

# Radiological Survey Sheet

Job Location PFIZER INC, GROTON, CT 06340 <sup>21</sup> ~~118N/N 218~~ Page 1 of 18

Survey Purpose Radio logical Survey of Equipment LAB <sup>Deregister/</sup> <sub>WTR</sub> Date 5/25/06

Performed by William H. Calver <sub>(Print)</sub> William H. Calver <sub>(Sign)</sub>

<b>Instrument (Model/S/N)</b>	Packard Tri-Carb S/N 431521	Packard Tri-Carb S/N 431520	Ludlum 2241-2 163603	
<b>Det. (Model/SN)</b>	Internal	Internal	Ludlum 43-68 PR 149613	
<b>Type Rad.</b>	β	β	β	
<b>Cal. Due:</b>	10/12/06	10/12/06	04/14/07	
<b>Check Instruments Used</b>		✓	✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
1.	0910	BACKGROUND	
2.		Outer Lab Door Left	UPPER
3.			MIDDLE
4.			LOWER
5.		Right	UPPER
6.			MIDDLE
7.			LOWER
8.		Light Switches	
9.		Inside Lab Doors Left	UPPER
10.			MIDDLE
11.			LOWER
12.		Right	UPPER
13.			MIDDLE
14.			LOWER
15.		Left FRONT Wall Above LT Wall	UPPER
16.			MIDDLE
17.			LOWER
18.	✓	Rear	UPPER

# Radiological Survey Continuation Sheet

Page 2 of 18

Date 5/25/06

118N/N211

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
19	0930		MIDDLE
20			LOWER
21		Left Front Wall Alcove RT Wall	UPPER
22			MIDDLE
23			LOWER
24		left front wall	UPPER
25			MIDDLE
26			LOWER
27			UPPER
28			MIDDLE
29			LOWER
30		Desk TOP Left	FRONT 1
31			REAR
32			FRONT 2
33			REAR
34			FRONT 3
35			REAR
36			FRONT 4
37			REAR
38		Left TOP DRAWER Outer	FRONT
39		Inside	FRONT
40			REAR
41		2ND DRAWER Outer	FRONT
42		INSIDE	FRONT
43			REAR
44		3RD DRAWER Outer	FRONT
45	✓	INSIDE	FRONT

# Radiological Survey Continuation Sheet

Page 3 of 18

Date 5/25/06

118N / N 211

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
46	0950		REAR
47		Left Wall FROM FRONT	UPPER 1
48			MIDDLE
49			LOWER
50			UPPER 2
51			MIDDLE
52			LOWER
53			UPPER 3
54			MIDDLE
55			LOWER
56			UPPER 4
57			MIDDLE
58			LOWER
59			UPPER 5
60			MIDDLE
61			LOWER
62		STORAGE CABINET Outer Left DOOR	UPPER
63			MIDDLE
64			LOWER
65		Right DOOR	UPPER
66			MIDDLE
67			LOWER
68		Left Side	UPPPER
69			MIDDLE
70			LOWER
71		Rear	UPPER
72	✓		MIDDLE

# Radiological Survey Continuation Sheet

Page 4 of 18

Date 5/25/06

118 N/N201

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
73	1012		LOWER
74			UPPER
75			MIDDLE
76			LOWER
77		Inside Left Cabinet DOOR	UPPER
78			MIDDLE
79			LOWER
80		Right Cabinet DOOR	TOP
81			MIDDLE
82			LOWER
83		Left Wall	UPPER
84			MIDDLE
85			LOWER
86		Rear Wall	UPPER
87			MIDDLE
88			LOWER
89		Right Wall	UPPER
90			MIDDLE
91			LOWER
92		Top Shelf	Left
93			MIDDLE
94			Right
95		2ND Shelf	Left
96			Middle
97			Right
98		3RD Shelf	Left
99	↓		MIDDLE

# Radiological Survey Continuation Sheet

Page 5 of 18

Date 5/25/06

118 N/N 241

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
100	1030		Right
101		FLOOR Left FRONT	
102		REAR	
103		Right FRONT	
104		REAR	
105		Rear Wall from Left Corner	UPPER <sup>1</sup>
106			MIDDLE
107			LOWER
108			UPPER <sup>2</sup>
109			MIDDLE
110			LOWER
111			UPPER <sup>3</sup>
112			MIDDLE
113			LOWER
114			UPPER <sup>4</sup>
115			MIDDLE
116			LOWER
117			UPPER <sup>5</sup>
118			Middle
119			LOWER
120			UPPER <sup>6</sup>
121			MIDDLE
122			LOWER
123			UPPER <sup>7</sup>
124			MIDDLE
125			LOWER
126	✓		UPPER <sup>8</sup>

# Radiological Survey Continuation Sheet

Page 6 of 18

Date 5/20/67

118N/A211

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
127	1047		UPPER
128			MIDDLE
129			LOWER
130		UPPER BOOKCASE TOP SHELF	LEFT
131			<del>MIDDLE</del>
132			RIGHT
133		BOTTOM Shelf	<del>LEFT</del>
134			MIDDLE
135		<del>RT WALL FROM REAR WALL</del>	RIGHT
136		RT WALL FROM REAR WALL	UPPER
137			MIDDLE
138			<del>LOWER</del>
139		NITROGEN GENERATOR FRONT	UPPER
140			MIDDLE
141			LOWER
142		UPPER CABINET LT OUTER GLASS DOOR	UPPER
143			LOWER
144		RT	UPPER
145			LOWER
146		INSIDE GLASS DOOR LT	UPPER
147			LOWER
148		RT	UPPER
149			LOWER
150		TOP Shelf	Left
151			Right
152		2ND Shelf	Left
153	✓		Right

# Radiological Survey Continuation Sheet

Page 7 of 18

Date 10/25/06

IT8N/N211

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
154	1105		UPPER 2ND CABINET <sup>UPPER</sup> LEFT DOOR
155			UPPER LOWER
156			Right UPPER
157			LOWER
158			INSIDE Left DOOR UPPER
159			LOWER
160			RIGHT DOOR UPPER
161			LOWER
162			Top Shelf Left
163			Right
164			2ND shelf Left
165			Right
166			FLOOR Left
167			Right
168		RT Wall	UPPER
169			MIDDLE
170			LOWER
171			UPPER
172			MIDDLE
173			LOWER
174			UPPER
175			MIDDLE
176			LOWER
177			UPPER
178			MIDDLE
179			LOWER
180	✓		UPPER

# Radiological Survey Continuation Sheet

Page 8 of 18

Date 5/25/06

118N/N211

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
181	1120		MIDDLE
182			LOWER
183			UPPER
184			MIDDLE
185			LOWER
186		RT FRONT WALL	UPPER
187			MIDDLE
188			LOWER
189			UPPER
190			MIDDLE
191			LOWER
192			UPPER
193			MIDDLE
194			LOWER
195			UPPER
196			MIDDLE
197			LOWER
198			UPPER
199			MIDDLE
200			LOWER
201		Fire EXTINGUISHER	
202		Chair 1	Back
203			Seat
204		Wheels	1
205			2
206			3
207	✓		4



# Radiological Survey Continuation Sheet

Page 9 of 18

Date <sup>5/25/06</sup> ~~10/26~~

118A/NZ

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
208	1140	Chair 2	Back
209			Seat
210			LT ARM
211			RT ARM
212		Wheels	1
213			2
214			3
215			4
216			5
217		Chair 3	Back
218			Seat
219			LT ARM
220			RT ARM
221		Wheels	1
222			2
223			3
224			4
225			5
226		Chair 4	Back
227			Seat
228			LT ARM
229			RT ARM
230		Wheels	1
231			2
232			3
233			4
234	✓		5

# Radiological Survey Continuation Sheet

Page 10 of 18

Date 5/25/06

118N/N211

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
235	12:00	Chair 5	Back
236			Seat
237			LT ARM
238			RT ARM
239			1
240			2
241			3
242			4
243			5
244		FLOOR IN front of DOOR	1
245			2
246		Left Alcove 2 <sup>nd</sup> Row	3
247			4
248		IN front of Desk	5
249		IN front of Cabinet	6
250		IN front of Back Wall	7
251			8
252			9
253			10
254			11
255			12
256			13
257		IN front of RT Wall	14
258			15
259			16
260			17
261	✓		18



Protocol# 1 - bills swipes.lsa

User: bill

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\20060525\_1058\20060525\_1058.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

#Vials/Sample: 1

Repeat Sample Count: 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

Colored Samples: n/a

Coincidence Time (nsec): 18

Luminescence Correction: On

Heterogeneity Monitor: n/a

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	9	27	
2	14	9	28	
3	9	8	24	
4	15	8	31	
5	7	10	21	

Protocol# 1 - bills swipes.lsa

User: bill

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

Protocol# 1 - bills swipes.lsa

User: bill

63	10	6	21
64	8	11	29
65	13	6	24
66	7	3	16
67	10	2	17
68	9	9	26
69	6	6	15
70	16	2	25
71	16	14	36
72	14	5	27
73	12	5	20
74	16	2	21
75	9	6	19
76	9	3	19
77	14	4	23
78	9	8	21
79	12	7	24
80	10	4	21
81	18	6	30
82	17	4	33
83	10	15	31
84	8	4	18
85	18	8	29
86	6	2	14
87	9	7	25
88	6	7	17
89	6	5	16
90	11	6	25
91	15	7	24
92	10	6	22
93	14	2	21
94	10	4	20
95	10	6	21
96	6	7	22
97	11	5	22
98	14	3	22
99	11	13	31
100	4	7	17
101	11	6	24
102	10	7	24
103	16	3	25
104	17	9	29
105	17	6	29
106	23	7	35
107	5	9	21
108	3	3	11
109	10	7	19
110	15	4	25
111	13	7	28
112	15	7	27
113	14	10	29
114	5	4	16
115	13	11	28
116	12	6	27
117	16	4	23
118	6	5	17
119	12	7	25

Protocol# 1 - bills swipes.lsa

User: bill

120	5	9	20
121	13	4	21
122	8	6	18
123	14	7	29
124	9	6	18
125	17	8	30
126	10	7	21
127	9	5	20
128	10	9	24
129	21	8	36
130	8	5	16
131	17	13	32
132	13	6	24
133	13	10	29
134	22	11	40
135	9	7	19
136	12	7	25
137	14	6	24
138	13	8	27
139	12	4	24
140	12	6	25
141	16	2	24
142	17	4	28
143	10	8	26
144	16	9	33
145	17	6	26
146	7	9	21
147	7	9	23
148	6	12	21
149	17	5	30
150	13	8	24
151	7	13	28
152	10	6	21
153	8	6	23
154	26	5	37
155	14	5	21
156	13	7	24
157	18	4	28
158	16	7	27
159	16	8	28
160	10	5	22
161	25	6	34
162	11	7	23
163	15	9	27
164	19	10	33
165	14	8	27
166	6	10	21
167	12	12	30
168	10	12	28
169	13	10	34
170	9	3	20
171	10	7	22
172	10	7	21
173	16	6	33
174	9	9	24
175	11	3	23
176	24	7	34

Protocol# 1 - bills swipes.lsa

User: bill

177	13	3	24
178	11	8	21
179	19	4	30
180	23	7	37
181	13	7	25
182	5	8	23
183	12	4	21
184	6	7	18
185	11	10	25
186	9	4	18
187	9	9	24
188	7	8	18
189	8	11	27
190	11	6	24
191	17	4	25
192	13	8	28
193	7	5	16
194	20	4	27
195	13	6	25
196	9	5	20
197	7	10	26
198	18	8	31
199	14	3	21
200	19	5	29
201	13	8	27
202	7	7	22
203	11	9	22
204	13	9	27
205	11	7	19
206	11	4	24
207	15	7	26
208	13	5	23
209	22	5	32
210	13	13	30
211	17	5	30
212	0	9	10
213	14	5	21
214	9	2	17
215	13	8	25
216	11	3	24
217	7	7	20
218	11	7	22
219	15	4	23
220	10	7	24
221	16	3	26
222	9	6	26
223	12	3	24
224	13	4	26
225	14	3	22
226	17	7	31
227	7	5	20
228	14	8	25
229	16	4	27
230	20	5	33
231	4	3	15
232	13	6	26
233	9	11	27



Protocol# 1 - bills swipes.lsa

User: bill

234	12	9	24
235	15	9	31
236	8	9	23
237	13	7	27
238	17	4	26
239	11	9	25
240	11	5	20
241	22	6	31
242	9	5	20
243	15	8	28
244	13	5	23
245	11	8	27
246	12	12	32
247	7	13	25
248	20	9	34
249	11	5	19
250	7	10	20
251	6	10	21
252	16	6	28
253	11	4	20
254	5	5	15
255	5	4	14
256	12	10	24
257	16	7	26
258	12	14	27
259	12	12	26
260	7	14	26
261	12	5	19
262	13	9	26
263	10	10	23
264	7	6	21
265	10	6	23
266	12	10	29
267	11	4	22
268	12	15	32

