

Radiological Survey Sheet

Job Location PFIZER INC, GROTON, CT, 06340 118/230 Page 1 of 20

Survey Purpose Radiological Survey/Decon of Lab Date 6/15/06

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:	10/12/06	10/12/06	04/14/07	
Check Instruments Used		✓	✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
1.	0630	BACKGROUND	
2.		Left side of Hood CABINET	Outer left door UPPER
3.			LOWER
4.			Right door UPPER
5.			LOWER
6.			Inside left door UPPER
7.			LOWER
8.			Right door UPPER
9.			LOWER
10.			FLOOR Left
11.			Middle
12.			Right
13.		2nd Cabinet	Outer left door UPPER
14.			LOWER
15.			Right door UPPER
16.			LOWER
17.			Inside left door UPPER
18.	✓		LOWER

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
19	0650	Inside RT DOOR	UPPER
20			LOWER
21		FLOOR	Left
22			Middle
23			Right
24		Plastic Box Inside	Left
25			Middle
26			Right
27		3RD Cabinet OUTSIDE	LT DOOR UPPER
28			LOWER
29			RT DOOR UPPER
30			LOWER
31		Inside LT DOOR	UPPER
32			LOWER
33		RT DOOR	UPPER
34			LOWER
35		FLOOR	Left
36			Middle
37			Right
38		Plastic Box Inside	Left
39			Middle
40			Right
41		FRONT WALL NEAR DOOR	UPPER
42			MIDDLE
43			LOWER
44		TOP SHELF	Left
45	↓		Right

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
46	0715	2ND shelf	Left
47			Right
48		3RD shelf	Left
49			Right
50		Bench TOP	FRONT
51			MIDDLE
52			REAR
53		TOP DRAWER Below Bench TOP	OUTER
54			Inside FLOOR FRONT
55			REAR
56		2ND DRAWER	OUTER
57			INSIDE FRONT
58			REAR
59		3RD DRAWER	OUTER
60			INSIDE FRONT
61			REAR
62		4th DRAWER	OUTER
63			INSIDE FRONT
64			REAR
65		Fire EXTINGUISHER	
66		Small Bench on top of Center Island Bench TOP	Left 1
67			2
68			3
69			4
70			5
71		FRONT of Small Bench facing doors from left	1
72	✓		2

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
73	0740	Small Bench FRONT facing doors	3
74			4
75			5
76		FRONT of Small Bench facing offices from left	1
77			2
78			3
79			4
80			5
81		Small Bench LT Leg OUTER	
82		INNER	
83		Middle leg LEFT	
84		RIGHT	
85		RT leg Inside	
86		OUTER	
87		Small BLUE STAR TOP LEFT	
88		RIGHT	
89		outer left leg	
90		INNER	
91		OUTER RIGHT Leg	
92		INNER RIGHT Leg	
93		Bench Top Facing Rear from Down End FRONT ¹	
94			REAR
95			FRONT ²
96			REAR
97			FRONT ³
98			REAR
99	v		FRONT ⁴

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
100	0810	Bench Top facing Door	REAR ⁴
101			FRONT ⁵
102			REAR
103			FRONT ⁶
104			REAR
105		Bench Top Facing Offices from Post room	FRONT ¹
106			REAR
107			FRONT ²
108			REAR
109			FRONT ³
110			REAR
111			FRONT ⁴
112			REAR
113			FRONT ⁵
114			REAR
115			FRONT ⁶
116			REAR
117		Bench half facing Door from Left End First Row Printers TOP OUTER	
118			INSIDE FRONT
119			REAR
120			2ND OUTER
121			INSIDE FRONT
122			REAR
123			3RD OUTER
124			INSIDE FRONT
125			REAR
126	✓		4TH OUTER

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
127	0835	4th Drawer 1st Row	Inside FRONT
128			REAR
129		2ND Row Top Drawer	Outer
130			Inside FRONT
131			REAR
132		2ND Drawer	Outer
133			Inside FRONT
134			REAR
135		^{Door} CABINET Outer	UPPER
136			LOWER
137		Inside Door	UPPER
138			LOWER
139		Top Shelf	Left
140			Right
141		Floor	Left
142			Right
143		3RD Row TOP DRAWER	Outer FRONT
144			REAR
145		Cabinet Outer Door	Upper
146			Lower
147		Inside Door	UPPER
148			LOWER
149		Top Shelf	FRONT
150			REAR
151		FLOOR	FRONT
152			REAR
153	✓	4th Row Top Drawer	Outer

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
154	0900		Inside Front
155			Rear
156			Cabinet Door Outer Upper
157			Lower
158			Inside UPPER
159			LOWER
160			Top Shelf Front
161			Rear
162			FLOOR FRONT
163			REAR
164			Fifth Row Top Drawer Outside 1
165			Inside FLOOR FRONT
166			REAR
167			Outside 2
168			Inside FRONT
169			REAR
170			OUTSIDE 3
171			INSIDE FRONT
172			REAR
173			Outside 4
174			Inside FRONT
175			REAR
176			6th Row Top Drawer Outer
177			Inside FRONT
178			REAR
179			2ND DRAWER OUTER
180	✓		Inside FRONT

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
181	0930		Inside Rear
182			Cabinet FRONT OUTER UPPER
183			LOWER
184			INSIDE DOOR UPPER
185			LOWER
186			FLOOR FRONT
187			REAR
188		Center Bench Half facing offices From Door end, First Row	TOP DRAWER OUTER
189			INSIDE FRONT
190			REAR
191			2ND DRAWER OUTER
192			INSIDE FRONT
193			REAR
194			Cabinet OUTER UPPER
195			LOWER
196			INSIDE DOOR UPPER
197			LOWER
198			INSIDE Top Shelf FRONT
199			REAR
200			BOTTOM Shelf FRONT
201			REAR
202			2ND Row Top Drawer OUTER
203			INSIDE FRONT
204			REAR
205			2ND OUTER
206			FRONT
207	✓		REAR

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
208	0958		
		3rd Drawer Outer	
209		Inside Front	
210		Rear	
211		4th Drawer Outer	
212		Inside Front	
213		Rear	
214		Above knee hole Left	
215		Right	
216		Inside knee hole Left	UPPER
217			LOWER
218			Right UPPER
219			LOWER
220			Right UPPER
221			LOWER
223		3RD ROW TOP DRAWER OUTER	
224		Inside Front	
225		Rear	
226		2ND DRAWER OUTER	
227		Inside Front	
228		Rear	
229		Cabinet Outer	UPPER
230			Lower
231		Inside Door	UPPER
232			LOWER
233		Top Left	FRONT
234			Rear
235	V	FLOOR	FRONT

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
236	1022	Cabinet Floor	
237		4th Row Top Drawer Outer	
238		Inside Front	
239		Rear	
240		2nd Top Drawer Outer	
241		Inside Front	
242		Rear	
243		3rd Drawer Outer	
244		Inside Front	
245		Rear	
246		4th Drawer Outer	
247		Inside Front	
248		Rear	
249		FLOOR DOORWAY 1	
250			2
251			3
252			4
253		Left Wall Front 5	
254		Kneehole 6	
255		In front of Fridge 7	
256		In front of RT Wall 8	
257		RT Wall Sink, in front of 9	
258			10
259		Front of Left End of Hood	11
260			12
261			13
262	✓		14

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
263	1048	In front of center bench	Left end 15
264			16
265			17
266			18
267		Floor in front of center Rear side of bench	Left end 19
268			20
269			21
270			22
271		Yellow Rad TRAY	INSERT Left
272			Right
273		Yellow Rad Tray Top	Left
274			Middle
275			Right
276		Bottom	Left
277			Middle
278			Right
279		Left Beaker #1 Outer	FRONT
280			REAR
281		Inside	FRONT
282			REAR
283			FLOOR
284		#2 Outer	FRONT
285			REAR
286		INSIDE	FRONT
287			REAR
288			FLOOR
289	✓	PH Meter Unit	Top Left

Protocol# 2 - 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\20060515_1125\20060515_1125.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	22	7	30	
2	12	7	26	
3	13	7	23	
4	15	13	36	
5	11	8	26	

Protocol# 2 - bills swipes.lsa

User: bill

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

Protocol# 2 - bills swipes.lsa

User: bill

63	9	5	19
64	8	10	27
65	7	5	15
66	6	10	23
67	21	9	40
68	6	7	21
69	14	10	28
70	14	4	22
71	15	5	22
72	9	8	18
73	20	7	32
74	10	3	17
75	11	11	24
76	10	7	23
77	11	6	21
78	19	9	33
79	0	9	18
80	5	12	23
81	10	8	26
82	22	7	30
83	21	6	36
84	8	3	12
85	8	5	20
86	10	6	22
87	10	6	25
88	18	11	35
89	17	5	29
90	4	6	18
91	13	5	21
92	21	9	33
93	13	8	28
94	13	9	26
95	15	7	29
96	16	8	31
97	12	2	18
98	8	4	18
99	15	7	25
100	8	7	19
101	11	6	28
102	3	6	11
103	9	8	21
104	6	9	22
105	21	6	32
106	7	7	18
107	11	8	23
108	16	3	23
109	12	5	21
110	8	1	11
111	15	4	25
112	8	7	16
113	9	9	19
114	9	7	16
115	10	8	24
116	14	9	28
117	7	9	19
118	14	5	22
119	16	10	41

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User: bill

120	14	5	29
121	14	6	24
122	15	7	29
123	6	6	19
124	9	6	19
125	10	6	23
126	9	5	20
127	23	9	35
128	7	6	19
129	10	6	22
130	13	15	33
131	12	5	21
132	6	6	17
133	14	4	26
134	20	4	30
135	13	9	27
136	7	4	15
137	22	7	36
138	8	8	17
139	5	5	16
140	14	11	30
141	14	7	27
142	8	9	19
143	3	5	11
144	25	8	41
145	9	5	20
146	14	14	33
147	12	8	33
148	17	12	35
149	9	5	21
150	9	1	14
151	16	4	24
152	16	4	24
153	19	11	34
154	6	6	17
155	14	3	23
156	2	4	8
157	8	8	18
158	5	6	15
159	3	6	13
160	9	5	18
161	4	5	14
162	5	9	19
163	13	7	25
164	14	5	23
165	11	7	24
166	8	8	21
167	7	8	17
168	6	5	22
169	16	6	30
170	12	6	22
171	13	11	32
172	13	5	23
173	22	5	32
174	16	5	25
175	4	9	13
176	10	3	15

Protocol# 2 - bills swipes.lsa

User: bill

177	7	9	21
178	11	9	29
179	11	8	24
180	12	9	25
181	23	7	34
182	15	7	29
183	8	7	24
184	10	6	20
185	10	8	23
186	6	7	18
187	11	10	24
188	11	14	29
189	13	5	24
190	10	11	24
191	11	8	22
192	8	6	19
193	11	9	27
194	13	3	16
195	10	7	21
196	14	4	22
197	13	5	24
198	16	7	29
199	13	8	28
200	16	7	25
201	15	9	28
202	17	4	32
203	9	3	19
204	9	6	23
205	14	4	24
206	13	8	25
207	13	6	24
208	13	5	24
209	20	6	31
210	11	10	28
211	14	7	24
212	7	8	21
213	18	7	27
214	11	6	21
215	12	11	27
216	12	4	19
217	15	5	25
218	17	4	23
219	18	7	30
220	3	4	13
221	8	8	21
222	14	6	25
223	7	4	19
224	10	9	21
225	11	6	20
226	19	9	34
227	16	5	30
228	11	4	22
229	14	3	22
230	21	4	34
231	0	8	11
232	18	5	30
233	16	8	26

Protocol# 2 - bills swipes.lsa

User: bill

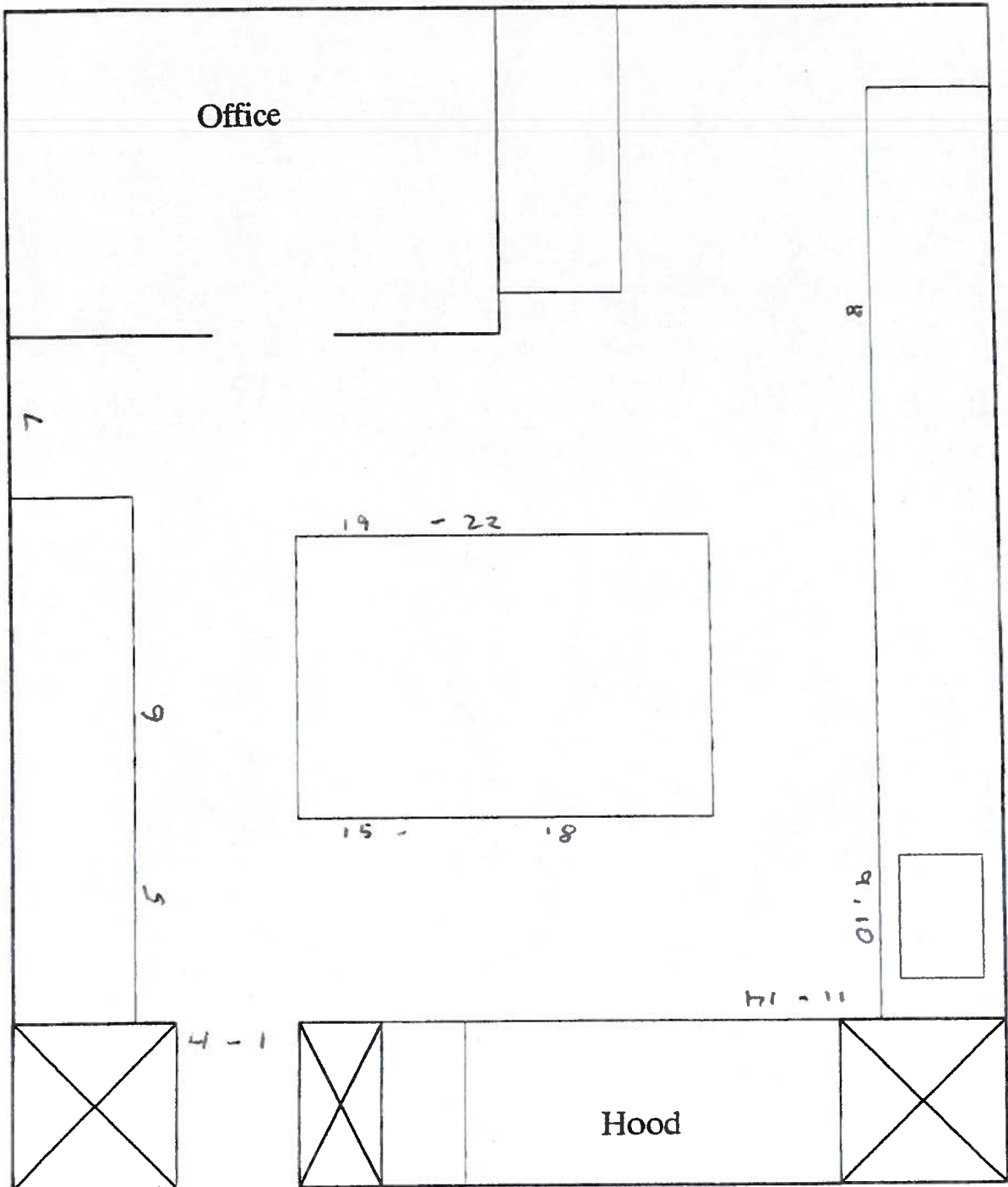
234	15	4	21
235	12	5	22
236	13	6	23
237	13	4	22
238	17	10	30
239	7	8	20
240	8	9	24
241	13	3	19
242	14	7	28
243	9	4	23
244	6	4	18
245	14	9	30
246	7	9	23
247	15	7	30
248	10	6	20
249	16	7	28
250	13	9	26
251	14	8	27
252	15	7	26
253	12	9	27
254	12	11	27
255	13	7	25
256	10	1	15
257	17	7	31
258	10	7	21
259	16	6	31
260	11	5	20
261	5	9	19
262	9	5	15
263	13	9	29
264	13	5	22
265	9	4	18
266	9	6	21
267	11	7	23
268	12	10	26
269	17	5	28
270	6	8	24
271	7	4	16
272	12	5	22
273	25	8	40
274	8	1	13
275	10	6	21
276	10	7	24
277	8	10	22
278	18	5	28
279	0	5	6
280	13	9	26
281	14	8	25
282	10	6	23
283	14	5	21
284	9	9	21
285	10	9	21
286	24	8	37
287	25	7	37
288	11	9	21
289	3	2	9
290	13	4	23

Protocol# 2 - bills swipes.lsa

User: bill

291	13	6	25
292	18	7	35
293	9	5	20
294	10	5	21
295	12	8	27
296	7	5	16
297	10	10	26
298	18	11	36
299	5	5	15
300	9	9	21

FLOOR SWIPES



Not checked 100% of hood swipes with 43-68 - no readings
above room ~~at hood~~ ~~in hood~~