

Radiological Survey Sheet

Job Location PFIZER INC, GROTON, CT. 06340 118E/115 Page 1 of 20

Survey Purpose Radiological Survey + Decon of a RAD LAB Date 12/7/06

Performed by William H. Calver William H. Calver
 (Print) (Sign)

Instrument (Model/S/N)	Packard Tri-Carb S/N 431521	Packard Tri-Carb S/N 431520	Ludlum 2241-2 163603	
Det. (Model/SN)	Internal	Internal	Ludlum 43-68 PR 149613	
Type Rad.	β	β	β	
Cal. Due:	09/17/2007	09/17/2007	04/14/07	
Check Instruments Used		✓	✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
1.		BACKGROUND	
2.	0700	Outside Door Handle	
3.		Inside Door Handle	
4.		Inside Door	UPPER
5.			MIDDLE
6.			LOWER
7.		Light Switch	
8.		UPPER Shelf	Left
9.			Middle
10.			Right
11.		Wall above Shelf	↓
12.		Below Shelf	UPPER
13.			LOWER
14.		Bench Top from Left	FRONT
15.			REAR
16.			2ND FRONT
17.			REAR
18.	✓		3RD FRONT

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)	
19	0720	Bench Top	3RD	REAR
20			4TH	FRONT
21				REAR
22		Below Bench Top from left 1ST Row TOP DRAWER	OUTER	
23			INSIDE	FRONT
24				REAR
25			CABINET OUTER	Upper
26				Lower
27			INSIDE FLOOR	Left
28				Right
29		2nd Row Top Drawer	OUTER	↓
30			INSIDE	FRONT
31				REAR
32		Cabinet OUTER DOOR		UPPER
33				LOWER
34		FLOOR		FRONT
35				REAR
36		3RD Row Top Drawer	OUTER	
37			INSIDE	FRONT
38				REAR
39		2ND Drawer	OUTER	
40			INSIDE	FRONT
41				REAR
42		3RD Drawer	OUTER	
43			INSIDE	FRONT
44				REAR
45	↓	4TH Drawer	OUTER	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
46	0740	4th Drawer	Inside FRONT
47			REAR
48		Left Wall from Front	UPPER Shelf Left
49			2ND
50			3RD
51			4TH
52			5TH
53		2ND Shelf	Left
54			Middle
55			Right
56		3RD Shelf	Left
57			Middle
58			Right
59		Wall below Shelver	UPPER
60			LOWER
61			UPPER
62			LOWER
63			UPPER
64			LOWER
65			UPPER
66			LOWER
67		Ledge	1
68			2
69			3
70			4
71			5
72	✓	Lower Wall	Left

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
73	0800		Lower Wall 2
74			3
75			4
76		Below ^{Hood} Cabinet Left Outer Door	UPPER
77			LOWER
78		Right Outer Door	UPPER
79			LOWER
80		Inside Shelf	Left
81			Right
82		FLOOR	Left
83			Right
84		UPPER Shelf above sink	Left
85			Right
86		2ND Shelf	Left
87			Right
88		Wall above Sink	
89		Paper Towel Dispenser	
90		Left Faucet	
91		Right Faucet	
92		Sink Top	FRONT
93			LEFT
94			REAR
95			RIGHT
96		Inside Sink FRONT	Left
97			Right
98			Left
99	✓		Rear Left

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
100	0820	Inside Sink	Rear Right
101			Right
102		Plastic Shield	INSIDE FRONT
103			REAR
104		Upper Cabinet Outer Left DOOR	UPPER
105			MIDDLE
106			LOWER
107			Right Door
108			UPPER
109			MIDDLE
110			LOWER
111		INSIDE TOP SHELF	LEFT
112			MIDDLE
113			RIGHT
114		2ND SHELF	LEFT
115			MIDDLE
116			RIGHT
117		3RD SHELF	LEFT
118			MIDDLE
119			RIGHT
120		4TH SHELF	LEFT
121			MIDDLE
122		WALL Below Cabinet	RIGHT
123			UPPER
124			LOWER
125			UPPER
126	✓	Bench Top from left	LOWER FRONT

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
127	0840	Bench Top FROM Left	REAR
128			MIDDLE FRONT
129			REAR
130			RIGHT FRONT
131			REAR
132		Below Bench Top Top DRAWER OUTER	
133			Inside FRONT
134			REAR
135			2ND OUTER
136			Inside FRONT
137			REAR
138			3RD OUTER
139			INSIDE FRONT
140			REAR
141			4TH OUTER
142			INSIDE FRONT
143			REAR
144		Below Bench Top 2ND Row Drawer OUTER	
145			Inside FRONT
146			REAR
147		Rear Wall Window ledge from Left	1
148			2
149			3
150			4
151			5
152		FIRE EXTINGUISHER	
153	✓	Book Case on top of Window Ledge Top shelf	Left

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
154	0900	Book Shelf	Top Shelf Right
155			2nd Shelf Left
156			Right
157			3rd Shelf Left
158			Right
159		Right Wall near Window	UPPER SHELVES TOP Left
160			2nd
161			3RD
162			4TH
163			2ND SHELF Left
164			2ND
165			3RD
166			4TH
167			3RD SHELF LEFT
168			2ND
169			3RD
170			4TH
171		Wall Below Shelves	UPPER
172			LOWER
173			UPPER
174			LOWER
175			UPPER
176			LOWER
177			UPPER
178			LOWER
179		Wall outside office from Left	UPPER
180	✓		MIDDLE

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
181	0922		LOWER
182			UPPER
183			MIDDLE
184			LOWER
185			UPPER
186			MIDDLE
187			LOWER
188		Outside Door Knob To Office	
189		INSIDE DOOR KNOB	
190		INSIDE DOOR	UPPER
191			MIDDLE
192			LOWER
193		Light Switch	
194		File Cabinet Top	FRONT
195			REAR
196		Outside Top Drawer	
197		Outside Bottom Drawer	
198		Outside Left Cabinet above desk	
199		Inside Left	
200		Right	
201		Outside Right Cabinet above desk	
202		Inside Left	
203		Right	
204		Desk Top Left	FRONT
205			REAR
206			MIDDLE FRONT
207	V		REAR

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
208	0940	Office Desk TOP	Right FRONT
209			REAR
210		Below Desk TOP Left UPPER DRAWER	OUTER
211			Inside FRONT
212			REAR
213			LOWER DRAWER OUTER
214			INSIDE FRONT
215			REAR
216		Below Desk Top Right UPPER DRAWER	OUTER
217			INSIDE FRONT
218			REAR
219			LOWER DRAWER OUTER
220			INSIDE FRONT
221			REAR
222		Shelving Unit TOP Shelf	Left
223			MIDDLE
224			RIGHT
225		2ND SHELF	Left
226			MIDDLE
227			Right
228		3RD LOWER SHELF	Left
229			MIDDLE
230			RIGHT
231		Below 3RD shelf Left UPPER DRAWER	OUTER Left
232			Right
233			INSIDE Left
234	✓		Right

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
235	1000	Below 3RD shelf	Left Lower DRAWER
236			Left
237			Right
238		Inside	Left
239			Right
240		Below 3RD SHELF RIGHT	UPPER DRAWER
241			Left
242			Right
243		INSIDE	Left
244			RIGHT
245		Right Lower DRAWER	^{OUTER} Left
246			Right
247		INSIDE	Left
248			RIGHT
249		Right Wall from Office	UPPER CABINET Left Door
250			UPPER
251			MIDDLE
252			LOWER
253			UPPER
254		Top Shelf	MIDDLE
255			LOWER
256		2ND	Left
257			Right
258		3RD Shelf	Left
259			Right
260		FLOOR	Left
261			Right
261	✓	Wall below Cabinet	UPPER

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
262	1020		LOWER
263			UPPER
264			LOWER
265		Top Shelf	Left
266			2ND
267			3RD
268			4TH
269		2ND Shelf	LEFT
270			2ND
271			3RD
272			4TH
273		3RD Shelf	Left
274			2ND
275			3RD
276			4TH
277		4th Shelf	Left
278			Middle
279			Right
280		Wall below Shelves	Left
281			2ND
282			3RD
283			4TH
284		Desk Top Left	FRONT
285			REAR
286		Middle	FRONT
287			REAR
288	✓	Right	FRONT

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
289	1040	Desk Top	Right Rear
290		FRONT Wall from Right	Top Shelf Left
291			Middle
292			Right
293		2ND Shelf	Left
294			Middle
295			Right
296		3RD Shelf	Left
297			Middle
298			Right
299		BOOK Case TOP	Left
300			Right
301		Top Shelf	Left
302			Right
303		MIDDLE Shelf	Left
304			Right
305		BOTTOM Shelf	Left
306			Right
307		Wall between 2nd + 3rd Shelves	Left
308			Right
309		Wall below 3rd Shelf	UPPER
310			LOWER
311		FRONT wall near Door Upper Shelf	Left
312			Middle
313			Right
314		2ND Shelf	Left
315	✓		Middle

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
316	1100		Right
317		3RD Shelf	Left
318			Middle
319			Right
320		Wall below Shelves	Left
321			Right
322		Shelf above bench near RT Wall from Front Wall	Left
323			2ND
324			3RD
325			4TH
326			5TH
327		Bench Top RT Side near RT Wall	FRONT
328			REAR
329			FRONT
330			REAR
331			FRONT
332			REAR
333			FRONT
334			REAR
335			FRONT
336			REAR
337			
338			
339			
340			
341			
342	✓		

Assay Definition-

Assay Description:
swipe survey

Assay Type: CPM
Report Name: Report1
Output Data Path: C:\Packard\Tricarb\Results\bill\bills swipes
Raw Results Path: C:\Packard\Tricarb\Results\bill\bills swipes\20061207_1048\20061207_1048.results
RTF File Name: C:\Packard\Tricarb\Results\bill\bills swipes\Report1.rtf
Assay File Name: C:\Packard\TriCarb\Assays\bills 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: Off
Low CPM Threshold: Off
2 Sigma % Terminator: Off

Regions	LL	UL
A	0.0	18.6
B	18.6	156.0
C	0.0	2000.0

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	17	8	28	
2	20	8	31	
3	24	7	36	
4	9	1	14	
5	15	9	28	
6	5	9	16	
7	8	6	21	
8	14	7	25	
9	18	11	33	
10	6	3	18	
11	15	4	24	

12	12	5	28
13	13	5	25
14	12	4	21
15	10	2	18
16	17	4	30
17	13	8	27
18	13	10	25
19	13	6	21
20	8	8	21
21	13	9	29
22	11	12	24
23	2	11	20
24	8	10	24
25	8	9	23
26	8	9	25
27	10	8	20
28	5	4	12
29	12	4	21
30	18	5	29
31	6	7	18
32	8	7	19
33	16	9	32
34	13	9	31
35	12	6	24
36	6	9	24
37	17	4	28
38	9	9	29
39	7	4	13
40	8	6	15
41	11	2	21
42	15	7	28
43	17	9	34
44	16	6	28
45	11	10	28
46	11	6	28
47	14	6	23
48	15	9	32
49	17	6	30
50	22	7	32
51	9	8	21
52	9	9	24
53	6	10	20
54	6	9	21
55	10	6	21
56	15	5	25
57	4	7	13
58	13	6	20
59	10	10	22
60	8	13	27
61	11	10	27
62	16	5	26
63	4	7	15
64	15	9	31
65	14	2	19
66	5	5	15
67	16	5	28
68	16	5	31
69	11	5	23
70	6	3	15
71	11	4	21
72	11	4	22
73	12	8	24
74	2	6	11

75	16	6	29
76	6	2	10
77	2	3	7
78	10	9	26
79	22	8	34
80	12	6	25
81	7	7	22
82	10	3	16
83	11	10	26
84	13	10	30
85	12	6	23
86	20	5	33
87	10	6	22
88	6	5	18
89	13	6	24
90	14	10	27
91	11	7	28
92	15	5	24
93	10	5	21
94	10	11	26
95	18	7	31
96	11	3	21
97	5	6	18
98	8	2	13
99	6	4	13
100	12	1	19
101	18	4	28
102	9	12	25
103	10	2	23
104	15	9	26
105	8	5	15
106	13	12	35
107	12	6	25
108	16	4	23
109	8	3	15
110	17	8	32
111	20	7	34
112	11	7	21
113	12	8	24
114	11	7	25
115	6	7	20
116	9	3	15
117	10	3	15
118	5	5	13
119	3	7	17
120	8	3	19
121	18	8	32
122	11	3	17
123	13	4	25
124	3	8	14
125	8	12	24
126	2	8	12
127	13	4	23
128	8	6	17
129	10	8	23
130	8	4	16
131	14	13	34
132	9	6	20
133	12	2	17
134	11	6	25
135	14	4	24
136	10	8	20
137	18	7	31

Protocol# 1 - bills swipes.lsa

138	10	9	22
139	19	5	30
140	17	12	31
141	6	5	17
142	10	10	23
143	8	10	21
144	16	8	28
145	12	7	25
146	10	4	23
147	10	11	24
148	15	4	27
149	15	10	29
150	15	6	23
151	8	4	20
152	12	8	24
153	17	8	30
154	13	2	19
155	10	10	23
156	9	6	19
157	13	8	27
158	4	8	15
159	12	8	28
160	12	6	21
161	13	7	28
162	13	4	23
163	15	9	29
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165	13	3	24
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167	5	9	20
168	6	5	15
169	2	8	15
170	12	11	27
171	21	6	29
172	7	3	19
173	8	8	23
174	9	6	23
175	20	4	29
176	16	5	25
177	13	5	26
178	10	5	18
179	9	3	15
180	15	8	28
181	13	5	24
182	13	6	26
183	6	2	16
184	4	6	11
185	9	4	17
186	8	10	23
187	8	6	19
188	11	9	25
189	14	4	19
190	14	6	23
191	16	8	26
192	13	6	22
193	11	7	19
194	10	6	23
195	9	5	20
196	4	8	14
197	9	10	23
198	13	9	25
199	9	11	24
200	5	11	19

201	9	5	17
202	12	8	25
203	15	8	28
204	12	4	22
205	8	4	20
206	7	8	20
207	7	8	18
208	9	5	16
209	13	3	22
210	8	9	20
211	7	7	21
212	12	3	22
213	12	7	23
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231	11	10	29
232	12	11	27
233	9	4	18
234	7	7	16
235	11	8	24
236	10	7	22
237	8	9	23
238	4	4	14
239	11	10	27
240	14	2	19
241	12	13	32
242	9	4	19
243	15	8	31
244	10	7	26
245	12	10	29
246	5	8	17
247	7	7	25
248	14	5	26
249	12	9	29
250	15	5	24
251	11	4	16
252	16	7	30
253	10	7	26
254	8	8	22
255	6	5	19
256	13	9	27
257	3	10	19
258	12	3	18
259	9	2	18
260	13	6	25
261	10	9	23
262	15	2	23
263	17	11	37

Protocol# 1 - bills swipes.lsa

264	21	9	35
265	9	3	18
266	6	8	20
267	10	4	21
268	7	7	17
269	11	5	25
270	18	7	27
271	7	4	14
272	10	5	20
273	7	8	23
274	9	3	17
275	10	6	22
276	16	4	27
277	8	10	22
278	6	12	25
279	13	4	22
280	9	11	25
281	5	9	20
282	12	13	29
283	3	5	15
284	6	2	17
285	16	8	30
286	9	7	18
287	14	7	26
288	14	4	23
289	9	7	21
290	18	9	32
291	10	7	23
292	3	12	20
293	9	2	14
294	8	10	21
295	12	17	36
296	15	8	25
297	16	9	25
298	14	4	24
299	12	8	26
300	9	10	23
301	9	4	19
302	11	9	27
303	7	3	19
304	10	6	19
305	12	7	25
306	6	3	12
307	9	4	18
308	7	4	20
309	8	8	23
310	16	11	31
311	13	3	24
312	16	4	26
313	14	10	29
314	12	5	23
315	10	8	25
316	9	6	24
317	11	3	18
318	7	8	19
319	12	6	24
320	12	4	22
321	15	4	22
322	10	8	27
323	9	5	20
324	12	9	27
325	10	5	25
326	9	8	21

327	12	6	26
328	6	9	17
329	8	8	19
330	10	4	25
331	3	4	12
332	19	6	31
333	12	9	25
334	11	9	21
335	9	11	25
336	11	8	24