

Radiological Survey Sheet

Job Location Pfizer, Inc. Groton, Ct. 06340 118 B/B 202 B Page 1 12

Survey Purpose ^{EPA} ~~Radiologic Survey of Equipment~~ LAB decomm. Date 1-23-13

Performed by E. GAILOR (Print) E. Gailor (Sign)

Instrument (Model/S/N)	Packard Tri-Carb S/N 431521	Packard Tri-Carb S/N 431520	Ludlum 2241-2 163603	Wallac Model 1409 S/N 4061042
Det. (Model/SN)	Internal	Internal	Ludlum 43-68 PR 149613	Internal
Type Rad.	β	β	β	β
Cal. Due:	03/05/2013	03/05/2013	04/17/2013	09/15/2012
Check Instruments Used	✓		✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
1.	0845	BACKGROUND	
2.		door	
3.		FLOOR	
4.		UPPER WALL	
5.		LOWER "	
6.		UPPER "	
7.		LOWER "	
8.		UPPER "	
9.		LOWER "	
10.		CAB DOORS	
11.		" TOP SHELF	
12.		" 2ND "	
13.		" 3RD "	
14.		" BOTTOM "	
15.		SINK AREA	
16.		" DRAIN	
17.		WALL	
18.		BENCH	

Radiological Survey Continuation Sheet

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Date 1-23-13

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
19	5845	CAB DOORS	
20		" INSIDE	
21		" TOP dWR	
22		" 2ND "	
23		" 3RD "	
24		" 4TH "	
25		Hood LEFT ^{RIGHT} END ^{SIDE}	
26		" " BACK	
27		" " VENTS	
28		" LEFT ^{RIGHT} BACK	
29		" " VENTS	
30		" " SIDE	
31		" RIGHT BOTTOM	
32		" " "	
33		" LEFT "	
34		" " "	
35		" RIGHT HOOD SASY	
36		" LEFT " "	
37		" RIGHT " HIP	
38		" LEFT " "	
39		CAB DOORS	
40		" INSIDE	
41		" DOORS	
42		" INSIDE	
43		" DOORS	
44		" TOP SHELF	
45	✓	" BOTTOM "	

Radiological Survey Continuation Sheet

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
46	0845	SIDE OF HOOD	
47		UPPER WALL	
48		LOWER "	
49		UPPER "	
50		LOWER "	
51		UPPER "	
52		LOWER "	
53		UPPER "	
54		LOWER "	
55		UPPER "	
56		LOWER "	
57		UPPER "	
58		LOWER "	
59		PEG BOARD	
60		SINK AREA	
61		" DRAIN	
62		FLOOR	
63		SHelf	
64		BENCH	
65		"	
66		"	
67		"	
68		"	
69		TOP DRAW	
70		2ND "	
71		3RD "	
72	✓	4TH "	

Radiological Survey Continuation Sheet

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
73	0845	DWR	
74		TOP "	
75		2ND "	
76		3RD "	
77		4TH "	
78		TOP dWR	
79		2ND "	
80		3RD "	
81		4TH "	
82		FLOOR	
83		"	
84		"	
85		"	
86		"	
87		"	
88		"	
89		"	
90		"	
91		"	
92		"	
93		"	
94		"	
95		"	
96		"	
97		UPPER WALL	
98		LOWER "	
99	✓	UPPER "	

Radiological Survey Continuation Sheet

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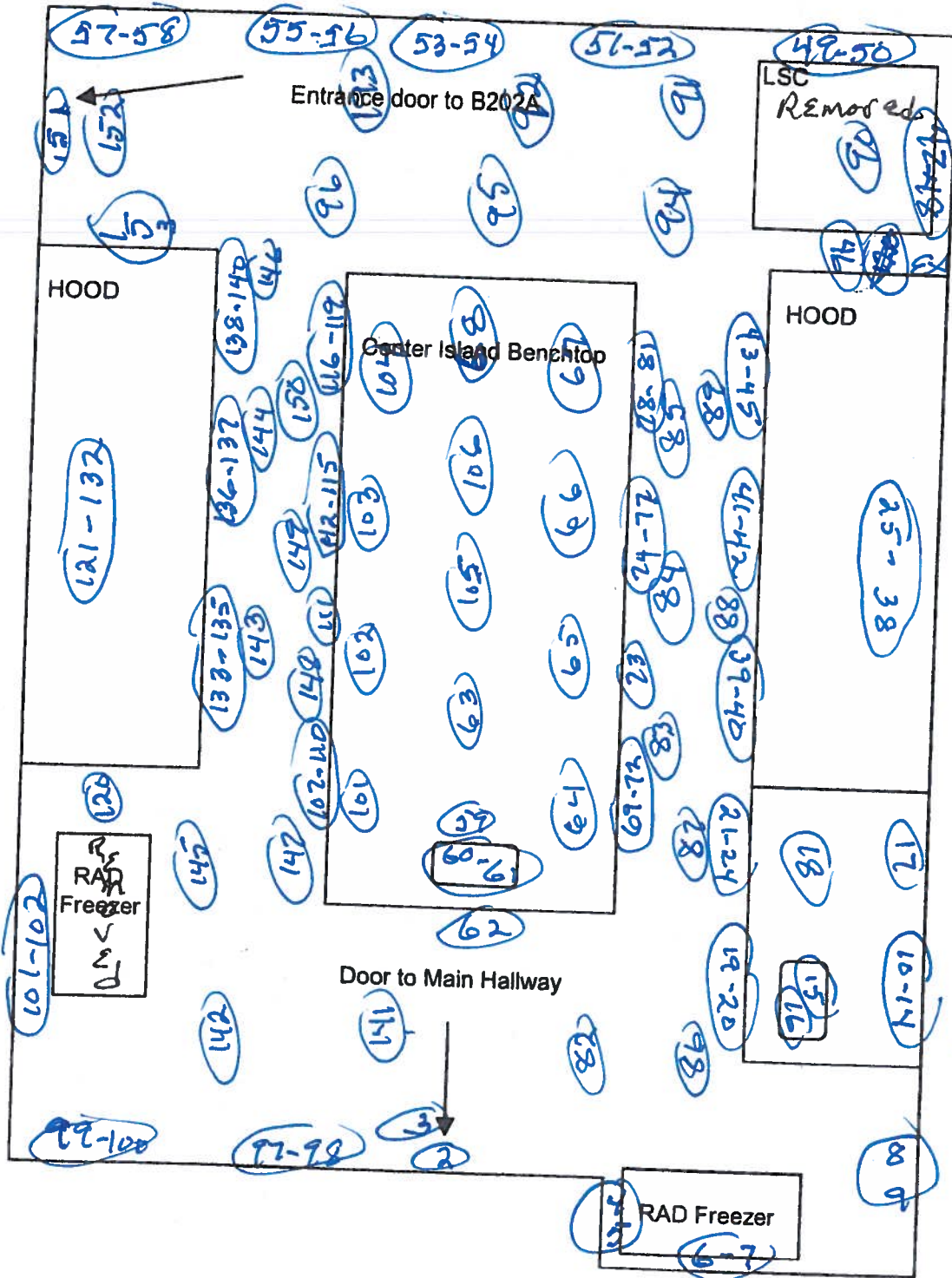
No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
100	0845	LOWER WALL	
101		BENCH	
102		"	
103		"	
104		"	
105		"	
106		"	
107		TOP dwr	
108		2ND "	
109		3RD "	
110		4TH "	
111		dwr	
112		TOP dwr	
113		2ND "	
114		3RD "	
115		4TH "	
116		TOP "	
117		2ND "	
118		3RD "	
119		4TH "	
120		SIDE OF HOOD	^{ED} LEFT ^{OUT SIDE} INSIDE ED
121		HOOD LEFT SIDE	
122		" "	BACK
123		" "	BOTTOM
124		" "	VENTS
125		" "	MIDDLE BOTTOM
126		" "	RIGHT BACK

Radiological Survey Continuation Sheet

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Date 1-23-13

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
127	0845	Hood RIGHT VENTS	
128		" " BOTTOM	
129		" LEFT SASH	
130		" RIGHT "	
131		" LEFT LIP	
132		" RIGHT "	
133		CAB DOORS	
134		" TOP SHELF	
135		" BOTTOM "	
136		" DOOR	
137		" INSIDE	
138		" DOOR	
139		" TOP SHELF	
140		" BOTTOM "	
141		FLOOR	
142		"	
143		"	
144		"	
145		"	
146		"	
147		"	
148		"	
149		"	
150		"	
151		door	
152		FLOOR	
153	✓	SIDE OF HOOD	



Lab Decon 118 212

Assay Definition-

Assay Description:
Decon D408-410

Assay Type: CPM
Report Name: Report1
Output Data Path: C:\Packard\Tricarb\Results\Pete Keefe\Room Decon\20130124_0554
Raw Results Path: C:\Packard\Tricarb\Results\Pete Keefe\Room Decon\20130124_0554\20130124_0554.results
RTF File Name: C:\Packard\Tricarb\Results\Pete Keefe\Room Decon\20130124_0554\Lab Decon 118 237.rtf
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	6	6	13	
2	11	8	28	
3	11	9	22	
4	15	13	33	
5	5	7	18	
6	15	7	26	
7	8	8	19	
8	10	7	24	
9	12	4	23	
10	4	2	11	

Lab Decon 118 212

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

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74	3	7	13
75	14	6	26
76	14	4	27
77	6	9	16
78	10	8	25
79	1	3	8
80	9	11	26
81	4	9	17
82	13	3	21
83	12	6	27
84	13	9	24
85	4	9	18
86	14	8	28
87	7	6	18
88	6	9	18
89	15	6	25
90	6	10	21
91	2	8	13
92	7	7	16
93	15	2	21
94	13	12	29
95	12	4	20
96	5	7	14
97	16	6	23
98	15	4	24
99	3	6	15
100	5	5	10
101	7	10	19
102	12	7	24
103	10	8	22
104	18	2	24
105	5	6	17
106	12	4	28
107	7	6	17
108	10	8	24
109	9	8	20
110	4	7	16
111	12	14	34
112	12	1	15
113	583	1198	1786
114	7	8	16
115	15	5	23
116	7	9	19
117	7	7	14
118	12	4	20
119	11	7	24
120	9	11	24
121	12	9	23
122	9	7	19
123	8	10	24
124	5	9	17
125	13	3	24
126	12	8	24
127	13	5	22
128	11	7	20
129	9	9	21
130	10	5	22
131	7	8	19
132	15	7	23
133	12	6	22
134	13	6	23
135	8	9	24
136	11	5	21

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QuantaSmart (TM) - 2.03 - Serial# 431521

Protocol# 5 - Room Decon.lsa

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Lab Decon 118 212

User: Pete Keefe

137	12	5	23
138	9	12	28
139	12	6	23
140	8	4	17
141	3	10	21
142	12	6	20
143	13	8	24
144	6	8	18
145	16	6	25
146	9	8	20
147	6	5	18
148	8	7	17
149	10	11	22
150	12	12	28
151	16	6	32
152	11	12	25
153	14	7	26

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\20130219_1438\20130219_1438.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

#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	PID	Custom1
1	16	5	22	BKCD	7	
2	0	9	16		7	Inside Drawer Post Decon
3	9	11	22		7	Outside Drawer Post Decon

Radiological Survey Sheet

Job Location Pfizer, Inc. Groton. Ct. 06340 118B/B202B 1 of 4

Survey Purpose Post Decon Rad Survey of Lab Date 2/5/2013

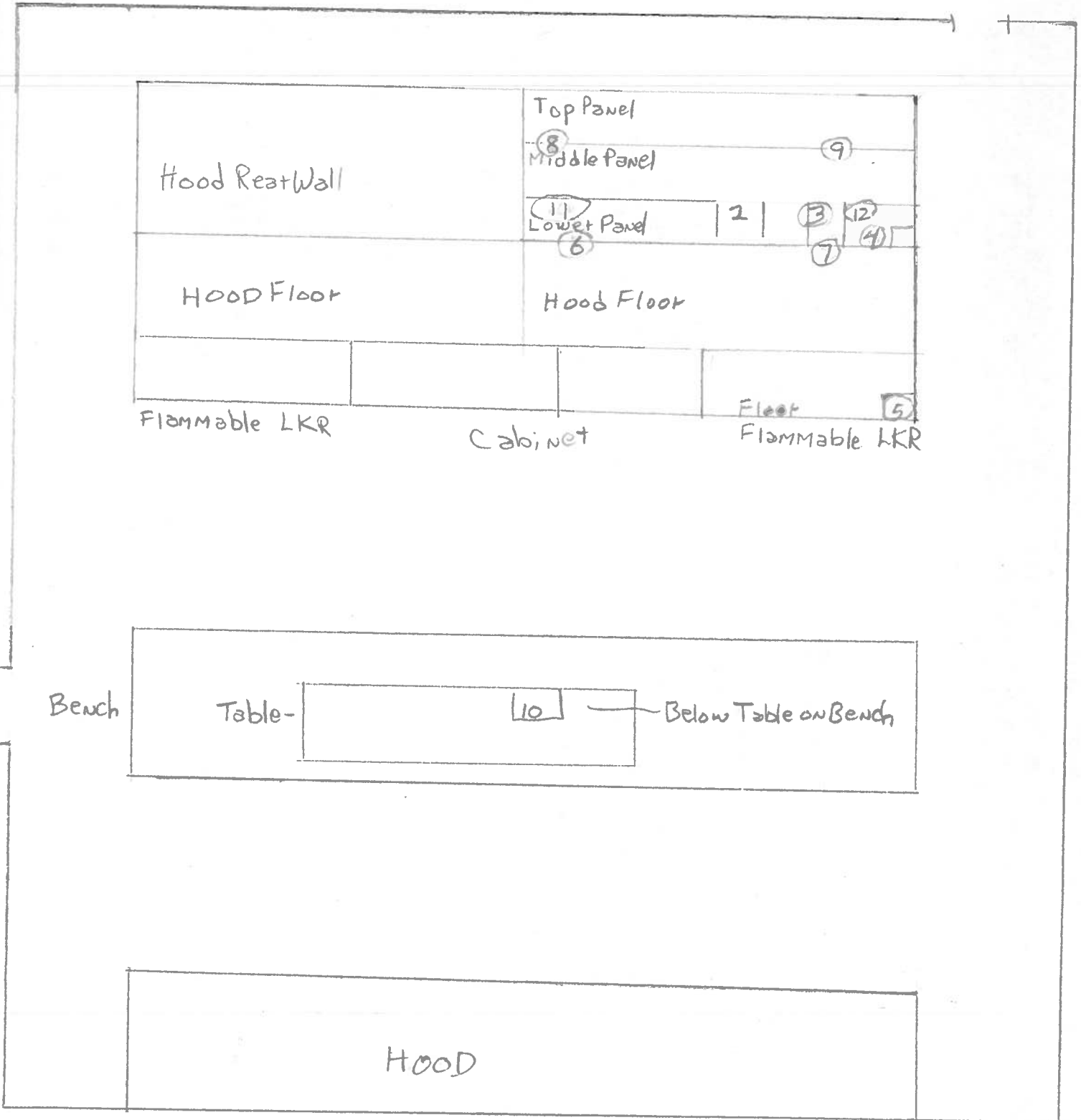
Performed by William H. Calver William H. Calver
 (Print) (Sign)

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:	03/05/2013	03/05/2013	04/17/2013	
Check Instruments Used		✓	✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
1.	0930	BACKGROUND	
2.		Inside Hood Back Wall Rt Side Middle Panel	
3.		" " "	
4.		Rt Wall	
5.		Floor of RT Flammable locker	
6.		Lt Bottom of lower Back Wall Panel	
7.		RT " " " " " "	
8.		Lt Bottom of Upper Back Wall Panel	
9.		RT " " " " " "	
10.		Mid Lab Bench Rear Wall end below Top Table	
11.		Lt Bottom of Middle Rear Wall Panel ^{Lt Hood}	
12.	✓	RT Bottom of Middle Rear Wall Panel	
13.			
14.			
15.			
16.			
17.			
18.			

118B/B202B

— Surveyed 100% of surfaces using 43-68. All surfaces surveyed were at normal background levels, with the exceptions noted below.



Note: Swipes # 2-12 were satisfactory. Surrey Meter results for #s 2, 3, 5 + 10 were out of spec high. Post Decon, (a random) #10 is still contaminated. #s 3, 5 + 10 are satisfactory. WAC

Assay Definition-

Assay Description:

Background check for PM Lab (Mikey)

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\20130205_1128\20130205_1128.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

Regions	Half Life	Units	Reference Date	Reference Time
A				
B				
C				

Cycle 1 Results

S#	CPMA	CPMB	CPMC	MESSAGES	PID	Custom1
1	12	7	22		2	
2	10	6	19		2	
3	4	8	15		2	
4	13	2	20		2	
5	10	7	23		2	
6	13	8	24		2	
7	15	10	30		2	
8	6	6	16		2	
9	6	5	15		2	
10	13	1	17		2	
11	7	6	20		2	

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QuantaSmart (TM) - 2.03 - Serial# 431520

Protocol# 2 - bills swipes.lsa

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User: bill

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