23.00	3.00	32.00	21.03	-5.51	5.47
326	91.5	16.00	13.00	38.00	-0.83	8.13	2.30
327	85.1	14.00	7.00	27.00	-2.57	-0.01	10.31
328	100.5	19.00	13.00	43.00	6.94	8.17	4.41

SAM NO	H#	3H CPM	14C CPM	WIDE CPM	3H DPM	14C DPM	LUMEX %
329	89.5	20.00	11.00	44.00	8.22	5.36	4.25
330	91.2	19.00	14.00	41.00	4.84	9.45	6.98
331	87.8	12.00	8.00	34.00	-6.87	1.38	6.93
332	91.4	22.00	8.00	45.00	14.31	1.28	3.29
333	101.6	20.00	6.00	37.00	13.32	-1.38	5.63
334	92.5	20.00	11.00	43.00	8.75	5.38	3.55
335	88.2	17.00	8.00	33.00	3.41	1.32	21.49
336	93.5	21.00	10.00	39.00	11.58	4.01	5.84
337	89.6	15.00	15.00	37.00	-4.19	10.83	5.11
338	89.9	24.00	10.00	45.00	17.08	3.95	3.96
339	95.3	14.00	11.00	33.00	-3.48	5.47	3.98
340	110.3	10.00	10.00	27.00	-10.15	4.27	10.08
341	84.2	27.00	13.00	47.00	20.37	7.94	4.33
342	89.7	18.00	5.00	33.00	7.29	-2.74	6.07
343	89.7	23.00	13.00	40.00	13.39	8.03	5.02
344	89.5	21.00	6.00	32.00	12.91	-1.43	3.77
345	90.1	17.00	6.00	30.00	4.76	-1.38	4.49
346	90.3	18.00	7.00	36.00	6.33	-0.03	3.53
347	91.2	29.00	7.00	40.00	29.37	-0.17	3.93
348	94.5	23.00	7.00	45.00	17.62	-0.08	5.14
349	99.4	15.00	12.00	41.00	-1.37	6.85	3.90
350	96.5	23.00	14.00	50.00	14.25	9.44	3.79
351	87.0	20.00	8.00	41.00	9.36	1.28	5.19
352	88.5	17.00	7.00	37.00	3.99	-0.03	4.07
353	83.6	21.00	8.00	41.00	10.75	1.25	3.90
354	87.4	15.00	7.00	29.00	-0.26	-0.01	4.92
355	108.6	15.00	7.00	35.00	2.89	0.08	11.33
356	85.3	23.00	14.00	44.00	12.02	9.34	2.97
357	86.4	23.00	6.00	34.00	16.36	-1.46	4.66
358	92.4	10.00	10.00	28.00	-11.66	4.14	6.39
359	89.3	13.00	13.00	36.00	-7.29	8.15	2.59
360	83.5	20.00	12.00	42.00	6.71	6.66	1.95
361	85.9	25.00	11.00	46.00	17.73	5.27	1.93
362	100.8	15.00	6.00	28.00	2.21	-1.31	4.81
363	91.9	17.00	11.00	41.00	2.38	5.41	5.56
364	89.2	16.00	8.00	35.00	1.50	1.34	5.10
365	87.3	16.00	4.00	35.00	3.33	-4.08	2.80
366	97.6	22.00	12.00	43.00	13.44	6.75	4.49
367	99.4	19.00	11.00	37.00	7.87	5.44	6.36
368	93.6	16.00	10.00	36.00	1.07	4.08	2.66
369	90.8	20.00	13.00	42.00	7.39	8.07	1.34
370	95.0	22.00	7.00	35.00	15.62	-0.07	4.27
371	85.9	20.00	5.00	33.00	10.71	-2.78	10.12
372	89.4	18.00	10.00	39.00	4.61	4.03	4.31
373	112.5	24.00	13.00	45.00	20.97	8.20	8.71
374	90.0	11.00	7.00	34.00	-8.18	0.05	35.22
375	88.1	25.00	9.00	48.00	19.27	2.58	3.47
376	86.7	16.00	11.00	44.00	-0.40	5.38	1.71
377	93.3	31.00	7.00	50.00	34.17	-0.18	6.47
378	93.3	15.00	14.00	37.00	-3.23	9.52	10.08
379	94.9	26.00	10.00	48.00	22.46	3.96	3.81
380	89.2	15.00	6.00	36.00	0.50	-1.35	4.16
381	185.5	9.00	9.00	29.00	-0.72	3.49	11.56
382	93.8	26.00	7.00	38.00	23.81	-0.12	2.11
383	102.2	19.00	8.00	45.00	10.10	1.36	11.89
384	93.2	21.00	6.00	39.00	13.68	-1.42	2.53
385	92.0	31.00	17.00	57.00	28.44	13.37	54.30
386	98.6	18.00	12.00	37.00	5.01	6.80	22.06

ID : MONTHLY WIPES

29 NOV 2000 11:51

USER: 4 COMMENT: C314

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:1.0000 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	RATIO	LUMEX %
B1	130.6	8.00	13.00	30.00	13.81	17.77	0.777	8.67
		Blank Average DPM for		3H :	13.81	COEF. OF VAR:		0.000
		Blank Average DPM for		14C :	17.77	COEF. OF VAR:		0.000
1	83.0	20.00	8.00	41.00	25.60	-7.37	-3.472	1.43