


Radiological Survey Sheet

Job Location Pfizer GROTON 06340 Page 1 of 21

Survey Purpose LAB DECON 118 237 Date 12/19/05

Performed by P. Keele (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:	10/12/06	10/12/06	04/14/06	12/01/06
Check Instruments Used	X		X	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)	
1.	0800	BACKGROUND		
2.		LAB DOOR - OUTSIDE		
3.		- INSIDE		
4.		Sm Wall - UPPER		
5.		- MID		
6.		- LOWER		
7.		Sm Wall - LEFT		
8.		- REAR		
9.		BENCHTOP		
10.		SPRINKLER GUARD		
11.		DRAWERS - TOP - OUT/IN		
12.		- UPPER MID ↓ ↓		
13.		- LOWER MID ↓ ↓		
14.		- BOTTOM - OUT/IN		
15.		Hood - OUTSIDE - LEFT - UPPER		
16.		- LOWER		
17.		∇	- FRONT - UPPER - LEFT	
18.		0820	- RIGHT	

Radiological Survey Continuation Sheet

Page 2 of 21

Date 12/19/05

LAB DECON 118 237

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
19	0820	HOOD	-OUTSIDE - FRONT - VENTED AREA - LEFT
20			-RIGHT
21			-GLASS SASH - LEFT
22			-RIGHT
23			-SPRINKLER GUARD - LEFT
24			-RIGHT
25			-CABINET (LEFT) - DOORS
26			(CENTER) - DOORS
27			(RIGHT) - DOORS
28			-CONTROLS - LEFT
29			-RIGHT
30			-INSIDE - LEFT - UPPER
31			-MID
32			-LOWER
33			-BLACK HOSE - OUT
34			-IN
35			-REAR - LEFT - UPPER
36			-MIDDLE
37			-BOTTOM
38			-RIGHT - UPPER
39			-MIDDLE
40			-BOTTOM
41			-RIGHT - UPPER
42			-MID
43			-BOTTOM
44	▽		-WORK AREA - LEFT - LEFT
45	0840		-RIGHT

Radiological Survey Continuation Sheet

Page 3 of 21

Date 12/14/05

LAB DELON 118 237

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)	
46	0840	Hood	- INSIDE - WORK AREA - RIGHT - LEFT	
47	↓		- RIGHT	
48			- CABINET (LEFT) - LEFT RIGHT	
49			- REAR BOTTOM	
50			- DOORS	
51			- (CENTER) - LEFT RIGHT	
52			- REAR BOTTOM	
53		0900		- DOORS
54		1030		(RIGHT) - LEFT RIGHT
55				- REAR BOTTOM
56				- DOORS
57		Sm Wall	- upper	
58			- lower	
59		Glass Rack		
60		Faucet		
61		Eyewash		
62		BENCHTOP AROUND BASIN		
63		BASIN	- LEFT RIGHT	
64			- REAR FRONT	
65			- BOTTOM DRAIN	
66		CABINET UNDER SINK	- OUTSIDE - DOORS	
67			- INSIDE - DOORS	
68			- LEFT RIGHT	
69			- REAR BOTTOM	
70		Overhead Cabinet	- OUTSIDE - DOORS - DOORS	
71	↓		- LEFT BOTTOM	
72	1045		- INSIDE - LEFT RIGHT	

Radiological Survey Continuation Sheet

Page 4 of 21

Date 12/19/05

LAB DECON 118 237

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
73	1045	OVERHEAD CABINET - INSIDE - REAR	Bottom
74			shelves
75		BENCHTOP	
76		SPLASHGUARD	
77		DRAWNS - TOP (LEFT) - TOP	- OUT IN
78			- upper MID ↓ ↓
79			- lower MID ↓ ↓
80			- Bottom - OUT IN
81			(RIGHT) - upper - OUT IN
82			- lower ↓ ↓
83		CABINET - OUTSIDE - DOORS	
84			- INSIDE - LEFT RIGHT
85			- REAR BOTTOM
86			- shelf
87		OVERHEAD CABINET - OUTSIDE - DOORS	
88			- Bottom
89			- INSIDE - LEFT RIGHT
90			- REAR BOTTOM
91			- shelf
92			- DOORS
93		BENCHTOP	
94	SPLASHGUARD		
95	Flow Valves		
96	DRAWNS - TOP (LEFT) - TOP	- OUT IN	
97		- upper MID ↓ ↓	
98		- lower MID ↓ ↓	
99	▽		- Bottom - OUT IN

Radiological Survey Continuation Sheet

Page 5 of 21

Date 12/19/05

LAB DECON 118 237

No.	Time	Locations	
			See attached LSC printout for Total Activity (cpm/100 cm ²)
100	1110	DRAWS (RIGHT) - UPPER - OUT IN	
101		- LOWER - OUT IN	
102		CABINET - OUTSIDE - DOOR	
103		- INSIDE - DOOR	
104		- RIGHT LEFT	
105		- REAR BOTTOM	
106		- Shelf	
107		OVERHEAD CABINET - OUTSIDE - BOTTOM	
108		- INSIDE - LEFT RIGHT	
109		- REAR BOTTOM	
110		shelves	
111		BENCHTOP	
112		SPLASHGUARD	
113		DRAWS - (LEFT) - TOP - OUT IN	
114		- MID	↓ ↓
115		- BOTTOM	↓ ↓
116		- (CENTER) - OUT IN	
117		- (RIGHT) - OUT IN	
118		ALCOVE - LEFT RIGHT	
119		- REAR FLOOR	
120		OVERHEAD CABINET - OUTSIDE - BOTTOM RIGHT	
121		- INSIDE - LEFT RIGHT	
122		- REAR BOTTOM	
123		- shelves	
124		BENCHTOP	
125	▽	SPLASH (BOARD)	
126	1130	DRAWS (LEFT) - TOP - OUT IN	

Radiological Survey Continuation Sheet

Page 6 of 21

Date 12/19/05

(AB) DECON 118 237

No.	Time	Locations	
127	1130	DRAWS (LEFT) - MIDDLE - OUT IN	See attached LSC printout for Total Activity (cpm/100 cm ²)
128		- BOTTOM - OUT IN	
129		(RIGHT) - OUT IN	
130		Alcove under bench - LEFT REAR	
131		- SUPPORTS (RIGHT)	
132		Window - LEFT REAR	
133		- RIGHT	
134		HEATER - LEFT	
135		- RIGHT	
136		OVERHEAD CABINET - OUTSIDE - LEFT RIGHT	
137		- TOP BOTTOM	
138		- INSIDE - LEFT RIGHT	
139		- REAR BOTTOM	
140		- shelves	
141		BENCH TOP -	
142		- SPLASH GUARD	
143		DRAWS - (LEFT) - TOP - OUT IN	
144		- MID ↓ ↓	
145		- BOTTOM - OUT IN	
146		(LEVER) - OUT IN	
147		(RIGHT) - OUT IN	
148		Alcove - LEFT RIGHT	
149		- REAR BOTTOM	
150		Shelves - TOP	
151		- MID	
152	▽	- BOTTOM	
153	1150	SUPPORTS	

Radiological Survey Continuation Sheet

Page 7 of 21

Date 12/19/05

LAB DECON 118 237

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
154	1150	Sm Wall - upper	
155		-lower	
156		Wall swipes - upper	
157		-middle	
158		-lower	
159		Glass Door - out	
160		-in	
161		White board	
162		CABINET UNIT - shelves	
163		-SIDES - LEFT / RIGHT	
164		DRAWS (LEFT) - out/in	
165		(RIGHT) - out/in	
166		Window	
167		HEATER	
168		Desktop	
169		Shelves - LEFT	
170		-RIGHT	
171		DRAWS (LEFT) - out/in	
172		(RIGHT) - out/in	
173		CHAIR	
174		Sm Wall swipe - upper	
175		-lower	
176		SM Wall swipe - upper	
177		-lower	
178		Overhead CABINET - OUTSIDE - LEFT / BOTTOM	
179	▽	-DOORS	
180	1210	-INSIDE - DOORS	

Radiological Survey Continuation Sheet

Page 8 of 21

Date 12/19/05

LAB DECON 118 237

181

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
181	1210	OVERHEAD CABINET	- INSIDE - LEFT / RIGHT
182			- REAR / BOTTOM
183			- shelves
184		BENCHTOP	
185		SPLASHGUARD	
186		Flow Valves	
187		DRAWS (LEFT)	- TOP - OUT / IN
188			- UPPER MID ↓ ↓
189			- LOWER MID ↓ ↓
190			- BOTTOM - OUT / IN
191		(RIGHT)	- UPPER - OUT / IN
192			- LOWER ↓ ↓
193		CABINET	- OUT - DOOR
194			- IN - LEFT / RIGHT
195			- REAR / BOTTOM
196			- shelf
197			- DOOR
198		OVERHEAD CABINET	- OUT - DOORS
199	↓		- BOTTOM
200	1230		- INSIDE - LEFT / RIGHT
201	1300		- REAR / BOTTOM
202			- DOORS
203			- shelves
204		BENCHTOP	
205		SPLASHGUARD	
206	↓	DRAWS - LEFT	- OUT / IN
207	1310		- RIGHT - OUT / IN

Radiological Survey Continuation Sheet

Page 9 of 21

Date 12/19/05

LAB DECON 118 287

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
208	1310	ALCOVE UNDER DRAWS - LEFT / RIGHT	
209		- REAR / BOTTOM	
210		OVERHEAD CABINET - OUTSIDE - DOORS	
211		- BOTTOM	
212		- INSIDE	
213		BENCHTOP	
214		SPLASHGUARD	
215		FLOW VALVES	
216		DRAWS - TOP - OUT / IN	
217		- UPPER MID ↓ ↓	
218		- LOWER MID ↓ ↓	
219		- BOTTOM - OUT / IN	
220		CABINET - OUTSIDE - DOOR	
221		- INSIDE - LEFT / RIGHT	
222		- REAR / BOTTOM	
223		- DOOR	
224		Wall SWIPES - TOP	
225		- MID	
226		- BOTTOM	
227		BENCHTOP	
228		DRAWS (LEFT) - TOP - OUT / IN	
229		- UPPER MID ↓ ↓	
230		- LOWER MID ↓ ↓	
231		- BOTTOM - OUT / IN	
232		(RIGHT) - UPPER - OUT / IN	
233	↓	- LOWER ↓ ↓	
234	1340	CABINET - OUTSIDE - RIGHT	

Radiological Survey Continuation Sheet

Page 10 of 21

Date 12/19/05

LAB DECON 118 237

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
235	1340	CABINET - OUTSIDE - DOOR	
236		- INSIDE - LEFT RIGHT	
237		- REAR BOTTOM	
238		- Shelves	
239		BENCHTOP shelf	
240		SUPPORTS	
241		BENCHTOP	
242		DRAWS (LEFT) - OUT IN	
243		(RIGHT) - OUT IN	
244		CABINET - OUTSIDE - DOORS	
245		- INSIDE - LEFT RIGHT	
246		- REAR BOTTOM	
247		- shelf	
248		- DOORS	
249		BENCHTOP SHELF	
250		SUPPORTS	
251		BENCHTOP -	
252		DRAWS (LEFT) - TOP - OUT IN	
253		- UPPER MID ↓ ↓	
254		- LOWER MID ↓ ↓	
255		- BOTTOM - OUT IN	
256		CABINET - OUTSIDE - DOOR	
257		- INSIDE - LEFT RIGHT	
258		- REAR BOTTOM	
259		- shelf	
260		- DOOR	
261	1410	OUTSIDE DRAW UNIT LEFT	

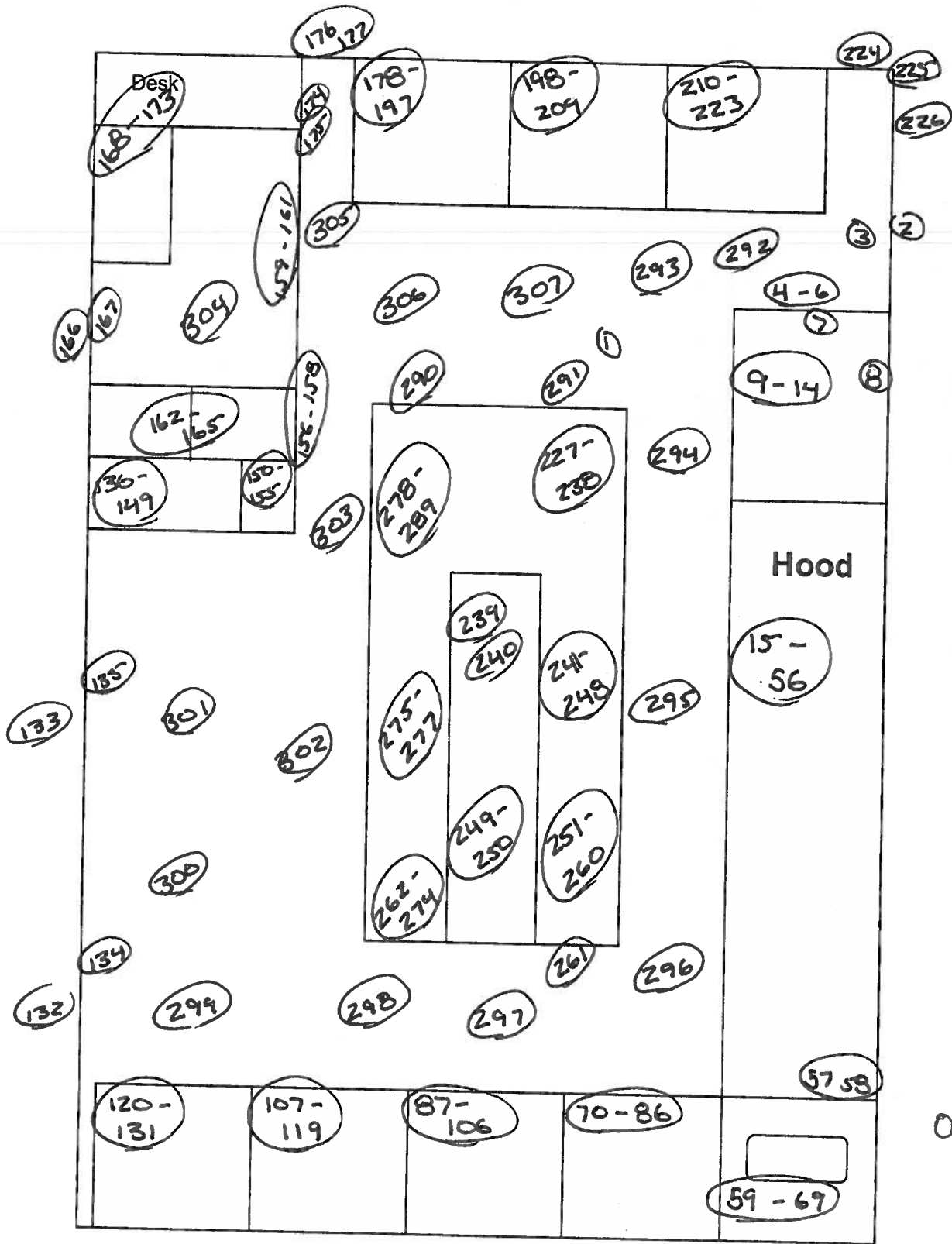
Radiological Survey Continuation Sheet

Page 11 of 21

Date 12/19/05

LAB DECON 118 237

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
262	1410	BENCHTOP	
263		DRAWS (LEFT) - TOP	- OUT IN
264		- UPPER MID	↓ ↓
265		- LOWER MID	↓ ↓
266		- BOTTOM	- OUT IN
267		(RIGHT) - UPPER	- OUT IN
268		- LOWER	↓ ↓
269		CABINET - OUTSIDE	- RIGHT
270			- DOOR
271		- INSIDE	- RIGHT LEFT
272			- REAR BOTTOM
273			- shelves
274			- DOOR
275		BENCHTOP	
276		Alcove - LEFT RIGHT	
277			- REAR FLOOR
278		BENCHTOP	
279		DRAWS - (LEFT) - TOP	- OUT IN
280		- UPPER MID	↓ ↓
281		- LOWER MID	↓ ↓
282		- BOTTOM	- OUT IN
283		(RIGHT) - UPPER	- OUT IN
284		- LOWER	↓ ↓
285		CABINET - OUTSIDE	- DOOR
286		- INSIDE	- LEFT RIGHT
287			- REAR BOTTOM
288	1430		- shelf



ALL SURFACES WERE SURVEYED WITH LUDLUM 2241-2
AND FOUND TO BE WITHIN LIMITS.

Pr

Protocol# 9 - Room Decon.lsa

Lab Decon 118 237

User: Pete Keefe

Assay Definition-

Assay Description:

Assay Type: CPM

Report Name: Report1

Output Data Path: C:\Packard\Tricarb\Results\Pete Keefe\Room Decon\20051220_0819

Raw Results Path: C:\Packard\Tricarb\Results\Pete Keefe\Room Decon\20051220_0819\20051220_0819.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 2s8

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	CFMC	MESSAGES
1	19	7	38	
2	11	8	29	
3	21	9	35	
4	19	7	35	
5	4	10	19	
6	3	10	21	

Protocol# 9 - Room Decon.lsa

Lab Decon 118 237

User: Pete Keefe

7	10	13	27
8	9	7	20
9	7	17	28
10	24	8	39
11	3	6	16
12	8	10	25
13	22	7	31
14	21	7	35
15	10	8	25
16	18	11	33
17	1	4	8
18	22	5	29
19	7	4	16
20	24	7	39
21	14	6	27
22	16	7	28
23	17	4	26
24	15	8	36
25	5	4	17
26	14	9	28
27	9	5	22
28	7	8	22
29	18	6	30
30	13	5	20
31	21	6	35
32	8	7	21
33	11	5	20
34	3	8	19
35	16	7	28
36	1	9	17
37	19	9	33
38	13	10	27
39	21	6	33
40	19	11	36
41	18	5	29
42	23	10	37
43	12	4	25
44	9	9	25
45	23	6	42
46	14	11	27
47	9	4	21
48	9	8	30
49	16	10	33
50	13	5	30
51	8	7	19
52	0	6	13
53	13	11	29
54	19	3	29
55	5	11	21
56	20	11	44
57	4	9	19
58	19	6	32
59	0	3	7
60	11	7	23
61	6	5	23
62	16	7	29
63	15	8	31

Protocol# 9 - Room Decon.lsa

Lab Decon 118 237

User: Pete Keefe

64	18	13	37
65	12	9	25
66	9	16	35
67	4	10	21
68	14	5	28
69	22	10	39
70	20	8	36
71	6	11	23
72	18	12	35
73	15	7	27
74	12	7	24
75	15	9	28
76	17	14	41
77	22	7	33
78	17	6	24
79	5	7	18
80	16	6	35
81	7	12	27
82	20	2	31
83	20	6	33
84	9	7	28
85	3	7	18
86	15	12	36
87	0	8	16
88	14	9	26
89	10	9	21
90	5	5	13
91	16	11	34
92	19	11	33
93	19	10	33
94	21	8	34
95	11	10	28
96	10	17	33
97	8	5	19
98	19	10	35
99	10	6	22
100	5	11	23
101	10	7	25
102	20	11	36
103	8	5	22
104	18	11	34
105	20	6	33
106	12	10	32
107	18	11	36
108	2	9	16
109	7	13	28
110	12	7	23
111	15	6	26
112	3	12	20
113	23	6	35
114	12	19	36
115	17	5	30
116	4	14	25
117	6	10	21
118	10	13	25
119	13	15	39
120	12	7	26

Protocol# 9 - Room Decon.lsa

Lab Decon 118 237

User: Pete Keefe

121	2	11	19
122	13	4	23
123	20	10	38
124	16	10	32
125	10	0	15
126	15	12	33
127	8	14	29
128	5	4	14
129	4	7	19
130	13	10	30
131	16	8	34
132	2	6	19
133	15	14	32
134	18	14	36
135	14	6	21
136	25	9	41
137	17	15	39
138	15	13	35
139	13	8	26
140	11	7	23
141	5	8	21
142	13	9	25
143	8	11	24
144	12	11	29
145	7	11	22
146	12	6	26
147	24	4	34
148	27	14	52
149	17	6	27
150	17	6	31
151	13	11	33
152	23	6	38
153	5	8	15
154	22	13	42
155	19	13	40
156	15	11	32
157	11	20	37
158	0	12	21
159	24	11	41
160	20	9	32
161	1	7	14
162	25	5	35
163	5	5	18
164	3	12	18
165	0	5	4
166	33	10	51
167	8	12	30
168	15	8	29
169	18	12	33
170	1	9	12
171	2	12	22
172	22	9	44
173	0	10	15
174	11	9	24
175	21	10	36
176	6	8	21

Protocol# 9 - Room Decon.lsa

Lab Decon 118 237

User: Pete Keefe

177	9	8	25
178	26	7	35
179	5	5	21
180	13	9	29
181	12	10	31
182	17	12	34
183	24	7	35
184	22	5	33
185	12	5	26
186	16	8	28
187	17	8	30
188	13	16	36
189	8	9	26
190	10	9	27
191	3	6	17
192	9	11	26
193	22	17	46
194	14	6	24
195	5	6	20
196	8	8	22
197	9	7	22
198	11	12	29
199	21	7	33
200	24	6	34
201	19	13	39
202	22	12	40
203	12	6	20
204	8	7	23
205	5	8	17
206	23	9	39
207	0	11	17
208	18	6	31
209	20	10	36
210	19	7	29
211	18	10	38
212	8	11	30
213	9	10	26
214	10	4	22
215	6	14	24
216	15	11	32
217	19	5	30
218	21	8	33
219	14	10	28
220	4	8	17
221	22	11	39
222	11	4	19
223	13	7	29
224	17	10	33
225	7	7	21
226	4	9	21
227	6	6	20
228	14	13	38
229	12	10	24
230	14	10	35
231	0	11	12
232	1	12	19
233	3	10	17

Protocol# 9 - Room Decon.lsa

Lab Decon 118 237

User: Pete Keefe

234	6	13	26
235	29	9	45
236	10	9	26
237	28	10	47
238	7	5	14
239	0	8	9
240	22	8	35
241	28	9	44
242	25	13	44
243	6	9	18
244	18	14	36
245	3	9	17
246	0	14	15
247	10	6	22
248	14	6	26
249	9	8	22
250	11	8	26
251	13	11	30
252	22	11	38
253	8	10	29
254	0	10	7
255	0	11	9
256	20	11	36
257	18	3	27
258	5	5	13
259	15	7	25
260	20	2	31
261	12	5	25
262	14	4	27
263	16	9	31
264	18	6	25
265	17	4	26
266	18	11	34
267	15	9	34
268	7	4	17
269	7	6	21
270	29	7	41

Protocol# 9 - Room Decon.lsa

Lab Decon 118 237

User: Pete Keefe

Assay Definition-

Assay Description:

Assay Type: CFM

Report Name: Report1

Output Data Path: C:\Packard\Tricarb\Results\Pete Keefe\Room Decon\20051221_0807

Raw Results Path: C:\Packard\Tricarb\Results\Pete Keefe\Room Decon\20051221_0807\20051221_0807.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 CFM 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
71	10	8	24	
72	12	9	29	
73	0	9	11	
74	0	8	6	
75	3	6	21	
76	15	6	26	

Protocol# 9 - Room Decon.lsa

User: Pete Keefe

Lab Decon 118 237

Wipe #

277	6	8	19
278	17	9	31
279	15	5	27
280	16	7	28
281	16	9	32
282	19	8	39
283	19	9	36
284	8	9	28
285	25	6	36
286	3	12	22
287	22	14	47
288	2	11	21
289	13	8	28
290	5	9	23
291	19	8	31
292	11	8	26
293	6	6	18
294	35	6	52
295	7	9	22
296	0	10	13
297	8	7	22
298	4	9	15
299	19	4	23
300	13	11	30
301	5	6	16
302	30	6	42
303	8	8	18
304	3	7	19
305	21	4	32
306	23	7	37
307	11	12	30

All ABOVE SWIPES ARE COMPARED TO THE BACKGROUND value
ON SWIPE # 1