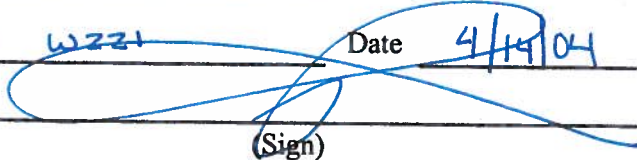


Radiological Survey Sheet

Job Location Pfizer Groton CT 06340 Page 1 of 21
 Survey Purpose Room DRCON 118W WZZI Date 4/14/04
 Performed by P. KEEFE (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:	10/24/04	10/24/04	6/25/04	
Check Instruments Used	X		X	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
1.	0600	BACKGROUND	
2.	↓	LAB ENTRANCE DOORWAY	OUTSIDE / INSIDE
3.		WALL SWIPE	
4.		HOOD - OUTSIDE - UPPER	
5.		- GLASS	
6.		- RIGHT SIDE	
7.		- INSIDE - REAR	
8.		- LEFT	
9.		- RIGHT	
10.		- UPPER REAR	
11.		- BENCHTOP - LEFT	
12.		- RIGHT	
13.		CABINET UNDER HOOD - LEFT - DOORS	OUTSIDE
14.			INSIDE
15.		- INSIDE - LEFT	
16.		- REAR	
17.		- RIGHT	
18.		0620	- BOTTOM

Radiological Survey Continuation Sheet

Page 3 of 21

Date 4/14/04

Room DECON 118W W221

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
46	0700	LAB DOOR - OUTSIDE / INSIDE	
47		OUTSIDE OFFICE - WALL	
48		- GLASS DOORS - OUTSIDE / INSIDE	
49		DESK TOP	
50		DESK DRAWS - LEFT - OUTSIDE / INSIDE	
51		- Right - OUTSIDE / INSIDE	
52		Shelves SWIPES	
53		WINDOWS / HEATER	
54		FILE CABINET - LEFT - OUTSIDE / INSIDE	
55		FILE CABINET - Right - OUTSIDE / INSIDE	
56		Shelves SWIPES	
57		WALL SWIPES - UPPER	
58		- LOWER	
59		WINDOWS / HEATER	
60		Wall swipes - UPPER	
61		- LOWER	
62		LAB DOOR - OUTSIDE / INSIDE	
63		WALL CABINET #1 - OUTSIDE LEFT / BOTTOM	
64		- DOORS - OUTSIDE / INSIDE	
65		- shelves - UPPER / MID / BOTTOM	
66		shelf underneath CABINET	
67		DESKTOP shelves - TOP / BOTTOM	
68		- SUPPORTS	
69		DESKTOP	
70		DESK DRAWS - OUTSIDE / INSIDE	
71	↓	ALCOVE UNDER DESK -	
72	0730	FLOOR IN ALCOVE	

Radiological Survey Continuation Sheet

Page 4 of 21

Date 4/14/04

Room DECON 118W W221

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
73	0730	METAL shelves	
74		SUPPORTS	
75		BENCHTOP shelf	
76		Flow Valves	
77		BENCHTOP SWIPES - LEFT / BASIN	
78		- Right	
79		BENCH DRAWS - TOP - OUTSIDE / INSIDE	
80		UPPER BOTTOM - OUTSIDE / INSIDE	
91		UPPER CABINET - DOOR - OUTSIDE / INSIDE	
92		INSIDE CABINET - LEFT / REAR / RIGHT	
83		- shelf / Bottom	
84		DESK DRAW ABOVE ALCOVE - OUTSIDE / INSIDE	
85		ALCOVE - LEFT / REAR / RIGHT	
86		- FLOOR	
87		METAL SHELVES	
88		SUPPORTS	
89		BENCHTOP SHELF	
90		Flow Valves	
91		BENCHTOP SWIPES - LEFT / BASIN	
92		- Right	
93		DRAWS UNDER BENCH - LEFT - TOP - OUTSIDE / INSIDE	
94		- UPPER MID. - OUTSIDE / INSIDE	
95		- LOWER MID - OUTSIDE / INSIDE	
96	- Bottom - OUTSIDE / INSIDE		
97	- Right - TOP - OUTSIDE / INSIDE		
98	- UPPER MID. - OUTSIDE / INSIDE		
99	- LOWER MID. - OUTSIDE / INSIDE		
91	0800		

Radiological Survey Continuation Sheet

Page 5 of 21

Date 4/14/04

Room DECON 118W WZZ1

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
100	0800	DRAWS UNDER BENCH - RIGHT - BOTTOM - OUT/IN	
101		BASIN - LEFT/RIGHT	
102		- FRONT/REAR	
103		- BOTTOM/DRAIN	
104		COUNTERTOP AROUND BASIN	
105		CABINET UNDER BASIN - DOORS - OUTSIDE/INSIDE	
106		OUTSIDE - LEFT	
107		- RIGHT	
108		INSIDE - LEFT/REAR	
109		- RIGHT/BOTTOM	
110		METAL SHELF UNIT	
111		METAL SHELVES	
112		SUPPORTS	
113		BENCHTOP SHELF	
114		Flow Valves	
115		BENCHTOP SWIPES - LEFT/BASIN	
116		- RIGHT	
117		DRAWS UNDER BENCHTOP - LEFT - TOP - OUT/IN	
118		- LOWER - OUT/IN	
119		- RIGHT - TOP - OUT/IN	
120		- LOWER - OUT/IN	
121		- CENTER - UPPER - OUT/IN	
122		- LOWER - OUT/IN	
123		METAL SHELF UNIT	
124		SUPPORTS	
125	↓	BENCHTOP SHELF	
126	0830	Flow Valves	

Radiological Survey Continuation Sheet

Page 6 of 21

Date 4/14/04

Room DECON 118W WZZ1

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
127		BENCHTOP SWIPE - LEFT	
128		- RIGHT BASIN	
129		DRAW above ALCOVE	
130		ALCOVE - LEFT RIGHT REAR	
131		- FLOOR	
132		DRAWs - TOP - OUTSIDE INSIDE	
133		- LOWER - OUTSIDE INSIDE	
134		CABINET - LEFT RIGHT	
135		- REAR shelf	
136		- Bottom	
137		- DOOR - OUTSIDE INSIDE	
138		DESKTOP SHELVES	
139		SUPPORTS	
140		DESKTOP	
141		DRAW ABOVE ALCOVE - OUTSIDE INSIDE	
142		ALCOVE - LEFT RIGHT REAR	
143		- FLOOR	
144		DESK DRAWs - TOP - OUTSIDE INSIDE	
145		- MID - OUTSIDE INSIDE	
146		- Bot - OUTSIDE INSIDE	
147		WALL CABINET #2 - OUTSIDE - Bottom	
148		- DOORS - OUT IN	
149		- shelves - up mid Low	
150		shelf UNDER CABINET	
151		WALL CABINET #3 - OUTSIDE Bottom	
152		- DOORS - OUTSIDE INSIDE	
153		- shelves - Top mid Low	

Radiological Survey Continuation Sheet

Page 7 of 21

Date 4/14/04

Room DECON 118W WZZ1

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
154		Shelf UNDER Wall CABINET	
155		WALL CABINET #4 - OUTSIDE / INSIDE BOTTOM	
156		- DOORS - OUTSIDE / INSIDE	
157		- Shelves - TOP / MID / LOW	
158		DESK Shelves	
159		SUPPORTS	
160		DESKTOP SWIPES	
161		DESK DRAWS - LEFT SIDE - TOP - OUTSIDE / INSIDE	
162		- MID - OUTSIDE / INSIDE	
163		- Bot - OUTSIDE / INSIDE	
164		DRAW ABOVE ALCOVE - OUTSIDE / INSIDE	
165		ALCOVE - LEFT / RIGHT / REAR	
166		- FLOOR	
167		METAL Shelves	
168		SUPPORTS	
169		BENCHTOP shelf	
170		Flow Valves	
171		BENCHTOP - LEFT / R	
172		- RIGHT / BASIN	
173		BENCHTOP DRAWS - LEFT - UPPER - OUTSIDE / INSIDE	
174		- LOWER - OUTSIDE / INSIDE	
175		DRAW ABOVE ALCOVE - OUTSIDE / INSIDE	
176		ALCOVE - LEFT / REAR / RIGHT	
177		- FLOOR	
178		METAL Shelves	
179		SUPPORTS	
180		BENCHTOP shelf	

Radiological Survey Continuation Sheet

Page 8 of 21

Date 4/14/04

Room DECON 118W W221

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
181		Flow Valves	
182		BENCHTOP - LEFT	
183		- RIGHT / BASIN	
184		BENCH DRAWS - LEFT - TOP - OUT / IN	
185		- UPPER MID - OUT / IN	
186		- LOWER MID - OUT / IN	
187		- Bottom - OUT / IN	
188		DRAW ABOVE ALCOVE - OUTSIDE / INSIDE	
189		ALCOVE - LEFT REAR RIGHT	
190		- FLOOR	
191		BENCH DRAWS - RIGHT - TOP - OUT / IN	
192		- UPPER MID - OUT / IN	
193		- LOWER MID - OUT / IN	
194		- Bottom - OUT / IN	
195		OUTSIDE DRAW UNIT - RIGHT SIDE	
196		METAL shelving Rack - TOP	
197		- UPPER MID	
198		- MID	
199		- LOWER MID	
200		- Bottom	
201		METAL shelves	
202		SUPPORTS	
203		BENCHTOP shelf	
204		Flow Valves	
205		BENCHTOP SWIPE - LEFT / BASIN	
206		- RIGHT	
207		DRAW UNIT - OUTSIDE LEFT	

Radiological Survey Continuation Sheet

Page 9 of 21

Date 4/14/04

Room DECON 118W U221

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
208		BENCH DRAWS - LEFT - TOP - OUTSIDE / INSIDE	
209		- UPPER MID - OUTSIDE / INSIDE	
210		- LOWER MID - OUTSIDE / INSIDE	
211		- BOTTOM - OUTSIDE / INSIDE	
212		DRAW ABOVE ALCOVE - OUTSIDE / INSIDE	
213		ALCOVE - LEFT / RIGHT / REAR	
214		- FLOOR	
215		METAL SHELVES	
216		SUPPORTS	
217		BENCH TOP shelf	
218		Flow Valves	
219		BENCH TOP SWIPES - LEFT - BASIN	
220		- RIGHT	
221		BENCH DRAWS - LEFT - TOP - OUTSIDE / INSIDE	
222		- UPPER MID - OUT / IN	
223		- LOWER MID - OUT / IN	
224		- BOTTOM - OUT	
225		DRAW ABOVE ALCOVE - OUTSIDE / INSIDE	
226		ALCOVE - LEFT / REAR / RIGHT	
227		- FLOOR	
228		BENCH DRAWS - RIGHT - UPPER - OUT / IN	
229		- LOWER - OUT / IN	
230		CABINET BEER UNDER DRAWS - DOOR - OUT / IN	
231		INSIDE - LEFT / RIGHT / REAR	
232		- shelf / BOTTOM	
233		DESKTOP SHELVES	
234		SUPPORTS	

Radiological Survey Continuation Sheet

Page 10 of 21

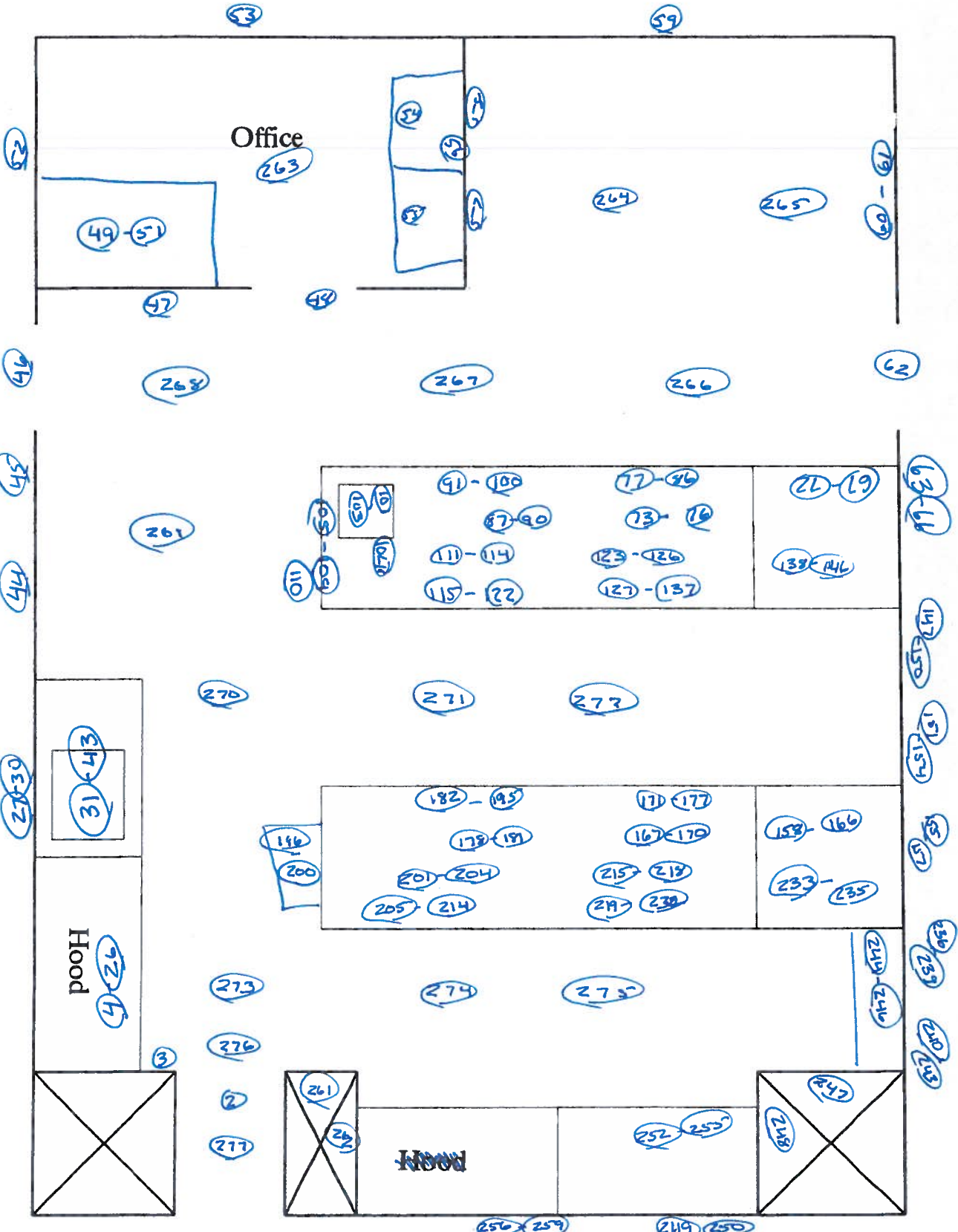
Date 4/14/04

Room DECON 118W W221

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
235		DESKTOP SWIPE	
236		WALL CABINET #5 - OUTSIDE / INSIDE / BOTTOM	
237		- DOORS - OUT / IN	
238		- Shelves - TOP / MID / BOT	
239		COUNTER UNDER CABINET	
240		WALL CABINET #6 - OUTSIDE - BOTTOM	
241		- DOORS - OUT / IN	
242		- Shelves - TOP / MID / BOTTOM	
243		COUNTER UNDER CABINET	
244		ALCOVE UNDER COUNTER - LEFT / RIGHT	
245		- REAR	
246		- FLOOR	
247		WALL TO THE RIGHT OF CABINETS - UPPER / LOWER	
248		WALL LEFT OF DESK - UPPER / LOWER	
249		WALL Shelves	
250		SUPPORTS	
251		DESKTOP	
252		DESK DRAWS - LEFT - OUTSIDE / INSIDE	
253		- Right - OUTSIDE / INSIDE	
254		ALCOVE UNDER DESK - LEFT / RIGHT / REAR	
255		- FLOOR	
256		WALL SHELVES	
257		SUPPORTS	
258		WALL UNDER SHELVES - Right	
259		- LEFT	
260		SM WALL BY SAFETY SHOWER - UPPER	
261		- MID	

Bld. 118W Room W221

Date: 4/11/04



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

[Signature]

O = wipe location

Protocol# 9 - Room Decon.lsa

Room Decon 118W W221

User: Peter Keefe

Page 13 of 21

Assay Definition-

Assay Description:
Rad Room Monthly Swipes

Assay Type: CPM
Report Name: Report1
Output Data Path: C:\Packard\Tricarb\Results\Peter Keefe\Room Decon
Raw Results Path: C:\Packard\Tricarb\Results\Peter Keefe\Room Decon\20040414_0720.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 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	12	4	19	
2	11	6	20	
3	16	8	30	
4	14	7	26	
5	15	8	29	
6	22	9	34	
7	7	6	20	
8	15	12	37	
9	20	6	29	
10	13	8	31	
11	14	5	27	
12	14	5	32	
13	15	5	28	

Protocol# 9 - Room Decon.lsa

Room Decon 118W W221

User: Peter Keefe

Page 14 of 21

14	14	6	23
15	15	4	24
16	11	9	28
17	15	17	39
18	18	9	39
19	8	10	22
20	15	6	26
21	18	7	29
22	15	8	30
23	15	8	32
24	11	6	21
25	14	3	26
26	15	6	22
27	21	5	28
28	16	5	25
29	15	5	28
30	11	5	25
31	7	6	18
32	26	7	40
33	17	4	25
34	8	11	26
35	7	5	14
36	3	6	18
37	11	12	28
38	12	10	28
39	13	6	22
40	14	3	22
41	14	5	26
42	15	1	22
43	17	8	34
44	6	6	22
45	14	6	25
46	15	8	32
47	24	5	34
48	16	11	33
49	13	7	23
50	27	11	45
51	12	2	25
52	23	10	38
53	15	6	24
54	12	5	22
55	13	6	31
56	15	10	28
57	18	5	33
58	18	6	30
59	16	4	30
60	17	7	32
61	17	8	29
62	21	4	32
63	9	7	23
64	8	12	25
65	9	12	24
66	18	5	28
67	12	7	22
68	18	2	27
69	14	7	29
70	4	5	14
71	10	7	24
72	11	10	25
73	10	5	26
74	15	10	37
75	12	5	23
76	12	10	31

Protocol# 9 - Room Decon.lsa

Room Decon 118W W221

User: Peter Keefe

Page 15 of 21

77	12	2	23
78	17	3	22
79	20	4	32
80	12	7	26
81	9	7	22
82	11	7	22
83	22	9	36
84	17	6	30
85	14	6	27
86	22	6	39
87	19	10	38
88	15	4	25
89	14	4	28
90	11	2	23
91	13	9	28
92	12	7	27
93	17	6	27
94	16	5	26
95	18	1	27
96	12	5	21
97	26	8	39
98	16	9	33
99	19	5	36
100	11	7	23
101	14	9	30
102	15	10	36
103	9	3	18
104	12	10	28
105	13	4	26
106	13	11	31
107	20	10	37
108	8	7	19
109	9	10	27
110	10	3	15
111	7	4	18
112	14	8	29
113	9	12	32
114	21	9	34
115	16	6	31
116	17	12	38
117	17	8	28
118	16	8	30
119	24	2	30
120	14	6	23
121	17	5	33
122	18	6	32
123	23	7	35
124	20	3	27
125	19	10	37
126	10	7	24
127	17	3	23
128	20	7	34
129	24	4	36
130	16	7	31
131	22	6	36
132	13	10	30
133	24	8	35
134	16	8	31
135	17	4	30
136	16	7	28
137	20	8	33
138	19	11	39
139	17	5	28

Protocol# 9 - Room Decon.lsa

Room Decon 118W W221

User: Peter Keefe

Page 16 of 21

140	14	7	29
141	18	8	36
142	20	11	38
143	14	1	20
144	17	2	25
145	16	11	33
146	14	9	28
147	13	9	27
148	16	13	35
149	20	9	34
150	17	8	27
151	16	8	34
152	16	6	28
153	15	3	24
154	21	8	41
155	22	9	37
156	21	6	31
157	20	5	33
158	21	12	44
159	10	6	20
160	23	5	38
161	19	12	39
162	9	12	28
163	12	4	20
164	16	6	27
165	15	9	31
166	16	9	31
167	8	6	19
168	16	8	30
169	14	4	27
170	9	8	26
171	12	6	24
172	6	12	21
173	11	9	26
174	15	7	27
175	15	6	27
176	24	7	43
177	15	10	31
178	14	6	28
179	16	7	29
180	10	6	25
181	21	6	31
182	20	7	33
183	16	2	25
184	12	9	28
185	12	7	24
186	16	6	27
187	13	9	30
188	15	8	31
189	15	10	35
190	15	7	30
191	9	8	23
192	11	7	26
193	13	8	29
194	18	8	33
195	12	12	26
196	21	10	39
197	22	5	32
198	13	3	23
199	13	9	24
200	16	4	28
201	20	5	29
202	37	6	49

Protocol# 9 - Room Decon.lsa

Room Decon 118W W221

User: Peter Keefe

Page 17 of 21

203	18	11	34
204	18	6	25
205	13	8	28
206	12	9	28
207	27	1	38
208	13	3	23
209	11	11	28
210	10	7	25
211	14	4	23
212	15	9	32
213	13	5	26
214	12	6	26
215	20	7	39
216	13	3	20
217	9	7	24
218	14	4	29
219	16	10	32
220	18	6	35
221	21	9	33
222	11	7	25
223	13	9	34
224	19	5	26
225	17	8	32
226	13	10	27
227	19	6	31
228	15	7	28
229	17	2	28
230	22	8	35
231	19	8	36
232	17	12	36
233	9	4	23
234	20	6	36
235	21	5	30
236	16	9	32
237	10	7	21
238	14	10	31
239	11	8	25
240	10	6	25
241	18	6	27
242	12	6	26
243	14	9	25
244	26	6	39
245	23	13	44
246	14	8	33
247	22	12	39
248	14	4	25
249	16	11	34
250	13	10	29
251	15	8	33
252	14	5	29
253	14	9	28
254	16	10	32
255	11	15	33
256	15	12	30
257	13	4	25
258	26	12	49
259	19	13	38
260	31	6	42
261	13	10	30
262	25	4	35
263	17	3	30
264	14	9	29
265	8	12	28

Protocol# 9 - Room Decon.lsa

Room Decon 118W W221

User: Peter Keefe

Page 18 of 21

266	19	8	34
267	15	3	25
268	22	11	41
269	17	9	30
270	13	2	24
271	18	8	32
272	22	15	49
273	17	9	34
274	25	6	38
275	24	5	36
276	17	9	28
277	29	9	43

Protocol# 9 - Room Decon.lsa

Room Decon 118W W221

User: Peter Keefe

Page 19 of 21

Assay Definition-

Assay Description:
Rad Room Monthly Swipes

Assay Type: CPM
Report Name: Report1
Output Data Path: C:\Packard\Tricarb\Results\Peter Keefe\Room Decon
Raw Results Path: C:\Packard\Tricarb\Results\Peter Keefe\Room Decon\20040414_2042.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 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	7	23	
2	16	9	34	BACKGROUND RESWIPE # 17
3	20	6	31	# 19
4	17	2	23	# 32
5	16	9	28	# 50
6	19	10	32	# 86
7	19	9	35	# 97
8	31	7	47	# 138
9	17	8	32	# 154
10	10	5	20	# 158
11	9	10	25	# 161
12	19	9	34	# 176
13	25	10	44	# 196

Protocol# 9 - Room Decon.lsa

Room Decon 118W W221

User: Peter Keefe

Page 20 of 21

				RESWIPE #
14	5	4	17	# 202
15	20	4	27	# 215
16	7	13	28	# 244
17	25	4	39	# 245
18	21	7	33	# 247
19	17	5	30	# 258
20	15	4	29	# 260
21	13	11	33	# 268
22	15	7	32	# 272
23	17	7	28	# 277

Protocol# 9 - Room Decon.lsa

Reswipe #138 W221

User: Pete Keefe

Page 21 of 21

Assay Definition-

Assay Description:

Assay Type: CPM

Report Name: Report1

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

Raw Results Path: C:\Packard\Tricarb\Results\Pete Keefe\Room Decon\20040415_0717.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

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	LUM
1	11	8	31		11 BACKGROUND
2	15	8	30		4 RESWIPE #138