

# Radiological Survey Sheet

4309

Job Location PFIZER INC., GROTON, CT 06340 <sup>118W/288</sup> Page 1 of 12

Survey Purpose Decommissioning <sup>Lab</sup> RADIOLOGICAL SURVEY OF EQUIPMENT Date 11/1/04

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

Instument (Model/S/N)	Packard Tri-Carb S/N 431521	Packard Tri-Carb S/N 431520	Ludlum 2241-2 163603	
Det. (Model/S/N)	Internal	Internal	Ludlum 43-68 PR 149613	
Type Rad.	β	β	β	
Cal. Due:	10/12/05	10/12/05	03/07/05	
Check Instruments Used		✓	X ⊙	

Surveyed by  
P. KESSE w/ Ludlum 22-41

No.	Time	Locations
		See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
1.	1208	BACKGROUND
2.		Outer Door Knob
3.		Inner Door Knob
4.		Inside Door Left Lower Half
5.		Right Lower Half
6.		Wall * Light Switches
7.		Wall
8.		UPPER SHELF
9.		2ND
10.		3RD
11.		Controls for Hood Upper Half
12.		Lower Half
13.		Air Box
14.		Air Flow Control Box
15.		INSIDE HOOD LEFT WALL UPPER
16.		LOWER
17.		LEFT WALL SHELF UPPER
18.		MIDDLE

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
19	1228	Lower Shelf	
20		INSIDE HOOD BACK WALL LEFT UPPER	
21		LOWER	
22		GREEN HANDLE + FRONT	
23		DOUBLE GREEN HANDLE + FRONT	
24		<del>LEFT BEACH TOP</del> SINK INSIDE FRONT	
25		LEFT WALL	
26		REAR WALL	
27		FLOOR OF SINK	
28		DRAIN CUP	
29		INSIDE DRAIN	
30		LEFT HOOD FLOOR	
31		2ND SECT FRONT LEFT INSIDE HOOD REAR WALL UPPER	
32		LOWER + 2 BLACK VALVES	
33		CUP DRAIN HOLE	
34		HOOD FLOOR	
35		INSIDE HOOD REAR WALL UPPER	
36		LOWER + <sup>ORANGE</sup> yellow VALVES	
37		DOUBLE GREEN FRONT	
38		CUP HOLE DRAIN	
39		FLOOR	
40		INSIDE HOOD REAR WALL UPPER	
41		LOWER + <sup>dark black +</sup> yellow	
42		FLOOR	
43		INSIDE HOOD REAR WALL UPPER	
44		LOWER <sup>yellow</sup> <sup>dark black,</sup> Green	
45	√	FLOOR	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
46	1252	INSIDE HOOD Rear Wall	UPPER
47			LOWER <span style="float: right; font-size: small;">ORANGE Possible Black, Double Black</span>
48			<del>CUP</del> Hole + RAIN
49			FLOOR
50		Rear Wall	UPPER
51			LOWER
52			Double Green, Double Yellow
53			CUP HOLE
54			FLOOR
55		INSIDE HOOD RIGHT WALL	UPPER
56			LOWER
57			Three FIXTURES (2 yellow, 1 silver)
58		INSIDE HOOD GLASS FRONT LEFT	UPPER
59			LOWER
60			2ND UPPER
61			LOWER
62			3RD UPPER
63			LOWER
64			4TH UPPER
65			LOWER
66			5TH UPPER
67			LOWER
68			6TH UPPER
69			LOWER
70		METAL FRONT LIP	LEFT
71			2ND
72	↓		3RD

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
73	1309	METAL FRONT LIP	4TH
74			5TH
75			6TH
76		OUTSIDE HOOD GLASS	UPPER Left
77			LOWER
78			UPPER 2ND
79			LOWER
80			UPPER 3RD
81			LOWER
82			UPPER : 4TH
83			LOWER
84			UPPER 5TH
85			LOWER
86			UPPER 6TH
87			LOWER
88		Below HOOD	LEFT OUTER CABINET DOOR Handle
89			INSIDE CABINET DOOR
90			INSIDE FLOOR
91			OUTER CABINET DOOR Left #2 INSIDE #2
92			RIGHT
93			INSIDE CABINET DOOR Left
94			RIGHT
95			INSIDE CABINET #2 TOP Shelf
96			Lower Shelf
97			OUTSIDE CABINET #3 TOP
98			INSIDE TOP SHELF
99	✓		BOTTOM SHELF

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
100	1331	Below HOOD OUTSIDE CABINET #4	LEFT DOOR
101			RIGHT DOOR
102			INSIDE DOOR LEFT
103			RIGHT
104			INSIDE TOP SHELF
105			BOTTOM SHELF
106		Below HOOD DRAWER	UPPER LEFT OUTER SURFACE + HANDLE
107			INSIDE FLOOR
108			UPPER RIGHT OUTER SURFACE + HANDLE
109			INSIDE FLOOR
110			2ND LEFT OUTER + HANDLE
111			INSIDE FLOOR
112			3RD RIGHT OUTER + HANDLE
113			INSIDE FLOOR
114			3RD DRAWER OUTER
115			INSIDE FLOOR
116			4TH DRAWER OUTER
117			INSIDE FLOOR
118		OUTSIDE RIGHT WALL HOOD	UPPER
119			LOWER
120		Built in wall shelving	Top Shelf
121			2ND
122			3RD
123		WALL below shelving	
124		COUNTER TOP	LEFT
125			RIGHT
126	✓		CUP HOLE

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
127	1350	Faucet - Gas Jets	
128		UNDER COUNTER Cabinet OUTER DOOR LEFT	
129			RIGHT
130			INSIDE DOORS LEFT
131			RIGHT
132			Inside FLOOR
133		UNDER COUNTER DRAWERS TOP OUTER FRONT	
134			INSIDE FLOOR
135			2ND OUTER FRONT
136			INSIDE FLOOR
137			3RD OUTER FRONT
138			INSIDE FLOOR
139			4TH OUTER FRONT
140			INSIDE FLOOR
141		INSIDE DOOR TO LAB 308	UPPER
142			LOWER
143		LEFT OFFICE OUTSIDE LEFT SLIDING GLASS DOOR INTO LEFT OFFICE	UPPER
144		RIGHT SLIDING GLASS DOOR " "	LOWER
145		RIGHT SLIDING GLASS DOOR	UPPER
146			LOWER
147		Fire Extinguisher	
148		INSIDE SLIDING GLASS DOOR LEFT	UPPER
149			LOWER
150			RIGHT UPPER
151			LOWER
152		LIGHT SWITCH	
153	✓	West WALL	UPPER LEFT

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
154	1458	UPPER RIGHT Half of LEFT WALL	
155		LEFT WALL SHELVING TOP LEFT	
156		TOP RIGHT	
157		2ND LEFT	
158		2ND RIGHT	
159		3RD LEFT	
160		3RD RIGHT	
161		Desk LEFT TOP	
162		MIDDLE TOP	
163		RIGHT TOP	
164		LEFT DRAWERS TOP OUTER	
165		INNER	
166		LOWER OUTER	
167		INNER	
168		RIGHT DRAWERS UPPER OUTER	
169		INNER	
170		MIDDLE OUTER	
171		INNER	
172		LOWER OUTER	
173		INNER	
174		LEFT OFFICE REAR WALL RADIATOR LEFT	
175		MIDDLE	
176		RIGHT	
177		RIGHT WALL UPPER	
178		LOWER	
179		Shelving UPPER LEFT	
180	✓	RIGHT	





Protocol# 9 - Room Decon.lsa

User: Peter Keefe

Lab Decon 118W W309

## Assay Definition-

Assay Description:  
Rad Room Monthly Swipes

Assay Type: CPM

Report Name: Report1

Output Data Path: C:\Packard\Tricarb\Results\Peter Keefe\Room Decon

Raw Results Path: C:\Packard\Tricarb\Results\Peter Keefe\Room Decon\20041101\_1658.results

Assay File Name: C:\Packard\TriCarb\Assays\Room Decon.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	7	29	
2	13	4	20	
3	17	8	30	
4	13	4	28	
5	24	8	38	
6	29	7	40	
7	20	6	29	
8	21	4	31	
9	32	11	49	
10	7	7	23	
11	22	10	41	
12	13	10	29	
13	6	4	18	

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14	11	5	20
15	12	5	21
16	15	1	18
17	8	4	15
18	21	6	32
19	5	7	17
20	11	7	25
21	16	4	22
22	20	5	29
23	14	9	27
24	8	6	17
25	16	11	37
26	12	10	25
27	10	7	21
28	9	11	23
29	9	14	28
30	14	9	27
31	7	9	22
32	8	7	17
33	12	11	30
34	12	4	22
35	10	7	18
36	22	8	44
37	9	9	22
38	13	5	28
39	11	9	25
40	12	11	26
41	8	6	18
42	18	8	31
43	15	7	32
44	9	9	26
45	11	7	23
46	22	7	34
47	13	6	27
48	11	5	21
49	14	8	30
50	6	12	22
51	14	7	27
52	12	11	24
53	5	10	23
54	19	8	38
55	7	8	22
56	14	6	27
57	8	11	23
58	18	1	24
59	5	4	11
60	9	6	20
61	19	6	31
62	13	7	26
63	17	5	31
64	14	7	23
65	16	2	26
66	22	5	35
67	16	9	31
68	13	6	24
69	18	11	36
70	19	9	32
71	8	4	14
72	10	2	16
73	17	3	25
74	26	3	34
75	12	4	25
76	13	8	26

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User: Peter Keefe

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77	11	8	27
78	16	13	33
79	16	6	25
80	15	8	29
81	12	2	16
82	24	4	34
83	18	1	27
84	10	1	11
85	0	7	16
86	13	6	26
87	17	7	36
88	8	9	22
89	19	4	27
90	13	12	34
91	20	6	31
92	13	7	26
93	7	2	16
94	8	4	16
95	13	12	31
96	13	5	21
97	11	4	25
98	10	9	25
99	22	7	36
100	9	3	15
101	18	9	33
102	13	6	25
103	10	2	17
104	10	7	25
105	19	8	31
106	8	4	20
107	9	6	23
108	21	5	30
109	7	6	17
110	18	4	30
111	13	6	23
112	24	8	37
113	12	5	23
114	7	5	17
115	14	8	25
116	12	8	27
117	12	6	19
118	12	7	26
119	11	4	21
120	14	5	21
121	12	11	27
122	11	5	19
123	14	7	26
124	8	6	23
125	12	9	25
126	11	9	26
127	9	2	20
128	14	6	27
129	11	6	22
130	12	8	26
131	10	10	24
132	20	7	30
133	7	9	20
134	9	9	21
135	16	9	29
136	14	8	24
137	12	10	24
138	14	5	25
139	12	7	26

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User: Peter Keefe

Lab Decon 118W W309

140	9	11	24
141	16	7	30
142	9	7	22
143	8	6	21
144	15	8	30
145	7	8	18
146	15	2	21
147	13	5	29
148	14	10	31
149	13	11	33
150	16	11	32
151	7	6	17
152	7	2	16
153	19	6	29
154	13	3	21
155	10	7	24
156	14	11	28
157	18	9	34
158	12	5	22
159	11	7	29
160	18	7	29
161	17	4	31
162	11	6	25
163	17	3	26
164	8	5	20
165	12	7	25
166	8	10	22
167	15	6	25
168	13	11	32
169	9	5	20
170	21	7	32
171	12	10	27
172	6	10	24
173	13	4	23
174	8	5	16
175	9	5	17
176	16	9	29
177	16	4	29
178	16	8	31
179	10	5	19
180	5	7	17
181	17	8	27
182	16	9	31
183	11	4	20
184	15	8	25
185	15	5	26
186	13	5	25
187	5	7	20
188	7	5	17
189	3	5	17
190	20	6	28
191	22	5	31
192	13	5	21
193	8	7	23
194	12	10	25
195	10	7	26
196	11	5	18
197	19	5	30
198	10	2	13
199	19	7	29
200	13	3	20

~~Missing vial 201.~~~~Missing vial 202. Deleted~~

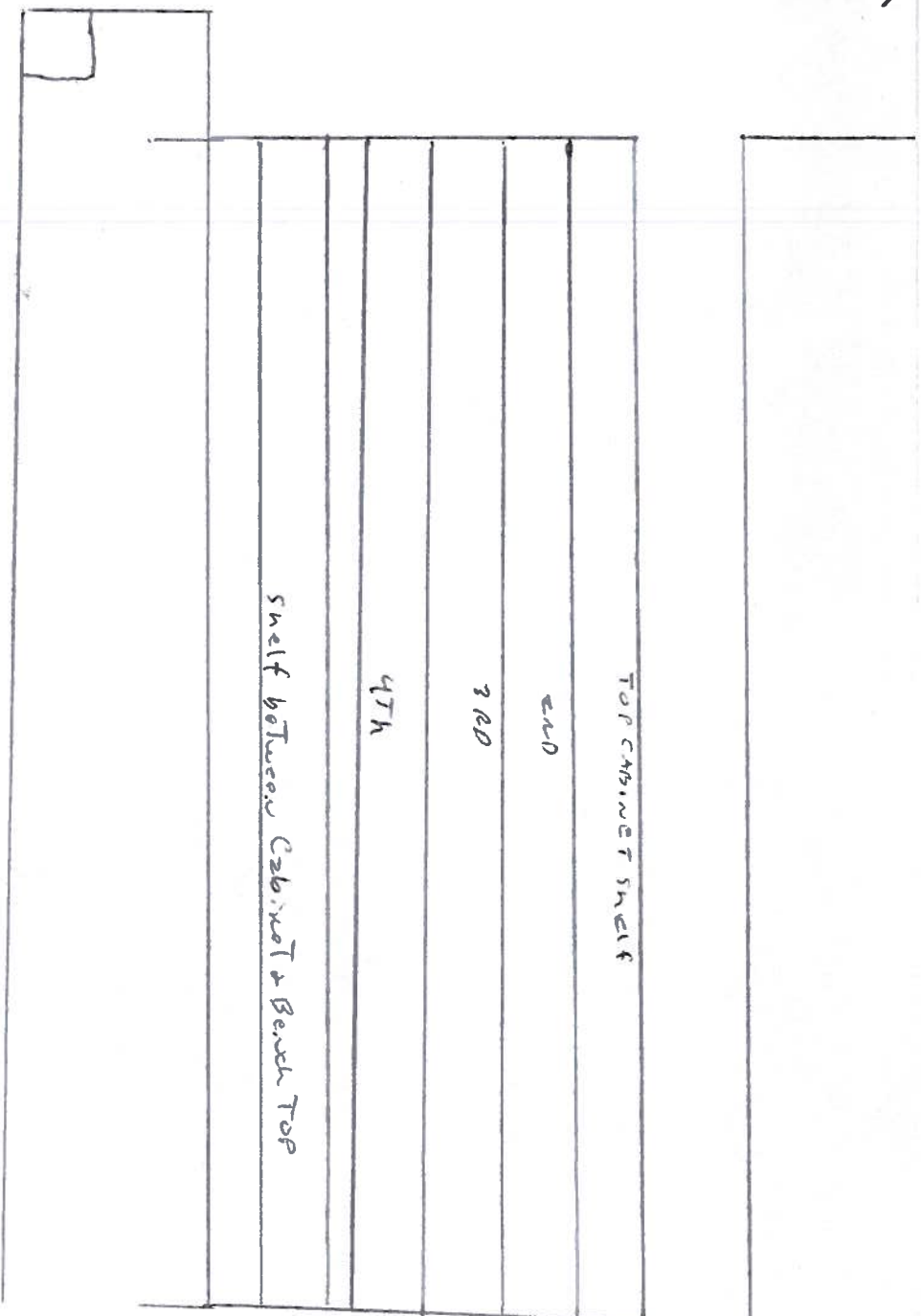
179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164

198	199	200
194	195	196
197	198	199

141  
142

011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	026	027	028	029	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	051	052	053	054	055	056	057	058	059	060	061	062	063	064	065	066	067	068	069	070	071	072	073	074	075	076	077	078	079	080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095	096	097	098	099	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
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Below Hood CABINETS



All SURFACES surveyed with Ludlum 2241  
AND FOUND TO BE WITHIN limits.

*[Signature]*  
P. KEEFE

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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