

Radiological Survey Sheet

Job Location PRIZER INC. GASTON CT 06340 Page 1 of 20

Survey Purpose DECOMMISSIONING OF 118W / W112 Date 11-9-09

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.	β	β	β	β
Cal. Due:	04/03/2010	04/03/2010	04/07/2010 ²¹ ₉₉	04/03/2010
Check Instruments Used	✓		✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
1.	1045	BACKGROUND	
2.		UPPER door	
3.		LOWER "	
4.		FLOOR	
5.		UPPER WALL	
6.		LOWER "	
7.		UPPER "	
8.		LOWER "	
9.		UPPER "	
10.		LOWER "	
11.		UPPER "	
12.		LOWER "	
13.		UPPER "	
14.		LOWER "	
15.		UPPER "	
16.		LOWER "	
17.		FLOOR	
18.	✓	FLOOR	

Radiological Survey Continuation Sheet

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
19	1045	FLOOR	
20		FLOOR UNDER BENCH	
21		TOP SHELF	
22		2ND "	
23		3RD "	
24		WALL	
25		TOP SHELF	
26		2ND "	
27		3RD "	
28		WALL "	
29		WALL	
30		TOP SHELF	
31		2ND "	
32		3RD "	
33		WALL	
34		BENCH	
35		"	
36		"	
37		"	
38		CAB DOORS & HANDLS	
39		" TOP SHELF	
40		" 2ND "	
41		" DOORS & HANDLS	
42		" TOP SHELF	
43		" 2ND "	
44		CAB DOORS & HANDLS	
45	✓	CAB TOP SHELF	

Radiological Survey Continuation Sheet

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Date 11-9-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
46	1045	CAB 2ND SHELF	
47		SHELF	
48		"	
49		CUP	
50		BENCH	
51		BENCH	
52		TOP DRAWER & HNDL	
53		2ND " " "	
54		CAB " " HNDL	
55		INSIDE CAB	
56		DRAWER & HNDL	
57		DRAWER & HNDLS	
58		TOP DRAWER	
59		2ND "	
60		3RD "	
61		4TH "	
62		FLOOR	
63		"	
64		"	
65		"	
66		"	
67		"	
68		"	
69		"	
70		BENCH	
71		"	
72	✓	BENCH	

Radiological Survey Continuation Sheet

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Date 11-7-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
73	1045	LEFT DRAWER & HANDLS	
74		RIGHT " "	
75		TOP LEFT DRAWER	
76		2ND " DRAWER	
77		TOP RIGHT " "	
78		2ND " "	
79		3RD " "	
80		1ST BKG " "	
81		2ND BKG " "	
82		TOP DRAWER	
83		2ND " "	
84		CAB DOOR & HANDL	
85		INSIDE CAB	
86		TOP DRAWER	
87		2ND " "	
88		CAB DOOR & HANDL	
89		INSIDE CAB	
90		CAB DOORS & HANDLS	
91		TOP SHELF	
92		2ND " "	
93		3RD " "	
94		4TH " "	
95		CAB DOORS & HANDLS	
96		TOP SHELF	
97		2ND " "	
98		3RD " "	
99	✓	UPPER WALL	

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Date 11-9-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
100	1045	LOWER WALL	
101		LEDGE	
102		"	
103		SHELF	
104		DESIC	
105		CAB DOOR & HANDLS	
106		TOP SHELF	
107		2ND "	
108		3RD "	
109		4TH "	
110		TOP DRAWER	
111		2ND "	
112		BOTTOM "	
113		DRAWER	
114		TOP DRAWER	
115		2ND "	
116		CAB DOOR & HANDLS	
117		IN SIDE CAB	
118		INS DRAWER	
119		DRAWER & HANDLS	
120		TOP DRAWER	
121		2ND "	
122		3RD "	
123		4TH "	
124		DRAWER	
125		DRAWERS & HANDLS	
126	✓	TOP DRAWER	

Radiological Survey Continuation Sheet

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Date 11-9-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
127	1045	2ND DRAWER	
128		3RD "	
129		4TH "	
130		CAB. DOORS & HANDLS	
131		TOP SHELF	
132		2ND "	
133		3RD "	
134		CAB DOORS & HANDLS	
135		TOP SHELF	
136		2ND "	
137		3RD "	
138		CAB DOORS & HANDLS	
139		TOP SHELF	
140		2ND "	
141		3RD "	
142		SHELF	
143		"	
144		"	
145		CUP	
146		"	
147		BENCH	
148		"	
149		"	
150		SINK AREA	
151		FLOOR	
152		FLOOR	
153	✓	FLOOR	

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Date 11-9-08

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
154	1045	FLOOR	
155		"	
156		"	
157		BENCH	
158		LEFT CAB DOOR & HNDL	
159		INSIDE LEFT CAB	
160		RIGHT CAB DOOR & HNDL	
161		INSIDE RIGHT CAB	
162		CAB DOORS & HNDLS	
163		TOP SHELF	
164		2ND "	
165		3RD "	
166		CAB DOORS & HNDLS	
167		TOP SHELF	
168		2ND "	
169		3RD "	
170		CAB DOORS & HNDLS	
171		TOP SHELF	
172		2ND "	
173		3RD "	
174		BENCH	
175		"	
176		"	
177		SHELF	
178		DESK	
179		DRAWERS & HNDLS	
180	↓	TOP DRAWER	

Radiological Survey Continuation Sheet

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Date 11/9/07

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
181	1045	2ND DRAWER	
182		2RD "	
183		4TH "	
184		DRAWERS & HANDLES	
185		TOP DRAWER	
186		2ND "	
187		2RD "	
188		4TH "	
189		DRAWER	
190		TOP DRAWER	
191		2ND "	
192		CABIN door & HANDLE	
193		WISS INSIDE CAB	
194		DRAWER	
195		TOP DRAWER	
196		2ND "	
197		2RD "	
198		UPPER door	
199		LOWER "	
200		FLOOR	
201		UPPER WALL	
202		LOWER "	
203		UPPER WALL	
204		LOWER WALL	
205		UPPER GLASS	
206		LOWER "	
207	✓	UPPER door	

Radiological Survey Continuation Sheet

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Date 11-9-07

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
208	1045	LOWER DOOR	
209		UPPER GLASS	
210		LOWER "	
211		LEFT SHELF'S	
212		RIGHT "	
213		DESK	
214		DRAWERS	
215		DESK	
216		DRAWERS	
217		DESK	
218		DESK	
219		DRAWERS	
220		"	
221		LEFT SHELF'S	
222		RIGHT "	
223		UPPER GLASS	
224		LOWER "	
225		UPPER DOOR	
226		LOWER "	
227		UPPER GLASS	
228		LOWER GLASS	
229		UPPER WALL	
230		LOWER "	
231		LEFT SHELF'S	
232		RIGHT "	
233		LEFT DRAWERS	
234	✓	RIGHT "	

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Date 11-9-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
235	1045	DESK	
236		"	
237		DRAWERS	
238		"	
239		LEFT SHELF	
240		RIGHT "	
241		FLOOR	
242		"	
243		"	
244		"	
245		"	
246		"	
247		UPPER WALL	
248		LOWER "	
249		UPPER "	
250		LOWER "	
251		UPPER "	
252		LOWER "	
253		FLOOR	
254		FLOOR	
255		FLOOR	
256		FLOOR	
257		SIDE OF CAB	
258		CAB DOORS & HANDLS	
259		TOP SHELF	
260		2ND "	
261	✓	3RD "	

Radiological Survey Continuation Sheet

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Date 11-9-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
262	645	WALL	
263		PEP BOARD	
264		BENCH	
265		SINK AREA	
266		SINK LIP & RIGHT SIDE	
267		DRAWERS & HANDLS	
268		ED ^{1ST} 2ND DRAWER	
269		2ND "	
270		3RD "	
271		4TH "	
272		CAB DOORS & HANDLS	
273		CAB LEFT SIDE INSIDE	
274		" RIGHT " "	
275		HOOD LEFT SIDE	
276		" UPPER BACK LEFT	
277		" LOWER " "	
278		" UPPER " MIDDLE	
279		" LOWER " "	
280		" UPPER " RIGHT	
281		" LOWER " RIGHT	
282		HOOD BOTTOM LEFT	
283		" " MIDDLE	
284		" " RIGHT	
285		" " CUP	
286		" RIGHT SIDE	
287		" INSIDE DASH	
288	✓	" OUTSIDE "	

Radiological Survey Continuation Sheet

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Date 11-9-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
289	1045	Hood outside LEFT & LIP	
290		" " RIGHT & "	
291		UPPER WALL	
292		LOWER "	
293		CAB DOORS & HANDLS	
294		INSIDE CAB	
295		CAB DOORS & HANDLS	
296		INSIDE CAB	
297		FLOOR	
298		FLOOR	
299		FLOOR	
300		FLOOR	
301		FLOOR	
302		FLOOR	
303		Cold Box UPPER LEFT SIDE	
304		" " LOWER " "	
305		" " UPPER LEFT BACK	
306		" " LOWER " "	
307		" " BOTTOM LEFT	
308		" " UPPER BACK RIGHT SIDE EA	
309		" " LOWER " RIGHT	
310		" " UPPER RIGHT SIDE	
311		" " LOWER " "	
312		" " BOTTOM RIGHT	
313		" " INSIDE LEFT DOOR	
314		" " " RIGHT "	
315	✓	" " OUTSIDE LEFT -H	

Radiological Survey Continuation Sheet

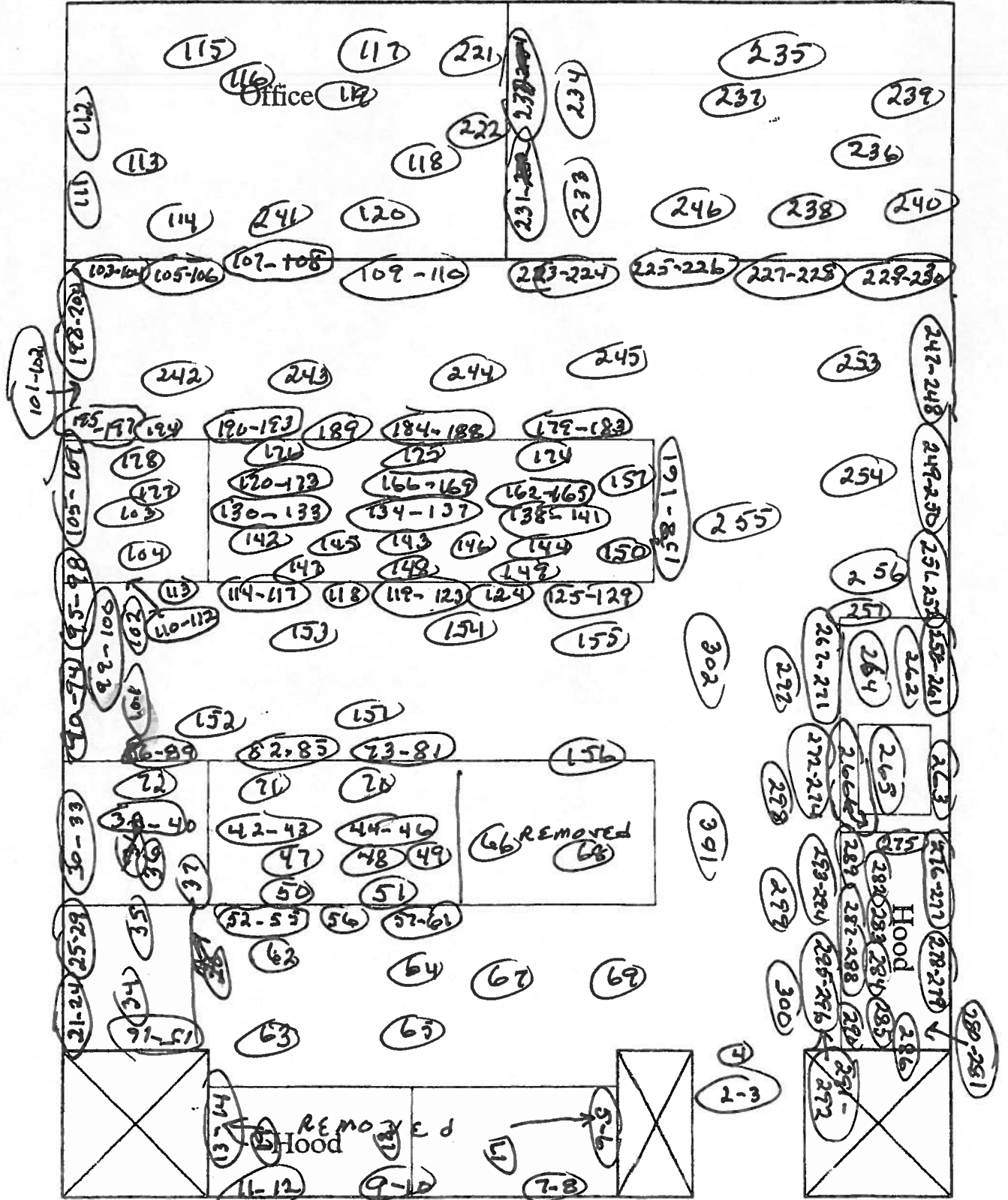
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Date 11-8-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)	
316	1045	Cold Box outside RIGHT door		
317	↓	" " TOP FRONT		
318		" " BOTTOM "		
319		" " LEFT SIDE		
320		✓	" " RIGHT "	
321				
322				
323				
324				
325				
326				
327				
328				
329				
330				
331				
332				
333				
334				
335				
336				
337				
338				
339				
340				
341				
342				

Bld. 118W Room W112

Date: 11-9-09



- Selected 100% of loose surfaces using 43 68. No remains in excess of amount. Backgrounds were observed, with the exceptions noted on page 20 of 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\20091109_1418
\20091109_1418.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	17	4	24	
2	8	9	23	
3	7	5	13	
4	15	7	27	
5	11	7	23	
6	16	10	31	
7	17	6	26	
8	21	8	37	
9	18	10	34	
10	5	1	12	

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

Protocol# 4 - Eds Monthly Swipes.lsa

User: Ed Gailor

73	14	1	20
74	11	6	20
75	8	10	22
76	0	9	8
77	2	8	13
78	0	9	16
79	1	5	11
80	6	11	21
81	11	7	27
82	12	4	22
83	17	10	33
84	9	4	22
85	7	3	15
86	9	10	22
87	14	4	19
88	13	3	22
89	12	8	26
90	10	6	22
91	7	7	17
92	6	6	18
93	5	3	16
94	18	7	31
95	16	9	31
96	12	7	25
97	6	8	17
98	12	6	24
99	14	3	26
100	15	5	25
101	7	7	22
102	11	4	16
103	17	6	30
104	10	3	17
105	7	7	16
106	6	10	23
107	10	11	27
108	15	7	31
109	4	10	20
110	17	9	31
111	13	9	29
112	6	8	20
113	9	8	29
114	8	7	19
115	14	6	26
116	15	8	26
117	7	7	21
118	12	8	26
119	0	6	9
120	10	10	25
121	19	5	31
122	0	10	13
123	5	5	15
124	12	3	25
125	13	6	27
126	11	9	23
127	12	16	34
128	11	7	22
129	12	6	23
130	19	4	30
131	0	10	13
132	8	8	24
133	10	9	25
134	9	5	18
135	17	6	28

136	26	7	42
137	20	6	35
138	11	7	20
139	3	4	11
140	13	5	21
141	12	7	21
142	14	8	32
143	16	9	32
144	13	9	28
145	17	3	23
146	2	8	14
147	0	6	12
148	19	6	28
149	0	3	11
150	4	7	16
151	0	8	13
152	0	4	4
153	12	7	25
154	38	4	47
155	31	5	43
156	16	6	24
157	17	5	25
158	22	5	30
159	17	8	30
160	9	4	20
161	4	8	21
162	0	9	14
163	17	8	29
164	17	5	24
165	6	13	24
166	20	8	35
167	16	3	24
168	10	3	16
169	19	6	29
170	11	7	24
171	12	9	26
172	14	3	22
173	13	2	21
174	12	6	26
175	22	6	32
176	20	9	34
177	3	8	20
178	16	6	28
179	12	9	28
180	14	9	27
181	4	8	17
182	9	6	19
183	0	4	9
184	14	4	26
185	0	8	15
186	2	6	10
187	34	5	45
188	22	7	34
189	23	13	41
190	4	8	17
191	19	7	29
192	2	6	13
193	9	4	15
194	0	13	17
195	12	4	20
196	8	5	15
197	14	9	29
198	16	16	40

199	6	6	17
200	8	9	19
201	21	8	32
202	13	6	26
203	12	6	24
204	3	8	14
205	18	4	29
206	16	8	31
207	7	6	16
208	15	8	27
209	12	7	23
210	7	13	28
211	0	2	11
212	8	5	16
213	14	10	29
214	3	10	18
215	12	8	24
216	9	6	17
217	10	10	26
218	5	5	13
219	8	11	23
220	0	7	8
221	0	6	8
222	18	8	32
223	13	10	34
224	12	4	18
225	6	7	21
226	10	8	22
227	24	7	38
228	20	8	34
229	6	7	17
230	15	7	26
231	6	8	19
232	3	2	16
233	21	11	35
234	6	5	14
235	8	5	19
236	5	7	19
237	13	5	25
238	22	6	35
239	8	4	15
240	0	8	12
241	16	3	20
242	12	4	23
243	0	3	11
244	17	8	28
245	11	5	19
246	15	6	22
247	4	8	19
248	22	8	34
249	20	3	28
250	14	6	24
251	17	10	32
252	0	4	8
253	22	6	33
254	12	8	28
255	10	9	25
256	25	9	40
257	14	3	20
258	29	7	39
259	19	8	31
260	1	5	10
261	7	2	15

262	6	6	20
263	5	4	12
264	13	8	26
265	0	9	10
266	11	5	18
267	10	7	20
268	0	8	13
269	3	0	10
270	31	4	44
271	17	6	26
272	12	6	25
273	1	7	10
274	20	9	36
275	6	7	23
276	3	3	11
277	16	6	24
278	15	12	34
279	16	5	24
280	24	8	39
281	22	11	37
282	21	10	34
283	12	7	26
284	31	10	43
285	57	11	71
286	10	7	23
287	7	5	16
288	6	7	18
289	19	4	28
290	5	8	20
291	15	9	33
292	10	3	18
293	25	7	35
294	38	10	51
295	27	5	37
296	32	6	45
297	17	9	29
298	17	5	30
299	22	8	33
300	13	9	25
301	13	5	22
302	7	8	15
303	8	4	15
304	10	10	26
305	5	8	17
306	18	9	32
307	13	6	23
308	16	5	26
309	18	10	35
310	11	5	20
311	18	3	26
312	6	6	18
313	14	7	27
314	0	6	8
315	22	6	33
316	13	7	33
317	12	11	24
318	12	5	21
319	8	6	18
320	16	9	31

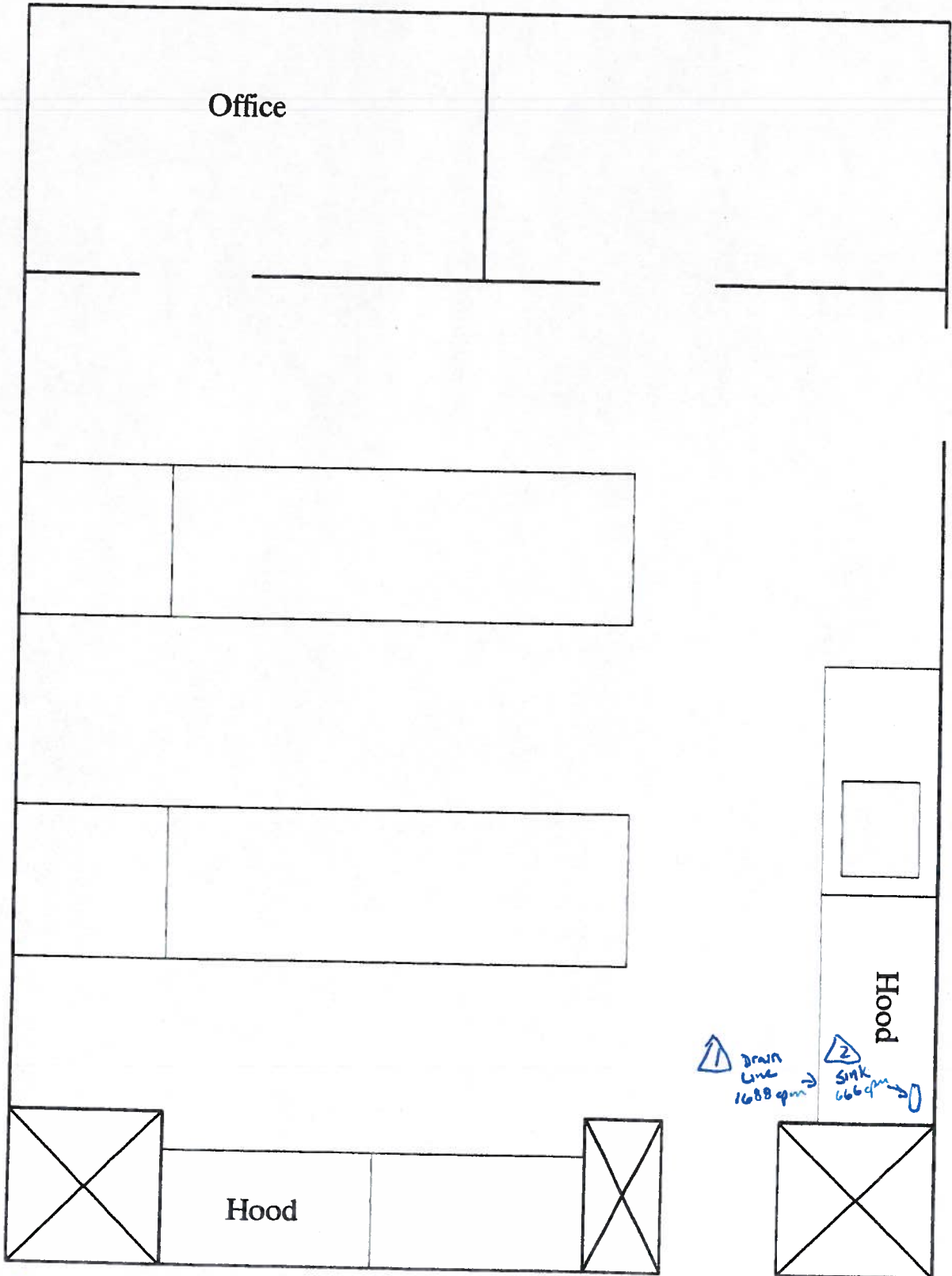
Note: All of the results are SATISFACTORY, including #s 12, 69, 285 & 294.

WAC Calvin

Bld. 118W Room W112

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Date: 11-9-09
~~12-4-09~~



① Drain line removed Disposed of AS KNOWASTE.

② Sink DECONTAMINATED TO NORMAL BACKGROUND LEVELS.