

## Radiological Survey Sheet

Job Location Pfizer, Inc. Groton, Ct. 06340 Page 1 of 12

Survey Purpose De-commissioning DYORA Date 3/27/13

Performed by DAVID DURICE  (Print) (Sign)

<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>	03/05/2013	03/05/2013	04/17/2013	
<b>Check Instruments Used</b>		✓	✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
1.	1450	BACKGROUND	
2.	↓	upper side of Hood	
3.		lower side of Hood	
4.		upper wall	
5.		lower wall	
6.		upper wall	
7.		lower wall	
8.		upper door	
9.		lower door	
10.		upper wall	
11.		lower wall	
12.		upper wall	
13.		lower wall	
14.		Floor	
15.		Floor	
16.		Floor	
17.		Floor	
18.		Floor	

# Radiological Survey Continuation Sheet

Page 2 of 12

Date 3/27/13

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
19		Floor	
20		Floor	
21		Floor	
22		Floor	
23		Floor	
24		Floor	
25		Floor	
26		Floor	
27		Floor	
28		Floor	
29		Floor	
30		Floor	
31		Floor	
32		Floor	
33		Floor	
34		Floor	
35		Floor	
36		Floor	
37		Floor	
38		Lower wall floor	
39		Lower wall floor	
40		Lower wall	
41		Lower wall	
42		Lower wall	
43		SIDE OF CABINET	
44		SIDE OF CABINET	
45		SIDE OF CABINET	

# Radiological Survey Continuation Sheet

Page 3 of 12

Date 3/27/13

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
46		SINK	
47		SINK DRAIN LINE	
48		COUNTER	
49		COUNTER	
50		COUNTER	
51		COUNTER	
52		UPPER WALL	
53		UPPER WALL	
54		UPPER WALL	
55		UPPER WALL	
56		FRONT OF CABINET	
57		INSIDE CABINET	
58		FRONT OF DRAWERS	
59		TOP LEFT DRAWER	
60		BOTTOM LEFT DRAWER	
61		TOP RIGHT DRAWER	
62		BOTTOM RIGHT DRAWER	
63		DRAWER	
64		BOTTOM DRAWER	
65		FRONT OF DRAWERS	
66		TOP LEFT DRAWER	
67		RIGHT DRAWER	
68		TOP SHELF CABINET	
69		BOTTOM SHELF CABINET	
70		SIDE OF CABINET	
71		UPPER WALL	
72	↓	LOWER WALL	

# Radiological Survey Continuation Sheet

Page 4 of 12

Date 3/27/13

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
73		UPPER DOOR	
74		LOWER DOOR	
75		UPPER WALL	
76		LOWER WALL	
77		FRONT OF DRAWERS	
78		TOP DRAWER	
79		DRAWER	
80		DRAWER	
81		BOTTOM DRAWER	
82		COUNTER	
83		UPPER WALL	
84		UPPER WALL	
85		WINDOW SILL	
86		UPPER WALL	
87		COUNTER	
88		COUNTER	
89		COUNTER	
90		UPPER WALL	
91		UPPER WALL	
92		WINDOW SILL	
93		UPPER WALL	
94		WINDOW SILL	
95		UPPER WALL	
96		OUTLET STRIP	
97		OUTLET STRIP	
98		FRONT OF CABINET	
99		LEFT DRAWER	

# Radiological Survey Continuation Sheet

Page 5 of 12

Date 3/27/13

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
100		RIGHT DRAINAGE	
101		TOP SHELF CABINET	
102		BOTTOM SHELF CABINET	
103		FRONT OF DRAINAGE	
104		TOP DRAINAGE	
105		DRAINAGE	
106		DRAINAGE	
107		BOTTOM DRAINAGE	
108		UPPER WALL	
109		LOWER WALL	
110		UPPER WALL	
111		LOWER WALL	
112		SIDE OF CABINET	
113		CUP SINK DRAIN	
114		HOOD FRAME	
115		LEFT SIDE OF HOOD	
116		UPPER WALL	
117		UPPER WALL	
118		HOOD CONTROL LEFT	
119		HOOD CONTROL RIGHT	
120		HOOD LIP	
121		RIGHT FRONT HOOD	
122		LEFT FRONT HOOD	
123		UPPER FRAMES HOOD	
124		RIGHT FRONT HOOD	
125		HOOD LIP	
126	↓	LEFT FRONT HOOD	

# Radiological Survey Continuation Sheet

Page 6 of 12

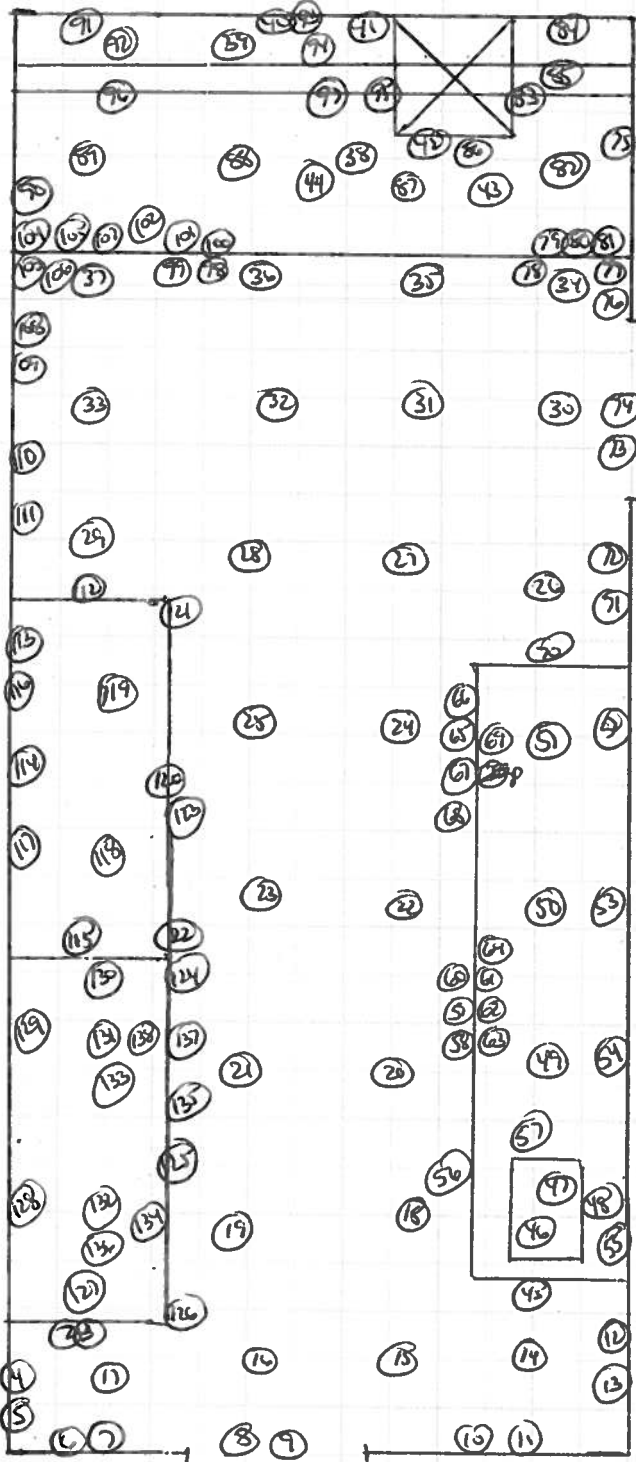
Date 3/27/13

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
127		LEFT SIDE HOOD	
128		BACK LEFT HOOD	
129		BACK RIGHT HOOD	
130		RIGHT SIDE HOOD	
131		HOOD CURTAIN RIGHT	
132		HOOD CURTAIN LEFT	
133		TOP OF HOOD	
134		INSIDE SASH	
135		OUTSIDE SASH	
136		INSIDE CABINET	
137		OUTSIDE CABINET	
138		INSIDE CABINET	✓ ( <del>See # 10 on form dated 3/27/13</del> ) (See #144)
139		FRONT OF CABINET	
140		INSIDE CABINET	
141		FRONT OF CABINET	
142		INSIDE CABINET	
143	V	CUP SINK DRAIN	
144	0829	POST DETN # 138	

7/8/13

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Page 7 of 12  
Date: 3/27/13



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8.6 12

Assay Definition-

Assay Description:  
Background check for PM Lab (Mikey)

Assay Type: CPM  
Report Name: Report1  
Output Data Path: C:\Packard\Tricarb\Results\bc\bills swipes  
Raw Results Path: C:\Packard\Tricarb\Results\bc\bills swipes\20130327\_1504\20130327\_1504.results  
RTF File Name: C:\Packard\Tricarb\Results\bc\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	PID	Custom1
1	14	4	25		28	
2	12	5	22		28	
3	7	4	13		28	
4	15	10	26		28	
5	21	15	38		28	
6	13	8	24		28	
7	27	20	53		28	
8	6	14	23		28	
9	21	8	34		28	
10	11	6	21		28	
11	14	7	24		28	



Protocol# 3 - bills swipes.lsa

12	16	6	26	28
13	20	17	41	28
14	28	17	50	28
15	8	14	31	28
16	43	14	62	28
17	22	18	47	28
18	43	38	82	28
19	41	16	62	2
20	14	14	34	2
21	27	17	48	2
22	31	20	53	2
23	14	10	28	2
24	21	23	46	2
25	30	10	45	2
26	11	9	22	2
27	19	6	27	2
28	20	9	31	2
29	26	7	38	2
30	20	11	33	2
31	15	6	26	2
32	17	10	31	2
33	27	14	43	2
34	35	12	52	2
35	17	6	25	2
36	9	10	26	2
37	29	11	49	9
38	14	20	38	9
39	19	8	30	9
40	17	4	26	9
41	16	14	33	9
42	12	4	21	9
43	12	7	23	9
44	6	6	15	9
45	22	7	33	9
46	28	13	49	9
47	21	8	31	9
48	30	15	47	9
49	23	6	30	9
50	12	9	32	9
51	18	7	29	9
52	0	4	9	9
53	18	7	28	9
54	12	9	27	9
55	0	6	14	18
56	24	10	38	18
57	16	8	25	18
58	31	38	77	18
59	0	6	8	18
60	12	13	31	18
61	21	6	30	18
62	10	11	24	18
63	19	4	24	18
64	3	13	18	18
65	3	9	15	18
66	17	10	31	18
67	27	5	35	18
68	22	11	38	18
69	15	9	28	18
70	8	5	16	18
71	10	6	19	18
72	12	7	22	18
73	7	7	18	17
74	10	5	22	17

75	1	9	13	17
76	17	5	28	17
77	24	10	38	17
78	4	20	26	17
79	14	5	23	17
80	17	6	28	17
81	17	7	25	17
82	8	5	16	17
83	13	3	19	17
84	19	12	31	17
85	9	6	19	17
86	6	5	13	17
87	28	5	38	17
88	10	6	18	17
89	26	5	34	17
90	13	5	25	17
91	27	13	48	25
92	14	6	29	25
93	24	8	37	25
94	18	8	36	25
95	27	9	41	25
96	17	6	25	25
97	19	7	28	25
98	15	8	26	25
99	18	7	30	25
100	7	7	19	25
101	15	5	26	25
102	15	10	29	25
103	13	7	23	25
104	15	6	23	25
105	12	11	27	25
106	18	5	28	25
107	1	3	12	25
108	17	10	30	25
109	7	14	28	36
110	17	7	30	36
111	23	7	34	36
112	18	6	28	36
113	5	5	10	36
114	17	8	30	36
115	15	12	30	36
116	4	7	13	36
117	17	7	29	36
118	14	3	19	36
119	11	10	27	36
120	15	12	35	36
121	16	4	22	36
122	22	8	35	36
123	19	9	30	36
124	3	8	16	36
125	23	7	31	36
126	6	6	13	36
127	17	20	41	10
128	12	10	26	10
129	21	17	42	10
130	15	9	26	10
131	20	10	34	10
132	15	10	33	10
133	29	6	39	10
134	23	28	56	10
135	6	5	16	10
136	17	13	39	10
137	23	21	50	10

138	147	175	325	10 ✓
139	18	5	25	10
140	38	15	59	10
141	15	5	25	10
142	11	9	23	10

Monthly Swipes

Assay Definition-

Assay Description:

Assay Type: CPM

Report Name: Report1

Output Data Path: C:\Packard\Tricarb\Results\6616 F440\Monthly swipes\20130708\_0847

Raw Results Path: C:\Packard\Tricarb\Results\6616 F440\Monthly swipes\20130708\_0847\20130708\_0847.results

Assay File Name: C:\Packard\TriCarb\Assays\Monthly swipes.lsa

Count Conditions-

Nuclide: 3H-14C-OPEN

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	6	27	
2	11	5	20	