

# Radiological Survey Sheet

Job Location PFIZER INC., GROTON, CT 06340 Page 1 of 19

Survey Purpose DECOMMISSIONING LAB 118B/B302 Date 12-10-09

Performed by E. GALLER (Print) E. Gallor (Sign)

<b>Instrument (Model/S/N)</b>	Packard Tri-Carb S/N 431521	Packard Tri-Carb S/N 431520	Ludlum 2241-2 163603	Wallac Model 1409 S/N 4061042
<b>Det. (Model/SN)</b>	Internal	Internal	Ludlum 43-68 PR 149613	Internal
<b>Type Rad.</b>	β	β	β	β
<b>Cal. Due:</b>	04/03/2010	04/03/2010	04/07/2010 <small>21 09</small>	04/03/2010
<b>Check Instruments Used</b>	✓		✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
1.	1000	BACKGROUND	
2.		door	
3.		FLOOR	
4.		UPPER WALL	
5.		LOWER WALL	
6.		WALL	
7.		CAB. DOORS & HANDLS	
8.		TOP SHELF	
9.		2ND "	
10.	;	3RD "	
11.		4TH "	
12.		CAB. DOORS & HANDLS	
13.		TOP SHELF	
14.		2ND "	
15.		BOTTOM "	
16.		WALL BEHIND SINKS	
17.		BENCH	
18.		BENCH	

# Radiological Survey Continuation Sheet

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Date 12-10-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
19	1000	BENCH	
20		CVP	
21		SINK AREA	
22		BENCH	
23		DRAWER	
24		TOP DRAWER	
25		2ND "	
26		3RD "	
27		4TH "	
28		TOP "	
29		2ND "	
30		3RD "	
31		4TH "	
32		CAB DOORS & HANDLS	
33		INSIDE CAB LEFT SIDE	
34		" " " BACK	
35		" " " BOTTOM	
36		" " " RIGHT BACK	
37		" " " SIDE	
38		" " " BOTTOM	
39		UPPER WALL	
40		LOWER "	
41		UPPER "	
42		LOWER "	
43		UPPER "	
44		LOWER "	
45	N	UPPER "	

# Radiological Survey Continuation Sheet

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Date <sup>ED</sup> ~~12~~ 12-10-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
46	1000	LOWER WALL	
47		UPPER "	
48		LOWER "	
49		WALL	
50		"	
51		"	
52		UPPER WALL	
53		LOWER "	
54		FLOOR	
55		"	
56		"	
57		"	
58		"	
59		"	
60		"	
61		"	
62		LEFT SHELVES	
63		RIGHT "	
64		DESK	
65		DRAWERS	
66		DESK	
67		DESK	
68		DRAWERS	
69		LEFT SHELVES	
70		RIGHT "	
71		DESK	
72	✓	DRAWERS	

# Radiological Survey Continuation Sheet

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Date 12-10-07

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
73	1000	FLOOR	
74		UPPER GLASS	
75		LOWER "	
76		UPPER door	
77		LOWER door	
78		UPPER GLASS	
79		LOWER "	
80		FLOOR	
81		CAB doors & HANDLS	
82		TOP SHELF	
83		2ND "	
84		3RD "	
85		SHELF	
86		TOP "	
87		2ND "	
88		DESK	
89		DRAWER	
90		PULL OUT SHELF	
91		DRAWER	
92		"	
93		"	
94		TOP "	
95		2ND "	
96		3RD "	
97		4TH "	
98		DRAWER	
99	↓	TOP "	

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Date 12-10-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
100	1000	2ND DRAWER	
101		3RD "	
102		4TH "	
103		DRAWER	
104		TOP "	
105		CAB DOORS & HANDLS	
106		INSIDE CAB TOP SECTION	
107		" " BOTTOM "	
108		FLOOR	
109		"	
110		"	
111		"	
112		TOP SHELF	
113		BOTTOM "	
114		TOP "	
115		BOTTOM "	
116		BENCH	
117		"	
118		"	
119		"	
120		"	
121		"	
122		"	
123		"	
124		"	
125		"	
126	✓	FLOOR	

# Radiological Survey Continuation Sheet

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Date 12-10-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
127	1000	TOP SHELF	
128		2ND "	
129		DESK	
130		SHELF	
131		TOP "	
132		2ND "	
133		3RD "	
134		TOP "	
135		2ND "	
136		3RD "	
137		TOP "	
138		2ND "	
139		3RD "	
140		SHELF	
141		UPPER WALL	
142		LOWER "	
143		TOP SHELF	
144		BOTTOM "	
145		DESK	
146		TOP DRAWER	
147	2ND "		
148	3RD "		
149	DRAWER		
150	TOP DRAWER		
151	2ND "		
152	3RD "		
153	✓	4TH "	

# Radiological Survey Continuation Sheet

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Date 12-10-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
154	1000	DRAWER	
155		TOP DRAWER	
156		2ND "	
157		3RD "	
158		4TH "	
159		DRAWER	
160		TOP DRAWER	
161		2ND "	
162		3RD "	
163		4TH "	
164		DRAWER	
165		"	
166		"	
167		DRAWER	
168		CAB DOORS & HANDLS	
169		TOP SHELF & SIDES	
170		BOTTOM " " "	
171		DRAWER	
172		TOP DRAWER	
173		2ND "	
174		3RD "	
175		4TH "	
176		DRAWER	
177		TOP DRAWER	
178		2ND "	
179		3RD "	
180	✓	4TH "	

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Date 12-10-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
181	1000	FLOOR	
182			
183			
184			
185			
186			
187			
188			
189		TOP SHELF	
190		2ND	
191		3RD	
192		TOP	
193		2ND	
194		3RD	
195		BENCH	
196		CUP	
197		BENCH	
198		BENCH	
199		CUP	
200		BENCH	
201			
202			
203			
204			
205			
206			
207	v	TOP DRAWER	



# Radiological Survey Continuation Sheet

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Date 12-10-08

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
208	1000	2ND DRAWER	
209		3RD "	
210		4TH "	
211		TOP "	
212		2ND "	
213		3RD "	
214		4TH "	
215		6 TOP DRAWER	
216		TOP 2ND "	
217		2RD "	
218		EO 3TH 3RD	
219		4TH "	
220		TOP "	
221		2ND "	
222		3RD "	
223		4TH "	
224		TOP SHELF	
225		BOTTOM "	
226		MONITOR	
227		DESK	
228		TOP DRAWER	
229		2ND "	
230		3RD "	
231		TOP SHELF	
232		2ND "	
233		3RD "	
234	↓	TOP "	

# Radiological Survey Continuation Sheet

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Date 12-10-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
235	1000	2ND SHELF	
236		3RD "	
237		4TH "	
238		UPPER WALL	
239		LOWER "	
240		UPPER "	
241		LOWER "	
242		HOOD INSIDE LEFT SIDE	
243		" " UPPER LEFT BACK	
244		" " " RIGHT "	
245		" " LOWER LEFT "	
246		" " " RIGHT "	
247		" " RIGHT SIDE	
248		" " BOTTOM LEFT	
249		" " " RIGHT	
250		" " CUP	
251		" " SASH	
252		" " OUTSIDE LEFT SIDE	
253		" " SASH	
254		" " LIP	
255		" " RIGHT SIDE	
256		UPPER SIDE OF HOOD	
257		LOWER " " "	
258		UPPER WALL	
259		LOWER "	
260		UPPER "	
261	↓	LOWER "	

# Radiological Survey Continuation Sheet

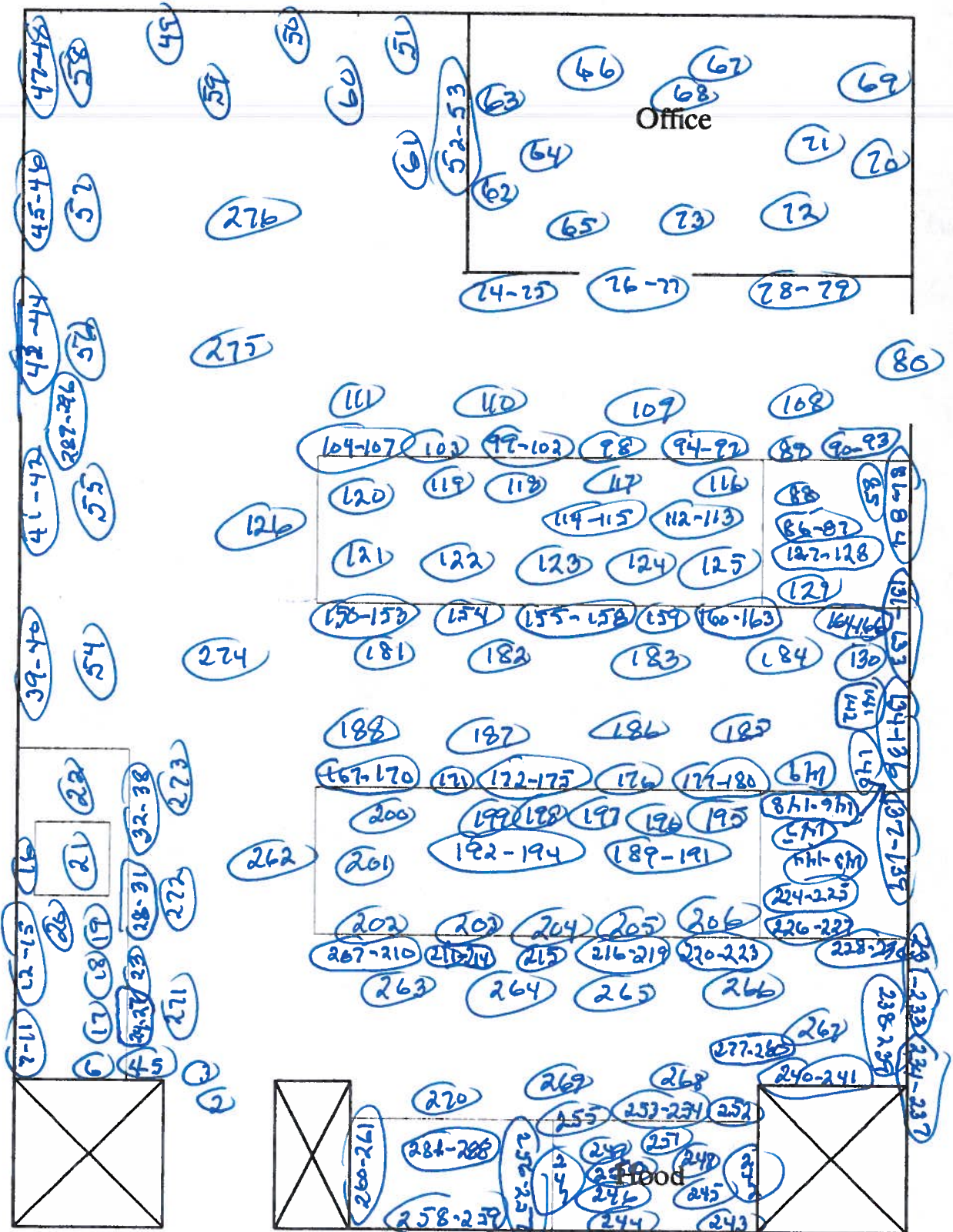
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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
262	1000	FLOOR	
263		FLOOR	
264		"	
265		"	
266		"	
267		"	
268		"	
269		"	
270		"	
271		"	
272		"	
273		"	
274		"	
275		"	
276		"	
277		TOP SHELF	
278		2ND "	
279		3RD "	
280		4TH "	
281		FREEZER door & HWDL	
282		" INSIDE LEFT SIDE	
283		" " BACK	
284		" " RIGHT SIDE	
285		" " BOTTOM	
286		" " SHELVES	
287		" OUTSIDE LEFT SIDE	
288		" " RIGHT SIDE	



O = wipe location



Surveyed 100% of Lower Surfaces using 43-68. No Airports in excess of normal background levels.

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\20091211\_1037  
\20091211\_1037.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	14	8	26	
2	10	5	20	
3	0	5	11	
4	16	8	32	
5	8	8	22	
6	18	8	31	
7	9	8	21	
8	0	4	7	
9	13	7	29	
10	20	5	31	

Protocol# 4 - Eds Monthly Swipes.lsa

User: Ed Gailor

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

73	20	0	28
74	10	9	23
75	12	4	20
76	19	8	40
77	6	6	15
78	5	7	16
79	15	4	25
80	1	8	14
81	10	7	21
82	8	10	21
83	21	8	36
84	23	6	33
85	25	11	42
86	10	7	20
87	8	4	15
88	0	7	11
89	17	8	27
90	6	9	17
91	3	13	20
92	20	8	35
93	12	5	22
94	31	7	46
95	15	5	23
96	18	6	26
97	12	6	22
98	1	12	18
99	24	7	35
100	11	5	20
101	1	7	13
102	10	7	24
103	11	1	17
104	12	5	19
105	2	8	16
106	14	10	31
107	1	13	17
108	9	1	13
109	12	5	25
110	13	5	25
111	0	5	12
112	12	5	17
113	3	12	20
114	7	9	24
115	10	4	22
116	18	4	26
117	15	4	22
118	8	8	18
119	6	7	17
120	5	3	15
121	13	10	32
122	10	10	27
123	11	5	25
124	12	8	27
125	9	8	21
126	10	7	20
127	21	6	30
128	14	3	21
129	8	8	23
130	18	7	31
131	12	12	27
132	7	7	22
133	3	6	13
134	13	3	20
135	6	6	14



Protocol# 4 - Eds Monthly Swipes.lsa

User: Ed Gailor

136	0	2	6
137	12	8	23
138	12	10	29
139	24	7	33
140	5	8	19
141	9	3	15
142	9	4	17
143	9	3	17
144	1	6	11
145	13	9	30
146	15	9	29
147	7	6	17
148	15	12	32
149	5	7	14
150	20	8	37
151	13	6	25
152	4	8	15
153	7	7	20
154	28	8	40
155	10	5	20
156	12	7	21
157	11	10	24
158	12	6	21
159	16	6	25
160	20	5	30
161	21	10	39
162	9	10	23
163	17	7	30
164	5	3	17
165	10	9	28
166	8	5	16
167	12	5	25
168	11	8	21
169	14	7	28
170	23	12	40
171	6	8	23
172	21	7	32
173	31	7	41
174	11	4	20
175	16	5	26
176	17	7	29
177	10	8	30
178	12	2	20
179	7	2	12
180	16	10	30
181	8	8	22
182	10	14	28
183	7	5	17
184	8	14	26
185	9	5	25
186	9	7	22
187	10	3	19
188	4	6	16
189	15	5	23
190	23	8	35
191	8	7	16
192	1	10	14
193	7	7	20
194	7	7	19
195	3	6	13
196	14	6	31
197	14	6	21
198	5	6	15

Protocol# 4 - Eds Monthly Swipes.lsa

User: Ed Gailor

199	8	9	20
200	11	8	27
201	14	8	27
202	22	3	30
203	7	9	20
204	11	7	21
205	11	7	20
206	6	7	15
207	4	3	10
208	3	4	11
209	4	4	15
210	13	11	32
211	4	14	20
212	14	2	20
213	16	4	27
214	11	7	26
215	20	6	29
216	6	7	22
217	16	12	32
218	6	4	17
219	18	8	31
220	1	8	17
221	8	11	24
222	20	14	38
223	14	3	23
224	7	11	23
225	12	9	27
226	5	5	20
227	7	8	21
228	10	11	30
229	0	6	6
230	10	9	27
231	5	7	16
232	15	3	24
233	5	8	20
234	5	5	15
235	8	7	23
236	11	6	22
237	20	9	39
238	13	10	29
239	12	6	25
240	7	7	19
241	17	8	33
242	13	7	29
243	11	7	23
244	8	13	28
245	11	3	18
246	13	7	25
247	14	7	25
248	2	6	12
249	0	7	13
250	8	4	14
251	16	8	26
252	6	6	13
253	12	7	27
254	15	6	27
255	2	11	22
256	11	5	18
257	8	9	25
258	6	8	16
259	12	12	34
260	6	8	20
261	21	7	36

262	12	9	30
263	2	6	13
264	21	9	35
265	19	5	33
266	16	5	27
267	14	8	26
268	10	5	21
269	2	3	8
270	12	18	35
271	7	9	22
272	16	5	30
273	13	7	28
274	24	5	32
275	18	9	35
276	5	6	20
277	8	9	23
278	12	11	30
279	10	3	19
280	15	9	30
281	10	4	20
282	19	8	30
283	5	5	10
284	4	7	22
285	6	9	20
286	8	12	23
287	10	9	26
288	6	10	24
289	14	5	22
290	8	10	26
291	5	9	17
292	14	3	26
293	13	6	26
294	2	9	15
295	16	4	28
296	6	7	20