

Radiological Survey Sheet

Job Location PFIZER INC, GROTON, CT 06340 Page 1 of 22

Survey Purpose DECOMMISSIONING LAB 11EW/W123 Date 11-16-09

Performed by F. GAILOR (Print) E. Gailor (Sign)

Instrument (Model/S/N)	Packard Tri-Carb S/N 431521	Packard Tri-Carb S/N 431520	Ludlum 2241-2 163603	Wallac Model 1409 S/N 4061042
Det. (Model/SN)	Internal	Internal	Ludlum 43-68 PR 149613	Internal
Type Rad.	β	β	β	β
Cal. Due:	04/03/2010	04/03/2010	04/07/2010	04/03/2010
Check Instruments Used	✓		✓	

No.	Time	Locations
		See attached LSC printout for Total Activity (cpm/100 cm ²)
1.	1300	BACKGROUND
2.		UPPER DOOR
3.		LOWER " "
4.		FLOOR
5.		LEFT SIDE OF F HOOD INSIDE
6.		HOOD UPPER BACK LEFT
7.		" LOWER " "
8.		" UPPER " MIDDLE
9.		" LOWER " "
10.		" UPPER " RIGHT
11.		" LOWER " RIGHT
12.		" RIGHT SIDE INSIDE
13.		" CUP
14.		" BOTTOM LEFT
15.		" " MIDDLE
16.		" " RIGHT
17.		" SASH
18.	✓	" HIP

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
19	1300	Hood OUTSIDE LEFT	
20		" " RIGHT	
21		UPPER WALL	
22		LOWER "	
23		CAB DOORS & HANDLS	
24		" INSIDE LEFT SIDE	
25		" " BACK	
26		" " RIGHT SIDE	
27		" " BOTTOM	
28		CAB DOORS & HANDLS	
29		" INSIDE LEFT SIDE	
30		" " BACK	
31		" " RIGHT "	
32		" " BOTTOM	
33		R FLOOR	
34		WALL	
35		SINK AREA	
36		BENCH	
37		CAB DOORS & HANDLS	
38		TOP SHELF	
39		2ND "	
40		3RD "	
41		4TH "	
42		CAB DOORS & HANDLS	
43		" INSIDE LEFT	
44		" " RIGHT	
45	↓	" " BOTTOM LEFT	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
46	1300	CAD INSIDE BOTTOM RIGHT	
47		" " BACK	
48		DRAWERS & HANDLS	
49		TOP DRAWER	
50		2ND "	
51		3RD "	
52		4TH "	
53		FLOOR	
54		FLOOR	
55		UPPER WALL	
56		LOWER "	
57		UPPER "	
58		LOWER "	
59		UPPER door	
60		LOWER "	
61		FLOOR	
62		FLOOR	
63		UPPER GLASS	
64		LOWER GLASS	
65		UPPER WALL	
66		LOWER "	
67		UPPER door	
68		LOWER door	
69		TOP SHELF	
70		2ND "	
71		3RD "	
72	✓	TOP "	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
73	1300	2ND SHELF	
74		3RD "	
75		DESK	
76		DESK	
77		TOP DRAWER	
78		BOTTOM "	
79		TOP DRAWER	
80		2ND "	
81		3RD "	
82		TOP SHELF	
83		2ND "	
84		3RD "	
85		TOP SHELF	
86		2ND "	
87		3RD "	
88		CAB TOP DRAWER	
89		" 2ND "	
90		" 2RD "	
91		FLOOR	
92		FLOOR	
93		UPPER GLASS	
94		LOWER "	
95		UPPER door	
96		LOWER "	
97		UPPER GLASS	
98		LOWER "	
99	✓	UPPER "	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
100	1300	LOWER GLASS	
101		TOP SHELF	
102		2ND "	
103		3RD "	
104		TOP "	
105		2ND "	
106		3RD "	
107		DESK	
108		DESK	
109		TOP DRAWER	
110		2ND "	
111		3RD "	
112		TOP "	
113		2ND "	
114		3RD "	
115		TOP SHELF	
116		2ND "	
117		3RD "	
118		TOP "	
119		2ND "	
120		3RD "	
121		CAB TOP DRAWER	
122		" 2ND "	
123		" 3RD "	
124		" 4TH "	
125		" 5TH "	
126	N	FLOOR	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
127	1300	FLOOR	
128		TOP SHELF	
128 129		BOTTOM "	
130		TOP "	
131 132		BOTTOM "	
132		WALL	
133		"	
134		LEDGE	
135		DESK	
136		DESK	
137		TOP DRAWER	
138		2ND "	
139		3RD "	
140		FLOOR	
141		TOP SHELF	
142		2ND "	
143		3RD "	
144		TOP "	
145		2ND "	
146		3RD "	
147		TOP "	
148		2ND "	
149		3RD "	
150		TOP "	
151		2ND "	
152		3RD "	
153	✓	CUP	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
154	1300	CUP	
155		BENCH	
156		"	
157		"	
158		"	
159		TOP DRAWER & HANDLE	
160		2ND " " "	
161		CAB DOOR & "	
162		CAB TOP SHELF	
163		" 2ND "	
164		DRAWER	
165		TOP DRAWER & HANDLE	
166		2ND " "	
167		3RD " "	
168		4TH " "	
169		DRAWER	
170		TOP DRAWER & HANDLE	
171		2ND " "	
172		3RD " "	
173		4TH " "	
174		FLOOR	
175		"	
176		"	
177		"	
178		SIDE OF BENCH	
179		" " "	
180	✓	FLOOR	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
181	1300	BENCH	
182		"	
183		"	
184		"	
185		SHELF	
186		DESK	
187		TOP DRAWER & HNDL	
188		2ND " "	
189		3RD " "	
190		4TH " "	
191		DRAWER & HNDL	
192		TOP DRAWER & HNDL	
193		2ND " "	
194		3RD " "	
195		4TH " "	
196		DRAWER	
197		TOP DRAWER & HNDL	
198		2ND " "	
199		CAB DOOR & "	
200		TOP SHELF	
201		2ND "	
202		TOP DRAWER & HNDL	
203		2ND " "	
204		3RD " "	
205		CAB DOORS & HNDLS	
206		TOP SHELF	
207	✓	2ND SHELF	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
208	1300	3RD SHELF	
209		4TH "	
210		CAB DOOR & HWLS	
211		TOP SHELF	
212		2ND "	
213		3RD "	
214		UPPER WALL & LEDGE	
215		" " "	
216		LOWER "	
217		LOWER "	
218		TOP SHELF	
219		2ND "	
220		3RD "	
221		CAB DOOR & HWLS	
222		TOP SHELF	
223		2ND "	
224		3RD "	
225		4TH "	
226		SHELF	
227		DESK	
228		TOP DRAWER	
229		2ND "	
230		3RD "	
231		TOP "	
232		2ND "	
233		CAB DOOR & HWL	
234	✓	TOP SHELF	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
235	1:00 8:00	CO CAB BOTTOM SHELF	
236		DRAWER	
237		TOP LEFT DRAWER	
238		" RIGHT "	
239		2ND LEFT "	
240		" RIGHT "	
241		1ST LARGE "	
242		2ND " "	
243		TOP LEFT "	
244		2ND " "	
245		3RD " "	
246		TOP RIGHT "	
247		2ND " "	
248		1ST LARGE "	
249		2ND " "	
250		TOP SHELF	
251		2ND "	
252		3RD "	
253		TOP SHELF	
254		2ND "	
255		3RD "	
256		CUP	
257		CUP	
258		BENCH	
259		"	
260		"	
261	✓	"	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
262	0710	BENCH	
263		"	
264		FLOOR	
265		"	
266		"	
267		"	
268		"	
269		"	
270		"	
271		"	
272		SIDE OF CAB	
273		" " "	
274		FLOOR	
275		BENCH	
276		"	
277		"	
278		"	
279		TOP SHELF	
280		2ND "	
281		3RD "	
282		CAB DOORS & HANDLS	
283		1ST SHELF	
284		2ND "	
285		3RD "	
286		4TH "	
287		CAB DOORS & HANDLS	
288		TOP SHELF	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
289	0200	2ND SHELF	
290		3RD "	
291		60 1ST SHELF	
292		DESK	
293		UPPER WALL	
294		LOWER "	
295		UPPER "	
296		LOWER "	
297		TOP LEFT DRAWER	
298		2ND " "	
299		TOP RIGHT "	
300		2ND " "	
301		3RD " "	
302		1ST LARGE "	
303		2ND " "	
304		TOP LEFT "	
305		2ND " "	
306		TOP RIGHT "	
307		2ND " "	
308		1ST LARGE "	
309		2ND " "	
310		DRAWER	
311		TOP DRAWER	
312		2ND "	
313		CAB DOOR HANDLE	
314		TOP SHELF	
315	✓	BOTTOM "	

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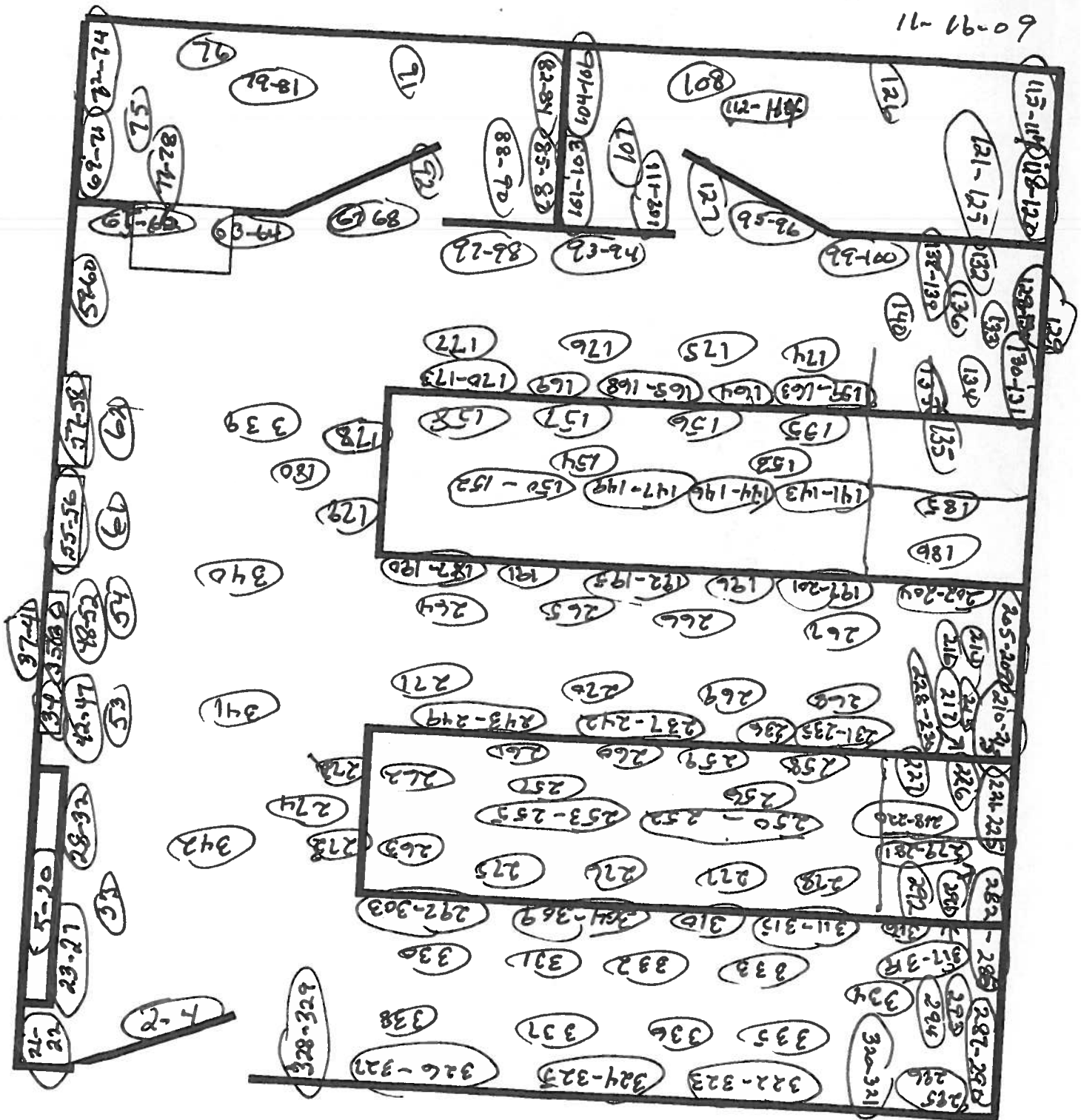
Date 11-17-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
316	0700	DRAWER	
317		TOP DRAWER	
318		2ND "	
319		3RD "	
320		UPPER WALL	
321		" "	
322		UPPER "	
323		LOWER "	
324		UPPER "	
325		LOWER WALL	
326		UPPER "	
327		LOWER "	
328		UPPER "	
329		LOWER "	
330		FLOOR	
331		FLOOR	
332		FLOOR	
333		"	
334		"	
335		"	
336		"	
337		"	
338		"	
339		"	
340		"	
341		"	
342	✓	"	

Swipe Test Map 118W room 123

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- Surveys 100% of lower surfaces using 43-68. NO READINGS IN EXCESS OF NORMAL BACKGROUND NOTED WITH THE EXCEPTION OF 1 spot of the hood counter. This was estimated to a level of 16,408 dpm/100cm² C-14. This section of counter was removed and disposed of as RADIOACTIVE WASTE. (SEE pg. 22A & 22)

○ = wipe location

Assay Definition-

Assay Description:
Equipment Swipes

Assay Type: CPM
Report Name: Report1
Output Data Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes
Raw Results Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\20091116_1725
\20091116_1725.results
RTF File Name: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\Ed's Monthly
Swipes.rtf
Assay File Name: C:\Packard\TriCarb\Assays\Eds Monthly Swipes.lsa

Count Conditions-

Nuclide: Triple
Quench Indicator: tSIE/AEC
External Std Terminator (sec): 0.5 2s%
Pre-Count Delay (min): 0.00
Quench Set: n/a
Count Time (min): 1.00
Count Mode: Normal
Assay Count Cycles: 1 Repeat Sample Count: 1
#Vials/Sample: 1 Calculate % Reference: Off

Background Subtract: On - Manual
Low CPM Threshold: Off
2 Sigma % Terminator: Off

Regions	LL	UL	Bkg Subtract
A	0.0	18.6	0.00
B	18.6	156.0	0.00
C	0.0	2000.0	0.00

Count Corrections-

Static Controller: On Luminescence Correction: On
Colored Samples: n/a Heterogeneity Monitor: n/a
Coincidence Time (nsec): 18 Delay Before Burst (nsec): 75

Half Life-

Half Life Correction: Off

Regions	Half Life	Units	Reference Date	Reference Time
A				
B				
C				

Cycle 1 Results

S#	CPMA	CPMB	CPMC	MESSAGES
1	4	8	15	
2	19	7	32	
3	6	12	26	
4	8	7	23	
5	20	4	26	
6	16	6	27	
7	2	8	13	
8	6	5	14	
9	26	6	40	
10	18	8	33	

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11	5	8	18
12	9	4	22
13	18	8	28
14	10	8	24
15	25	9	35
16	9	5	18
17	1	5	16
18	5	6	12
19	13	10	31
20	6	4	18
21	15	6	28
22	18	3	25
23	7	10	26
24	20	6	32
25	9	5	16
26	8	9	24
27	8	6	15
28	8	9	23
29	6	7	18
30	7	10	22
31	15	7	23
32	13	9	24
33	7	10	23
34	27	10	40
35	4	4	11
36	3	12	20
37	15	8	27
38	7	8	18
39	25	8	37
40	18	11	36
41	4	10	16
42	8	12	24
43	19	9	32
44	15	9	26
45	13	10	30
46	19	10	37
47	9	7	21
48	10	5	28
49	5	7	21
50	4	8	18
51	14	9	31
52	5	5	14
53	7	7	21
54	10	7	20
55	13	9	29
56	17	6	26
57	2	8	12
58	15	9	29
59	14	8	31
60	24	4	30
61	10	6	21
62	15	7	25
63	4	7	15
64	8	11	23
65	18	16	37
66	16	10	31
67	0	10	8
68	3	6	13
69	8	7	20
70	11	4	22
71	7	9	18
72	4	11	17

Protocol# 4 - Eds Monthly Swipes.lsa

User: Ed Gailor

73	9	9	23
74	9	8	21
75	17	8	29
76	5	11	19
77	0	10	9
78	10	6	19
79	6	8	17
80	10	10	22
81	14	8	24
82	4	10	19
83	3	7	13
84	8	2	19
85	13	9	26
86	19	9	39
87	17	9	31
88	9	9	22
89	0	8	8
90	17	4	27
91	9	7	21
92	1	11	18
93	8	8	23
94	9	7	21
95	17	11	35
96	6	7	19
97	15	6	27
98	13	9	30
99	7	5	16
100	7	4	14
101	10	5	18
102	15	5	23
103	10	4	20
104	16	10	27
105	3	9	16
106	8	6	23
107	10	6	18
108	10	5	21
109	8	9	23
110	2	7	12
111	6	4	15
112	0	10	14
113	2	6	13
114	10	2	16
115	9	3	17
116	4	5	13
117	17	9	34
118	9	5	18
119	14	6	25
120	12	3	18
121	9	3	19
122	16	5	30
123	1	5	10
124	8	7	18
125	6	11	22
126	17	9	30
127	7	10	23
128	14	6	29
129	13	6	26
130	16	3	23
131	6	5	11
132	24	8	39
133	10	4	19
134	30	13	48
135	11	8	23

136	17	11	32
137	6	7	20
138	18	4	30
139	16	11	31
140	19	7	31
141	8	9	20
142	12	10	28
143	12	8	24
144	13	5	22
145	0	9	14
146	15	7	26
147	29	5	41
148	20	5	29
149	15	8	27
150	5	6	19
151	15	11	30
152	12	8	26
153	10	10	30
154	3	8	17
155	11	7	24
156	7	16	26
157	12	12	31
158	1	9	14
159	9	8	22
160	12	10	27
161	13	8	27
162	3	6	12
163	11	6	20
164	0	13	12
165	3	5	11
166	9	7	21
167	2	6	10
168	2	8	14
169	17	10	29
170	6	5	13
171	6	10	20
172	12	5	22
173	23	11	40
174	18	8	29
175	2	4	12
176	16	6	24
177	14	6	27
178	9	10	24
179	15	6	26
180	13	4	24
181	10	4	21
182	8	6	14
183	10	9	25
184	15	7	31
185	19	6	35
186	8	6	19
187	9	8	20
188	7	7	20
189	4	1	12
190	12	9	31
191	20	7	31
192	15	8	29
193	28	8	41
194	7	7	15
195	11	9	26
196	10	3	15
197	24	5	33
198	15	5	27

199	5	5	12
200	8	6	19
201	7	7	18
202	20	8	34
203	8	10	21
204	10	9	24
205	12	9	25
206	18	4	25
207	25	10	40
208	15	15	34
209	19	2	25
210	12	5	25
211	16	3	30
212	9	6	21
213	21	9	40
214	24	7	42
215	4	6	12
216	16	6	24
217	103	13	126
218	6	4	18
219	22	7	36
220	12	10	23

Assay Definition-

Assay Description:
Equipment Swipes

Assay Type: CPM
Report Name: Report1
Output Data Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes
Raw Results Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\20091117_0827
\20091117_0827.results
RTF File Name: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\Ed's Monthly Swipes.rtf
Assay File Name: C:\Packard\TriCarb\Assays\Eds Monthly Swipes.lsa

Count Conditions-

Nuclide: Triple
Quench Indicator: tSIE/AEC
External Std Terminator (sec): 0.5 2s%
Pre-Count Delay (min): 0.00
Quench Set: n/a
Count Time (min): 1.00
Count Mode: Normal
Assay Count Cycles: 1 Repeat Sample Count: 1
#Vials/Sample: 1 Calculate % Reference: Off

Background Subtract: On - Manual
Low CPM Threshold: Off
2 Sigma % Terminator: Off

Regions	LL	UL	Bkg Subtract
A	0.0	18.6	0.00
B	18.6	156.0	0.00
C	0.0	2000.0	0.00

Count Corrections-

Static Controller: On Luminescence Correction: On
Colored Samples: n/a Heterogeneity Monitor: n/a
Coincidence Time (nsec): 18 Delay Before Burst (nsec): 75

Half Life-

Half Life Correction: Off

Regions	Half Life	Units	Reference Date	Reference Time
A				
B				
C				

Cycle 1 Results

S#	CPMA	CPMB	CPMC	MESSAGES
1	221	10	6	22
2	5	9	19	
3	13	10	28	
4	15	6	26	
5	26	5	38	
6	16	5	26	
7	6	6	18	
8	3	7	20	
9	18	4	29	
10	230	10	7	26

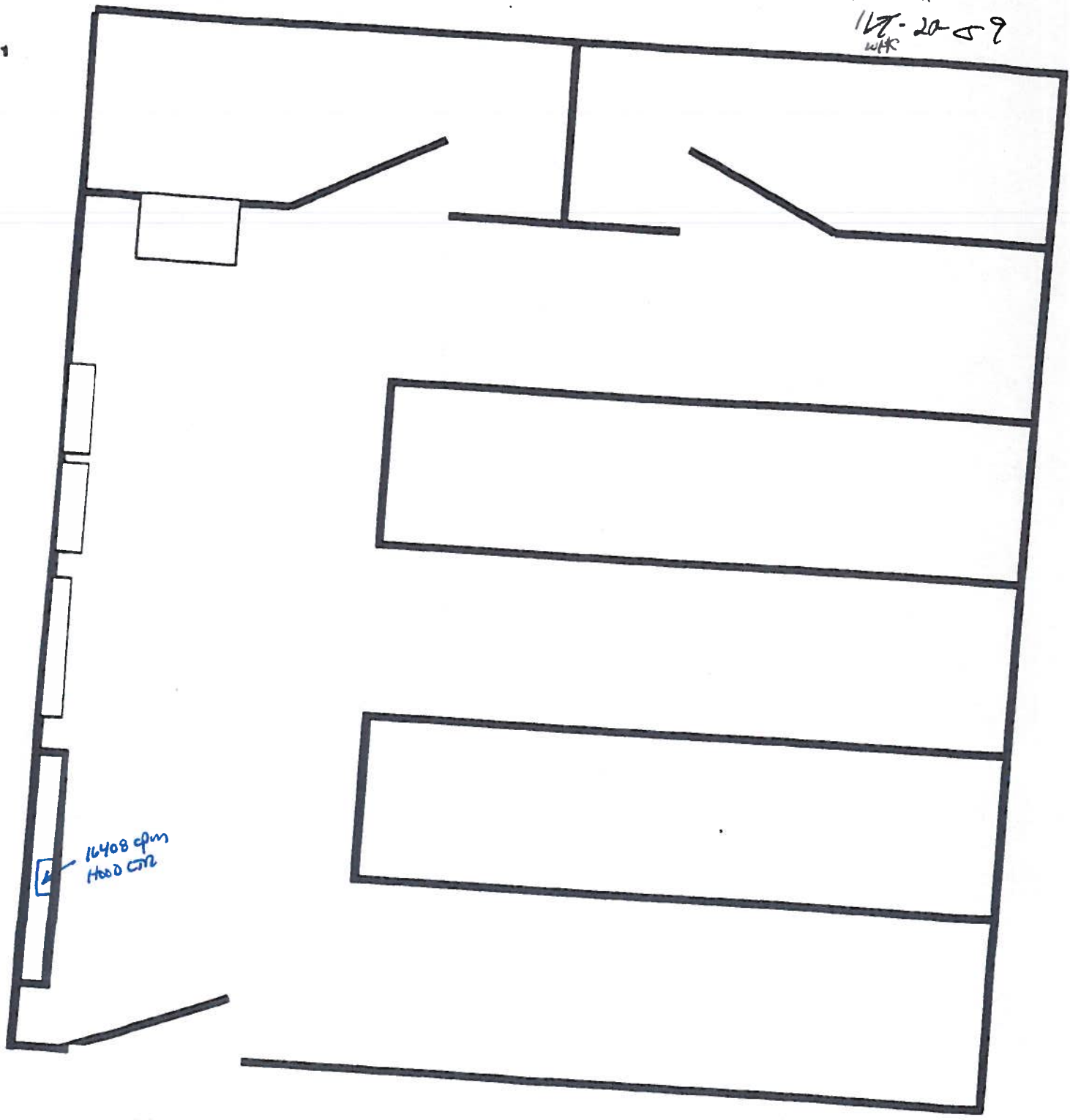
11	8	8	23
12	7	3	16
13	10	11	27
14	4	6	13
15	22	7	35
16	10	8	20
17	3	6	18
18	1	9	16
19	5	5	18
20	240 23	8	36
21	8	3	16
22	25	8	38
23	12	8	25
24	8	8	20
25	16	9	29
26	16	6	28
27	13	10	29
28	8	8	20
29	6	12	32
30	250 12	6	23
31	25	7	36
32	6	9	21
33	18	10	34
34	21	7	35
35	13	6	23
36	7	10	21
37	8	8	23
38	4	7	14
39	19	9	31
40	260 9	8	23
41	9	8	18
42	0	15	14
43	19	9	34
44	0	7	8
45	19	5	31
46	14	6	27
47	23	12	35
48	17	7	30
49	15	10	33
50	270 0	9	13
51	15	5	28
52	24	6	31
53	18	7	29
54	0	8	16
55	11	7	19
56	6	8	15
57	12	7	24
58	1	5	10
59	23	11	37
60	280 4	7	17
61	8	6	18
62	7	5	19
63	17	7	28
64	3	2	15
65	17	9	29
66	2	9	18
67	0	8	9
68	11	6	20
69	13	8	24
70	290 2	7	16
71	18	9	35
72	17	4	26

73	12	6	21
74	15	7	26
75	15	6	24
76	14	4	23
77	11	8	25
78	8	10	23
79	9	3	17
80	360 9	8	24
81	0	4	0
82	18	4	27
83	1	9	14
84	5	9	19
85	1	10	18
86	16	5	29
87	4	7	17
88	14	10	30
89	11	8	23
90	310 8	7	24
91	7	5	18
92	17	8	31
93	9	4	23
94	11	10	23
95	6	7	17
96	2	13	19
97	13	5	25
98	4	7	14
99	10	5	19
100	320 10	7	21
101	2	4	16
102	16	5	25
103	5	7	16
104	15	4	25
105	4	7	15
106	11	8	23
107	20	5	33
108	5	9	20
109	0	12	16
110	330 8	9	22
111	10	10	25
112	18	8	30
113	13	6	26
114	20	8	37
115	7	7	20
116	8	11	26
117	14	11	30
118	21	3	26
119	20	8	32
120	340 14	5	26
121	11	10	29
122	342 19	9	33

Note: All swipe results are Satisfactory, including # 217.
~~Disputed or retesting~~ w/ Calver

Swipe Test Map 118W room 123

PG 18^{LWP} 06 22
22A
11-20-59
LWP



16408 cfm
Hood CTR