Radiological Survey Sheet

Job Location Pfizer, Inc. Groton, Ct. 06340 118w/w122 Page 1 ~~18~~ 21

Survey Purpose ~~Radiologic Survey of Equipment~~ GD LAB DECOMM Date 9-28-12

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 cm²)
1.	1630	BACKGROUND
2.		door
3.		Floor
4.		Hood LEFT Side
5.		" " BACK
6.		" " "
7.		" RIGHT "
8.		" " Side
9.		" " BOTTOM
10.		" MIDDLE "
11.		" LEFT " & CUP
12.		" SASH
13.		" LIP
14.		" LEFT Side
15.		" " BACK
16.		" MIDDLE "
17.		" RIGHT "
18.	✓	" " Side

Radiological Survey Continuation Sheet

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Date 9-28-12

No.	Time	Locations See attached LSC printout for Total Activity (cpm/100 cm²)
19	1030	Hood RIGHT BOTTOM
20		" middle "
21		" LEFT " & CUP
22		" SASH
23		" LIP
24		CAB doors
25		" TOP SHELF
26		" BOTTOM "
27		" doors
28		" TOP SHELF
29		" BOTTOM "
30		" doors
31		" INSIDE
32		" & doors
33		FLOOR
34		"
35		"
36		BENCH
37		"
38		"
39		"
40		DWR
41		"
42		"
43		"
44		RIGHT DWR
45	↓	LEFT "

Radiological Survey Continuation Sheet

Date 9-28-12

No.	Time	Locations See attached LSC printout for Total Activity (cpm/100 cm²)
46	1030	CAB. doors
47		" TOP SHELF
48		" BOTTOM "
49		dwR
50		CAB doors
51		" TOP SHELF
52		" BOTTOM "
53		CAB doors
54		" TOP SHELF
55		" BOTTOM "
56		" doors
57		" TOP SHELF
58		" BOTTOM "
59		FLOOR
60		"
61		"
62		PEG BOARD
63		SINK AREA
64		BENCH
65		dwR
66		"
67		"
68		"
69		CAB door RIGHT
70		" "
71		" door LEFT
72		" "

Radiological Survey Continuation Sheet

Date 9-28-12

No.	Time	Locations See attached LSC printout for Total Activity (cpm/100 cm²)
23	1030	CAB doors
24		" TOP SHELF
25		" BOTTOM "
26		" doors
27		" TOP SHELF
28		" BOTTOM "
29		BENCH
80		"
81		"
82		"
83		dwr
84		CAB doors
85		" TOP SHELF
86		" BOTTOM "
87		dwr
88		"
89		"
90		"
91		TOP RIGHT dwr
92		" LEFT dwr
93		CAB door
94		" INSIDE
95		FLOOR
96		"
97		"
98		"
99	↓	UPPER WALL

Radiological Survey Continuation Sheet

Date 9-28-12

No.	Time	Locations See attached LSC printout for Total Activity (cpm/100 cm²)
100	1030	LOWER WALL
101		UPPER "
102		LOWER "
103		UPPER "
104		LOWER "
105		UPPER "
106		LOWER "
107		UPPER "
108		LOWER "
109		UPPER "
110		LOWER "
111		UPPER "
112		LOWER "
113		UPPER "
114		LOWER "
115		UPPER "
116		LOWER "
117		UPPER "
118		LOWER "
119		FLOOR
120		"
121		"
122		"
123		"
124		"
125		"
126	↓	"

Radiological Survey Continuation Sheet

No.	Time	Locations See attached LSC printout for Total Activity (cpm/100 cm²)
127	1030	DOOR
128		UPPER WALL
129		LOWER "
130		FLOOR
131		CAB DOORS
132		" TOP SHELF
133		" 2ND "
134		" 3RD "
135		" DOORS
136		" TOP SHELF
137		" 2ND "
138		" 3RD "
139		SHELF
140		"
141		BENCH
142		"
143		"
* 144		" ~~Sp/Smear dated 1/9/13~~ (See # 258)
145		CAB DOOR
146		" TOP SHELF
147		" BOTTOM "
148		DWR
149		"
150		"
151		"
152		"
153	↓	WINDOW & WALL

* See pgs 17 + 18.

WFC

Radiological Survey Continuation Sheet

Date 2-28-12

No.	Time	Locations See attached LSC printout for Total Activity (cpm/100 cm²)
154	1030	FLOOR
155		"
156		"
157		TOP LEFT DWR
158		" RIGHT "
159		CAB DOORS
160		" TOP SHELF
161		" BOTTOM "
162		CAB & DOORS
163		" DOORS
164		" TOP SHELF
165		" BOTTOM "
166		" DOORS
167		" TOP SHELF
168		" 2ND "
169		" 3RD "
170		BENCH
171		"
172		"
173		CAB & DOOR
* 174		DWR ~~(See survey dated 4/9/13)~~ (see #253)
175		"
176		"
177		"
178		"
179		CAB DOORS
180		" TOP SHELF

* See pgs 17 + 18 office

Radiological Survey Continuation Sheet

Date 9-28-12

No.	Time	Locations See attached LSC printout for Total Activity (cpm/100 cm²)
181	1030	CAB 2ND SHELF
182		" 3RD "
183		" DOORS
184		" TOP SHELF
185		" 2ND "
186		" 3RD "
187		SHELF
188		"
189		BENCH
190		"
191		"
192		"
193		WINDOW & WALL
194		FLOOR
195		"
196		"
197		"
198		"
199		CAB DOORS
200		" TOP SHELF
201		" 2ND "
202		" 3RD "
203		" DOORS
204		" TOP SHELF
205		" 2ND "
206		" 3RD "
207	↓	BENCH

Radiological Survey Continuation Sheet

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Date 9-28-12

No.	Time	Locations See attached LSC printout for Total Activity (cpm/100 cm²)
208	1030	BENCH
209		"
210		"
211		TOP LEFT dwR
212		" RIGHT "
213		CAB door
214		INSIDE CAB
216		CAB door
217		INSIDE CAB
218		CAB
219		TOP RIGHT dwR
220		" LEFT "
221		1ST LARGE "
222		2ND " "
223		3RD " "
224		dwR
225		"
226		FLOOR
227		"
228		"
229		"
230		WINDOW & WALL
231		FLOOR
232		"
233		"
234		"
235		"

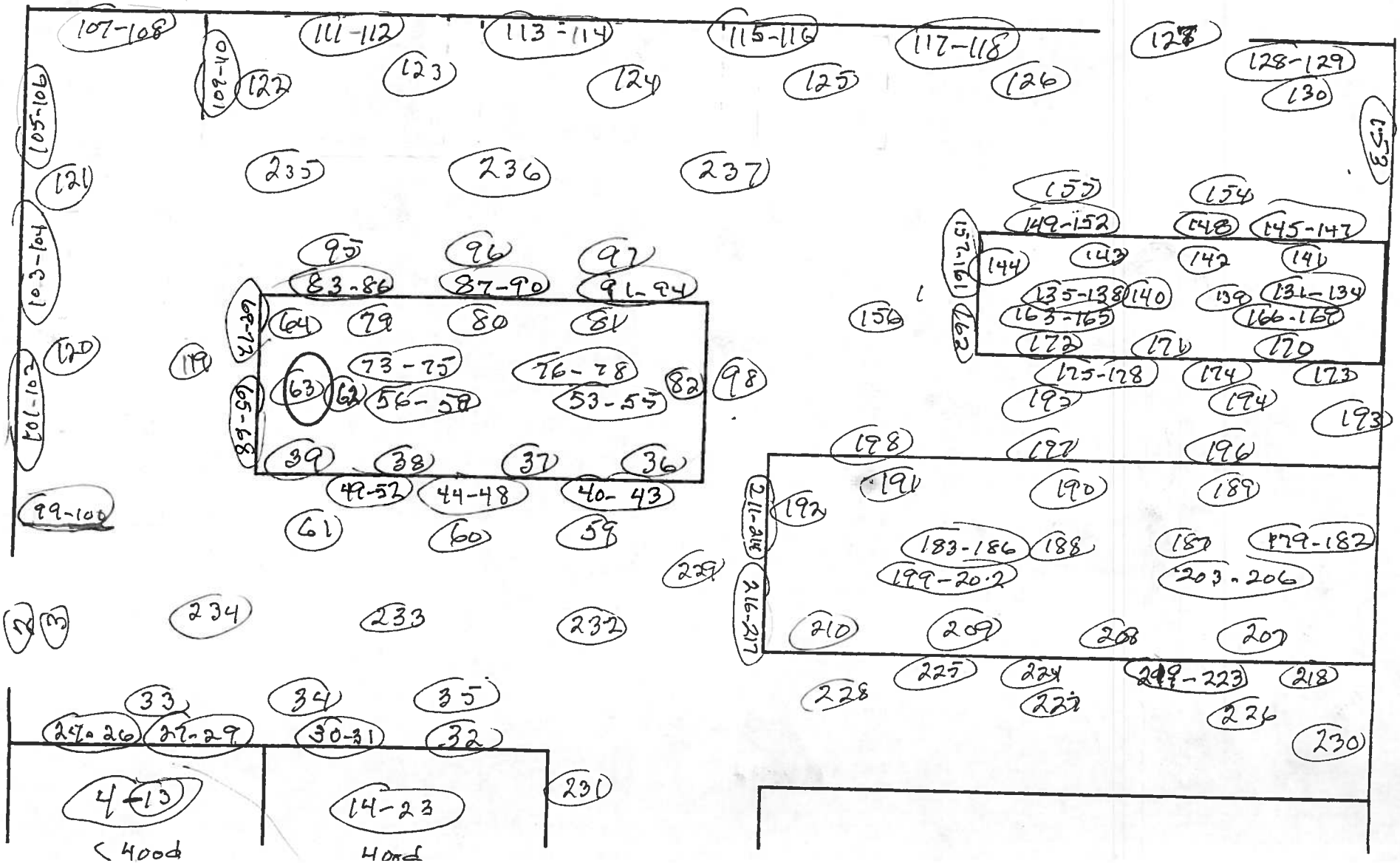
Radiological Survey Continuation Sheet

Date 9-28-12

	No.	Time	Locations See attached LSC printout for Total Activity (cpm/100 cm²)
	236	1030	FLOOR
	237	1030	"
12/13/12	238	1247	BACKGROUND
	239		POST DECON 1
	240		POST DECON 2
	241		POST DECON 3
	242		POST DECON 4
	243		POST DECON 5
	244		POST DECON 6
	245		POST DECON 7
	246		POST DECON 8
	247		POST DECON 9
	248		POST DECON 10
	249		POST DECON 11
	250		POST DECON 12
	251	↓	POST DECON 13
1/11/13	252	1530	BACKGROUND
	253		POST DECON #174 Drawer ~~Handle~~ inside
	254		Drawer outside
	255		Drawer inside left
	256		Right
	257		Drawer outer
	258		END OF BENCH Center Aisle 1
	259	↓	2

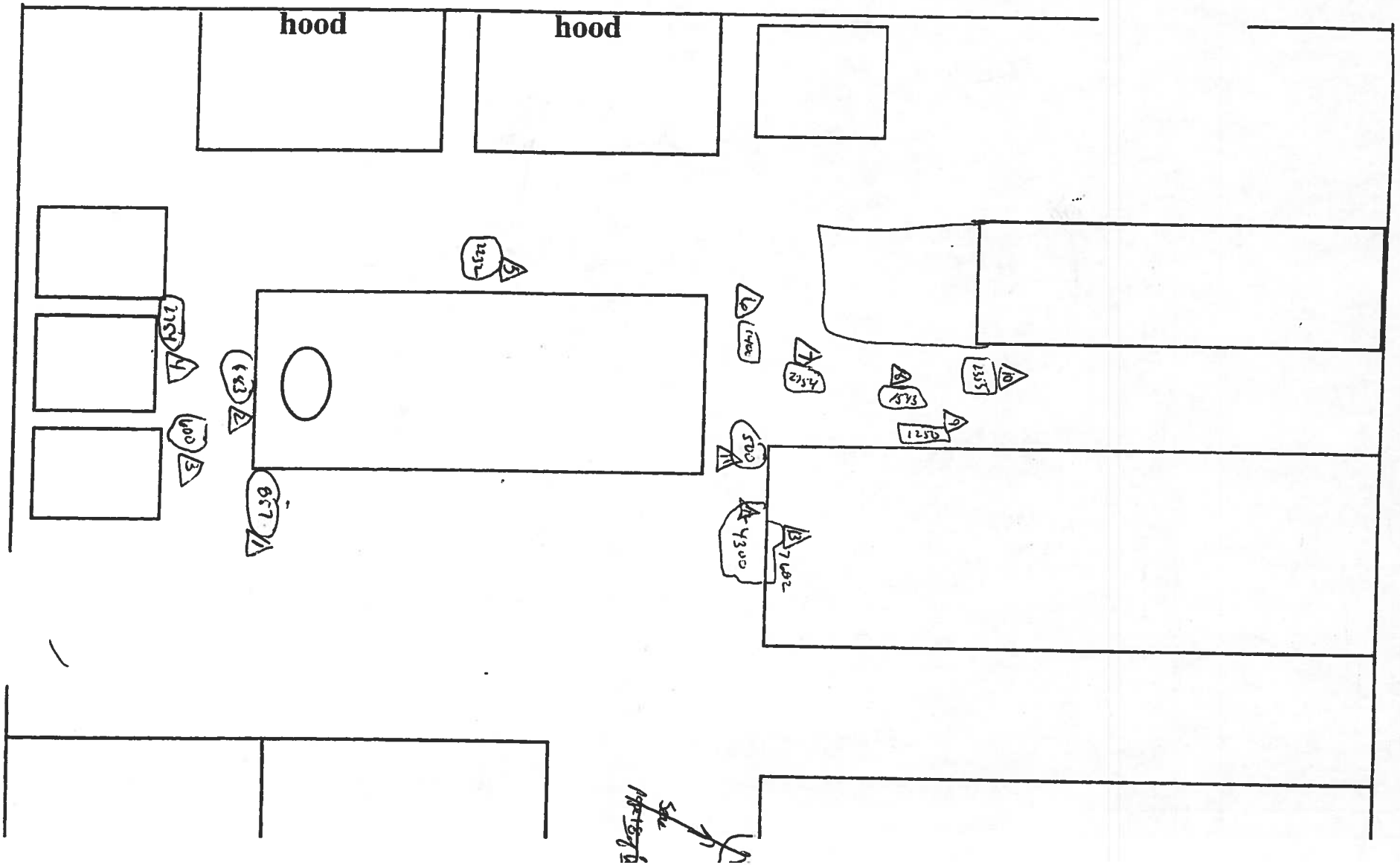
118W/W122-

Date: 9-28-12



118W/W122-124

Date: 9/28/12



Date: 9/28/12

118W/W122

Surveyed approximately 100% of surfaces using the 43-68. All areas were found to be at normal background levels, with the following exceptions:

1. A small spot on the floor was found to be contaminated to a maximum level of 11,800 dpm/100cm^2. The area was decontaminated to normal background levels.
2. A small spot on the floor was found to be contaminated to a maximum level of 8,241 dpm/100 cm^2. The area was decontaminated to normal background levels.
3. A small spot on the floor was found to be contaminated to a maximum level of 6,544 dpm/100 cm^2. The area was decontaminated to normal background levels.
4. A small spot on the floor was found to be contaminated to a maximum level of 50,593 dpm/100 cm^2. The area was decontaminated to normal background levels.
5. A small spot on the floor was found to be contaminated to a maximum level of 39,918 dpm/100 cm^2. The area was decontaminated to normal background levels.
6. A small spot on the floor was found to be contaminated to a maximum level of 22,904 dpm/100 cm^2. The area was decontaminated to normal background levels.
7. A small spot on the floor was found to be contaminated to a maximum level of 50,593 dpm/100 cm^2. The area was decontaminated to normal background levels.
8. An area of the floor was found to be contaminated to a maximum level of 25,828 dpm/100 cm^2. The area was decontaminated to normal background levels.
9. A small spot on the floor was found to be contaminated to a maximum level of 19,836 dpm/100 cm^2. The area was decontaminated to normal background levels.
10. A small spot on the floor was found to be contaminated to a maximum level of 42,434 dpm/100 cm^2. The area was decontaminated to normal background levels.
11. A small spot on the floor was found to be contaminated to a maximum level of 4,499 dpm/100 cm^2. The area was decontaminated to normal background levels.
12. An area of the floor was found to be contaminated to a maximum level of 82,209 dpm/100 cm^2. The area was decontaminated to normal background levels.
13. A small spot on the edge of a counter was found to be contaminated to a maximum level of 151,370 dpm/100 cm^2. The area was decontaminated to normal background levels.

Assay Definition-

Assay Description:
Equipment Swipes

Assay Type: CPM
Report Name: Report1
Output Data Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes
Raw Results Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\20121001_0602
\20121001_0602.results
RTF File Name: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\Ed's Monthly
Swipes.rtf
Assay File Name: C:\Packard\TriCarb\Assays\Eds Monthly Swipes.lsa

Count Conditions-

Nuclide: Triple
Quench Indicator: tSIE/AEC
External Std Terminator (sec): 5 sec
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: On - Manual
Low CPM Threshold: Off
2 Sigma % Terminator: Off

Regions	LL	UL	Bkg Subtract
A	0.0	18.6	0.00
B	18.6	156.0	0.00
C	0.0	2000.0	0.00

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	4	6	19	
2	5	9	22	
3	4	7	19	
4	12	5	23	
5	7	8	20	
6	27	7	42	
7	11	4	23	
8	10	10	22	
9	16	12	34	
10	13	10	30	

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

74	11	6	20
75	16	9	35
76	13	7	25
77	11	8	23
78	9	3	18
79	9	8	25
80	7	12	29
81	10	3	21
82	12	14	35
83	0	11	16
84	4	5	17
85	1	10	18
86	12	11	26
87	8	14	26
88	13	11	31
89	10	6	22
90	7	6	20
91	10	10	25
92	12	9	29
93	10	7	23
94	18	9	32
95	10	8	24
96	19	7	33
97	7	10	22
98	5	5	15
99	5	8	16
100	11	17	36
101	12	7	26
102	11	9	27
103	6	9	22
104	11	10	26
105	11	7	25
106	4	6	15
107	6	8	17
108	8	12	26
109	14	12	32
110	12	3	27
111	8	6	18
112	8	3	18
113	14	7	27
114	11	7	26
115	11	6	24
116	9	10	26
117	8	13	23
118	6	5	14
119	9	6	18
120	8	14	25
121	13	6	25
122	8	8	19
123	7	6	19
124	6	7	19
125	11	5	19
126	10	4	20
127	11	9	25
128	12	14	32
129	11	8	23
130	13	9	25
131	19	8	31
132	12	11	31
133	5	8	21
134	6	7	18
135	10	5	19
136	7	11	22

	137	8	8	20
	138	13	6	24
	139	10	9	24
	140	9	5	21
	141	13	11	29
	142	8	10	24
	143	10	8	23
*	144	1933	24	1961
	145	12	6	24
	146	12	2	17
	147	10	5	21
	148	11	13	32
	149	21	17	42
	150	7	5	15
	151	8	6	16
	152	11	6	24
	153	17	9	30
	154	7	5	16
	155	8	6	23
	156	11	9	28
	157	10	8	24
	158	4	8	16
	159	11	4	21
	160	5	5	13
	161	10	4	23
	162	10	5	20
	163	9	7	20
	164	13	5	24
	165	7	8	23
	166	7	6	20
	167	11	11	31
	168	16	6	31
	169	19	2	25
	170	18	8	33
	171	7	6	15
	172	14	12	28
	173	8	6	24
*	174	84	120	216
	175	13	13	29
	176	6	12	24
	177	10	11	26
	178	8	11	22
	179	16	11	35
	180	10	6	18
	181	15	6	28
	182	11	7	22
	183	6	14	23
	184	10	8	24
	185	9	10	22
	186	8	12	20
	187	8	13	25
	188	8	12	25
	189	8	5	22
	190	10	9	24
	191	9	7	26
	192	4	9	20
	193	9	11	21
	194	4	14	22
	195	11	13	29
	196	7	6	19
	197	5	8	19
	198	12	6	24
	199	9	9	20

* See pgs 17 & 18 w/ C

200	7	8	19
201	5	5	18
202	5	6	17
203	13	13	30
204	5	5	17
205	10	7	21
206	12	4	24
207	22	8	37
208	10	9	26
209	17	12	37
210	6	10	23
211	14	6	30
212	13	10	31
213	13	6	21
214	8	6	17
215	6	8	18
216	14	6	32
217	9	9	22
218	2	12	17
219	20	7	34
220	7	9	24
221	13	8	29
222	12	11	27
223	12	6	24
224	13	8	24
225	8	5	19
226	8	5	18
227	12	9	25
228	11	13	32
229	21	23	46
230	13	10	30
231	9	5	22
232	17	13	34
233	11	10	27
234	7	6	24
235	8	5	23
236	13	8	27
237	11	4	20

Assay Definition-

Assay Description:
Equipment Swipes

Assay Type: CPM
Report Name: Report1
Output Data Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes
Raw Results Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\20121213_1413\20121213_1413.results
RTF File Name: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\Ed's Monthly Swipes.rtf
Assay File Name: C:\Packard\TriCarb\Assays\Eds Monthly Swipes.lsa

Count Conditions-

Nuclide: Triple
Quench Indicator: tSIE/AEC
External Std Terminator (sec): 5 sec
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: On - Manual
Low CPM Threshold: Off
2 Sigma % Terminator: Off

Regions	LL	UL	Bkg Subtract
A	0.0	18.6	0.00
B	18.6	156.0	0.00
C	0.0	2000.0	0.00

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
238	1	9	1	17	
239	2	11	6	22	
240	3	14	5	24	
241	4	3	11	19	
242	5	13	5	20	
243	6	13	13	31	
244	7	2	13	22	
245	8	23	15	45	
246	9	13	4	21	
247	10	13	10	28	

248	11	5	5	10
249	12	1	3	7
250	13	21	4	27
251	14	1	6	10

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\20130111_1102\20130111_1102.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
252	1	11	5	22		32	
253	2	11	5	17		32	
254	3	37	50	91		32	
255	4	4	6	15		32	
256	5	11	7	23		32	
257	6	12	5	22		32	
258	7	8	6	23		32	
259	8	8	7	16		32	