

Radiological Survey Sheet

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

Survey Purpose Radiological Survey + Decom of 2 RADLAB Date 12/18/06

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.	0705	BACKGROUND	
2.		Below Bench Top from Front RT side	Top Drawer Outer
3.			Inside FRONT
4.			REAR
5.			CABINET DOOR UPPER
6.			LOWER
7.			INSIDE FRONT
8.			REAR
9.		2ND ROW	Top Drawer Outer
10.			Inside FRONT
11.			REAR
12.			Cabinet Door Outer UPPER
13.			LOWER
14.			INSIDE FRONT
15.			REAR
16.		3RD ROW	TOP DRAWER OUTER
17.			Inside FRONT
18.			REAR

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
19	0725		3rd Row 2ND DRAWER Outer
20			Inside Front
21			Rear
22			3RD DRAWER OUTER
23			INSIDE FRONT
24			REAR
25			4TH DRAWER OUTER
26			FRONT
27			REAR
28			Middle Drawer above Knee Hole Outer
29			Inside Left
30			Right
31			Knee Hole Left Wall
32			Rear Wall
33			Right Wall
34		END of Bench Sink area	Left
35			Rear
36			Right
37			Shield Left
38			Rear
39			Right
40			Left Faucet
41			Right Faucet
42			Eye Wash
43			INSIDE SINK FRONT Left
44			Right
45	∨		Left

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
46	0745		Inside Sink Rear Left
47			Right
48			Left
49			SINK FLOOR Left
50			Right
51			DRAIN
52			DRAIN Receptacle
53		Cabinet below Sink	Left Door Outer UPPER
54			LOWER
55			Right Outer UPPER
56			LOWER
57			Inside Floor Left FRONT
58			REAR
59			Right FRONT
60			REAR
61		Right Island left side "L" Bench Top	FRONT
62			REAR
63			FRONT
64			REAR
65			Drawer below "L" OUTER
66			INSIDE FRONT
67			REAR
68			Cabinet below "L" Outer Upper
69			Lower
70			Inside FRONT
71			REAR
72	✓	Bench Top from office end	FRONT

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
73	0905	Bench Top from sink	REAR
74			2ND FRONT
75			REAR
76			3RD FRONT
77			REAR
78			4TH FRONT
79			REAR
80		Drawer above Knee Hole	Outer FRONT
81			Inside FRONT
82			REAR
83		Knee Hole	Left
84			REAR
85			Right
86		1st Row of Drawers Top	Outer
87			Inside FRONT
88			REAR
89			2ND Outer Left
90			Right
91			Inside Left
92			Right
93			3RD Outer Left
94			Right
95			INSIDE Left
96			Right
97			4TH Outer Left
98			Right
99	✓		INSIDE Left

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
100	0825		
101			Right
102			2ND ROW Top Drawer Outer
103			INSIDE FRONT
104		Bench island near left wall	UPPER shelf from Window 1
105			2
106			3
107			4
108			5
109			6
110			7
111			8
112		LEFT SIDE Bench Top from Window	FRONT
113			REAR
114			2ND FRONT
115			REAR
116			3RD FRONT
117			REAR
118			4TH FRONT
119			REAR
120			5TH FRONT
121			REAR
122			6TH FRONT
123			REAR
124			7TH FRONT
125			REAR
126	✓		8TH FRONT

- See Note. wkr

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
127	0845		Rear
128			9TH FRONT
129			REAR
130			10TH FRONT
131			REAR
132		DRAWERS below Bench Top from Window 1st Row Top Outer	
133			INSIDE FRONT
134			REAR
135			2ND OUTER
136			INSIDE FRONT
137			REAR
138			3RD OUTER FRONT
139			INSIDE FRONT REAR <small>with</small>
140			4TH OUTER <small>with</small> REAR
141			4TH OUTER FRONT
142			INSIDE FRONT
143			REAR
144			2ND ROW TOP DRAWER OUTER
145			INSIDE FRONT
146			REAR
147			2ND OUTER
148			INSIDE FRONT
149			REAR
150			3RD OUTER
151			INSIDE FRONT
152			REAR
153	✓		4TH OUTER

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
154	0910		4TH INSIDE FRONT
155			REAR
156		CABINET	OUTER UPPER
157			LOWER
158			INSIDE FRONT
159			REAR
160		3RD ROW DRAWERS	TOP OUTER
161			INSIDE FRONT
162			REAR
163			2ND OUTER
164			INSIDE FRONT
165			REAR
166			3RD OUTER Left
167			Right
168			INSIDE Left
169			Right
170			4TH OUTER Left
171			Right
172			INSIDE Left
173			Right
174		4TH ROW DRAWER	TOP OUTER
175			INSIDE FRONT
176			REAR
177			2ND OUTER FRONT
178			INSIDE REAR
179			FRONT
180	✓	Drawer above Knee Hole	OUTER

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Date 12/8/06
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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
181	0930	Drawer above Knee Hole	INSIDE FRONT
182			REAR
183		Knee Hole	Left Wall
184			Rear Wall
185			Right Wall
186		5TH ROW OF DRAWERS Top	OUTER
187			INSIDE FRONT
188			REAR
189		2ND	OUTER Left
190			Right
191			INSIDE Left
192			Right
193		3RD	OUTER Left
194			Right
195			INSIDE Left
196			Right
197		4TH	OUTER Left
198			RIGHT
199			INSIDE Left
200			Right
201		6TH Row Top Drawer	OUTER
202			INSIDE FRONT
203			Rear
204		7TH Row Top DRAWER	OUTER
205			INSIDE FRONT
206			Rear
207	✓	2ND DRAWER	OUTER

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
208	0950		2ND DRAWER INSIDE FRONT
209			REAR
210			3RD DRAWER OUTER
211			INSIDE FRONT
212			REAR
213			4TH DRAWER OUTER
214			INSIDE FRONT
215			REAR
216		Fire Extinguisher Hand + chute	
217		Body	
218		Right Half of island from door Bench Top	FRONT
219			REAR
220			2ND FRONT
221			REAR
222			3RD FRONT
223			REAR
224			4TH FRONT
225			REAR
226			5TH FRONT
227			REAR
228			6TH FRONT
229			REAR
230			7TH FRONT
231			REAR
232		Below Bench Top from door Top Drawer	OUTER
233			INSIDE FRONT
234	✓		REAR

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
235	1010		2ND DRAWER OUTER
236			INSIDE FRONT
237			REAR
238			3RD DRAWER OUTER
239			INSIDE FRONT
240			REAR
241			4TH DRAWER OUTER
242			INSIDE FRONT
243			REAR
244			2ND ROW Top Drawer OUTSIDE LEFT
245			RIGHT
246			INSIDE LEFT
247			RIGHT
248			2ND DRAWER OUTER LEFT
249			RIGHT
250			INSIDE LEFT
251			RIGHT
252			3RD DRAWER OUTER LEFT
253			OUTER RIGHT
254			INSIDE LEFT
255			RIGHT
256			4TH DRAWER OUTER LEFT
257			RIGHT
258			INSIDE LEFT
259			RIGHT
260			Drawer above Kneehole OUTER
261	✓		LEFT

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
262	1030		Right
263		Knee Hole	Left Wall
264			Rear Wall
265			Right Wall
266		3RD Row Top Drawer	Outer
267			INSIDE FRONT
268			REAR
269		Cabinet Outer Door	UPPER
270			LOWER
271		Inside	Left
272			Right
273		4TH Row Top Drawer	Outer
274			INSIDE FRONT
275			REAR
276		Cabinet Outer Door	UPPER
277			LOWER
278		Inside	FRONT
279			REAR
280		Desk Top	Left FRONT
281			REAR
282			Middle FRONT
283			REAR
284			Right FRONT
285			REAR
286		Left Drawer below Desk TOP	Outer
287			INSIDE FRONT
288	✓		REAR

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\20061208_0807\20061208_0807.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	17	9	31	
2	17	5	25	
3	14	10	32	
4	18	9	32	
5	6	11	20	
6	10	10	24	
7	12	5	21	
8	4	7	22	
9	10	6	21	
10	10	5	17	
11	15	8	30	

12	12	9	25
13	2	7	20
14	8	7	19
15	7	6	18
16	7	6	19
17	11	7	20
18	5	8	20
19	11	6	23
20	16	8	29
21	11	9	23
22	6	0	10
23	9	5	17
24	12	5	20
25	12	7	24
26	10	11	22
27	9	8	23
28	10	8	24
29	9	9	25
30	11	4	19
31	11	5	21
32	8	7	22
33	11	6	23
34	8	4	16
35	13	8	23
36	6	6	15
37	15	4	27
38	14	8	27
39	7	8	22
40	6	7	20
41	8	12	26
42	21	9	36
43	9	8	24
44	6	3	15
45	9	4	20
46	14	7	25
47	5	7	15
48	15	9	32
49	12	9	26
50	17	4	26
51	15	8	26
52	11	5	19
53	8	4	14
54	19	9	31
55	9	4	17
56	19	6	31
57	7	6	16
58	9	5	20
59	5	2	11
60	10	6	20
61	9	6	18
62	7	5	15
63	7	9	20
64	6	4	16
65	13	6	28
66	9	9	20
67	6	7	23
68	10	7	19
69	3	5	10
70	10	3	18
71	11	2	17
72	10	3	18
73	7	5	16
74	4	4	12

75	7	6	21
76	16	3	25
77	12	8	21
78	5	3	14
79	11	4	22
80	11	9	22
81	30	18	51
82	10	8	23
83	15	6	23
84	3	5	17
85	6	4	15
86	12	6	22
87	7	6	19
88	14	4	26
89	11	8	27
90	11	7	20
91	13	7	24
92	8	6	16
93	7	4	14
94	5	11	17
95	16	10	32
96	10	5	24
97	14	5	24
98	8	4	20
99	12	7	24
100	0	10	19
101	9	7	24
102	11	6	27
103	10	9	26
104	2	6	16
105	5	7	13
106	0	5	3
107	0	5	5
108	10	4	21
109	15	5	26
110	9	3	17
111	7	5	18
112	21	9	35
113	17	8	35
114	13	7	27
115	4	7	13
116	7	6	14
117	11	7	23
118	8	6	23
119	6	4	18
120	41	27	76
121	12	8	25
122	15	2	24
123	22	7	36
124	16	9	31
125	13	7	26
126	10	8	23
127	16	11	30
128	11	3	20
129	3	4	12
130	17	8	30
131	15	7	26
132	14	6	27
133	11	13	31
134	3	4	12
135	13	4	20
136	16	11	33
137	22	1	29

- See Note. WAC

138	14	9	32
139	12	4	18
140	5	9	26
141	14	14	39
142	13	7	26
143	7	7	22
144	28	2	33
145	12	8	25
146	6	9	23
147	14	7	27
148	9	2	17
149	9	5	23
150	7	7	21
151	15	4	25
152	11	9	31
153	13	4	22
154	10	6	21
155	6	5	17
156	13	6	23
157	13	6	21
158	10	2	17
159	7	9	18
160	11	14	31
161	10	8	24
162	8	4	18
163	9	7	22
164	14	7	24
165	15	10	28
166	15	7	27
167	9	4	19
168	17	5	25
169	7	6	16
170	2	7	10
171	13	7	25
172	3	5	14
173	9	6	20
174	17	5	27
175	9	12	26
176	4	6	18
177	10	11	27
178	9	2	16
179	16	9	30
180	15	5	25
181	18	7	29
182	14	9	30
183	12	9	26
184	9	4	20
185	14	11	27
186	7	4	20
187	13	3	19
188	10	3	21
189	19	5	27
190	10	11	23
191	12	6	25
192	6	5	17
193	12	3	22
194	15	6	25
195	10	15	31
196	9	7	22
197	9	4	15
198	7	9	21
199	9	7	23
200	15	4	25

201	11	3	21
202	7	5	16
203	13	9	23
204	7	13	24
205	1	7	15
206	10	8	24
207	15	5	28
208	10	7	19
209	14	9	24
210	4	8	16
211	13	4	23
212	12	5	26
213	7	6	22
214	14	8	26
215	11	4	23
216	11	6	18
217	12	9	24
218	13	8	27
219	13	6	24
220	12	7	25
221	13	8	25
222	7	7	21
223	21	11	36
224	11	5	22
225	12	4	22
226	9	11	24
227	11	9	27
228	10	8	24
229	9	3	15
230	3	10	17
231	10	9	22
232	11	10	33
233	14	6	26
234	16	9	30
235	12	6	22
236	8	8	21
237	18	7	27
238	12	11	31
239	10	6	24
240	13	6	24
241	11	8	23
242	11	7	24
243	8	7	23
244	3	7	17
245	11	7	21
246	9	6	20
247	2	9	18
248	9	9	26
249	13	7	23
250	6	7	18
251	13	3	22
252	18	7	33
253	9	7	24
254	8	7	17
255	8	11	24
256	6	3	12
257	10	10	25
258	13	5	19
259	16	6	27
260	10	7	20
261	9	2	16
262	10	8	23
263	8	8	24

264	12	9	24
265	10	3	17
266	7	5	17
267	12	6	22
268	6	5	18
269	17	7	33
270	11	11	27
271	11	7	24
272	9	1	14
273	9	6	24
274	3	14	22
275	12	6	23
276	4	12	18
277	8	8	20
278	13	5	21
279	17	8	34
280	13	5	22
281	7	5	17
282	13	6	23
283	16	4	27
284	8	5	14
285	9	4	19
286	8	4	15
287	4	4	13
288	8	8	20
289	11	8	28
290	9	5	17
291	13	5	24
292	8	3	21
293	10	7	22
294	13	8	25
295	11	7	23
296	16	4	25
297	11	5	24
298	7	9	24
299	17	8	29
300	1	2	6
301	10	7	23
302	6	5	15
303	5	5	13
304	3	3	14
305	15	5	26
306	9	15	28
307	7	7	20
308	14	8	30

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\20061209_0709\20061209_0709.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	18	5	26	BACKGROUND
2	9	9	22	#120

NOTE: Result of reswipe after DECON is SATISFACTORY,
with Calver

