

# Radiological Survey Sheet

Job Location PLZER 118B 8203 Page 1 of 10

Survey Purpose Room DECON Date 1/10/04

Performed by PETER KEEFE (Print)  (Sign)

<b>Instrument (Model/S/N)</b>	Packard Tri-Carb S/N 431521	Packard Tri-Carb S/N 431520	Ludlum 2241-2 163603	
<b>Det. (Model/SN)</b>	Internal	Internal	Ludlum 43-68 PR 149613	
<b>Type Rad.</b>	β	β	β	
<b>Cal. Due:</b>	10/24/04	10/24/04	6/25/04	
<b>Check Instruments Used</b>	X		X	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )	
1.	1000	BACKGROUND		
2.	↓	ENTRANCE DOOR		
3.		OVERHEAD CABINET #1 LEFT WALL - DOORS		
4.		INSIDE CABINET / shelves		
5.		OVERHEAD CABINET #2 LEFT WALL / DOORS		
6.		INSIDE CABINET / shelves		
7.		ELECTRICAL STRIP		
8.		FLOW VALVES		
9.		FAUCET / sm BASIN		
10.		BENCHTOP - LEFT		
11.		- middle		
12.		- Right		
13.		BENCHTOP DRAWERS #1-4 outside / inside		
14.		sm draw #5		
15.		alcove under sm draw		
16.		BENCHTOP DRAWERS #6-#9 outside / inside		
17.		shelves ON LEFT WALL		
18.		1000	shelf supports	

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Date 1/10/04

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
19	1000	Glass RACK	
20		TOWEL DISPENSER	
21		FAUCET / EYEWASH STATION	
22		SINK BASIN - FRONT	
23		- REAR	
24		- LEFT	
25		- Right	
26		- Bottom	
27		- DRAIN	
28		CABINET UNDER SINK - DOORS	
29		INSIDE LEFT   REAR   Right   FLOOR	
30		Right side of CABINET	
31		FILE CABINET - OUTSIDE	
<del>DRINK #1 - #4 outside inside</del>			
32		OFFICE DOOR	
33		DESKTOP SWIRE - LEFT	
34		- Right	
35		shelFs ON WALL	
36		shelF supports	
37		DRAWS - LEFT side of desk	
38		DRAWS - Right side of desk	
39		ALOVE UNDER desk - LEFT	
40		- Right	
41		OFFICE WALL SWIDES	
42		OFFICE WALL SWIDES	
43		shelFs ON WALL   LEFT	
44	1000	shelF supports	

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PFIZER 118B B203

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
45	1000	Shelves on wall / right	
46		shelf supports	
47		DESK SWIPE - LEFT	
48		- Right	
49		DESK DRAWS - LEFT SIDE	
50		- Right side	
51		ALCOVE UNDER DESK - LEFT	
52		- Right	
53		Shelves on right wall - Right side	
54		shelf supports	
55		Shelves on right wall - LEFT SIDE	
56		shelf supports	
57		GARAGE DOOR	
58		LAB DOOR	
59		METAL / PLASTIC shelves	
60		BENCHTOP SWIPE - LEFT	
61		- middle - BASIN	
62		- Right - BASIN	
63		Shelves UNDER BENCHTOP	
64		CABINET OVER BENCH - DOORS	
65		· INSIDE CABINET - Left   REAR   Right   BOTTOM	
66		· shelves	
67		CABINET OVER BENCH - DOORS	
68		· INSIDE CABINET - LEFT   REAR   Right   Bottom	
69		· SHELVES	
70	↓	Electrical strip / FLOW VALVES	
71	1000	BENCHTOP DRAWS # 1 - # 4 outside / inside	

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Date 1/10/04

PRIZER 118 B B203

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
72	1000	BENCHTOP DRAW (sm) # 5	
73		ALCOVE UNDER DRAW	
74		BENCHTOP DRAW # 6 - # 9	
75		SM. DRAW # 10	
76		ALCOVE UNDER BENCHTOP	
77		END OF BENCHTOP - LEFT	
78		- middle	
79		- Right	
80		DRAW UNDER END OF BENCHTOP # 1 - # 4 outside / inside	
81		METAL SHELF	
82		DRAW UNDER END OF BENCHTOP # 5 outside / inside	
83		CABINET DOOR	
84		INSIDE CABINET - LEFT / REAR / Right / Bottom / shelves	
85		CABINET OVER BENCHTOP DOORS	
86		INSIDE - LEFT / REAR / Right / FLOOR	
87		shelves	
88		CABINET OVER BENCHTOP DOORS	
89		INSIDE - LEFT / REAR / Right / FLOOR	
90		shelves	
91		Electrical strip / Flow Valves	
92		BENCHTOP swipe - LEFT - BASIN	
93		- middle - BASIN	
94		- Right	
95		sm draw # 1 under bench	
96		alcove under draw	
97	↓	BENCHTOP DRAW # 2 - # 5 outside / inside	
98	1000	BENCHTOP sm. draw # 6 outside	

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Date 11/10/04

Pflizer 118B B203

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
99	1000	ALCOVE UNDER SM. DRAW	
100		BENCHTOP DRAW # 7-#10 outside - inside	
101		ALCOVE UNDER BENCHTOP	
102		SM WALL	
103		BENCHTOP SWIDE - LEFT	
104		- MIDDLE	
105		- RIGHT	
106		ALCOVE UNDER BENCHTOP	
107		(CABINET OVER BENCHTOP (LEFT) DOORS	
108		· INSIDE CABINET · LEFT   REAR   RIGHT   BOTTOM	
109		· Shelves	
110		CABINET OVER BENCHTOP (RIGHT) DOORS	
111		· INSIDE CABINET - LEFT   REAR   RIGHT   BOTTOM	
112		· Shelves	
113		ELECTRICAL STRIP   FLOW VALVES	
114		BENCHTOP DRAW # 1-#4 - outside   inside	
115		BENCHTOP DRAW # 5-#8 - outside   inside	
116		SM. BENCHTOP DRAW # 9	
117		ALCOVE UNDER DRAW	
118		BENCHTOP DRAW # 10-#13 outside   inside	
119		END OF BENCHTOP - LEFT	
120		- MIDDLE	
121		- RIGHT	
122		END OF BENCHTOP DRAW # 1-#4 outside   inside	
123		END OF BENCHTOP DRAW # 5 outside inside	
124	↓	CABINET - DOORS	
125	1000	INSIDE CABINET   shelf	

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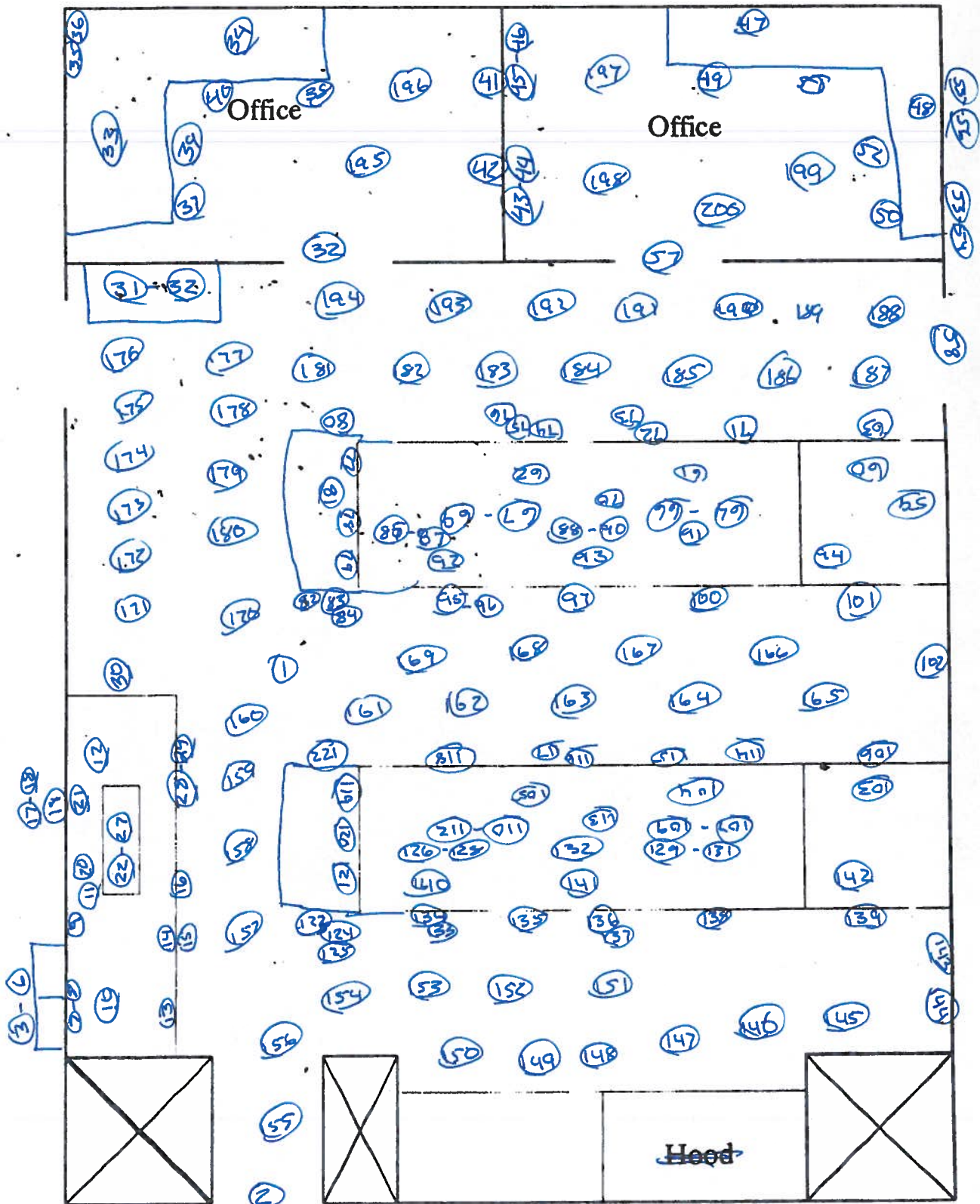
Date 1/10/04

Pflizer 118 B B203

No.	Time	Locations	
		See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )	
126	1000	CABINET OVER BENCHTOP - DOORS	
127		· INSIDE CABINET - LEFT   REAR   Right   BOTTOM	
128		· SHELVES	
129		CABINET OVER BENCHTOP - DOORS	
130		· INSIDE CABINET - LEFT   REAR   Right   BOTTOM	
131		· shelves	
132		ELECTRICAL STRIP   Flow Valves	
133		BENCHTOP sm. DRAW #1	
134		· ACROSS UNDER DRAW	
135		BENCHTOP DRAW #2 - #5 outside / inside	
136		BENCHTOP sm. DRAW #6	
137		· ACROSS UNDER DRAW	
138		BENCHTOP DRAW # 7 - #10 outside / inside	
139		Shelves under benchtop	
140		BENCHTOP SWIPES - LEFT - BASIN	
141		- middle - BASIN	
142		- Right	
143		ELECTRICAL STRIP	
144		shelf	
145		FLOOR swipes	
↓	↓	↓ ↓	
200	1000	FLOOR swipes	

**Bld. 118B Room B203**

Date: 1/10/04



O = wipe location

All LOWER SURFACES found to be within limits using Lockman 2241-2.

(u)

Protocol# 9 - Room Decon.lsa

Room Decon 118B B203

User: Pete Keefe

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\20040110\_0721.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	7	8	23		62
2	8	8	22		52
3	10	8	24		50
4	13	12	33		38
5	3	7	16		65
6	10	4	22		45
7	15	6	33		39
8	9	5	20		48
9	15	13	34		30
10	10	7	22		42
11	13	8	25		34
12	12	3	24		43
13	20	12	39		23



Room Decon 118B B203

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

Protocol# 9 - Room Decon.lsa

Room Decon 118B B203

User: Pete Keefe

77	18	1	26	28
78	13	6	23	28
79	9	5	20	35
80	15	4	25	32
81	10	6	20	36
82	14	6	26	27
83	17	5	26	23
84	5	9	18	33
85	10	7	24	30
86	11	8	26	32
87	10	9	24	26
88	12	4	24	32
89	16	8	32	19
90	11	7	29	27
91	11	9	30	25
92	11	9	26	25
93	15	3	23	29
94	15	9	28	31
95	15	5	25	31
96	17	8	34	23
97	17	4	32	26
98	12	10	31	23
99	15	7	28	23
100	23	4	31	21
101	25	8	38	16
102	10	8	25	29
103	11	5	20	32
104	21	8	38	20
105	8	3	21	40
106	22	6	31	24
107	33	6	50	14
108	12	13	29	23
109	13	5	26	29
110	17	9	33	17
111	16	5	27	21
112	9	7	23	26
113	12	4	21	30
114	16	5	31	30
115	16	7	29	29
116	16	7	27	28
117	16	14	40	18
118	19	11	43	18
119	8	8	23	46
120	19	6	36	23
121	14	4	24	27
122	7	11	23	29
123	13	4	22	29
124	4	4	12	50
125	11	4	20	28
126	4	10	17	40
127	9	12	29	31
128	18	7	37	23
129	5	2	14	55
130	8	6	16	35
131	16	8	29	23
132	20	8	34	21
133	19	3	31	29
134	7	10	26	29
135	9	9	21	29
136	7	5	15	44
137	17	7	33	21
138	17	12	34	20
139	12	6	22	38

OK for pre release *DKM*  
1/13/04

Protocol# 9 - Room Decon.lsa

User: Pete Keefe

Room Decon 118B B203

140	7	10	23	30
141	15	3	26	24
142	17	11	30	19
143	12	8	22	27
144	24	8	41	18
145	11	5	25	32
146	12	9	29	21
147	10	3	22	37
148	17	8	32	21
149	9	5	24	40
150	7	6	22	43
151	17	10	34	19
152	8	6	22	35
153	14	9	27	24
154	17	7	32	27
155	22	6	31	19
156	15	9	34	23
157	15	6	30	24
158	21	7	30	24
159	6	8	18	35
160	12	7	33	26
161	11	11	28	23
162	11	5	24	30
163	15	11	34	26
164	13	7	26	25
165	22	7	37	16
166	13	5	24	35
167	16	7	27	24
168	10	11	33	24
169	17	13	39	15
170	10	10	28	32
171	14	6	27	27
172	9	3	21	39
173	11	10	26	24
174	25	12	46	16
175	7	6	20	43
176	8	10	24	33
177	4	6	16	50
178	7	10	24	30
179	6	12	23	24
180	9	4	20	48
181	13	9	25	23
182	9	6	20	33
183	16	4	29	25
184	10	3	18	37
185	15	4	26	28
186	10	3	18	35
187	10	6	26	32
188	9	7	21	32
189	16	5	28	24
190	17	8	30	23
191	16	11	37	24
192	9	8	21	29
193	11	5	24	32
194	15	6	28	24
195	19	12	36	17
196	13	8	24	24
197	13	9	31	25
198	10	5	23	38
199	8	7	23	33
200	11	6	26	29