

# Radiological Survey Sheet

Job Location PFIZER INC, GASTON, CT, 06340 Page 1 of 21

Survey Purpose DECOMMISSIONING OF U8W/ U16 Date 10-28-09

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.	$\beta$	$\beta$	$\beta$	$\beta$
Cal. Due:	04/03/2010	04/03/2010	04/07/2010	04/03/2010
Check Instruments Used	✓		✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
1.	1200	BACKGROUND	
2.		UPPER door	
3.		LOWER "	
4.		FLOOR	
5.		LEFT SIDE OF HOOD	
6.		TOP BACK OF HOOD LEFT	
7.		TOP MIDDLE BACK (MIDDLE) OF HOOD	
8.		TOP BACK OF HOOD RIGHT	
9.		BOTTOM LEFT OF HOOD	
10.		RIGHT SIDE OF HOOD (BACK) LOWER	
11.		MIDDLE OF HOOD BACK LOWER	
12.		RIGHT SIDE " " BACK LOWER	
13.		BOTTOM MIDDLE OF HOOD	
14.		" RIGHT " "	
15.		HOOD SASH INSIDE	
16.		" " OUTSIDE	
17.		LEFT SIDE OF HOOD OUTSIDE	
18.	✓	RIGHT " " "	

# Radiological Survey Continuation Sheet

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Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
19	1230	Hood LIP OUTSIDE	
20		CAB. DOORS & HANDLS	
21		INSIDE CAB	
22		CAB DOORS & HANDLS	
23		INSIDE CAB	
24		SIDE OF HOOD	
25		TOP SHELF	
26		2ND "	
27		3RD "	
28		4TH "	
29		TOP SHELF	
30		2ND "	
31		WALL	
32		"	
33		SINK AREA	
34		BENCH	
35		CAB DOORS & HANDLS	
36		LEFT SIDE OF CAB	
37		RIGHT " " "	
38		DRAWERS & HANDLS	
39		TOP DRAWER	
40		2ND "	
41		3RD "	
42		4TH "	
43		UPPER WALL	
44		LOWER "	
45	✓	UPPER "	

# Radiological Survey Continuation Sheet

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Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
46	1230	LOWER WALL	
47		FLOOR	
48		FLOOR	
49		FLOOR	
50		FLOOR	
51		FLOOR	
52		UPPER DOOR	
53		LOWER DOOR	
54		FLOOR	
55		UPPER WALL	
56		LOWER "	
57		TOP SHELF	
58		2ND "	
59		3RD "	
60		LEDGE	
61		SHELF	
62		DESK	
63		CAB DOORS & HANDLS	
64		TOP DRAWER	
65		2ND "	
66		3RD "	
67		CA DRAWER	
68		DRAWERS & HANDLS	
69		1ST DRAWER	
70		2ND "	
71		3RD "	
72	✓	CAB DOORS & HANDLS	

# Radiological Survey Continuation Sheet

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Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
73	1230	TOP DRAWER	
74		2ND "	
75		3RD "	
76		4TH "	
77		DRAWER	
78		DRAWERS & HANDLS	
79		TOP DRAWER	
80		2ND "	
81		3RD "	
82		4TH "	
83		TOP SHELF	
84		2ND "	
85		3RD "	
86		TOP "	
87		2ND "	
88		3RD "	
89		TOP "	
90		2ND "	
91		3RD "	
92		BENCH	
93		BENCH	
94		"	
95		"	
96		"	
97		CUP	
98		CUP	
99	✓	FLOOR	

# Radiological Survey Continuation Sheet

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Date 10-28-08

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
100	1230	FLOOR	
101		FLOOR	
102		FLOOR	
103		SIDE OF CAB	
104		SINK AREA	
105		CAB. DOORS & HANDLS	
106		LEFT SIDE OF CAB,	
107		RIGHT " " "	
108		SIDE OF CAB	
109		BENCH	
110		BENCH	
111		BENCH	
112		"	
113		<del>EAST</del> DRAWERS & HANDLS	
114		TOP DRAWER	
115		2ND "	
116		" "	
117		4TH "	
118		DRAWERS & HANDLS	
119		TOP DRAWER	
120		2ND "	
121		3RD "	
122		4TH "	
123		DRAWER	
124		DRAWERS & HANDLS	
125		TOP DRAWER	
126	✓	2ND "	

# Radiological Survey Continuation Sheet

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Date 10.28.88

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
127	1230	TOP SHELF	
128		2ND "	
129		SHELF	
130		DESK	
131		TOP SHELF	
132		2ND "	
133		3RD "	
134		4TH "	
135		TOP "	
136		2ND "	
137		3RD "	
138		4TH "	
139		TOP "	
140		2ND "	
141		3RD "	
142		4TH "	
143		UPPER WALL	
144		" "	
145		" "	
146		HEDGE	
147		HEDGE	
148		LOWER WALL	
149		" "	
150		BENCH	
151		BENCH	
152		"	
153	✓	"	

# Radiological Survey Continuation Sheet

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Date 10-28-07

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
154	1230	BENCH	
155		"	
156		TOP SHELF	
157		2ND "	
158		2RD "	
159		TOP "	
160		2ND "	
161		2RD "	
162		CUP	
163		CUP	
164		LEFT CAB DOOR S & HANDLS	
165		RIGHT " " "	
166		LEFT 1ST SMALL DRAWER	
167		" 2ND " "	
168		RIGHT 1ST " "	
169		" 2ND " "	
170		LEFT 2ND DRAWER DOWN	
171		RIGHT " " "	
172		↳ 3RD DRAWER "	
173		4TH " "	
174		DRAWERS & HANDLS	
175		TOP DRAWER	
176		AND "	
177		TOP SHELF	
178		BOTTOM "	
179		DRAWER	
180	✓	LEFT DOORS & HANDLS (DRAWERS)	

# Radiological Survey Continuation Sheet

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Date 10-23-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
181	1230	RIGHT DRAWERS & HANDLS	
182		LEFT TOP SMALL DRAWER	
183		" BOTTOM " "	
184		RIGHT TOP " "	
185		" BOTTOM " "	
186		1ST BIG DRAWER	
187		2ND " "	
188		LEFT DRAWERS & HANDLS	
189		RIGHT " "	
190		LEFT TOP SMALL DRAWER	
191		" <sup>2ND</sup> BOTTOM " "	
192		" BOTTOM " "	
193		RIGHT TOP " "	
194		" 2ND " "	
195		1ST BIG " "	
196		2ND " "	
197		SIDE OF CAB	
198		" " "	
199		BENCH	
200		BENCH	
201		"	
202		"	
203		BENCH	
204		"	
205		UPPER WALL	
206		" "	
207	✓	TOP SHELF	



# Radiological Survey Continuation Sheet

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Date 10-28-07

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
208	1730	2ND 9 421 F	
209		3RD "	
210		4TH "	
211		TOP "	
212		2ND "	
213		3RD "	
214		4TH "	
215		LEFT DRAWER & HANDLS	
216		RIGHT " "	
217		TOP LEFT DRAWER	
218		2ND " "	
219		1ST RIGHT "	
220		2ND " "	
221		3RD " "	
222		1ST BIG "	
223		2ND BIG "	
224		LEFT DRAWER & HANDLS	
225		RIGHT " "	
226		LEFT TOP DRAWER	
227		LEFT 2ND "	
228		RIGHT TOP "	
229		" 2ND "	
230		1ST BIG "	
231		2ND " "	
232		DRAWER & HANDLS	
233		TOP DRAWER	
234	✓	2ND "	

# Radiological Survey Continuation Sheet

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Date 10-28-69

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
235	12:30 <del>12:30</del>	TOP SHELF	
236		BOTTOM "	
237		LEFT DOORS & HANDLS	
238		RIGHT " & "	
239		LEFT 1ST SMALL DRAWER	
240		" 2ND " "	
241		RIGHT 1ST DRAW "	
242		" 2ND " "	
243		LEFT 2ND DRAWER DOWN	
244		RIGHT " " "	
245		1ST BIG "	
246		2ND " "	
247		LOWER WALL	
248		" "	
249		UPPER "	
250		LOWER "	
251		UPPER "	
252		LOWER "	
253		HOOD LEFT SIDE	
254		" BACK LEFT	
255		" " MIDDLE	
256		" " RIGHT	
257		" RIGHT SIDE	
258		" BOTTOM LEFT	
259		" " MIDDLE	
260		" " RIGHT	
261	✓	SX " JAGH INSIDE	

# Radiological Survey Continuation Sheet

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Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
262	1230	HOOD SASH OUTSIDE	
263		RIGHT SIDE OF HOOD	
264		LEFT " " "	
265		UPPER WALL	
266		UPPER "	
267		LOWER "	
268		FLOOR	
269		"	
270		"	
271		"	
272		"	
273		"	
274		"	
275		TOP SHELF	
276		2ND "	
277		3RD "	
278		TOP "	
279		2ND "	
280		3RD "	
281		DESK	
282		"	
283		TOP SHELF	
284		TOP "	
285		LEFT door of CAB	
286		RIGHT " "	
287		LEFT CAB doors	
288	↓	TOP CAB	

# Radiological Survey Continuation Sheet

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Date 10-28-08

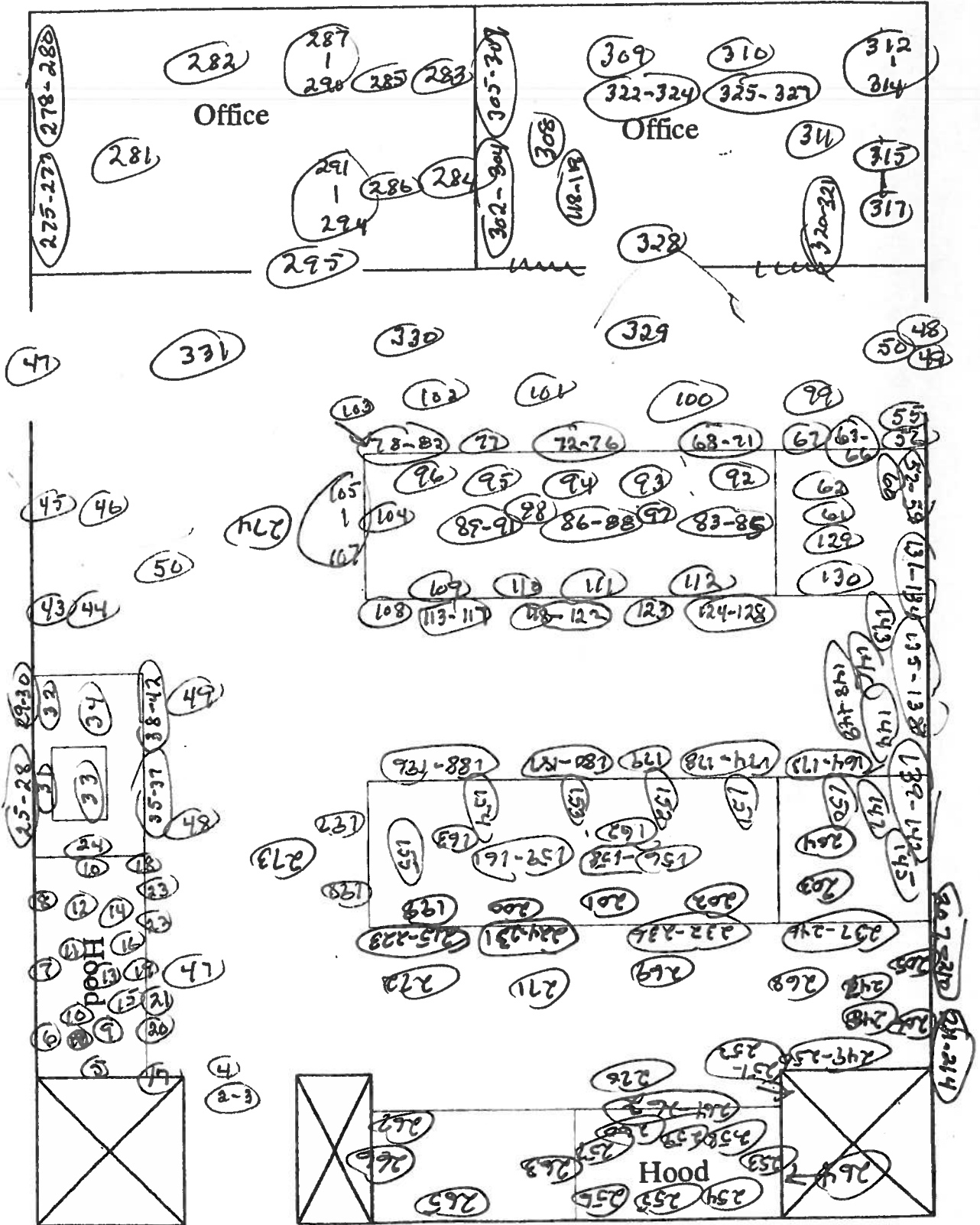
No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
289	1230	2nd CAB	
290		3rd "	
291		RIGHT CAB doors	
292		TOP "	
293		2nd "	
294		3rd "	
295		FLOOR	
296		UPPER GLASS	
297		LOWER "	
298		UPPER "	
299		LOWER "	
300		UPPER door	
301		LOWER "	
302		TOP SHELF	
303		2ND "	
304		3RD "	
305		TOP "	
306		2ND "	
307		3RD "	
308		DESK	
309		"	
310		"	
311		"	
312		TOP SHELF	
313		2ND "	
314		3R "	
315		TOP "	

# Radiological Survey Continuation Sheet

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Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
316	1230	2ND SHELF	
317		3RD "	
318		DESK TOP DRAWER	
319		" BOTTOM "	
320		" TOP "	
321		" BOTTOM "	
322		TOP DRAWER	
323		2ND "	
324		3RD "	
325		TOP "	
326		2ND "	
327		3RD "	
328		FLOOR	
329		"	
330		"	
331	∇	"	
332			
333			
334			
335			
336			
337			
338			
339			
340			
341			
342			



Surveyed 100% of lower surfaces using 43-68. NO FINDINGS IN EXCESS OF NORMAL BACKGROUND WERE OBSERVED.

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\20091029\_0523  
\20091029\_0523.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): 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: 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	15	8	26	
2	10	10	23	
3	14	4	23	
4	10	8	25	
5	7	8	23	
6	5	2	13	
7	11	4	23	
8	11	4	25	
9	531	16	555	
10	12	3	25	

11	18	4	31
12	10	8	22
13	12	4	17
14	7	4	14
15	15	7	28
16	16	7	31
17	18	5	26
18	6	6	17
19	6	3	14
20	13	6	21
21	6	5	15
22	9	8	22
23	2	10	16
24	6	8	18
25	15	6	30
26	8	6	16
27	5	8	17
28	1	5	14
29	13	7	26
30	24	7	37
31	8	7	20
32	8	5	16
33	8	8	20
34	13	10	27
35	18	6	27
36	8	6	21
37	10	8	26
38	22	9	37
39	3	6	15
40	22	5	31
41	15	9	29
42	9	5	22
43	12	3	24
44	23	5	34
45	11	5	21
46	6	7	17
47	28	4	38
48	7	5	16
49	12	1	22
50	15	5	25
51	5	6	14
52	15	5	26
53	9	4	19
54	15	7	32
55	22	10	36
56	19	7	32
57	4	9	17
58	3	9	18
59	20	10	34
60	10	9	27
61	9	10	22
62	10	9	24
63	10	6	26
64	8	8	20
65	11	10	24
66	15	8	28
67	21	6	32
68	6	7	18
69	16	6	26
70	4	7	15
71	3	6	12
72	0	4	5



Protocol# 4 - Eds Monthly Swipes.lsa

User: Ed Gailor

73	15	8	24
74	17	3	24
75	16	6	28
76	12	8	25
77	11	10	29
78	10	9	26
79	20	6	33
80	15	6	29
81	18	8	28
82	0	9	7
83	13	11	27
84	14	7	24
85	2	7	16
86	4	6	17
87	9	5	20
88	19	5	34
89	17	7	29
90	17	7	29
91	8	6	23
92	6	4	19
93	25	4	35
94	15	10	29
95	6	10	19
96	18	9	33
97	7	3	16
98	3	9	15
99	7	4	14
100	0	7	16
101	12	7	25
102	9	15	29
103	8	3	19
104	9	6	17
105	13	5	22
106	12	4	23
107	13	5	22
108	13	5	29
109	1	4	6
110	21	6	34
111	18	9	32
112	11	7	22
113	21	5	32
114	0	6	7
115	5	8	23
116	4	6	14
117	3	6	13
118	6	9	20
119	11	13	31
120	8	7	18
121	6	13	25
122	14	3	23
123	0	5	15
124	11	6	24
125	15	8	26
126	10	4	17
127	14	4	23
128	7	6	20
129	4	6	18
130	0	11	14
131	11	6	21
132	6	3	16
133	11	11	29
134	17	5	23
135	7	5	18

136	18	6	26
137	6	3	15
138	11	7	27
139	24	5	38
140	7	7	20
141	4	9	20
142	20	9	32
143	12	8	24
144	8	7	24
145	9	4	18
146	19	6	32
147	7	8	24
148	18	5	29
149	11	8	26
150	15	9	27
151	9	8	24
152	14	7	25
153	18	3	28
154	11	2	15
155	0	8	11
156	7	9	24
157	10	9	26
158	14	5	28
159	32	9	50
160	4	7	21
161	18	11	31
162	15	8	27
163	2	4	9
164	6	10	22
165	12	15	38
166	14	5	26
167	22	6	31
168	12	10	26
169	12	8	25
170	13	6	31
171	10	4	23
172	16	3	22
173	2	5	11
174	9	7	19
175	26	9	42
176	19	6	32
177	0	8	9
178	27	4	40
179	0	8	13
180	17	5	27
181	19	5	26
182	21	3	26
183	5	7	18
184	22	3	31
185	15	7	28
186	21	6	37
187	17	3	31
188	14	6	27
189	11	3	25
190	11	9	26
191	16	6	26
192	11	3	23
193	13	9	28
194	8	7	18
195	16	8	28
196	0	10	12
197	19	11	36
198	4	8	20

199	1	9	16
200	11	4	20
201	10	7	22
202	9	5	17
203	10	4	18
204	3	5	11
205	8	4	19
206	11	5	18
207	12	7	22
208	21	9	37
209	20	4	28
210	29	5	42
211	13	6	23
212	9	5	21
213	18	5	25
214	26	5	35
215	10	10	24
216	16	8	25
217	11	11	29
218	0	13	5
219	1	4	10
220	0	7	11
221	9	6	19
222	10	7	21
223	11	11	26
224	0	4	6
225	23	8	41
226	14	9	31
227	3	7	16
228	12	8	26
229	0	7	6
230	20	5	35
231	17	4	26
232	2	4	10
233	4	4	12
234	0	6	11
235	7	7	18
236	41	5	48
237	2	8	16
238	23	2	28
239	15	6	25
240	9	4	25
241	7	6	23
242	7	8	23
243	12	10	31
244	5	3	12
245	1	7	12
246	22	8	33
247	6	5	15
248	15	10	35
249	14	6	26
250	5	11	19
251	10	6	21
252	0	5	7
253	11	7	25
254	22	6	40
255	13	6	29
256	12	9	23
257	6	8	19
258	2	2	8
259	10	12	24
260	5	10	22
261	8	6	21

262	0	0	3
263	8	9	20
264	4	7	18
265	22	7	34
266	11	10	32
267	14	11	28
268	15	12	40
269	10	4	19
270	6	9	20
271	1	10	19
272	7	7	17
273	12	7	27
274	4	7	14
275	1	10	20
276	16	2	23
277	9	3	17
278	19	8	32
279	3	9	23
280	2	8	14
281	14	4	25
282	7	6	15
283	5	7	16
284	30	14	51
285	5	5	16
286	7	8	21
287	8	4	15
288	23	8	33
289	14	2	27
290	10	5	18
291	0	6	18
292	3	7	15
293	21	9	33
294	0	9	15
295	22	14	39
296	27	4	33
297	15	3	23
298	0	8	8
299	16	8	27
300	11	3	19
301	16	2	28
302	31	4	41
303	2	9	18
304	15	3	26
305	14	6	29
306	11	3	20
307	11	3	16
308	16	6	31
309	10	8	23
310	12	8	23
311	4	10	17
312	13	6	21
313	0	3	8
314	8	6	21
315	12	4	24
316	8	6	22
317	0	4	8
318	21	5	34
319	13	3	27
320	0	5	0
321	3	8	21
322	7	9	21
323	8	4	14
324	0	3	7

325	0	4	9
326	10	6	19
327	16	4	25
328	6	7	18
329	6	7	17
330	5	10	21
331	3	15	24

Note: All results are SATISFACTORY except #9 which is the cup hole.

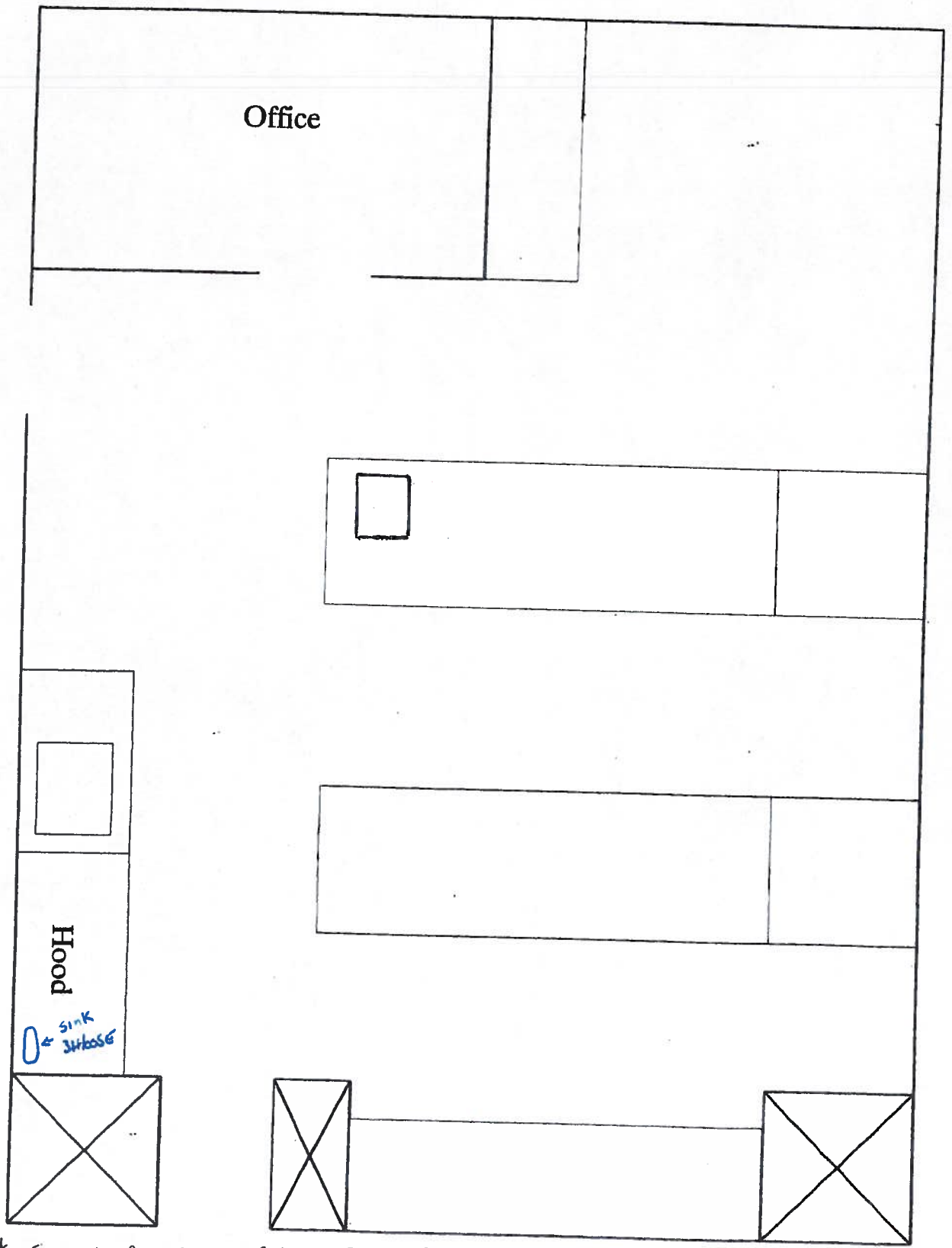
See rpt dtd 10/30/09. Wt Calver

Note: Above mentioned rpt documents that the cup hole in the hood has contamination and at some point needs to be removed.  
Wt Calver

Bld. 118W Room W <sup>116.</sup> ~~114~~

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Date: 10-30-09



\* Cup sink disposed as radioactive waste.