

Radiological Survey Sheet

Job Location PFIZER INC, Groton, CT 06340 118N/N217 Page 1 of 12

Survey Purpose Lab Survey Date 8/6/07

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	04/11/08 <i>M</i> <i>P</i>	
Check Instruments Used		✓	✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
1.	0645	BACKGROUND	
2.		Bench Front	Upper Back Board & Peps
3.			Left
4.			Right
5.		Bench Top	Left
6.			Right
7.			FRONT
8.			REAR
9.		Behind Sink	Left
10.			Right
11.		In front of Sink	Left
12.			Right
13.			FRONT
14.			REAR
15.		Inside Sink	FRONT
16.			Left
17.			Right
18.		LEFT	
		REAR	
		Left	
		Right	
		FLOOR	
		Left	

Surveyed 100% of lower surfaces with 43-68. NO READINGS IN EXCESS OF NORMAL BACKGROUND WERE OBSERVED.

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
19	0700	Inside Sink	FLOOR Right
20			Drain
21		Below Sink Cabinet	Left Door
22			Right Door
23		Inside Door	Left Door
24			Right Door
25		FLOOR	Left FRONT
26			REAR
27			Right FRONT
28			REAR
29		Above Bench Top from front	Upper Shelf Left
30			2nd
31			3rd
32			4th
33			5th
34			6th
35			7th
36			8th
37			9th
38		Lower Shelf	Left
39			2nd
40			3rd
41			4th
42			5th
43			6th
44			7th
45	✓		8th

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
46	0720	Lower Shelf	9TH
47		Bench Top RT Side from	FRONT
48			FRONT
49			REAR
50			FRONT
51			REAR
52		Cup Hole	
53		BTM	
54			FRONT
55			REAR
56			FRONT
57			REAR
58			FRONT
59			REAR
60			FRONT
61			REAR
62			FRONT
63			REAR
64			FRONT
65			REAR
66			FRONT
67			REAR
68		Below Bench Top from Left	Left
69		Kneehole	Rest
70			Right
71		1st Sect Drawers Top Row	'Outer
72	✓		INNER
			2 Outer

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
73	0740	1ST SET Drawers Top Row # 2	Inner
74			# 3 Outer
75			Inner
76			# 4 Outer
77			Inner
78		2nd Row # 1	Outer
79			Inner Left
80			Right
81		# 2	Outer
82			Inner Left
83			Right
84		# 3	Outer Left
85			Right
86			Inner Left
87			Right
88		# 4	Outer Left
89			Right
90			Inner Left
91			Right
92		2ND SET Drawers Top Row # 1	Outer
93			Inner
94			# 2 Outer
95			Inner
96		2nd Row Cabinet	Outer Left
97			Right
98		Inside	Left
99	✓		Right

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
100	0758	Bench Top ^{BT} Side from FRONT	1 FRONT
101			REAR
102			2 FRONT
103			REAR
104			3 FRONT
105			REAR
106			4 FRONT
107			REAR
108			5 FRONT
109			REAR
110			Cup Hole
111			BTM
112			#6 FRONT
113			REAR
114			#7 FRONT
115			REAR
116			#8 FRONT
117			REAR
118			Cup Hole
119			BTM
120			#19 FRONT
121			REAR
122		FIRST SECT. OF PROWERS Below Bench Top from FRONT	Top Row #1 Outer
123			INNER
124			#2 Outer
125			INNER
126	✓		2nd Row #1 Outer

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
127	0822		2nd Row #1 Inner
128			#2 Outer
129			Inner
130			3rd Row Outer Left
131			Right
132			Inner Left
133			Right
134			4th Row Outer Left
135			Right
136			Inner Left
137			Right
138		2nd Set Drawers Top Row #1	Outer
139			Inner
140			2 Outer
141			Inner
142			3 Outer
143			Inner
144			4 Outer
145			Inner
146		2nd Row #1	Outer
147			Inner
148		#2	Outer
149			Inner
150		#3	Outer Left
151			Right
152			Inner Left
153	✓		Right

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
154	^{min} 0945		#4 D ₀ Tet Left
155			Right
156			Inset Left
157			Right
158		Knee Hole	Left
159			Rest Left
160			Right
161			Right
162		FLOOR SWIPES INSIDE FRONT DOOR FROM LEFT	1
163			2
164			3
165			4
166		FLOOR SWIPES FRONT OF FRONT HALL FROM LEFT	1
167			2
168			3
169			4
170		FLOOR SWIPES FRONT OF LEFT WALL HALL	1
171			2
172			3
173			4
174		FLOOR SWIPES FRONT OF LEFT REAR OFFICE	1
175			2
176		Right Rear Office	1
177			2
178		FLOOR SWIPES FRONT OF RT WALL DOOR	1
179			2
180	✓	FLOOR SWIPES FRONT OF RT WALL HALL	1

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\20070806_1002\20070806_1002.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	20	7	33	
2	10	8	26	
3	15	8	25	
4	19	7	37	
5	15	8	33	
6	12	8	23	
7	20	11	41	
8	9	6	21	
9	11	2	17	
10	20	4	30	
11	15	4	24	

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

75	14	5	24
76	14	5	24
77	19	4	28
78	12	6	22
79	17	8	30
80	13	5	24
81	11	6	20
82	13	6	25
83	12	6	25
84	10	8	26
85	17	15	37
86	19	5	26
87	9	4	21
88	21	5	28
89	20	0	24
90	18	10	35
91	12	9	23
92	18	7	30
93	11	8	22
94	3	4	15
95	6	5	16
96	17	6	27
97	7	9	25
98	1	5	13
99	12	10	28
100	21	7	35
101	13	6	22
102	10	7	22
103	8	8	23
104	14	4	25
105	19	6	27
106	11	5	24
107	16	6	30
108	19	10	32
109	21	3	28
110	20	9	36
111	14	7	23
112	16	8	26
113	14	8	27
114	11	7	21
115	12	5	27
116	3	7	13
117	19	16	41
118	49	41	94
119	252	258	514
120	6	8	15
121	21	20	45
122	7	4	20
123	16	3	24
124	8	3	16
125	12	2	20
126	11	6	24
127	6	3	14
128	23	3	30
129	17	7	30
130	12	10	31
131	12	4	17
132	20	9	36
133	12	7	26
134	13	2	22
135	13	9	24
136	12	10	28
137	17	11	35

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Protocol# 1 - bills swipes.lsa

138	9	8	22
139	27	6	41
140	13	9	28
141	16	7	29
142	14	4	24
143	2	10	17
144	17	4	24
145	14	13	30
146	8	12	26
147	14	5	25
148	13	7	27
149	7	7	20
150	18	6	31
151	11	8	26
152	16	4	30
153	17	6	26
154	11	14	33
155	16	9	33
156	7	7	18
157	4	10	23
158	17	2	25
159	7	7	21
160	19	12	41
161	13	5	23
162	8	9	20
163	17	10	31
164	27	7	42
165	3	7	21
166	21	3	28
167	15	10	27
168	6	7	20
169	5	15	23
170	4	9	20
171	10	5	24
172	12	8	26
173	13	7	22
174	22	9	35
175	16	10	29
176	25	10	39
177	18	2	26
178	31	4	39
179	9	5	19
180	18	8	31
181	10	6	21
182	20	9	35
183	5	3	15
184	13	3	20
185	13	5	25
186	12	8	26
187	13	11	29
188	5	2	11
189	18	9	32
190	18	7	26

Note: 118-119 results indicate contamination. ^{Material} Will be removed and disposed of as
 Rad Waste. WKA/awer