

# Radiological Survey Sheet

Job Location Pfizer, Inc. Groton, Ct. 06340 <sup>B</sup> 1184/B312 Page 1 of 19

Survey Purpose ~~Radiologic Survey of Equipment~~ <sup>EA</sup> LAB DECOMM Date 12-18-12

Performed by L. GAILOR (Print) E. Gailor (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>	03/05/2013	03/05/2013	04/17/2013	09/15/2012
<b>Check Instruments Used</b>	✓		✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
1.	11:05	BACKGROUND	
2.		door	
3.		FLOOR	
4.		UPPER WALL	
5.		LOWER "	
6.		UPPER "	
7.		LOWER "	
8.		UPPER "	
9.		LOWER "	
10.		SIDE OF HOOD & CAB	
11.		TOP SHELF	
12.		2ND "	
13.		3RD "	
14.		TOP SHELF	
15.		2ND "	
16.		3RD "	
17.		HOOD RIGHT BACK	
18.	11	" " SIDE	

# Radiological Survey Continuation Sheet

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
19	1100	HOOD	LEFT BACK
20		"	" SIDE
21		"	RIGHT VENT
22		"	LEFT "
23		"	LEFT BOTTOM
24		"	RIGHT " & CUP
25		"	SASH
26		"	LIP
27		"	OUTSIDE LEFT SIDE
28		"	" " RIGHT "
29			UPPER WALL
30			LOWER "
31			SHelf
32			CAB door
33		"	INSIDE
34		"	doors
35		"	INSIDE
36		"	doors
37		"	TOP SHelf
38		"	2ND "
39		"	3RD "
40		"	4TH "
41		"	doors
42		"	TOP SHelf
43		"	2ND "
44		"	3RD "
45		"	4TH "

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Date 12-18-12

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
46	1100	UPPER WALL E-LEDGE	
47		LOWER "	
48		SHelf	
49		TOP SHelf	
50		2nd "	
51		3rd "	
52		desk & dwr	
53		SHelf	
54		TOP dwr	
55		2nd "	
56		3rd "	
57		TOP SHelf	
58		2nd "	
59		3rd "	
60		4TH "	
61		TOP "	
62		2nd "	
63		3rd "	
64		BENCH & CUP	
65		"	
66		" & CUP	
67		"	
68		TOP dwr	
69		2nd "	
70		3rd "	
71		4TH "	
72	↓	TOP dwr	

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Date 12-18-12

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
73	1100	2ND dWR	
74		3RD "	
75		4TH "	
76		dWR	
77		TOP dWR	
78		2ND "	
79		3RD "	
80		4TH "	
81		FLOOR TOP dWR	
82		" 2ND "	
83		" 3RD "	
84		" 4TH "	
85		FLOOR	
86		"	
87		FLOOR	
88		"	
89		"	
90		"	
91		"	
92		"	
93		UPPER WALL	
94		LOWER "	
95		CAB DOORS	
96		" TOP SHELF	
97		" 2ND "	
98		" 3RD "	
99		" 4TH "	

# Radiological Survey Continuation Sheet

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Date 12-18-12

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
<del>100</del> 100	1100	SINK AREA	
101		UPPER WALL	
102		" "	
103		" "	
104		TOP SHELF	
105		2ND "	
106		3RD "	
107		BENCH	
108		"	
109		CAB DOORS	
110		" INSIDE	
111		" DOORS	
112		" INSIDE	
113		UPPER WALL	
114		LOWER "	
115		UPPER "	
116		LOWER "	
117		FLOOR UPPER WALL	
118		" LOWER "	
119		FLOOR	
120		"	
121		"	
122		"	
123		SIDE OF BENCH	
124		FLOOR	
125		BENCH	
126		"	

# Radiological Survey Continuation Sheet

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Date 12-18-12

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
127	1100	BENCH	
128		"	
129		"	
130		DESK & DRAW	
131		TOP DRAW	
132		CAB DOORS	
133		" TOP SHELF	
134		" 2ND "	
135		DRAW	
136		TOP DRAW	
137		2ND "	
138		3RD "	
139		4TH "	
140		DRAW	
141		TOP DRAW	
142		2ND "	
143		3RD "	
144		4TH "	
145		TOP SHELF	
146		2ND "	
147		3RD "	
148		CAB DOORS	
149		" TOP SHELF	
150		" 2ND "	
151		" 3RD "	
152		" 4TH "	
153	✓	SHELF	

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Date 12-18-12

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
154	1100	TOP dwr	
155		2nd "	
156		3Rd "	
157		CAD doors	
158		" TOP SHELF	
159		" 2nd "	
160		" 3rd "	
161		" 4TH "	
162		CAD doors	
163		" TOP SHELF	
164		" 2nd "	
165		" 3rd "	
166		" 4TH "	
167		WALL & SHELF	
168		" "	
169		SHELF	
170		LOWER WALL	
171		SHELF	
172		TOP SHELF	
173		2nd "	
174		3rd "	
175		desk	
176		dwr	
177		TOP SHELF	
178		2nd "	
179		3rd "	
180		4TH "	

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Date 12-18-12

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
181	1105	SHELF	
182		BENCH & CUP	
183		"	
184		" & CUP	
185		BENCH	
186		"	
187		TOP DWOR	
188		2ND "	
189		3RD "	
190		4TH "	
191		dwor	
192		TOP dwor	
193		2ND "	
194		3RD "	
195		4TH "	
196		dwor	
197		TOP dwor	
198		2ND "	
199		3RD "	
200		4TH "	
201		FLOOR	
202		"	
203		"	
204		"	
205		"	
206		"	
207		"	



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Date 12-18-12

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
208	1100	FLOOR	
209		SIDE OF BENCHES	
210		FLOOR	
211		BENCH	
212		"	
213		"	
214		"	
215		TOP dwr	
216		CAB doors	
217		" TOP SHELF	
218		" BOTTOM "	
219		dwr	
220		TOP dwr	
221		2nd "	
222		3rd "	
223		4th "	
224		dwr	
225		TOP "	
226		2nd "	
227		3rd "	
228		4th "	
229		SHELF	
230		desk & dwr	
231		CAB doors	
232		" TOP SHELF	
233		" 2nd "	
234	✓	" 3rd "	

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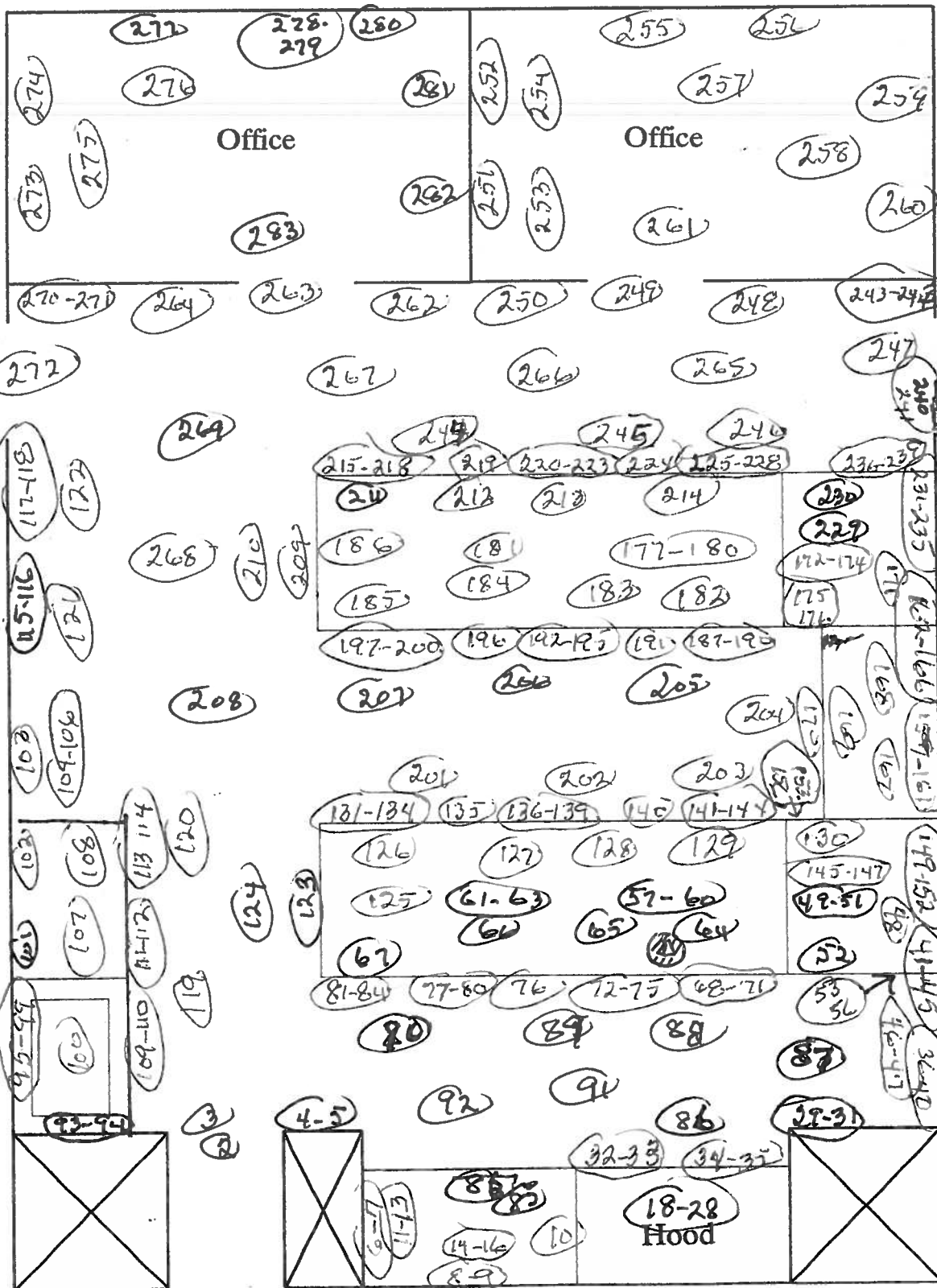
Date 12-18-12

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
235	1100	CAB 4TH SHELF	
236		SHELF	
237		TOP dWR	
238		2nd "	
239		3rd "	
240		UPPER wall	
241		LOWER "	
242		UPPER "	
<del>243</del> 243		LOWER "	
244		FLOOR	
245		"	
246		"	
247		"	
248		WINDOW	
249		DOOR	
250		WINDOW	
251		SHELVES	
252		"	
253		dWRS	
254		"	
255		LEDGE & wall	
256		" "	
257		desk & dWRS	
258		" " "	
259		SHELVES	
260		"	
261	✓	FLOOR	



Bld. 118B Room B312

Date: 12-18-12



O-wipe  
LOCATION

1/100cm<sup>2</sup> OF CENTER CONTAMINATED TO A LEVEL OF 54,000 dpm C-14. DECONTAMINATED TO NORMAL BACKGROUND LEVELS. Sampled 100% OF LOWER SURFACES w/ w 43-68. ALL REMAINING WERE AT NORMAL. AEROSOLIZED LEVELS WITH ONE EXCEPTION NOTED ABOVE.

Protocol# 4 - Eds Monthly Swipes.lsa

User: Ed Gailor

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\20121219\_0548  
\20121219\_0548.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): 5 sec  
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	5	21	
2	18	8	33	
3	15	7	30	
4	13	10	29	
5	20	12	37	
6	9	5	21	
7	8	5	17	
8	10	10	22	
9	10	8	20	
10	17	2	19	

11	18	7	28
12	6	6	17
13	12	8	24
14	2	7	12
15	13	8	27
16	9	5	16
17	12	5	21
18	2	5	14
19	11	4	18
20	14	5	23
21	6	3	12
22	4	6	14
23	13	6	23
24	5	7	17
25	10	7	22
26	11	4	19
27	14	6	22
28	6	4	17
29	21	6	32
30	11	10	25
31	15	12	31
32	6	7	15
33	5	6	13
34	9	5	20
35	12	3	23
36	3	9	16
37	16	8	32
38	13	6	22
39	6	11	24
40	6	10	20
41	5	7	17
42	17	4	27
43	12	6	27
44	13	3	23
45	12	5	21
46	11	6	17
47	10	12	27
48	7	4	19
49	19	4	25
50	9	4	21
51	17	5	27
52	13	4	21
53	6	7	16
54	9	3	13

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\20121219\_1036  
\20121219\_1036.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): 5 sec

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	5	7	1	13
2	4	5	17	
3	3	8	14	
4	11	2	17	
5	6	5	12	
6	16	7	26	
7	7	9	25	
8	16	7	29	
9	11	3	17	
10	5	8	17	

Protocol# 4 - Eds Monthly Swipes.lsa

User: Ed Gaiter

11	12	5	17
12	11	8	23
13	9	8	25
14	4	6	13
15	11	3	19
16	5	8	18
17	7	5	19
18	11	8	24
19	11	7	22
20	16	12	30
21	6	7	21
22	4	2	12
23	12	9	26
24	11	7	21
25	8	4	16
26	5	5	18
27	12	8	27
28	5	9	17
29	20	15	39
30	14	6	22
31	7	7	19
32	7	7	20
33	22	10	33
34	6	5	17
35	8	5	17
36	15	6	26
37	2	3	10
38	12	11	30
39	12	5	21
40	8	7	21
41	13	6	28
42	14	5	26
43	12	9	24
44	17	7	29
45	5	9	16
46	6	6	15
47	17	5	29
48	17	6	27
49	8	8	22
50	10	8	22
51	11	9	23
52	8	8	20
53	9	5	18
54	20	10	32
55	10	2	16
56	11	6	21
57	14	11	31
58	9	11	30
59	7	8	21
60	12	7	23
61	13	8	24
62	8	8	21
63	12	12	30
64	7	10	22
65	12	10	24
66	5	3	16
67	14	11	31
68	8	9	24
69	14	6	24
70	8	8	19
71	23	7	37
72	5	11	21
73	12	7	24



74	18	9	30
75	15	12	30
76	9	7	22
77	10	4	20
78	8	6	19
79	8	6	18
80	2	4	9
81	135	7	20
82	17	8	33
83	12	10	24
84	10	7	21
85	7	13	25
86	12	10	27
87	16	2	24
88	19	5	25
89	6	2	12
90	10	6	20
91	145	6	33
92	16	4	27
93	15	4	26
94	12	9	26
95	14	6	22
96	13	6	23
97	10	8	23
98	5	3	13
99	7	8	18
100	9	8	18
101	155	8	30
102	6	7	21
103	6	14	27
104	13	8	22
105	15	9	26
106	10	4	19
107	4	9	19
108	11	8	23
109	9	7	24
110	1	5	8
111	165	6	29
112	8	10	19
113	5	8	16
114	20	9	34
115	11	8	20
116	6	6	16
117	13	4	22
118	8	7	19
119	15	4	23
120	10	3	22
121	175	7	14
122	13	4	21
123	7	3	12
124	5	8	16
125	3	12	25
126	20	6	33
127	10	3	21
128	9	5	22
129	6	9	21
130	6	6	13
131	185	5	14
132	8	7	20
133	15	3	25
134	16	6	28
135	16	9	27
136	8	10	20

Protocol# 4 - Eds Monthly Swipes.lsa

User: Ed Gaffor

137	15	4	24
138	8	4	19
139	8	10	24
140	15	6	27
141 195	7	7	15
142	16	7	29
143	8	6	21
144	12	4	21
145	5	1	9
146	5	6	17
147	14	8	26
148	13	11	27
149	9	6	24
150	16	6	25
151 205	10	5	19
152	5	4	13
153	6	5	14
154	7	9	23
155	14	5	23
156	8	7	22
157	14	10	27
158	3	3	9
159	19	7	26
160	13	9	26
161 215	8	8	20
162	14	7	28
163	8	7	19
164	11	7	20
165	12	6	21
166	16	4	23
167	10	4	20
168	17	4	26
169	8	8	20
170	10	8	24
171 225	12	7	23
172	7	3	13
173	3	13	21
174	10	10	26
175	11	9	28
176	6	3	14
177	7	7	17
178	17	8	29
179	16	5	30
180	3	7	14
181 235	4	6	17
182	14	5	22
183	2	6	11
184	16	13	32
185	8	13	24
186	10	10	23
187	6	8	18
188	8	8	19
189	13	8	24
190	11	3	19
191 245	10	9	28
192	6	10	25
193	21	8	35
194	4	7	16
195	7	4	14
196	8	6	19
197	10	3	19
198	10	9	29
199	9	9	20

200	13	5	20
201 <i>275</i>	14	1	20
202	8	10	22
203	13	11	24
204	12	9	24
205	12	10	25
206	15	10	27
207	7	9	19
208	11	10	27
209	9	7	24
210	11	4	21
211 <i>265</i>	15	9	33
212	7	11	22
213	9	9	26
214	14	9	26
215	8	0	14
216	11	6	24
217	17	7	29
218	3	6	11
219	9	11	24
220	12	10	26
221 <i>275</i>	11	4	20
222	12	7	21
223	15	4	25
224	18	3	25
225	7	9	19
226	15	7	27
227	18	4	27
228	14	8	27
229 <i>283</i>	12	6	21