

Radiological Survey Sheet

Job Location Pfizer, Inc. Groton, Ct. 06340 1180 / 2408 Page 1 20

Survey Purpose Radiologic Survey of Equipment Date 1/13/13

Performed by DAND DUKOR [Signature]
 (Print) (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.	1015	BACKGROUND	
2.	↓	Floor F1	✓ (See #152)
3.		Floor F2	
4.		Floor F3	
5.		Floor F4	
6.		Floor F5	✓ (See #153)
7.		Floor F6	✓ (See #154)
8.		Floor F7	
9.		Floor F8	
10.		Floor F9	
11.		Floor F10	
12.		Floor F11	✓ (See #155)
13.		Floor F12	-
14.		Floor F13	-
15.		Floor F14	
16.		Floor F15	
17.		Floor F16	✓ (See #156)
18.		Floor F17	

Radiological Survey Continuation Sheet

Page 2 of 20

Date 1/18/13

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
19		Floor F18	
20		Floor F19	
4		Wall W1	
22		Wall W2	
23		Wall W3	
24		Wall W4	
25		Wall W5	
26		Wall W6	
27		Wall W7	
28		Wall W8	
29		Wall W9	
30		Wall W10	
31		Wall W11	
32		Wall W12	
33		Wall W13	
34		Wall W14	
35		Wall W15	
36		Wall W16	
37		Wall W17	
38		Wall W18	
39		Wall W19	
40		Wall W20	
41		Wall W21	
42		Wall W22	
43		Wall W23	
44		Wall W24	
45		Wall W25	

Radiological Survey Continuation Sheet

Page 3 of 20

Date 1/15/13

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
46		W111 W26	
47		W111 W27	
48		W111 W28	
49		W111 W29	
50		W111 W30	
51		W111 W31	✓ (See # 157)
52		W111 W32	
53		W111 W33	
54		W111 W34	
55		W111 W35	
56		W111 W36	
57		W111 W37	
58		W111 W38	✓ (See # 158)
59		W111 W39	
60		W111 W40	
61		W111 W41	
62		W111 W42	✓ (See # 159)
63		W111 W43	
64		W111 W44	
65		W111 W45	
66		W111 W46	
67		W111 W47	
68		W111 W48	
69		W111 W49	✓ (See # 160)
70		W111 W50	
71		W111 W51	
72		W111 W52	

Radiological Survey Continuation Sheet

Page 4 of 20

Date 11/18/13

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
73		W411 W53	
74		W411 W54	
75		W411 W55	✓ (See # 161)
76		W411 W56	✓ (See # 162)
77		W411 W57	
78		W411 W58	
79		W411 W59	
80		W411 W60	
81		W411 W61	
82		W411 W62	
83		W411 W63	
84		W411 W64	
85		W411 W65	
86		W411 W66	
87		W411 W67	
88		W411 W68	
89		W411 W69	
90		W411 W70	
91		W411 W71	
92		W411 W72	
93		W411 W73	
94		W411 W74	
95		W411 W75	
96		W411 W76	
97		W411 W77	
98		W411 W78	
99	↓	W411 W79	

Radiological Survey Continuation Sheet

Page 5 of 20

Date 1/18/13

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
100		W#11 W80	
101		W#11 W81	
102		W#11 W82 ✓	(See # 103)
103		W#11 W83 ✓	(See # 104)
104		TOP Shelf S1	
105		BOTTOM Shelf S1	
106		TOP Shelf S2	
107		BOTTOM Shelf S2	
108		COUNTER	
109		SINK	
110		SINK DRAIN	
111		CABINET C1	
112		CABINET C2	
113		CABINET C3	
114		INSIDE CABINET C2	
115		INSIDE CABINET C3	
116		Shelf S3	
117		Shelf S4	
118		Shelf S5	
119		Shelf S6 ✓	(See # 105)
120		Shelf S7	
121		Shelf S8	
122		Shelf S9	
123		Shelf S10	
124		Shelf S11	
125		Shelf S12	
126	↓	Shelf S13	

Radiological Survey Continuation Sheet

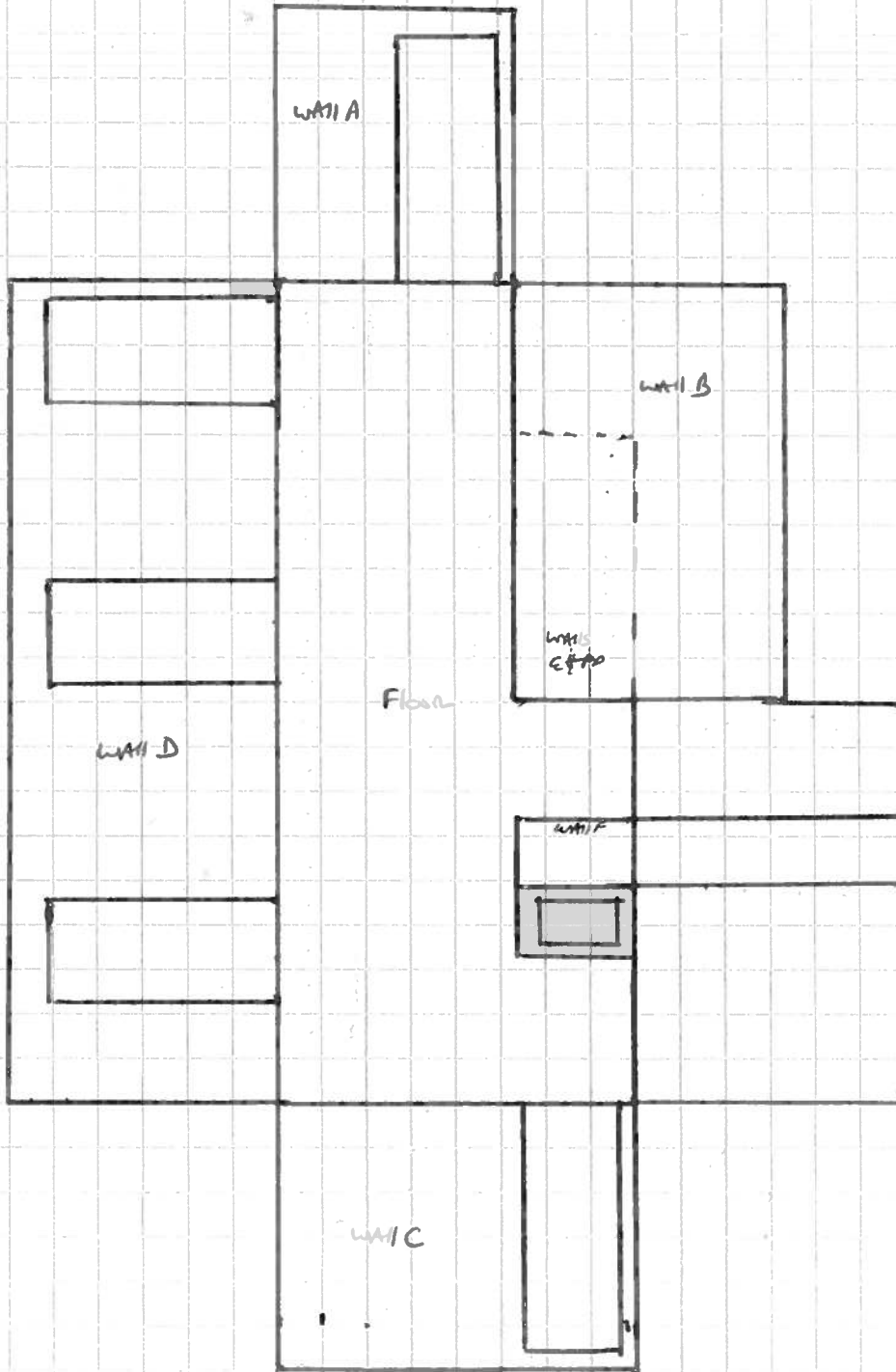
Page 6 of 20

Date 1/18/13

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
127		Shelf S14	
128		Shelf S15	
129		Shelf S16	
130		Shelf S17	
131		Shelf S18	
132		Shelf S19	
133		Shelf S20	
134		Shelf S21	
135		Shelf S22	
136		Shelf S23	
137		Shelf S24 ✓	(See # 166)
138		Seat 1	
139		Seat BASE 1	
140		Seat 2	
141		Seat BASE 2	
142		Seat 3	
143		Seat BASE 3 ✓	(See # 167)
144		WALL S4	
145		WALL S5	
146		FANLOT	
147		INSIDE DOOR	
148		INSIDE DOOR	
149		INSIDE DOOR	
150		INSIDE DOOR	
151	↓	Shelf S25	
152	1700	POST DECK # 2	
153	↓	POST DECK # 6	

1180/D408

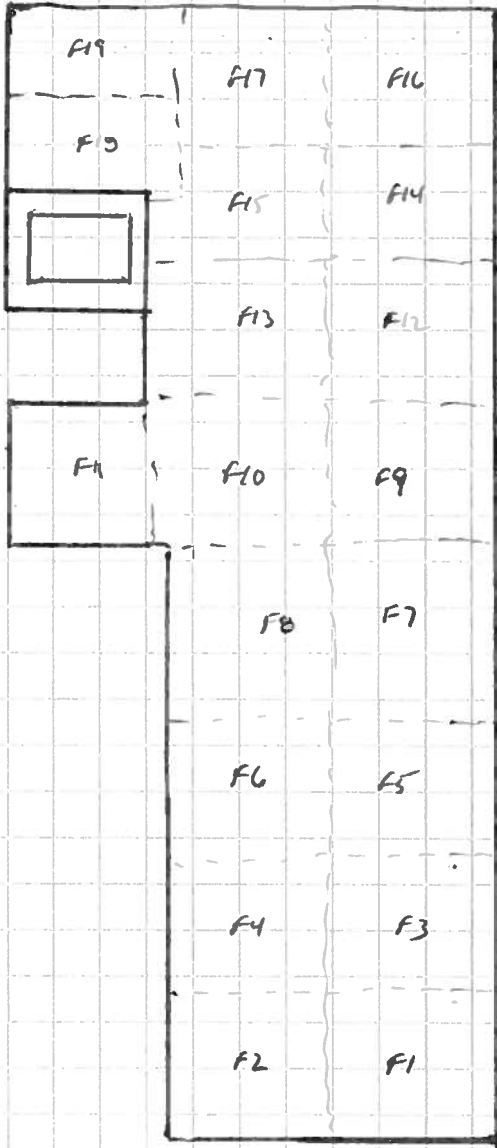
Page 8 of 20
DATE: 1/18/13



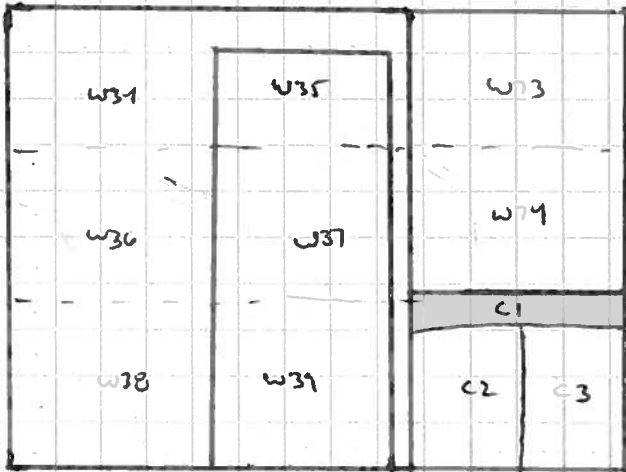
1180/DYLB

page 9 of 20
DATE: 1/18/13

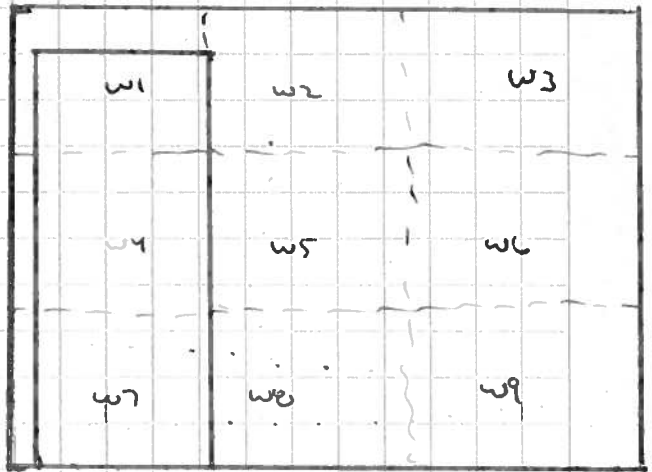
FLOOR



WAI A



WAI C

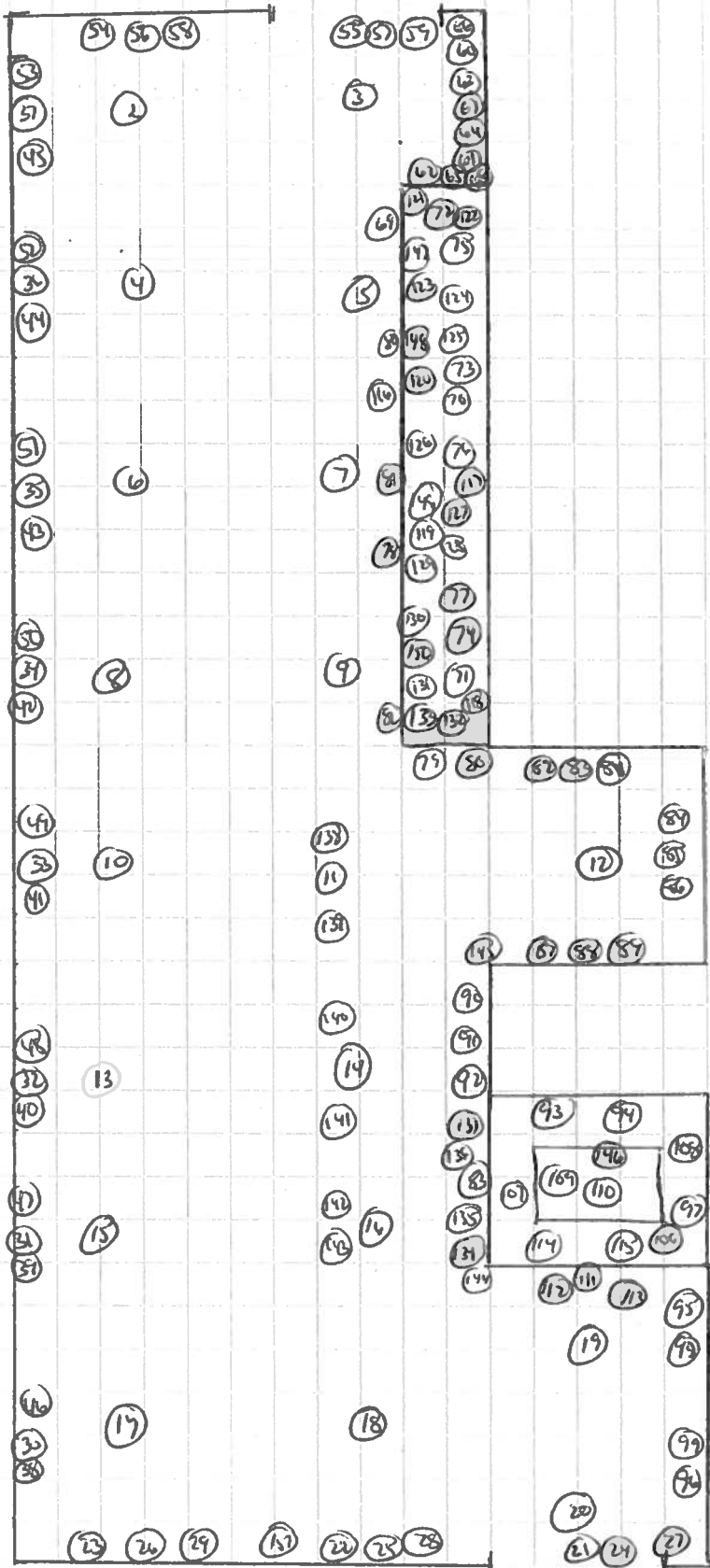


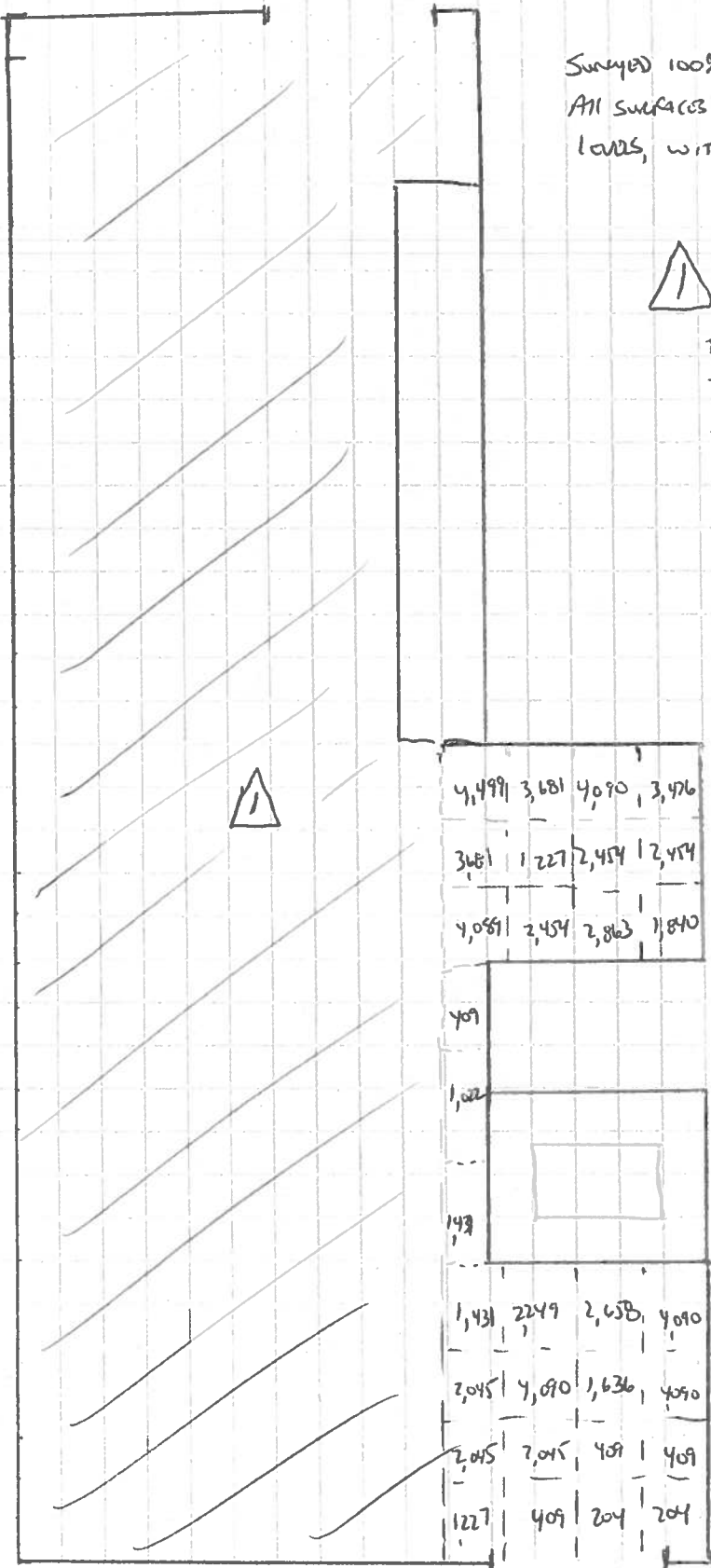
WAI E




WAI F







Surveyed 100% of lower surfaces using 43-68.
 All surfaces surveyed were at normal background levels, with the following exceptions:

 MASONRY OF FLOOR CONTAMINATED TO A ~~LEVEL~~ OF MAXIMUM LEVEL OF 262,168 dpm/100cm². Floor Decontaminated TO A MAXIMUM LEVEL OF 4499 dpm/100cm².

Equipment Swipes 220 236 Area

Assay Definition-

Assay Description:
Decon D408-410

Assay Type: CPM
Report Name: Report1
Output Data Path: C:\Packard\Tricarb\Results\Bill Calver\Room Decon\20130118_1027
Raw Results Path: C:\Packard\Tricarb\Results\Bill Calver\Room Decon\20130118_1027\20130118_1027.results
RTF File Name: C:\Packard\Tricarb\Results\Bill Calver\Room Decon\20130118_1027\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 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	7	8	19	
2	169	124	295	-
3	19	14	37	
4	19	12	40	
5	25	17	44	
6	88	31	121	-
7	68	51	123	-
8	40	27	69	
9	41	21	64	
10	36	27	69	

Protocol# 2 - Room Decon.lsa

User: Bill Calver

Equipment Swipes 220 236 Area

11	26	9	38
12	92	58	153
13	56	30	90
14	45	29	79
15	16	8	28
16	17	21	41
17	551	157	711
18	46	26	74
19	34	20	60
20	32	18	56
21	21	10	31
22	13	9	26
23	12	7	21
24	14	1	21
25	8	13	24
26	14	11	30
27	15	2	25
28	14	11	32
29	25	19	44
30	15	8	28
31	11	5	23
32	14	5	23
33	34	12	52
34	12	21	34
35	18	16	38
36	40	18	62
37	8	11	24
38	15	2	21
39	20	29	50
40	13	13	31
41	13	0	17
42	38	19	58
43	27	28	61
44	11	13	29
45	47	26	75
46	37	10	49
47	18	5	25
48	51	22	78
49	27	31	61
50	30	29	60
51	54	67	124
52	18	12	36
53	25	22	47
54	16	15	39
55	20	20	44
56	17	10	31
57	19	33	54
58	47	51	101
59	44	31	80
60	35	30	69
61	36	39	81
62	83	36	125
63	22	20	50
64	33	26	62
65	16	19	35
66	35	26	63
67	18	25	47
68	18	13	32
69	84	78	166
70	10	13	25
71	4	11	18
72	42	18	64
73	17	13	36

Protocol# 2 - Room Decon.lsa

User: Bill Calver

Equipment Swipes 220 236 Area

74	24	21	46
75	57	45	108
76	366	198	565
77	47	34	84
78	3	5	10
79	6	6	18
80	14	8	25
81	12	9	26
82	42	20	67
83	16	29	49
84	10	5	19
85	13	6	23
86	9	11	28
87	16	8	27
88	13	4	19
89	16	18	39
90	15	4	19
91	15	13	30
92	17	31	53
93	7	2	11
94	9	7	23
95	7	7	14
96	10	3	16
97	15	7	26
98	6	6	16
99	12	9	22
100	9	9	27
101	16	10	29
102	80	45	129
103	124	71	200
104	15	11	30
105	10	7	23
106	17	12	30
107	12	10	27
108	9	9	19
109	17	9	35
110	4	6	13
111	6	8	26
112	13	7	21
113	20	9	34
114	17	12	33
115	20	16	44
116	18	5	31
117	34	18	57
118	29	16	49
119	321	37	362
120	44	18	65
121	22	19	46
122	29	16	49
123	15	19	39
124	40	32	75
125	34	25	66
126	44	21	73
127	16	7	29
128	13	8	27
129	19	12	35
130	17	15	37
131	43	38	84
132	16	15	35
133	23	19	49
134	12	15	34
135	14	7	26
136	22	11	38

Equipment Swipes 220 236 Area

137	106	47	159 ✓
138	11	5	18
139	45	29	78
140	39	10	52
141	35	43	84
142	4	7	16
143	75	64	145 ✓
144	13	6	24
145	16	6	26
146	11	8	25
147	6	12	20
148	15	9	27
149	43	25	73
150	18	35	57
151	9	10	22

Missing vial 152.
 Missing vial 153.
 Missing vial 154.
 Missing vial 155.
 Missing vial 156.
 Missing vial 157.
 Missing vial 158.
 Missing vial 159.
 Missing vial 160.
 Missing vial 161.
 Missing vial 162.

163	10	5	21
164	8	7	20
165	11	7	25
166	10	14	30
167	8	7	22
168	13	6	23
169	22	15	41
170	8	8	21
171	23	23	55
172	37	20	60
173	338	42	382
174	34	25	61
175	26	18	48
176	14	22	40
177	14	21	41
178	39	31	79
179	35	12	52
180	40	23	65
181	13	10	31
182	16	14	32
183	11	15	30
184	21	24	51
185	43	41	88
186	21	9	36
187	31	10	45
188	18	23	49
189	15	15	35
190	33	17	53
191	103	63	169
192	7	9	22
193	34	28	64
194	27	13	47
195	32	38	74
196	10	9	22
197	80	76	159
198	14	10	29
199	22	7	32

Equipment Swipes 220 236 Area

Assay Definition-

Assay Description:
Decon D408-410

Assay Type: CPM
Report Name: Report1
Output Data Path: C:\Packard\Tricarb\Results\Bill Calver\Room Decon\20130120_1420
Raw Results Path: C:\Packard\Tricarb\Results\Bill Calver\Room Decon\20130120_1420\20130120_1420.results
RTF File Name: C:\Packard\Tricarb\Results\Bill Calver\Room Decon\20130120_1420\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 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
1510	6	6	17	
152	16	9	31	
153	19	12	33	
154	24	22	53	
155	849	256	1108	
156	16	6	25	
157	11	6	23	
158	13	8	25	
159	11	1	18	
160	13	11	30	

Protocol# 2 - Room Decon.lsa

User: Bill Calver

Equipment Swipes 220 236 Area

161	11	17	20	41
162	12	13	10	30
163	13	7	10	25
164	14	15	5	26
165	15	15	7	26
166	16	80	17	103
167	17	11	12	28
168	18	17	9	37

Protocol# 2 - Room Decon.lsa

User: Bill Calver

Equipment Swipes 220 236 Area

POST DECON 409

Assay Definition-

Assay Description:
Decon D408-410

Assay Type: CPM
Report Name: Report1
Output Data Path: C:\Packard\Tricarb\Results\Bill Calver\Room Decon\20130122_0941
Raw Results Path: C:\Packard\Tricarb\Results\Bill Calver\Room Decon\20130122_0941\20130122_0941.results
RTF File Name: C:\Packard\Tricarb\Results\Bill Calver\Room Decon\20130122_0941\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 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-

Regions	Half Life	Units	Reference Date	Reference Time
A				
B				
C				

Cycle 1 Results

S#	CPMA	CPMB	CPMC	MESSAGES
1369d	8	7	22	
169	9	7	18	
170	9	10	22	