Radiological Survey Form (1)

Job Location: PFIZER INC EASTERN POINT ROAD GROTON CT Page: 1 of 41
Survey Purpose: FREE RELEASE FREEZERS Date: 2/4/98
Performed By: DAVID DURKEE

Inst. No. 1 (Model/SN)	Inst. No. 2 (Model/SN)	Inst. No. 3 (Model/SN)
LS5000 #204078	LUDLUM model 1142 08	LUDLUM model 2241-2 #137751
Detector (Model/SN) INTERNAL	Detector (Model/SN) LUDLUM model 44-9 PR114780	Detector (Model/SN) LUDLUM 43 68 PR140899
Efficiency: H-3 39-48% / C-14 - P-32 74-75%	Efficiency: ≈ 5% C-14	Efficiency: ≈ 14% C-14
Type Rad.: β	Type Rad.: α/β/γ	Type Rad.: β
Bkgd.: See attached printout	Bkgd.: 40 cpm	Bkgd.: 300 cpm (Freezers)
Cal. Due: 6/98	Cal. Due: 4/1/98	Cal. Due: 4/15/98

Number	Time	Location	Inst. Used	H-3 dpm/100cm²	C-14 dpm/100cm²	P-32 dpm/100cm²	
1	1249	FLOOR	1	108	35	3	
2		FLOOR	1	336	107	0	(See #158)
3		FLOOR	1	633	284	4	(See #159)
4		FLOOR	1	113	49	4	
5		FLOOR	1	110	59	1	
6		FLOOR	1	349	165	1	(See #160)
7		FLOOR	1	451	334	1	(See #161)
8		FLOOR	1	97	27	0	
9		FLOOR	1	44	7	4	
10		FLOOR	1	18	11	7	
11		FLOOR	1	21	0	7	
12		FLOOR	1	23	15	3	
13		OUTSIDE DOOR/HANDLE FREEZER 12	1	402	258	0	(See #162)
14		OUTSIDE DOOR/HANDLE FREEZER 12	1	120	84	1	(See #163)
15		OUTSIDE LEFT SIDE " "	1	0	11	9	
16		OUTSIDE RIGHT SIDE " "	1	4	0	0	
17		TOP OF FREEZER #12	1	41	0	0	
18		INSIDE LEFT DOOR Freezer #12	1	13	16	0	
19		INSIDE RIGHT DOOR " "	1	54	60	12	
20		SHELF " "	1	29	29	0	
21		SHELF " "	1	119	138	0	(See #171)
22		SHELF " "	1	13	0	4	

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	Number	Time	Location	Inst. Used	H-3 dpm/100cm²	C-14 dpm/100cm²	P-32 dpm/100cm²	
	23		SHELF FREEZER #12	1	22	48	4	
	24		SHELF " "	1	476	553	0	(see #178)
	25		Bottom LEFT Freezer #12	1	277	189	9	(see #179)
	26		Bottom RIGHT " "	1	161	132	0	(see #180)
	27		LEFT SIDE " "	1	28	40	1	
	28		RIGHT SIDE " "	1	15	0	0	
	29	↓	BACK LEFT " "	1	13	19	0	
	30	1311	BACK RIGHT " "	1	17	33	3	
2/6/98	31	0909	FAN IN FREEZER #12	1	14	16	0	
	32		LEFT DOOR HANDLE Freezer #14	1	52	31	7	
	33		RIGHT DOOR HANDLE " "	1	70	68	0	
	34		LEFT FRONT DOOR " "	1	20	9	1	
	35		RIGHT FRONT DOOR " "	1	55	3	0	
	36		LEFT SIDE " "	1	44	1	0	
	37		RIGHT SIDE " "	1	11	0	1	
	38		TOP " "	1	15	3	5	
	39		INSIDE RIGHT DOOR " "	1	22	11	0	
	40		INSIDE LEFT DOOR " "	1	13	5	0	
	41		SHELF " "	1	9	9	9	
	42		SHELF " "	1	31	61	0	
	43		SHELF " "	1	300	301	0	(see #185)
	44		SHELF " "	1	21	3	9	
	45		FAN UNIT " "	1	72	23	0	
	46		Bottom LEFT " "	1	234	72	0	(see #187)
	47		LEFT SIDE INSIDE " "	1	44	24	9	
	48		LEFT BACK INSIDE " "	1	13	0	7	
	49		Bottom inside " "	1	38	16	3	
	50		RIGHT SIDE (inside) " "	1	76	63	9	
	51		BACK RIGHT SIDE " "	1	77	45	8	
	52	↓	FRONT FREEZER # 1	1	395	380	7	(see #190)

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Number	Time	Location	Inst. Used	H-3 dpm/100cm²	C-14 dpm/100cm²	P-32 dpm/100cm²	
53		OUTSIDE LEFT FREEZER #1	1	110	42	5	(see #191)
54		OUTSIDE RIGHT " "	1	20	1	5	
55		SHELF " "	1	1071	1038	7	(see #192)
56		SHELF " "	1	236	166	0	(See #193)
57		SHELF " "	1	7916	6232	9	(see #194)
58		SHELF " "	1	1023	1359	0	(See # 195)
59		INSIDE BOTTOM " "	1	10550	7565	5	(See #196)
60		INSIDE DOOR " "	1	60	80	0	
61		INSIDE LEFT SIDE " "	1	731	631	1	(See #198)
62		INSIDE RIGHT SIDE " "	1	93	104	12	(see #199)
63		INSIDE BACK " "	1	27	16	1	
64		INSIDE TOP " "	1	223	193	4	(see #200)
65		OUTSIDE TOP " "	1	23	4	0	
66		OUTSIDE TOP FREEZER Rtop #2	1	62	3	0	
67		OUTSIDE DOOR " "	1	267	295	1	(See # 202)
68		OUTSIDE LEFT SIDE " "	1	19	14	5	
69		OUTSIDE RIGHT SIDE " "	1	48	0	5	
70		SHELF FREEZER #2	1	41	56	0	
71		SHELF " "	1	207	204	0	(see #204)
72		SHELF " "	1	236	205	5	(see # 205)
73		SHELF " "	1	252	227	8	(see # 206)
74		BOTTOM FREEZER #2	1	254	157	0	(see # 207)
75		LEFT INSIDE " "	1	69	132	4	(see # 208)
76		RIGHT INSIDE " "	1	19	48	5	
77		BACK INSIDE " "	1	6	1	4	
78		TOP INSIDE " "	1	21	16	5	
79		INSIDE DOOR " "	1	68	125	4	
80		OUTSIDE DOOR FREEZER #6	1	115	76	1	(See # 210)
81		OUTSIDE LEFT " "	1	41	12	0	
82		OUTSIDE RIGHT " "	1	11	11	0	

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Number	Time	Location	Inst. Used	H-3 dpm/100cm²	C-14 dpm/100cm²	P-32 dpm/100cm²	
83	0945	OUTSIDE TOP FREEZER #6	1	138	35	11	(See # 217)
84		INSIDE Bottom " "	1	6	3	8	
85		SHELF " "	1	51	24	0	
86		SHELF " "	1	58	37	0	
87		SHELF " "	1	30	48	3	
88		SHELF " "	1	48	24	19	
89		LEFT SIDE " "	1	31	21	0	
90		RIGHT SIDE " "	1	40	35	9	
91		TOP INSIDE " "	1	9	1	8	
92		DOOR SHELF " "	1	20	4	4	
93		DOOR SHELF " "	1	6	35	7	
94		DOOR SHELF " "	1	29	36	5	
95		DOOR SHELF " "	1	0	0	0	
96		DOOR SHELF " "	1	7	0	0	
97		DOOR SHELF " "	1	7	4	0	
98		OUTSIDE DOOR FREEZER #7	1	698	743	7	(See # 218)
99		LEFT OUTSIDE " "	1	120	84	11	(See # 219)
100		RIGHT OUTSIDE " "	1	34	14	0	
101		TOP OUTSIDE " "	1	72	3	5	
102		INSIDE DOOR " "	1	291	396	1	(See # 221)
103		SHELF " "	1	824	1351	15	(See # 222)
104		SHELF " "	1	504	808	0	(See # 223)
105		SHELF " "	1	815	1303	0	(See # 224)
106		LEFT INSIDE " "	1	158	231	1	(See # 225)
107		RIGHT INSIDE " "	1	1326	2279	12	(See # 226)
108		BOTTOM INSIDE " "	1	3333	2547	9	(See # 227)
109		TOP INSIDE " "	1	91	92	7	
110		OUTSIDE DOOR- FREEZER #4	1	633	232	0	(See # 229)
111		LEFT OUTSIDE " "	1	84	72	0	
112		RIGHT OUTSIDE " "	1	29	8	0	

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Number	Time	Location	Inst. Used	H-3 dpm/100cm²	C-14 dpm/100cm²	P-32 dpm/100cm²	
113		OUTSIDE TOP FREEZER #4	1	179	82	0	(see # 231)
114		SHELF " "	1	17	12	0	
115		SHELF " "	1	34	71	0	
116		SHELF " "	1	0	31	4	
117		SHELF " "	1	3414	3459	0	(See # 233)
118		Bottom inside Freezer #4	1	281	184	4	(see # 234)
119		LEFT INSIDE " "	1	34	56	1	
120		RIGHT INSIDE " "	1	81	83	0	
121		TOP INSIDE " "	1	7	5	7	
122		DOOR SHELF " "	1	30	25	11	
123		DOOR SHELF " "	1	0	13	13	
124		DOOR SHELF " "	1	53	40	5	
125		DOOR SHELF " "	1	164	201	4	(See # 238
126		DOOR SHELF " "	1	78	53	7	
127		DOOR SHELF " "	1	30	67	5	
128		FRONT DOOR FREEZER #5	1	402	176	1	(see # 241)
129		LEFT SIDE " "	1	121	45	5	(see # 242)
130		RIGHT SIDE " "	1	29	12	5	
131		TOP " "	1	18	12	1	
132		SHELF " "	1	667	1065	1	(See # 243)
133		SHELF " "	1	74	95	11	
134		SHELF " "	1	155	256	9	(see # 245)
135		SHELF " "	1	140	297	0	(See # 246)
136		Bottom INSIDE FREEZER #5	1	168	73	3	(see # 247)
137		LEFT INSIDE " "	1	43	3	3	
138		RIGHT INSIDE " "	1	30	5	13	
139		TOP INSIDE " "	1	35	17	3	
140		INSIDE DOOR " "	1	833	1096	3	(See # 248)
141		OUTSIDE DOOR FREEZER #3	1	107	15	7	(See # 249)
142		LEFT SIDE " "	1	40	1	0	

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Number	Time	Location	Inst. Used	H-3 dpm/100cm²	C-14 dpm/100cm²	P-32 dpm/100cm²	
143		RIGHT SIDE FREEZER #3	1	30	0	7	
144		TOP FREEZER #3	1	26	1	0	
145		INSIDE DOOR " "	1	21	0	4	
146		SHELF " "	1	4	0	0	
147		SHELF " "	1	17	8	1	
148		BOTTOM INSIDE " "	1	9	0	0	
149		LEFT SIDE " "	1	17	5	0	
150	↓	RIGHT SIDE " "	1	0	0	0	
151	1025	TOP INSIDE " "	1	21	0	1	
152	1027	BACK INSIDE " "	1	10	0	0	
153	1315	FLOOR	1	92	51	0	
154	1316	FLOOR	1	267	135	8	(see #151)
155	1316	FLOOR	1	559	389	0	(see #150)
156	1316	GRATE	1	469	~~287~~ 151 90	14	(see #171)
157	1317	FLOOR	1	133	89	0	(see #172)
158	1641	POST WIPEDOWN Rewipe #2	1	4	9	5	
159		" " Rewipe #3	1	0	25	0	
160		" " Rewipe #6	1	86	121	1	
161		" " Rewipe #7	1	34	25	1	
162		POST Decon Rewipe Location #13	1	4	0	0	
163		" " " " #14	1	28	4	3	
164		FLOOR POST WIPEDOWN	1	54	22	12	
165		FLOOR GRATE " "	1	~~40~~ 658 90	551	1	
166		FLOOR " "	1	~~38~~ 62 90	38	0	
167		FLOOR GRATE " "	1	236	153	1	
168		FLOOR " "	1	~~210~~ 90	18	0	
169		FLOOR " "	1	18	14	0	
170		FLOOR " "	1	67	57	0	
171		FLOOR GRATE " "	1	~~935~~ 90	48	3	
172	↓	FLOOR " "	1	27	20	0	

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Number	Time	Location	Inst. Used	H-3 dpm/100cm²	C-14 dpm/100cm²	P-32 dpm/100cm²	
	173	Floor Post wipedown	1	11	8	0	
↓	174	Freezer #12 right Bracket Post. Dec.	1	15	0	0	
1710	175	" " left Bracket Post Dec.	1	7	0	0	
2/11/98 1249	176	Post Decon reswipe #19	1	23	15	4	
	177	" " " #21	1	13	9	1	
	178	" " " #24	1	23	23	0	
	179	" " " #25	1	6	0	0	
	180	" " " #26	1	4	1	8	
	181	Post Decon reswipe #32	1	13	1	1	
	182	" " " #33	1	0	0	0	
	183	" " " #35	1	6	0	0	
	184	" " " #42	1	0	0	5	
	185	" " " #43	1	48	76	0	
	186	" " " #45	1	0	4	8	
	187	" " " #46	1	2	11	0	
	188	" " " #50	1	32	0	11	
	189	" " " #51	1	9	1	8	
	190	Post Decon reswipe #52	1	28	16	13	
	191	" " " #53	1	0	0	8	
	192	" " " #55	1	0	16	5	
	193	" " " #56	1	40	24	0	
	194	" " " #57	1	83	149	16	
	195	" " " #58	1	62	121	9	
	196	" " " #59	1	35	92	5	
	197	" " " #60	1	10	0	8	
	198	" " " #61	1	19	13	1	
	199	" " " #62	1	55	60	0	
	200	" " " #64	1	6	24	3	
	201	Post Decon reswipe #66	1	15	0	0	
↓	202	" " " #67	1	0.16 M	8	3	

Radiological Survey Form (2)

Date: 2/11/98

Number	Time	Location	Inst. Used	H-3 dpm/100cm²	C-14 dpm/100cm²	P-32 dpm/100cm²	
203		Post Decon results #70	1	13	0	3	
204		" " " #71	1	6	3	5	
205		" " " #72	1	98	251	1	
206		" " " #73	1	19	28	11	
207		" " " #74	1	0	0	5	
208		" " " #75	1	10	4	8	
209	1517	" " " #79	1	0	5	3	
4/12/98 210	1040	2nd Post Decon Location # 185	1	0	5	11	
211		" " " " #194	1	17	27	5	
212		" " " " #195	1	10	28	0	
213		" " " " #196	1	60	36	0	
214		" " " " #199	1	25	21	8	
215		" " " " #205	1	17	31	0	
216		Post Decon Swipe Loc. #80	1	2	7	0	
217		" " " " #83	1	35	20	9	
218		Post Decon Swipe Loc. #98	1	4	24	0	
219		" " " " #99	1	0	9	0	
220		" " " " #101	1	28	7	3	
221		" " " " #102	1	2	5	8	
222		" " " " #103	1	71	147	0	
223		" " " " #104	1	865	(1779)	21	
224		" " " " #105	1	231	480	12	
225		" " " " #106	1	0	17	9	
226		" " " " #107	1	54	156	11	
227		" " " " #108	1	40	81	0	
228		" " " " #109	1	0	3	4	
229		Post Decon Swipe Loc. #110	1	23	0	3	
230		" " " " #111	1	24	5	0	
231		" " " " #113	1	7	5	9	
232		" " " " #115	1	29	33	0	

Radiological Survey Form (2)

Date: 2/12/98

Number	Time	Location	Inst. Used	H-3 dpm/100cm²	C-14 dpm/100cm²	P-32 dpm/100cm²	
233		POST DECON SWIPE LOC #117	1	85	132	0	
234		" " " " #118	1	140	260	5	
235		" " " " #119	1	19	7	7	
236		" " " " #120	1	2	1	0	
237		" " " " #124	1	13	4	15	
238		" " " " #125	1	10	0	0	
239		" " " " #126	1	8	0	0	
240		" " " " #127	1	0	8	0	
241		POST DECON SWIPE LOC #128	1	31	0	8	
242		" " " " #129	1	17	0	0	
243		" " " " #132	1	0	4	3	
244		" " " " #133	1	2	0	4	
245		" " " " #134	1	0	0	7	
246		" " " " #135	1	6	0	3	
247		" " " " #136	1	10	1	0	
248		" " " " #140	1	21	0	4	
249		POST DECON SWIPE LOC #141	1	13	0	0	
250		POST DECON SWIPE LOC FLOOR GRATE #109	1	2	5	0	
251		" " FLOOR GRATE	1	33	22	0	
252		" " FLOOR GRATE	1	27	0	4	
253	↓	" " FLOOR GRATE	1	11	0	5	
254	1315	" " FLOOR GRATE	1	11	5	3	
2/13/98 255	0835	POST Decon Bottom Freezer #2	1	9	1	3	
256		" " " Freezer #1	1	13	12	17	
257		" Center Piece Freezer #4	1	83	125	5	
258		" " Bottom Center " "	1	150	203	0	
259		" " Shelf 3 Freezer #2	1	32	53	0	
260		" " Shelf 4 Freezer #2	1	24	opB 31	0	
261		" " Bottom Right Front Freezer #4	1	7	32	0	
262	↓	" " Bottom Freezer #4 right side	1	67	37	1	

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Date: 2/13/98

	Number	Time	Location	Inst. Used	H-3 dpm/100cm²	C-14 dpm/100cm²	P-32 dpm/100cm²	
	263	1500	Post Decon Floor	1	0	0	3	
	264		" " "	1	2	3	0	
	265		" " "	1	0	4	4	
	266		" " "	1	21	0	3	
	267	↓	" " "	1	12	0	11	
	268	1530	" " "	1	0	0	8	
2/18	269	1415	Top of Freezer #6 Post-Decon	1	26	3	3	
	270		Bottom Front Freezer #7 " "	1	88	A 123pp	9	
	271		Bottom Freezer #7 Post Decon	1	0	0	0	
	272		Front of Door Freezer #7 Post Decon	1	0	4	3	
	273		Right Door Seal " " " "	1	4	3	0	
	274		Right inside wall " " " "	1	0	0	12	
	275		Bracket From Freezer #7 P.D.	1	0	5	5	
	276		" " " " " "	1	4	0	7	
	277	↓	" " " " " "	1	23	27	7	
	278	1600	Bottom " " " "	1	0	3	0	
2/20/98	279	0920	METAL BAR Post wipedown	1	17	11	0	
	280		Plastic Piece " "	1	17	20	16	
	281		metal edging " "	1	4	8	9	
	282		metal shelf Rack " "	1	15	4	5	
	283		metal Base Freezer #7 P.D.	1	24	0	8	
	284		Shelf #3 " " " "	1	8	3	8	
	285		Shelf #2 " " " "	1	13	11	0	
	286		Shelf #1 " " " "	1	17	7	9	
	287		Bottom of Freezer #4 P.D.	1	22	17	0	
	288		Shelf #2 " " " "	1	0	0	0	
	289		Shelf #3 " " " "	1	2	0	0	
	290		Shelf #4 " " " "	1	121	228	9	
	291		outside base " " " "	1	0	8	1	
	292	↓	Bottom Door " " " "	1	21	0	3	

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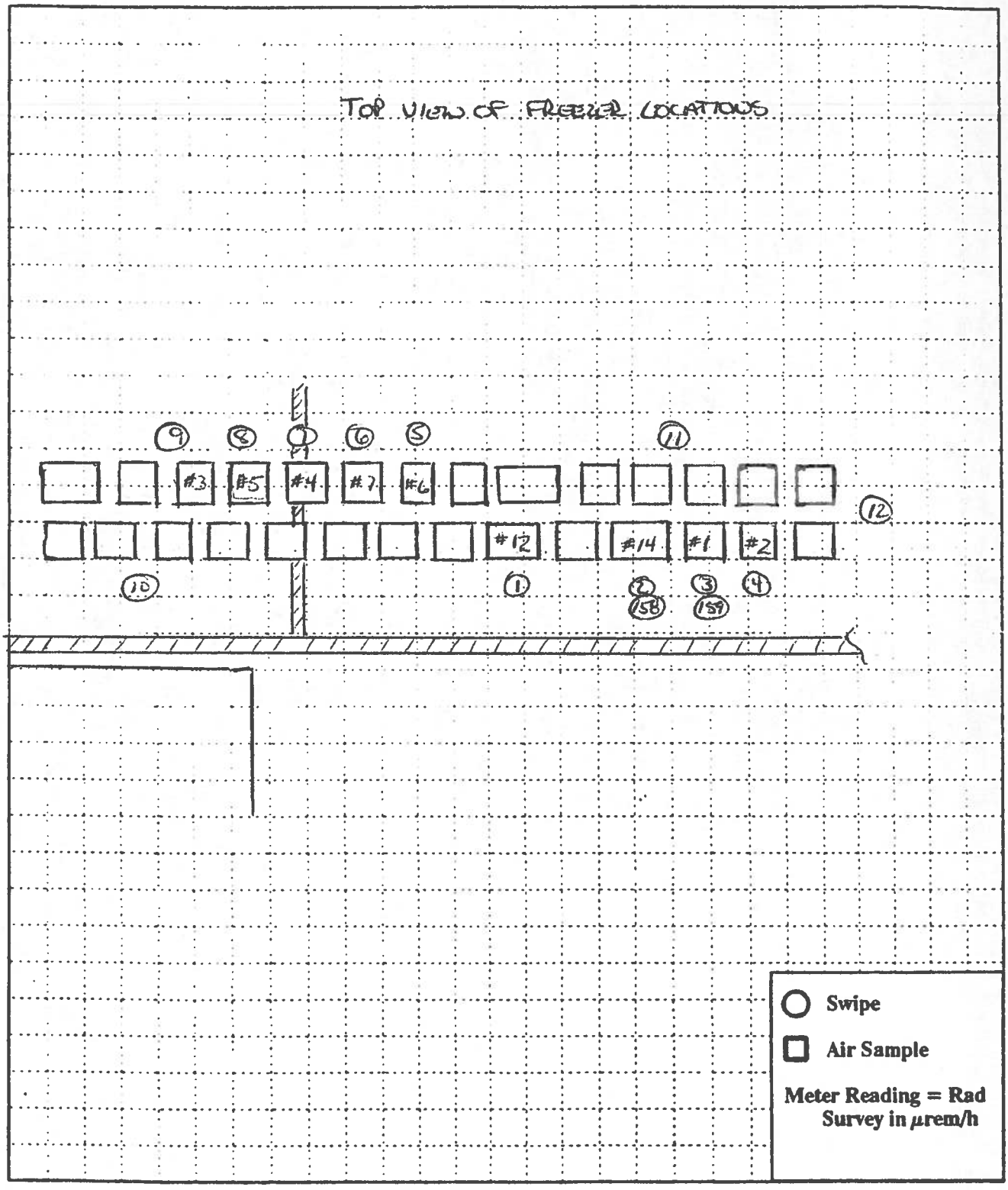
Number	Time	Location	Inst. Used	H-3 dpm/100cm²	C-14 dpm/100cm²	P-32 dpm/100cm²	
293		Post Decon Pump #251	1	2	9	0	
294	↓	" " " #258	1	6	0	0	
295	1405	" " " #270	1	11	0	5	
296	1541	Post Decon Floor	1	7	4	0	2/20/98
297		" " "	1	0	5	7	
298		" " "	1	9	0	3	
299		" " "	1	0	0	0	
300		" " "	1	20	5	0	
301		Post Decon Floor	1	72	83	0	(See #331)
302		" " "	1	26	48	8	
303		" " "	1	7	31	7	
304		" " "	1	16	8	0	
305		" " "	1	9	1	0	
306		" " "	1	22	27	9	
307		" " "	1	9	29	0	
308		Post Decon Pit Wall	1	33	47	5	
309		" " " "	1	186	128	1	(See #328)
310		" " " "	1	807	430	5	(See #321)
311		" " " "	1	780	486	14	(See #330)
312		" " " "	1	2386	2192	1	(See #325)
313		" " " "	1	37	12	0	
314		" " " "	1	26	15	4	
315		" " " "	1	0	3	11	
316		Floor	1	36	23	3	
317		"	1	0	4	4	
318		"	1	13	8	11	
319		"	1	23	0	3	
320		"	1	15	14	0	
321	↓	"	1	20	~~40~~	15	
322	1652	"	1	55	0	0	

Radiological Survey Form (2)

Date: 2/25/98

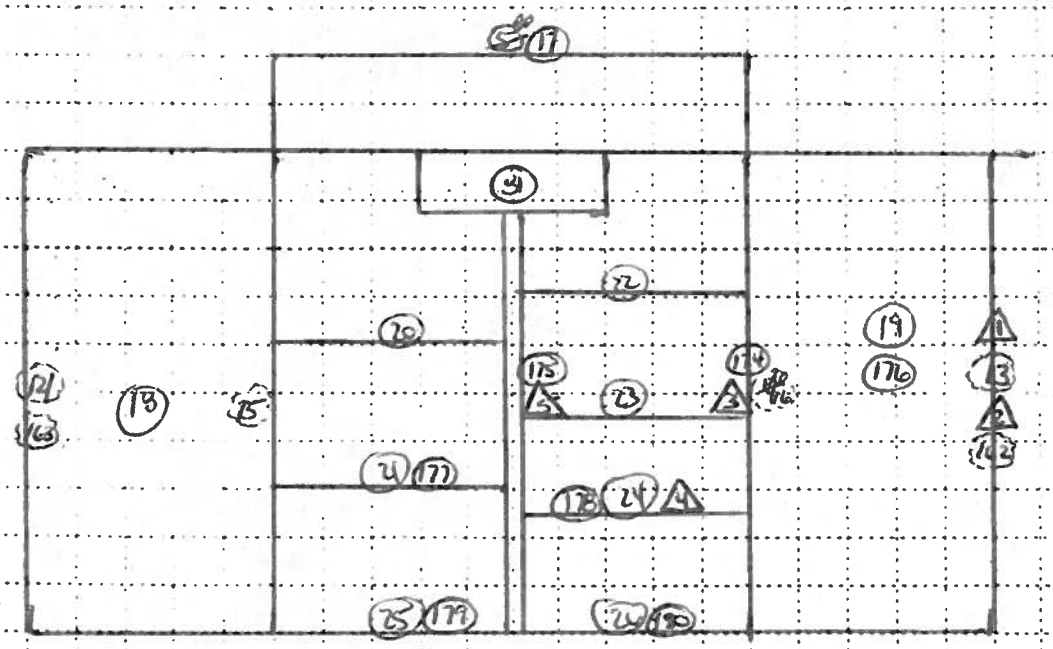
	Number	Time	Location	Inst. Used	H-3 dpm/100cm²	C-14 dpm/100cm²	P-32 dpm/100cm²	
2/25/98	323	1020	Post Decon ~~Loading~~ Pit	1	13	0	0	
	324		" " Pit	1	30	32	12	
	325		" " "	1	74	139	0	
	326		" " "	1	36	31	3	
	327		" " "	1	11	0	0	
	328		Post Decon Pit	1	35	33	0	
	329		" " "	1	7	5	1	
	330	↓	" " "	1	15	0	1	
	331	1039	Post Decon wipe loc. #301	1	34	51 Bkgd	0	

Job Location: PFIZER INC. EASTERN POINT ROAD GROTON CT Page: 13 of 41
Survey Purpose: FREE RELEASE FREEZERS Date: 2/4/98
Performed By: DAVID J. DURKEE



Job Location: PFIZER INC EASTERN POINT RD GROTON CT Page: 14 of 41
Survey Purpose: FREE-RELEASE FREEZER #12 Date: 2/4/98
Performed By: DAVID J. DURKEE

FREEZER #12 w/ DOORS OPEN (FRONT VIEW)



△ DOOR HANDLE 26,643 DPM/100 cm² C-14
△ DOOR HANDLE 8,443 DPM/100 cm² C-14
△ SHELF BRACKET 22,171 DPM/50 cm² C-14
△ SHELF 15,029 DPM/300 cm² C-14
△ SHELF BRACKET 6,429 DPM/50 cm² C-14

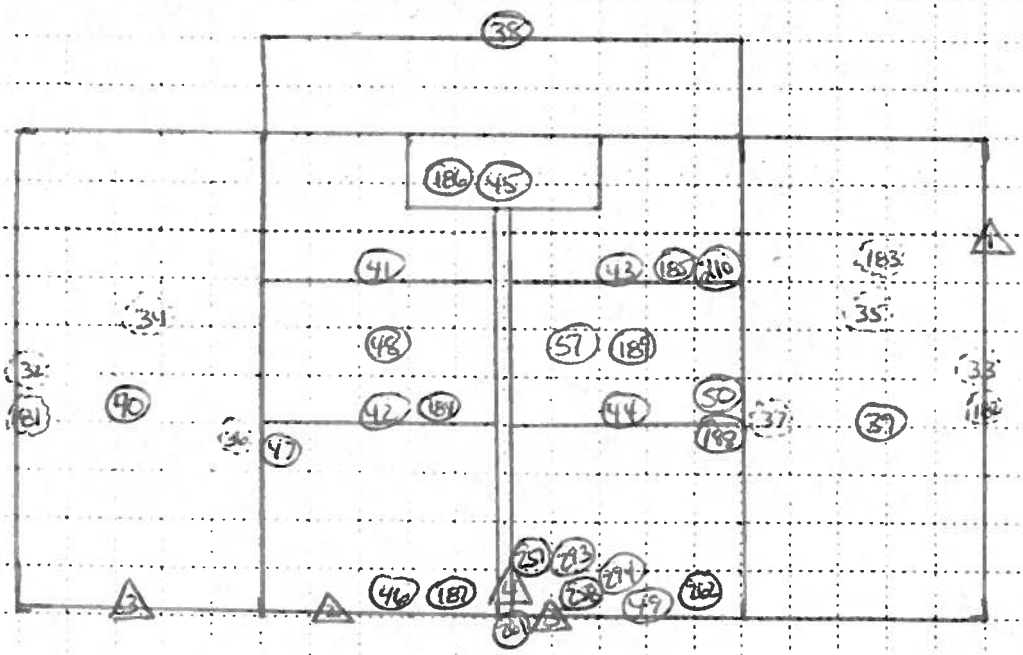
SEE SHEET 27 of 41 FOR FURTHER DETAILS.

○ Swipe
□ Air Sample
Meter Reading = Rad Survey in μrem/h
OUTSIDE LOCATION (swipe)

△ Activity measured w/ INSTRUMENT #3

Job Location: PFIZER INC EASTERN POINT ROAD GROTON CT Page: 15 of 41
Survey Purpose: FREE RELEASE FREEZER #14 Date: 2/4/98
Performed By: DAVID J. DURKEE

FREEZER #14 w/ DOORS OPEN (FRONT VIEW)



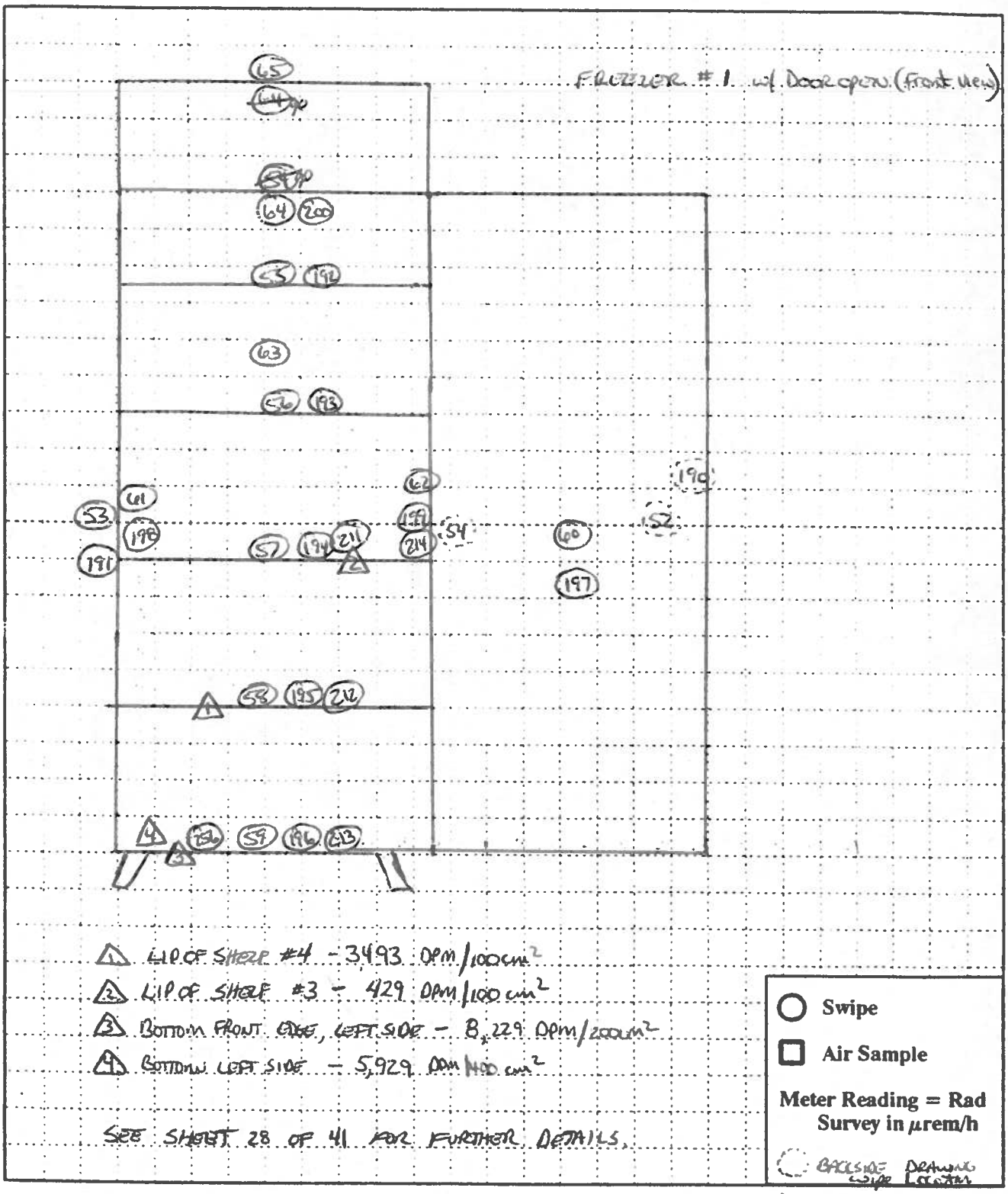
1. DOOR HANDLE 1,271 DPM/50 cm²
2. LIP OF LEFT SIDE BASE 7857 DPM/100 cm²
3. LEFT DOOR, BOTTOM 3571 DPM/200 cm²
4. CENTER, BOTTOM FRONT 15,107 DPM/100 cm²
5. RIGHT SIDE, LIP, BASE 493 DPM/50 cm²

SEE SHEET 28 OF 41 FOR FURTHER DETAILS.

○ Swipe
□ Air Sample
Meter Reading = Rad Survey in μrem/h
△ - ELEVATED ACTIVITY

NOTED USING INST #3

Job Location: PFIZER INC EASTERN POINT ROAD GROTON CT Page: 14 of 41
Survey Purpose: FREE-RELEASE FREEZER #1 Date: 3/4/98
Performed By: DAVID J. DURKEE



1. LIP OF SHELF #4 - 3493 DPM/100cm²
2. LIP OF SHELF #3 - 429 DPM/100 cm²
3. BOTTOM FRONT EDGE, LEFT SIDE - 8,229 DPM/200cm²
4. BOTTOM LEFT SIDE - 5,929 DPM/100 cm²

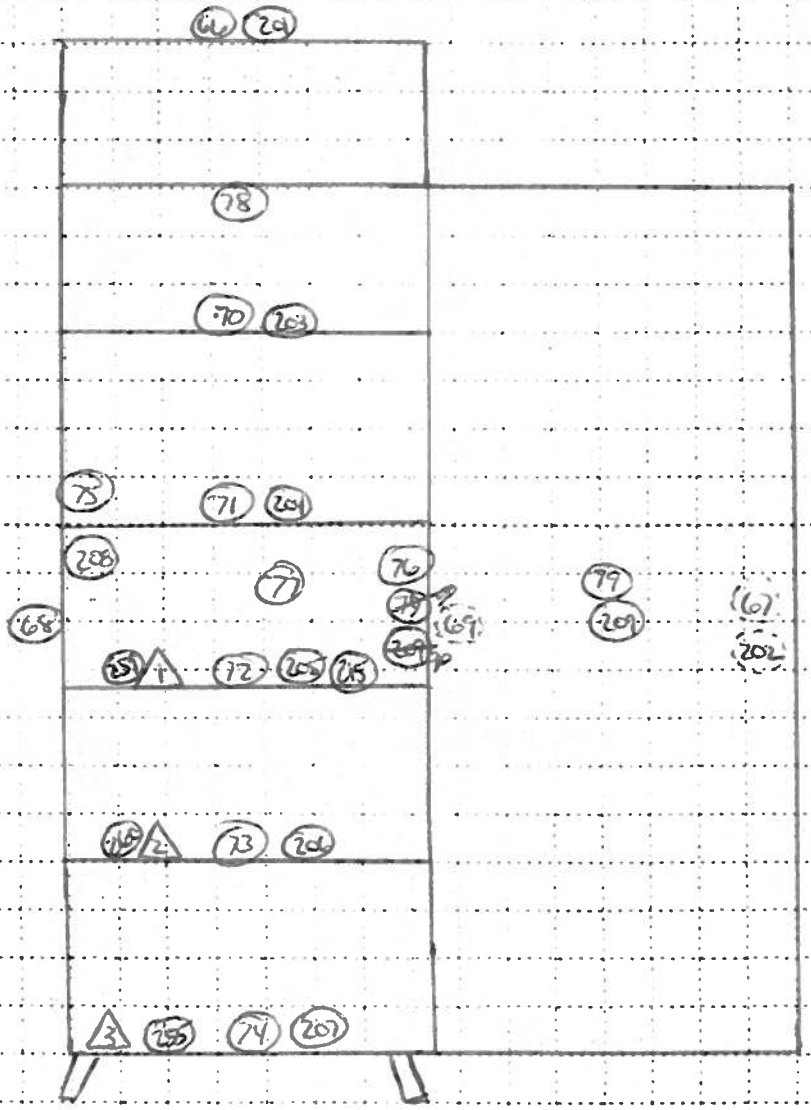
SEE SHEET 28 OF 41 FOR FURTHER DETAILS.

○ Swipe
□ Air Sample
Meter Reading = Rad Survey in μrem/h
(BACKSIDE SWIPE DRAWING LOCATION)

△ - ELEVATED ACTIVITY NOTED USING INST. #3.

Job Location: PFIZER INC EASTERN POINT ROAD GROTON CT Page: 17 of 41
Survey Purpose: FILE - RELEASE FREEZER #2 Date: 2/4/98
Performed By: DAVID J. DURKEE

FREEZER # 2 w/ DOOR OPEN (FRONT VIEW)



1 SHELF #3 - 102,202 DPM/100cm² C-14
2 SHELF #4 - 8,671 DPM/100cm² C-14
3 BOTTOM BACK LEFT SIDE - 486 DPM/100cm² C-14

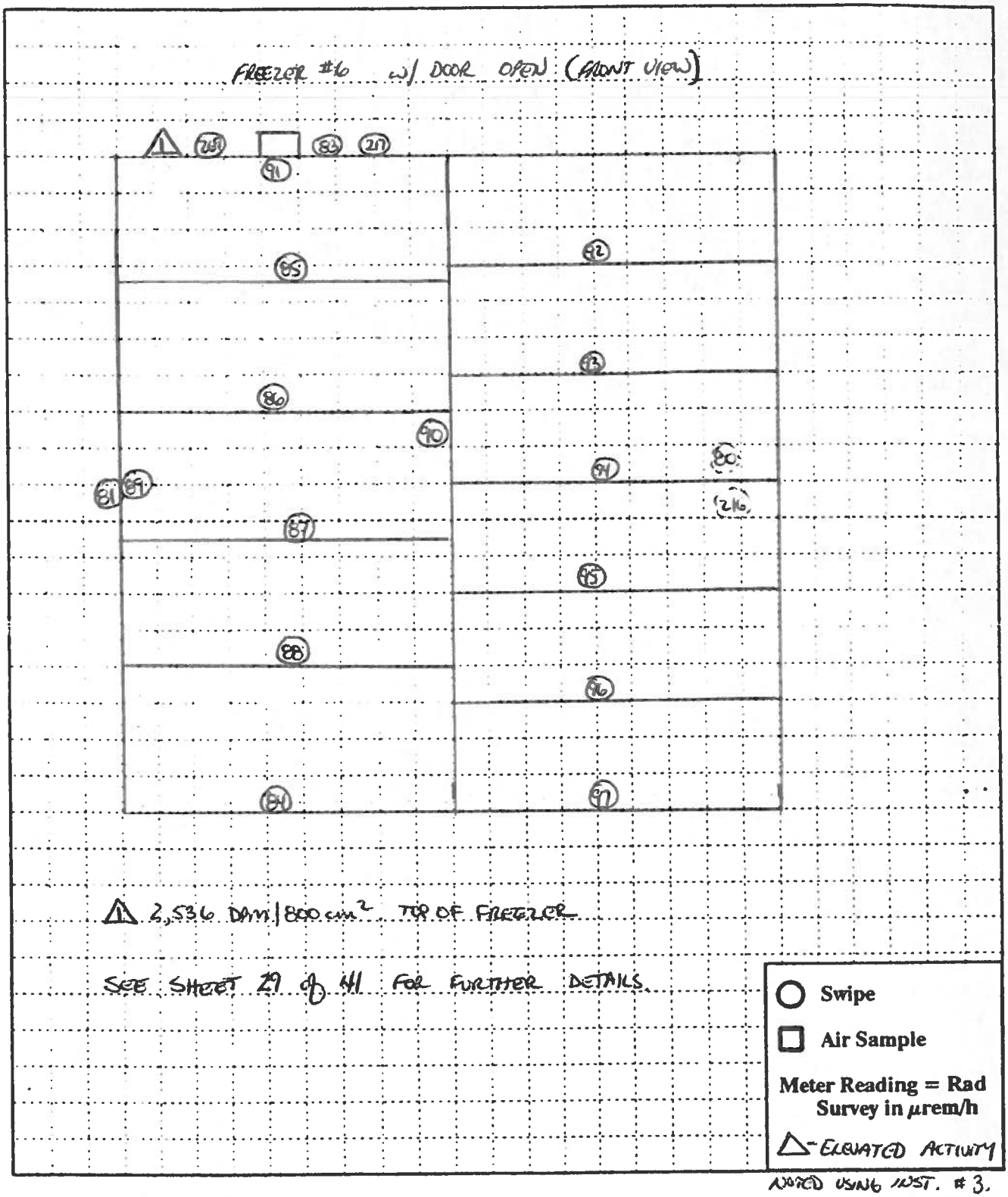
SEE SHEET 28 OF 41 FOR FURTHER DETAILS.

○ Swipe
□ Air Sample
Meter Reading = Rad Survey in μrem/h
△ - ELEVATED ACTIVITY NOTED USING INST #3,

Job Location: PFIZER INC. EASTERN POINT ROAD GROTON CT Page: 18 of 41

Survey Purpose: FREE-RELEASE FREEZER #6 Date: 2/4/98

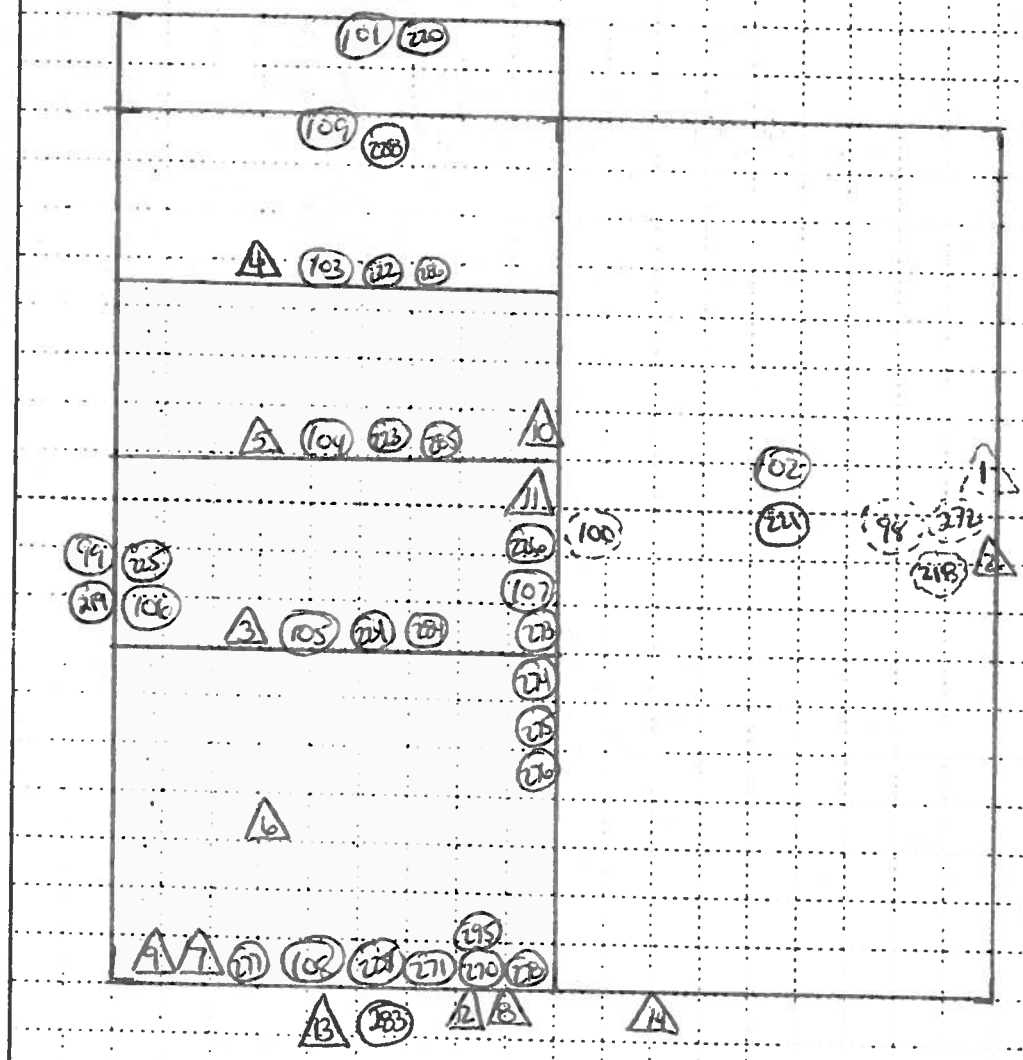
Performed By: DAVID J. DUCHESE



AVGED USING INST. # 3.

Job Location: PFIZER INC EASTERN POINT ROAD GROTON CT Page: 19 of 41
Survey Purpose: RELEASE - RELEASE FREEZER #7 Date: 2/4/98
Performed By: DAVID J. DURKIN

FREEZER # 7 DOOR OPEN (FRONT VIEW)



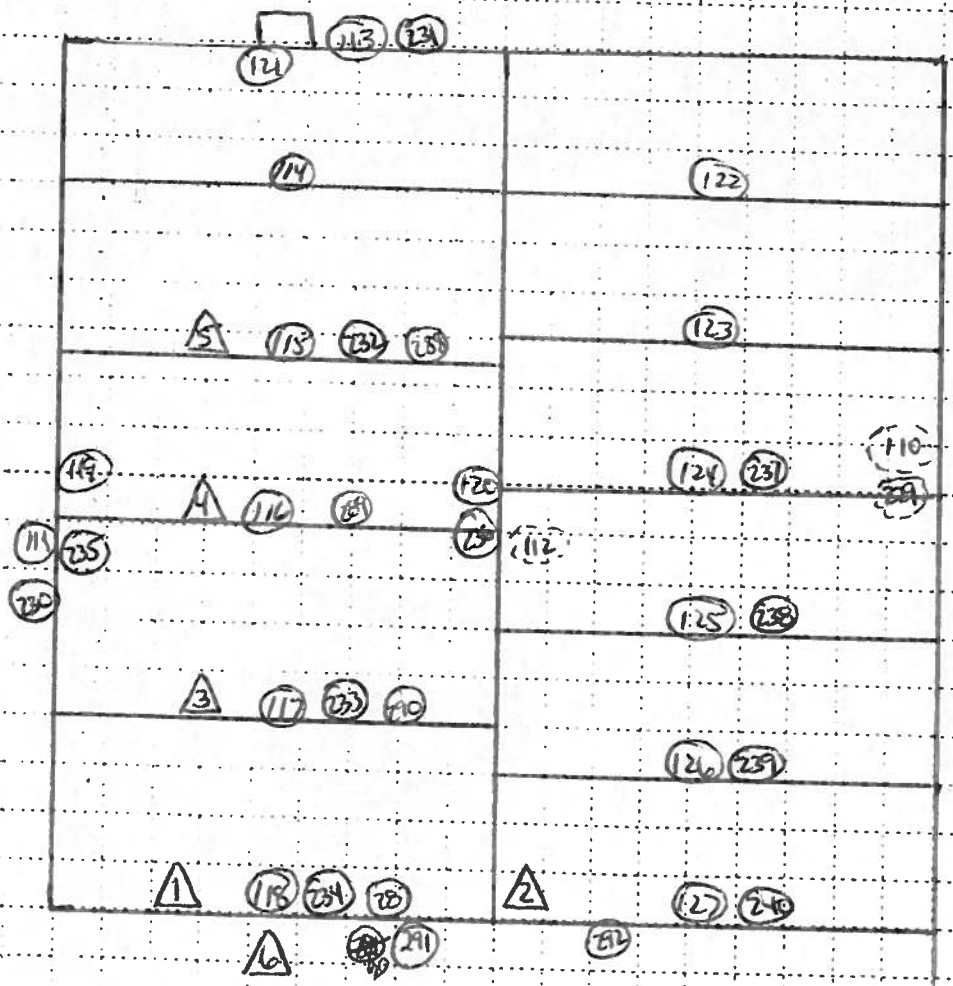
SEE SHEET 29 of 41 FOR DATA

○ Swipe
□ Air Sample
Meter Reading = Rad Survey in μrem/h
△ ELEVATED ACTIVITY

NIST #3

Job Location: PFIZER INC EASTERN POINT ROAD GROTON CT Page: 20 of 41
Survey Purpose: FREE-RELEASE FREEZER #4 Date: 2/4/98
Performed By: DAVID J. DURKEE

FREEZER #4 w/ DOOR OPEN (FRONT VIEW)



1. 6771 DPM / 800 cm²
2. 1014 DPM / 50 cm²
3. ~~19,4~~ 194,393 DPM / 300 cm²
4. 6707 DPM / 100 cm²
5. 3429 DPM / 300 cm²
6. 3571 DPM / 500 cm²

○ Swipe
□ Air Sample
Meter Reading = Rad Survey in μrem/h
△ - ELEVATED ACTIVITY

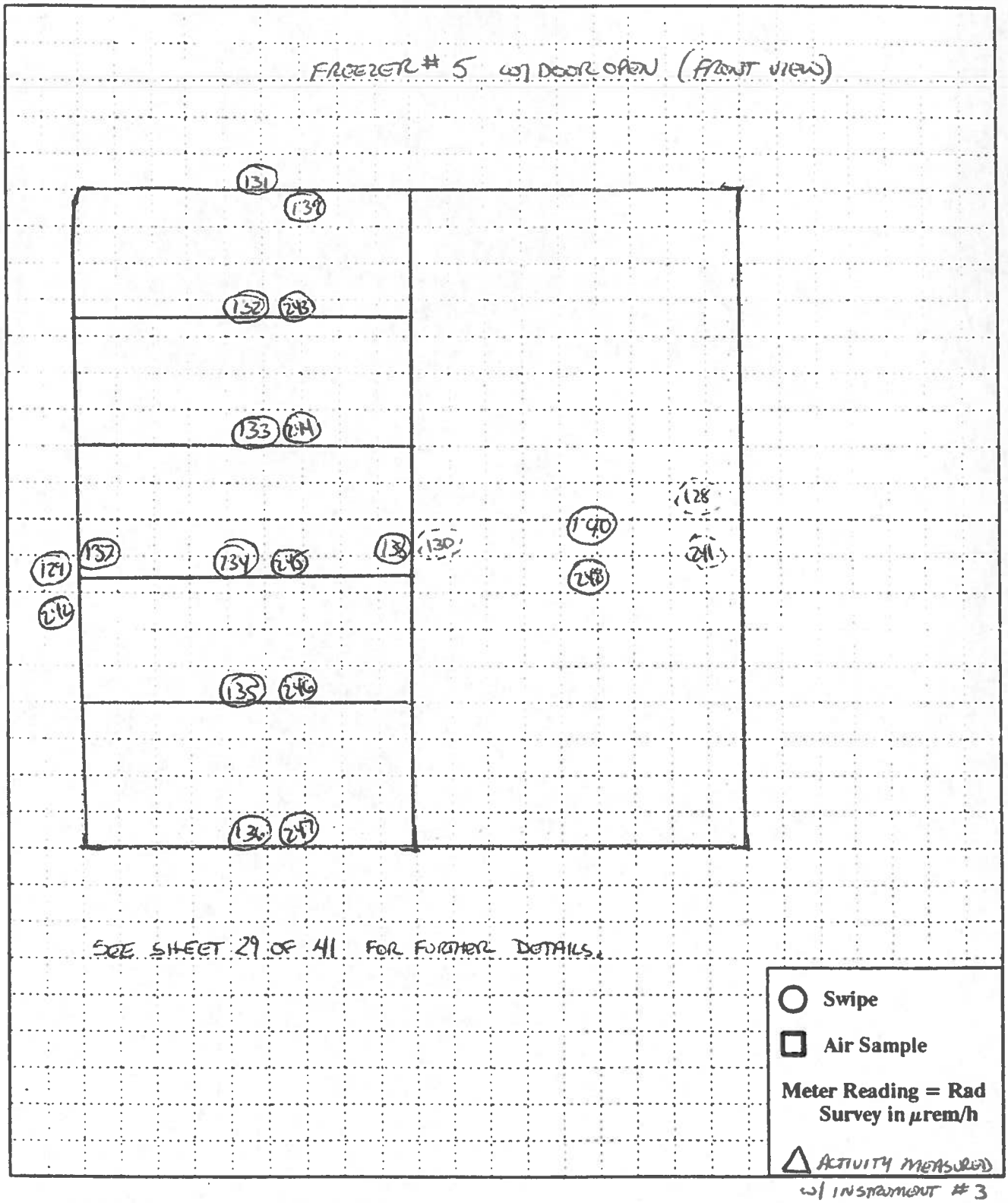
SEE SHEET 30 OF 41 FOR FURTHER DETAILS.

NOTED USING INST #3.

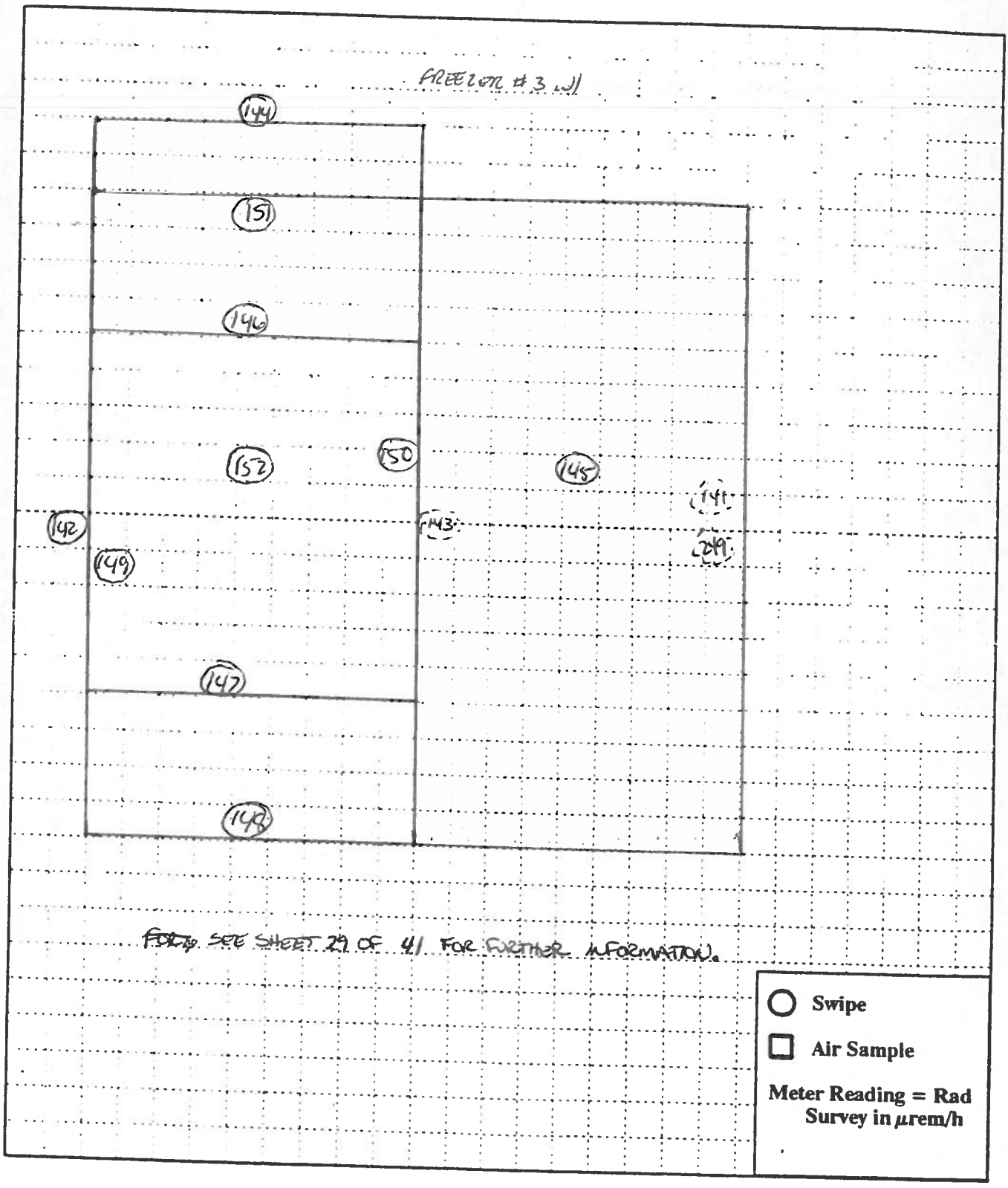
Job Location: PFIZER EASTERN POINT ROAD GROTON CT Page: 21 of 41

Survey Purpose: FREE-RELEASE FREEZER #5 Date: 2/4/98

Performed By: DAVID J. DURKEE

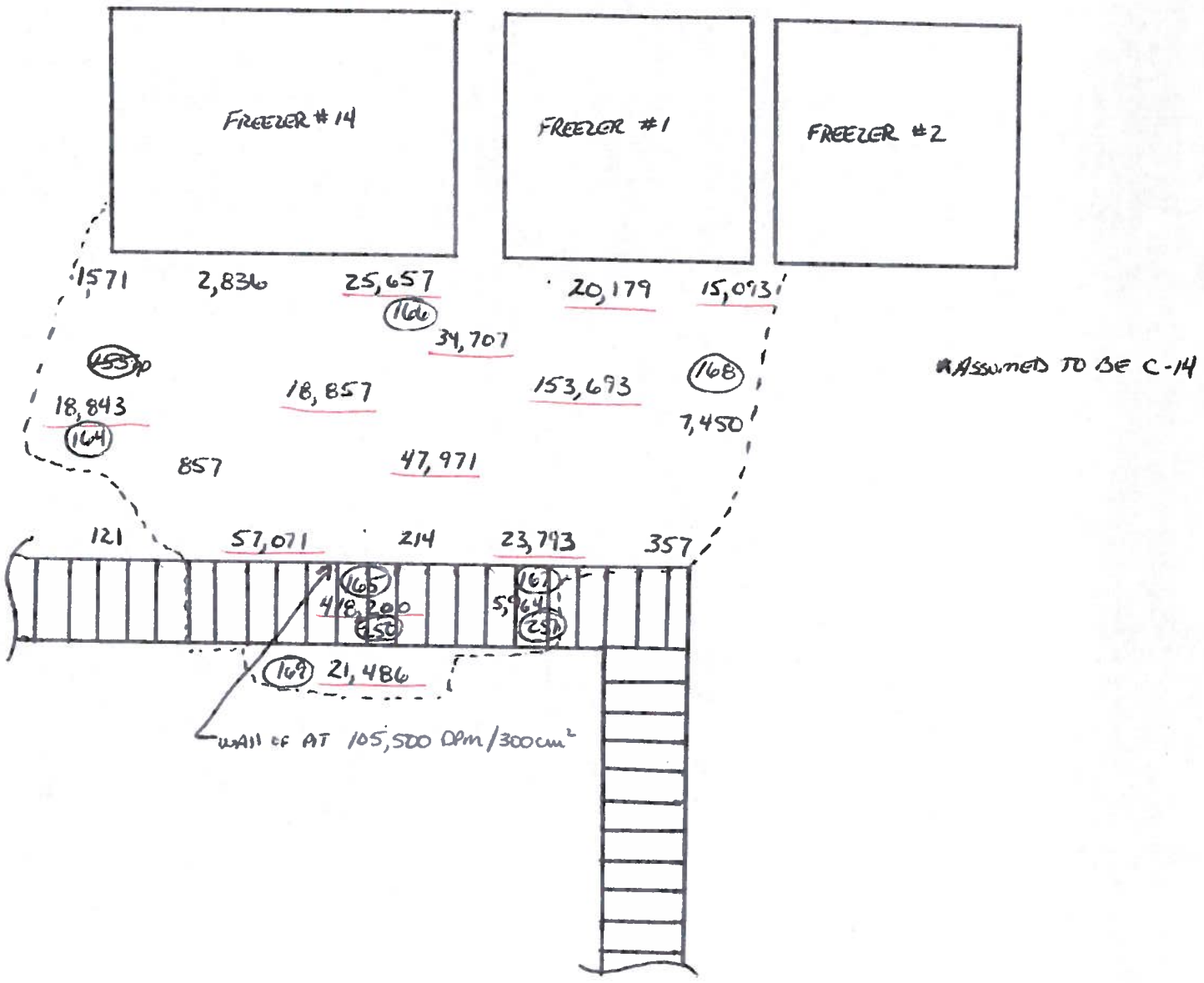


Job Location: PFIZER INC, EASTERN POINT ROAD GROTON CT Page: 22 of 41
Survey Purpose: FREE-RELEASE FREEZER # 3 Date: 2/4/98
Performed By: DAVID J DURKEE DOJ



Radiological Survey Comments Form

Job Location: FELTON INC. EASTERN POINT ROAD GROTON CT Page: 23 of 41
Survey Purpose: FREE - RELEASE FREEZERS Date: 2/6/98
Performed By: DAVID J. DUPUIS



ASSUMED TO BE C-14

** READINGS IN UNITS OF DPM/100cm² w/ INSTRUMENT #3

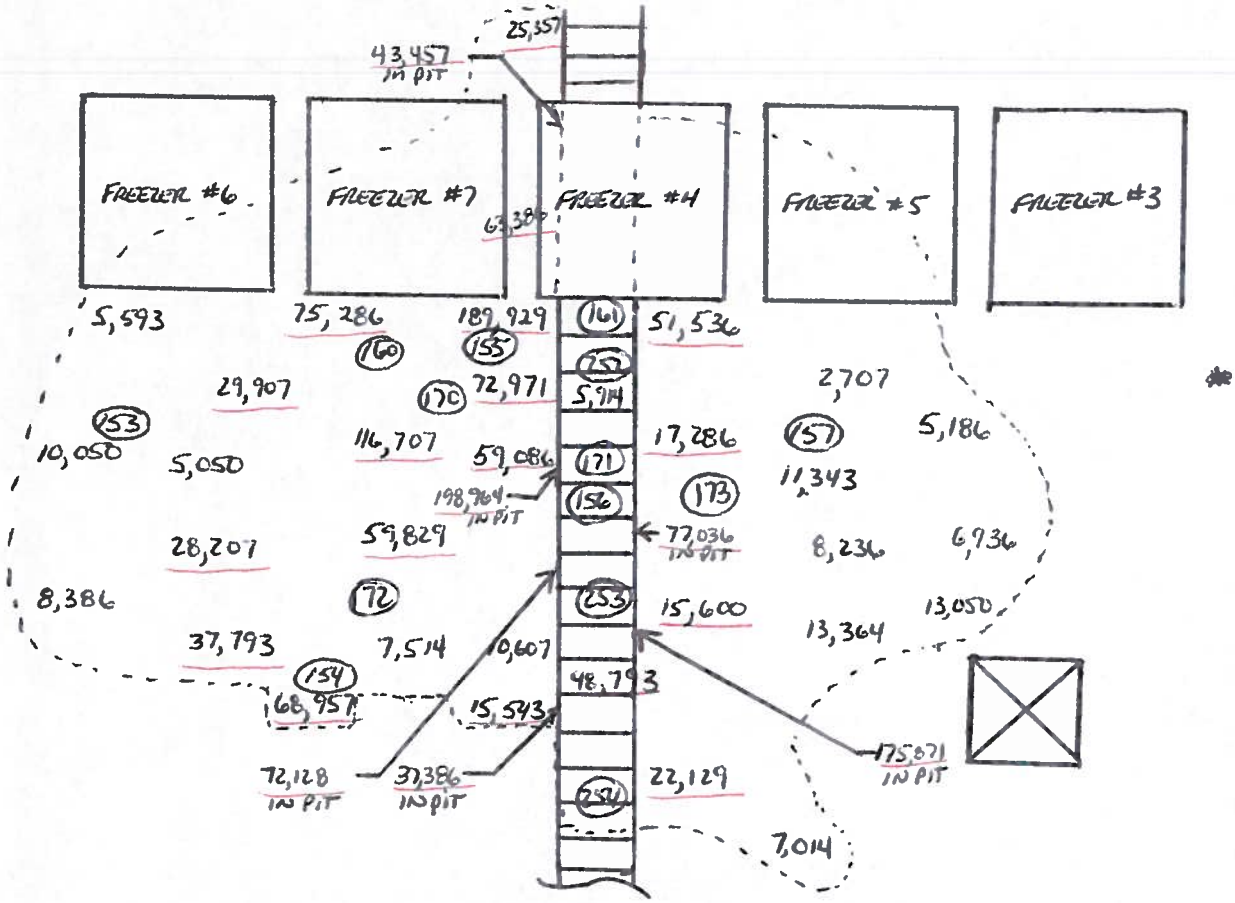
O = WIPE LOCATION

Radiological Survey Comments Form

Job Location: PFIZER INC. EASTERN POINT ROAD GROTON CT Page: 24 of 41

Survey Purpose: FACE-RELEASE FREEZERS Date: 2/6/98

Performed By: DAVID J. DUBOIS



* ASSUMED TO BE C-1

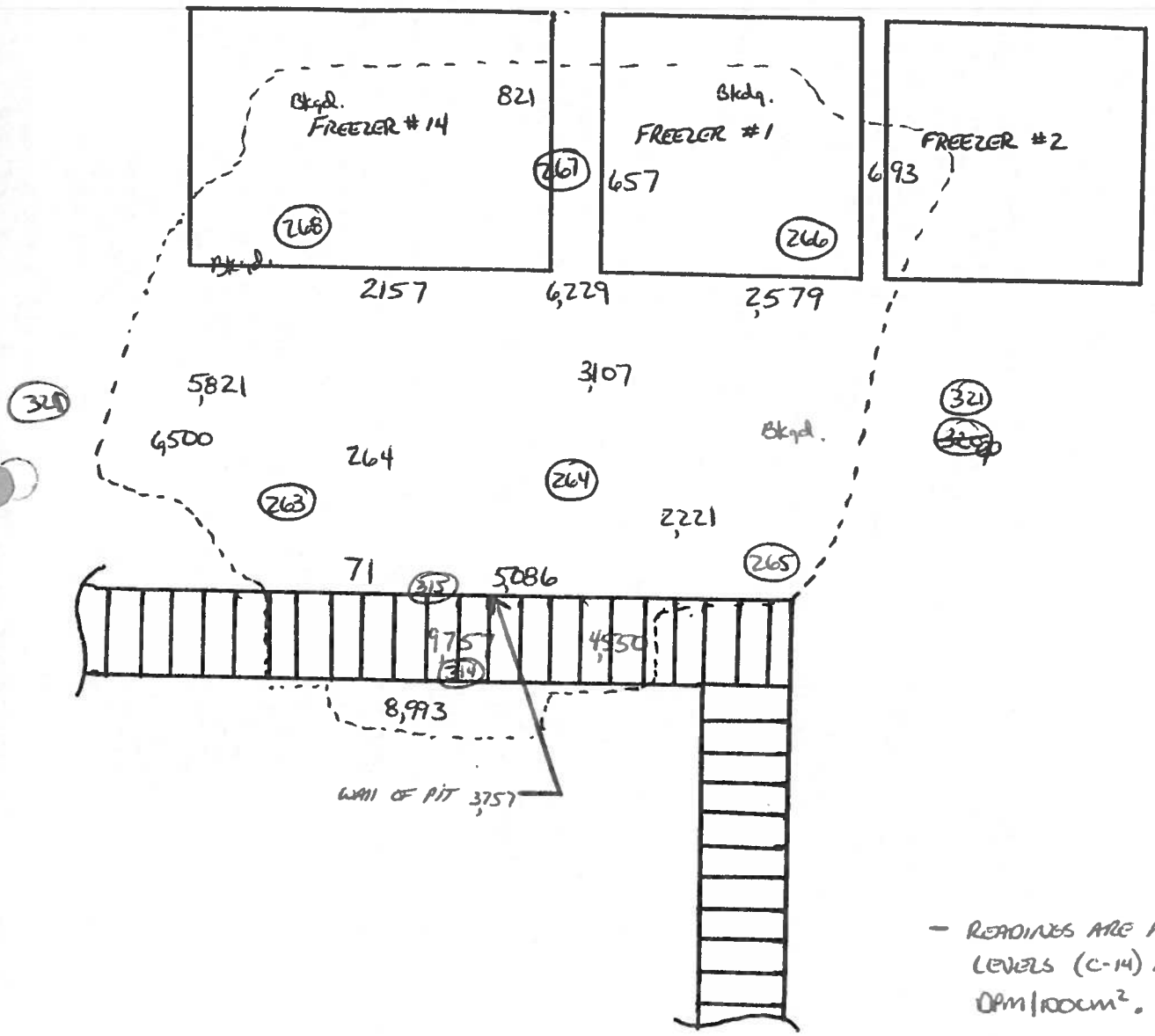
** READINGS IN UNITS OF DPM/100cm² W/ INST. #3

○ = WIPE LOCATION

Radiological Survey Comments Form

Job Location: PFIZER INC EASTERN POINT ROAD GROTON CT Page: 25 of 41
Survey Purpose: FREE - RELEASE FREEZERS Date: 2/6/98
Performed By: DAVID J. DUPUIS

FLOOR (POST - DECON)



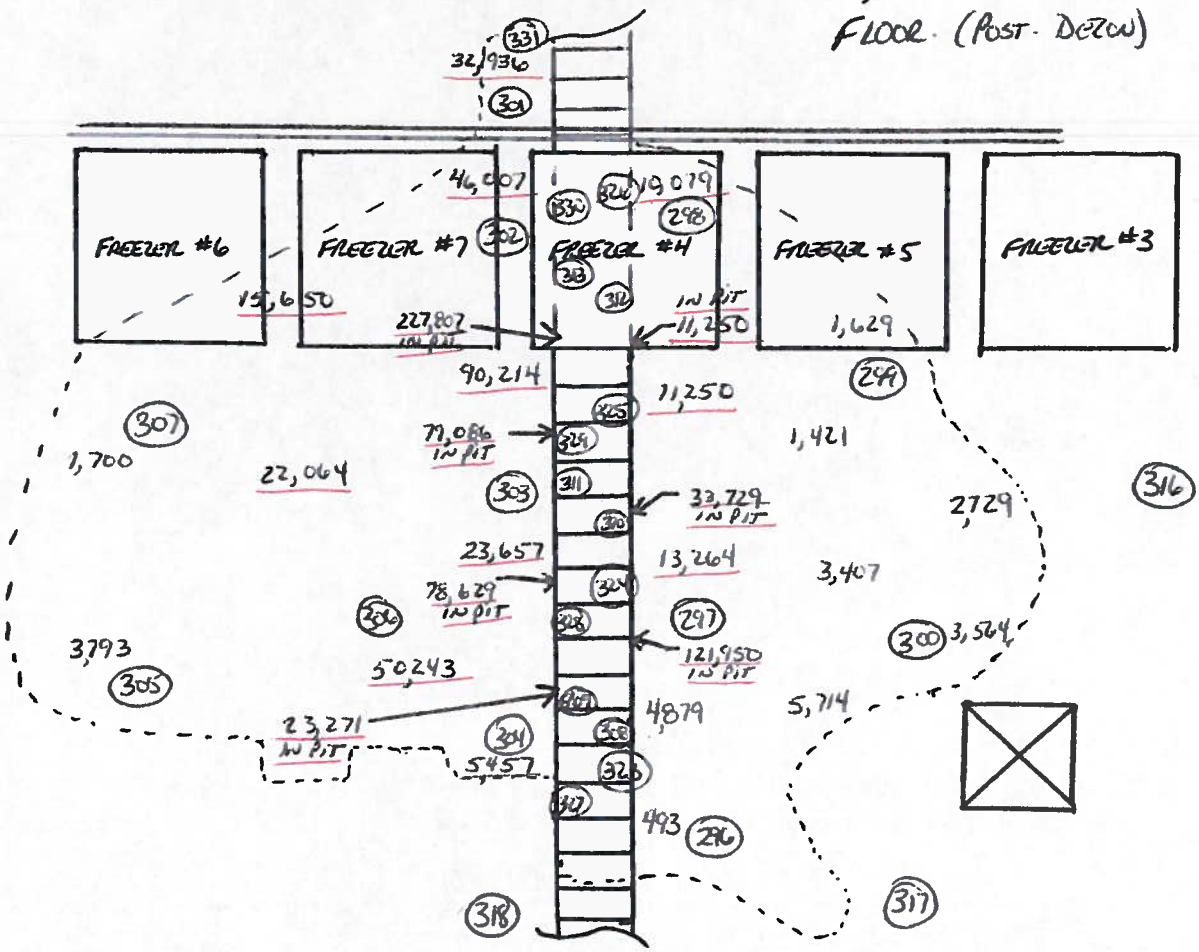
- READINGS ARE FIXED ACTIVITY LEVELS (C-14) IN UNITS OF DPM/100CM². INSTRUMENT #3.

- O = WIPE LOCATION

Radiological Survey Comments Form

Job Location: AETNA INC. EASTERN POINT ROAD GROTON CT Page: 26 of 41
Survey Purpose: FACE-RELEASE FREEZERS Date: 2/23/98
Performed By: DAVID J. DUCHOTE

FLOOR (POST-DECON)



★ ASSUMED TO BE C-14

★★ READINGS IN UNITS OF DPM/100cm² W/ INSTRUMENT #3.

○ = WIPE LOCATIONS

Radiological Survey Comments Form

Job Location: PFIZER INC EASTERN POINT ROAD GROTON CT Page: 27 of 41
Survey Purpose: FREE - RELEASE FREEZERS Date: 2/6/98
Performed By: DAVID J. DURKEE

NOTE 1: WIPED DOWN THE OUTSIDE AND INSIDE SURFACES OF EACH FREEZER IN ORDER TO REMOVE LOOSE RADIOACTIVITY. DISPOSED OF RAGS AS RADIOACTIVE WASTE.
DATE: 2/6/98 - 2/20/98

NOTE 2: NOTED ACTIVITY ON FLOOR SURFACES IN FRONT OF FREEZERS. THIS ACTIVITY WAS DETERMINED TO BE LOOSE, SECURED AREA AND WIPED DOWN AFFECTED AREA WITH DECON SOLUTION AND RAGS. DISPOSED OF RAGS AS RADIOACTIVE WASTE. SCRUBBED FLOOR WITH WIRE BRUSH AND DECON SOLUTION.
DATE 2/6/98 -

FREEZERS #12: SURVEYED 100% OF SURFACES OF EACH FREEZER USING INSTRUMENT #3. IF RADIOACTIVITY IN EXCESS OF BACKGROUND LEVELS WAS NOTED, INSTRUMENT #2 WAS USED TO TRY AND DETERMINE EXTENT OF CONTAMINATION. AREAS NOTED TO BE IN EXCESS OF NORMAL BACKGROUND LEVELS WERE DECONTAMINATED AS INDICATED BELOW.

FREEZER #12: FIVE (5) LOCATIONS WERE NOTED TO BE IN EXCESS OF NORMAL BACKGROUND LEVELS.
2/6/98

1) UPPER, RIGHT DOOR HANDLE - 26,643 DPM/100 cm² C-14. Deconned to normal Background using Decon Solution and Rags.
2) LOWER, RIGHT DOOR HANDLE - 8,443 DPM/100cm². Deconned to normal Background Levels using Decon Solution and Rags.
3) SHELF BRACKET RIGHT SIDE 2nd Shelf - 22,171 DPM/~~100~~ 50 cm². Deconned to NORMAL BACKGROUND LEVER USING DECON SOLUTION AND RAGS.
4) Bottom Shelf, RIGHT SIDE - 15,029 DPM / 300 cm² C-14. Deconned to 1429 DPM/300cm² Fixed Activity using Decon Solution AND RAGS.
5) SHELF BRACKET, LEFT SIDE 2nd shelf RIGHT SIDE - 6,429 DPM/50 cm² C-14. Deconned to NORMAL BACKGROUND LEVELS USING Decon Solution AND RAGS.

Radiological Survey Comments Form

Job Location: PFIZER INC. EASTERN POINT ROAD GROTON CT Page: 28 of 41
Survey Purpose: FACE-RELEASE FREEZERS Date: 2/12/98
Performed By: DAVID J. DUNKLEE

FREEZER #14: FIVE(5) LOCATIONS WERE NOTED TO BE IN EXCESS OF NORMAL BACKGROUND LEVELS

2/12/98-2/13/98
1) RIGHT DOOR HANDLE - 1,271 DPM/50cm² C-14. DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION AND RAGS.
2) LIP OF LEFT SIDE BASE - 7,857 DPM/200 cm² C-14. DECONNED TO 7,429 DPM/100 cm² $\frac{95}{90}$ BY REMOVING PIECES OF THE FREEZER LIP AND BY USING DECON SOLUTION AND RAGS. THIS REMAINING ACTIVITY IS FIXED.
3) BOTTOM OF LEFT DOOR - 3,571 DPM/200cm². DECONNED TO ~~NORMAL~~ $\frac{90}{90}$ 2,271 DPM/100cm² ~~BACKGROUND LEVELS~~ FIXED BY REMOVING RUBBER SEAL AND WIPING DOWN AREA USING DECON SOLUTION AND RAGS.
4) BOTTOM FRONT CENTER OF FREEZER - 15,107 DPM/100 cm² C-14. DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION AND RAGS.
5) RIGHT SIDE LIP BASE - 493 DPM/50 cm² C-14. DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION AND RAGS AND BY CUTTING AWAY A PORTION OF THE LIP.

FREEZER #1: FOUR(4) LOCATIONS WERE NOTED TO BE IN EXCESS OF NORMAL BACKGROUND LEVELS

2/12/98
1) LIP OF SHELF #4 - 3,493 DPM/100 cm² C-14. WIPED DOWN WITH DECON SOLUTION AND RAGS. ACTIVITY LEVEL REMAINED CONSTANT AND FIXED.
2) LIP OF SHELF #3 - 429 DPM/100cm² C-14. WIPED DOWN WITH DECON SOLUTION AND RAGS. ACTIVITY LEVEL REMAINED CONSTANT AND FIXED.
3) BOTTOM FRONT EDGE, LEFT SIDE - 8,229 DPM/100 cm² C-14. DECONNED TO 4,114 DPM/100cm² FIXED ACTIVITY $\frac{50}{50}$ USING DECON SOLUTION AND RAGS.
4) BOTTOM LEFT SIDE - 5929 DPM/100 cm² C-14. DECONNED TO 3,700 DPM/$\frac{100}{90}$cm² FIXED ACTIVITY USING DECON SOLUTION AND RAGS.

FREEZER #2: THREE(3) LOCATIONS WERE NOTED TO BE IN EXCESS OF NORMAL BACKGROUND LEVELS

2/12/98
1) SHELF #3 - 102,702 DPM/100cm². DECONNED TO 5,121 DPM/100 cm² FIXED ACTIVITY USING DECON SOLUTION AND RAGS.
2) SHELF #4 - 8,671 DPM/100 cm². DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION AND RAGS.
3) BOTTOM LEFT SIDE - 486 DPM/300 cm². DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION AND RAGS.

Radiological Survey Comments Form

Job Location: PFIZER INC EASTERN POINT ROAD GROTON CT Page: 29 of 41
Survey Purpose: FILOW - RELEASE FREEZERS Date: 2/18/98
Performed By: DAVID J. DURAUER

FREEZERS #5 & #3 : NO LOCATIONS WERE NOTED TO BE IN EXCESS OF NORMAL BACKGROUND.

FREEZER #6 : ONE (1) LOCATION WAS NOTED TO BE IN EXCESS OF NORMAL BACKGROUND LEVELS.

2/18/98 1) THE TOP OF THE FREEZER - 2,536 DPM/800 cm^2 C-14. DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION AND RAGS.

FREEZER #7 : FOURTEEN (14) LOCATIONS WERE NOTED TO BE IN EXCESS OF NORMAL BACKGROUND LEVELS.

2/18/98 - 2/20/98 1) OUTSIDE OF DOOR, BY HANDLE - 6,836 DPM/200cm^2. DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION AND RAGS.

2) INSIDE DOOR SEAL BY HANDLE - 2,886 DPM/100cm^2. REMOVED RUBBER MOLDING AND WIPED DOWN AREA USING DECON SOLUTION AND RAGS. RETURNED TO NORMAL BACKGROUND LEVELS.

3) SHELF #3 - 714 DPM/100cm^2. WIPED DOWN USING DECON SOLUTION AND RAGS TO REDUCE ACTIVITY LEVEL TO 429 DPM/100cm^2.

4) SHELF #1 - 24,164 DPM/200cm^2. WIPED DOWN USING DECON SOLUTION AND RAGS TO REDUCE ACTIVITY LEVEL TO 429 DPM/100cm^2.

5) SHELF #2 - 2,257 DPM/100cm^2. DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION AND RAGS.

6) MID BACK OF FREEZER - 1,064 DPM/200cm^2. DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION AND RAGS.

7) LOWER BACK OF FREEZER - 7,093 DPM/300cm^2. DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION AND RAGS.

8) BOTTOM, FRONT RIGHT INSIDE - 20,321 DPM/100cm^2. DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION, STEEL WOOL AND RAGS.

9) BOTTOM INSIDE FREEZER - 2,800 DPM/600cm^2. DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION, STEEL WOOL AND RAGS.

10) RIGHT INSIDE - 1,329 DPM/1,000 ~~sq~~ cm^2. DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION AND RAGS.

Radiological Survey Comments Form

Job Location: PFIZER INC. EASTERN POINT ROAD GROTON CT Page: 30 of 41
Survey Purpose: FREE-RELEASE FREEZERS Date: 2/10/98
Performed By: DAVID J. DURKEE

(FREEZER #7 CONT'D) 11) RIGHT SIDE, 2/3 WAY up, BACK – 6,714 DPM/100 cm² C-14. DECONNED TO NORMAL BACKGROUND LEVELS USING DECON SOLUTION AND RAGS.

12) BOTTOM OUTSIDE FRONT LIP – 28,750 DPM/100 cm². DECONNED TO ~~xxx~~ 4,029 DPM/100 cm² FIXED USING SANDPAPER, DECON SOLUTION AND RAGS.

13) BOTTOM BASE OF FREEZER. 19,629 DPM/300 cm². DECONNED TO NORMAL BACKGROUND LEVELS USING STEELWOOL, DECON SOLUTION AND RAGS.

14) BOTTOM DOOR – 2,143 DPM/200 cm². DECONNED TO 307 DPM/200 cm² BY REMOVING RUBBER SEAL AND WIPING DOWN WITH DECON SOLUTION AND RAGS.

FREEZER #4: SIX (6) LOCATIONS WERE NOTED TO BE IN EXCESS OF NORMAL BACKGROUND LEVELS

2/10/98-2/10/98 1) BOTTOM INSIDE – 6,771 DPM/600 cm². DECONNED TO 236 DPM/800 cm² USING SAND PAPER, DECON SOLUTION AND RAGS.

2) BOTTOM DOOR, LEFT INSIDE – 1,014 DPM/50 cm². DECONNED TO BACKGROUND LEVELS BY REMOVING RUBBER SEAL AND WIPING DOWN AREA WITH DECON SOLUTION AND RAGS.

3) SHELF #4 – 194,393 DPM/300 cm². CUT OUT SHELF AND DISPOSED OF AS RAD-WASTE.

4) SHELF #3 – 6,707 DPM/100 cm². DECONNED TO 2,714 DPM/100 cm² FIXED C-14 USING STEER WOOL, DECON SOLUTION AND RAGS

5) SHELF #2 – 3,429 DPM/300 cm². DECONNED TO ~~379~~ 2521/90 DPM/300 cm² FIXED C-14 USING STEER WOOL, DECON SOLUTION AND RAGS. ...

6) BOTTOM, OUTSIDE OF FREEZER. – 3,571 DPM/500 cm². DECONNED USING STEELWOOL DECON SOLUTION AND RAGS TO A LEVEL OF 714 DPM/500 cm² FIXED C-14.

NOTE 3: UNABLE TO DECONTAMINATED THE FLOOR TO BELOW FREE-RELEASE LIMITS FOR FIXED ACTIVITY USING NON-DESTRUCTIVE TECHNIQUES. ALL LOOSE RADIOACTIVITY REMOVED. THE FLOOR AREAS NOTED TO BE ABOVE THE FIXED LIMITS WILL NEED TO BE ADDRESSED DURING DECOMMISSIONING.

USER: 4 ID:RAD SAFETY PRESET TIME: 1.00 FRI 06 FEB 1998 12:24
SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCR:N RS232:N
H#: 1 AQC:Y QCF:N RCM:Y
RCM-TIME: 0.10 INT:999.95
CHANNEL 1-LL: 0 UL: 400 2SIGMA:14.00 BKG SUB: 15.00 BKG 2SIG: 8.00 LSR: 0
CHANNEL 2-LL:400 UL: 670 2SIGMA: 7.00 BKG SUB: 14.00 BKG 2SIG: 4.00 LSR: 0
CHANNEL 3-LL:670 UL:1000 2SIGMA: 2.00 BKG SUB: 15.00 BKG 2SIG: 2.00 LSR: 0
DATA CALC: CPM, UNKNOWN REPLICATES: 1 NORM FACTOR:0 1.00000
HALF LIFE(DAYS):N

SAM	CPM1	CPM2	CPM3	TIME	AVG H#	RCM%	ERR
1	42.00	26.00	2.00	1.00	111.0	14.27	
2	131.00	79.00	0.00	1.00	114.0	4.97	
3	247.00	210.00	3.00	1.00	100.0	3.33	
4	44.00	36.00	3.00	1.00	108.0	9.10	
5	43.00	44.00	1.00	1.00	103.0	5.42	
6	136.00	122.00	1.00	1.00	105.0	3.14	
7	185.00	247.00	1.00	1.00	92.0	1.48	
8	38.00	20.00	-3.00	1.00	104.0	5.33	110
9	17.00	5.00	3.00	1.00	105.0	9.89	
10	7.00	8.00	5.00	1.00	105.0	8.27	
11	8.00	0.00	5.00	1.00	125.0	16.94	
12	9.00	11.00	2.00	1.00	124.0	13.80	
13	173.00	191.00	-4.00	1.00	84.0	6.71	110
14	53.00	63.00	1.00	1.00	78.0	8.29	
15	-1.00	8.00	7.00	1.00	78.0	13.91	108
16	2.00	-8.00	-7.00	1.00	76.0	10.85	109
17	17.00	-7.00	-4.00	1.00	92.0	25.08	109
18	5.00	12.00	-1.00	1.00	96.0	6.31	110
19	25.00	45.00	9.00	1.00	72.0	1.84	
20	13.00	22.00	0.00	1.00	74.0	7.77	
21	51.00	102.00	-2.00	1.00	81.0	2.64	110
22	5.00	0.00	3.00	1.00	94.0	12.75	
23	10.00	36.00	3.00	1.00	70.0	2.09	
24	214.00	415.00	0.00	1.00	76.0	0.62	
25	122.00	140.00	7.00	1.00	80.0	2.36	
26	71.00	98.00	-4.00	1.00	80.0	2.36	110
27	13.00	30.00	1.00	1.00	69.0	6.47	
28	7.00	-3.00	0.00	1.00	67.0	7.01	109
29	6.00	14.00	0.00	1.00	72.0	3.18	
30	8.00	25.00	2.00	1.00	71.0	4.17	
31	6.00	12.00	-1.00	1.00	84.0	4.97	110
32	23.00	23.00	5.00	1.00	80.0	11.48	
33	30.00	50.00	0.00	1.00	84.0	8.64	
34	9.00	7.00	1.00	1.00	80.0	19.01	
35	24.00	2.00	-3.00	1.00	80.0	11.46	110
36	19.00	1.00	-6.00	1.00	82.0	22.54	110
37	5.00	-2.00	1.00	1.00	74.0	22.31	109
38	6.00	2.00	4.00	1.00	93.0	14.88	
39	10.00	8.00	-2.00	1.00	74.0	10.17	110
40	6.00	4.00	-2.00	1.00	74.0	5.90	110
41	4.00	7.00	7.00	1.00	69.0	3.65	
42	14.00	46.00	0.00	1.00	75.0	3.56	
43	135.00	226.00	-1.00	1.00	74.0	1.11	110

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SAM	CPM1	CPM2	CPM3	TIME	AVG H#	RCM%	ERR
44	8.00	2.00	7.00	1.00	103.0	8.19	
45	31.00	17.00	-1.00	1.00	82.0	5.12	110
46	96.00	53.00	-2.00	1.00	89.0	2.26	110
47	20.00	18.00	7.00	1.00	73.0	8.89	
48	6.00	-1.00	5.00	1.00	75.0	4.55	109
49	16.00	12.00	2.00	1.00	85.0	7.74	
50	35.00	47.00	7.00	1.00	72.0	3.48	
51	34.00	33.00	6.00	1.00	80.0	2.80	
52	166.00	281.00	5.00	1.00	85.0	1.90	
53	46.00	31.00	4.00	1.00	86.0	22.19	
54	8.00	1.00	4.00	1.00	94.0	21.04	
55	482.00	768.00	5.00	1.00	75.0	0.34	
56	111.00	123.00	-1.00	1.00	68.0	0.98	110
57	3562.00	4612.00	7.00	1.00	74.0	0.03	
58	491.00	1006.00	-2.00	1.00	64.0	0.14	110
59	4642.00	5674.00	4.00	1.00	78.0	0.05	
60	28.00	60.00	0.00	1.00	66.0	1.83	
61	329.00	473.00	1.00	1.00	76.0	0.65	
62	43.00	78.00	9.00	1.00	70.0	4.68	
63	13.00	12.00	1.00	1.00	63.0	9.30	
64	105.00	145.00	3.00	1.00	68.0	2.25	
65	9.00	3.00	-1.00	1.00	103.0	27.99	110
66	24.00	2.00	0.00	1.00	106.0	30.49	
67	120.00	221.00	1.00	1.00	75.0	1.61	
68	8.00	10.00	4.00	1.00	82.0	10.75	
69	19.00	-2.00	4.00	1.00	93.0	41.30	109
70	19.00	42.00	-1.00	1.00	69.0	2.93	110
71	93.00	153.00	-3.00	1.00	76.0	1.39	110
72	99.00	152.00	4.00	1.00	87.0	1.79	
73	106.00	168.00	6.00	1.00	86.0	3.71	
74	99.00	116.00	-4.00	1.00	97.0	4.15	110
75	31.00	99.00	3.00	1.00	73.0	2.33	
76	9.00	36.00	4.00	1.00	68.0	2.69	
77	3.00	1.00	3.00	1.00	65.0	2.37	
78	10.00	12.00	4.00	1.00	64.0	2.80	
79	32.00	94.00	3.00	1.00	68.0	1.72	
80	47.00	56.00	1.00	1.00	89.0	14.93	
81	18.00	9.00	-1.00	1.00	77.0	6.42	110
82	5.00	8.00	-2.00	1.00	80.0	5.60	110
83	54.00	26.00	8.00	1.00	118.0	10.25	
84	3.00	2.00	6.00	1.00	63.0	18.45	
85	24.00	18.00	-3.00	1.00	67.0	7.38	110
86	26.00	28.00	-1.00	1.00	76.0	8.27	110
87	14.00	36.00	2.00	1.00	70.0	7.17	
88	22.00	18.00	14.00	1.00	72.0	5.24	
89	15.00	16.00	-3.00	1.00	64.0	3.93	110
90	19.00	26.00	7.00	1.00	68.0	3.50	
91	4.00	1.00	6.00	1.00	67.0	6.40	
92	9.00	3.00	3.00	1.00	77.0	5.05	
93	3.00	26.00	5.00	1.00	66.0	2.53	
94	13.00	27.00	4.00	1.00	75.0	6.48	
95	0.00	-2.00	-1.00	1.00	74.0	6.65	109
96	3.00	-6.00	-6.00	1.00	70.0	14.31	109

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SAM	CPM1	CPM2	CPM3	TIME	AVG H#	RCM%	ERR
97	3.00	3.00	-3.00	1.00	73.0	11.65	110
98	293.00	550.00	5.00	1.00	86.0	2.07	
99	53.00	63.00	8.00	1.00	77.0	2.28	
100	15.00	10.00	-2.00	1.00	80.0	7.63	110
101	28.00	2.00	4.00	1.00	101.0	29.77	
102	134.00	297.00	1.00	1.00	72.0	1.56	
103	379.00	1013.00	11.00	1.00	70.0	0.17	
104	232.00	606.00	-3.00	1.00	71.0	0.38	110
105	375.00	977.00	-1.00	1.00	72.0	0.22	110
106	76.00	173.00	1.00	1.00	64.0	1.29	
107	623.00	1709.00	9.00	1.00	65.0	0.10	
108	1433.00	1885.00	7.00	1.00	81.0	0.08	
109	42.00	69.00	5.00	1.00	70.0	1.99	
110	266.00	172.00	0.00	1.00	85.0	26.63	
111	36.00	53.00	-2.00	1.00	81.0	2.59	110
112	12.00	6.00	-1.00	1.00	86.0	8.32	110
113	70.00	61.00	-1.00	1.00	105.0	6.07	110
114	8.00	9.00	-2.00	1.00	67.0	3.15	110

115	16.00	53.00	0.00	1.00	68.0	2.29	
116	0.00	23.00	3.00	1.00	70.0	3.28	
117	1502.00	2594.00	0.00	1.00	78.0	0.07	
118	135.00	138.00	3.00	1.00	64.0	23.33	
119	16.00	42.00	1.00	1.00	67.0	1.95	
120	38.00	62.00	-2.00	1.00	66.0	1.42	110
121	3.00	4.00	5.00	1.00	71.0	4.93	
122	14.00	19.00	8.00	1.00	70.0	4.12	
123	-3.00	10.00	10.00	1.00	64.0	4.16	108
124	25.00	30.00	4.00	1.00	67.0	6.37	
125	74.00	151.00	3.00	1.00	73.0	2.65	
126	36.00	40.00	5.00	1.00	71.0	6.50	
127	14.00	50.00	4.00	1.00	72.0	8.44	
128	169.00	74.00	1.00	1.00	87.0	25.43	
129	51.00	33.00	4.00	1.00	85.0	22.76	
130	12.00	9.00	4.00	1.00	88.0	17.88	
131	7.00	9.00	1.00	1.00	98.0	20.64	
132	307.00	799.00	1.00	1.00	70.0	0.40	
133	35.00	71.00	9.00	1.00	68.0	8.84	
134	73.00	192.00	7.00	1.00	67.0	2.21	
135	66.00	223.00	-3.00	1.00	68.0	1.26	110
136	74.00	55.00	2.00	1.00	79.0	34.10	
137	20.00	2.00	2.00	1.00	66.0	15.90	
138	14.00	4.00	10.00	1.00	71.0	11.37	
139	17.00	13.00	2.00	1.00	62.0	11.99	
140	383.00	822.00	2.00	1.00	70.0	0.91	
141	45.00	11.00	5.00	1.00	87.0	23.00	
142	17.00	1.00	-4.00	1.00	85.0	37.94	110
143	16.00	-1.00	5.00	1.00	97.0	26.42	107
144	10.00	1.00	-3.00	1.00	98.0	29.72	110
145	10.00	0.00	3.00	1.00	85.0	14.24	
146	2.00	0.00	-2.00	1.00	67.0	13.34	110
147	5.00	6.00	1.00	1.00	66.0	12.78	
148	4.00	-2.00	-2.00	1.00	77.0	20.33	109
149	8.00	4.00	-1.00	1.00	65.0	6.12	110

SAM	CPM1	CPM2	CPM3	TIME	AVG H#	RCM%	ERR
150	0.00	-1.00	-2.00	1.00	63.0	20.78	10%
151	10.00	-4.00	-1.00	1.00	61.0	8.87	10%
152	5.00	-1.00	-2.00	1.00	64.0	6.77	10%

USER: 5 ID:5 PRESET TIME: 1.00 WED 11 FEB 1998 21:08
SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCR:N RS232:N
#: 1 AQC:Y QCF:N RCM:Y
M-TIME: 0.10 INT:999.95
CHANNEL 1-LL: 0 UL: 400 2SIGMA: 2.00 BKG SUB: 15.00 BKG 2SIG: 2.00 LSR: 0
CHANNEL 2-LL:400 UL: 670 2SIGMA: 2.00 BKG SUB: 14.00 BKG 2SIG: 2.00 LSR: 0
CHANNEL 3-LL:670 UL:1000 2SIGMA: 2.00 BKG SUB: 15.00 BKG 2SIG: 2.00 LSR: 0
DATA CALC: CPM, UNKNOWN REPLICATES: 1 NORM FACTOR:Q 1.00000
HALF LIFE(DAYS):N

SAM	CPM1	CPM2	CPM3	TIME	AVG H#	RCM%	ERR
1	36.00	38.00	-4.00	1.00	121.0	3.07	110
2	104.00	100.00	6.00	1.00	123.0	1.07	
3	218.00	288.00	0.00	1.00	117.0	0.40	
4	183.00	112.00	10.00	1.00	101.0	0.78	
5	52.00	66.00	0.00	1.00	116.0	1.90	
6	2.00	7.00	4.00	1.00	67.0	2.22	
7	0.00	19.00	-4.00	1.00	70.0	1.91	110
8	38.00	91.00	1.00	1.00	77.0	0.71	
9	15.00	19.00	1.00	1.00	78.0	1.58	
10	2.00	-1.00	0.00	1.00	68.0	7.46	109
11	13.00	3.00	2.00	1.00	68.0	17.79	
12	21.00	16.00	9.00	1.00	101.0	3.77	
13	263.00	408.00	1.00	1.00	94.0	0.46	
14	24.00	28.00	-6.00	1.00	107.0	3.05	110
15	92.00	113.00	1.00	1.00	104.0	1.00	
16	4.00	13.00	-2.00	1.00	92.0	5.73	110
17	7.00	10.00	-1.00	1.00	93.0	3.82	110
18	27.00	42.00	-3.00	1.00	83.0	2.10	110
19	14.00	36.00	2.00	1.00	79.0	2.25	
20	8.00	15.00	-1.00	1.00	90.0	2.35	110
21	5.00	6.00	-4.00	1.00	80.0	3.64	110
22	7.00	-3.00	-5.00	1.00	72.0	5.83	109
23	3.00	0.00	-11.00	1.00	79.0	9.33	110
24	11.00	11.00	3.00	1.00	61.0	3.14	
25	6.00	7.00	1.00	1.00	59.0	4.99	
26	11.00	17.00	0.00	1.00	67.0	3.55	
27	3.00	-5.00	0.00	1.00	63.0	5.10	109
28	2.00	1.00	6.00	1.00	64.0	3.83	
29	6.00	1.00	1.00	1.00	66.0	2.81	
30	-3.00	-4.00	-2.00	1.00	62.0	5.01	108
31	3.00	-6.00	-3.00	1.00	68.0	7.49	109
32	0.00	0.00	4.00	1.00	60.0	2.81	
33	23.00	57.00	0.00	1.00	63.0	2.60	
34	-1.00	3.00	6.00	1.00	69.0	4.68	108
35	1.00	8.00	-1.00	1.00	68.0	4.69	110
36	15.00	-3.00	8.00	1.00	65.0	6.74	109
37	4.00	1.00	6.00	1.00	68.0	3.36	
38	13.00	12.00	10.00	1.00	87.0	2.81	
39	-2.00	-7.00	6.00	1.00	64.0	8.32	108
40	0.00	12.00	4.00	1.00	63.0	4.63	
41	19.00	18.00	-1.00	1.00	64.0	5.22	110
42	39.00	112.00	12.00	1.00	65.0	1.14	
43	29.00	91.00	7.00	1.00	66.0	1.54	

SAM	CPM1	CPM2	CPM3	TIME	AVG H#	RCM%	ERR
44	16.00	69.00	4.00	1.00	69.0	1.77	
45	5.00	-2.00	6.00	1.00	64.0	4.21	109
46	9.00	10.00	1.00	1.00	63.0	3.08	
47	26.00	45.00	-2.00	1.00	66.0	2.25	110
48	3.00	18.00	2.00	1.00	66.0	2.38	
49	7.00	-2.00	-4.00	1.00	65.0	3.23	109
50	9.00	6.00	2.00	1.00	66.0	3.61	
51	6.00	-1.00	2.00	1.00	63.0	5.65	109
52	3.00	2.00	4.00	1.00	63.0	3.20	
53	47.00	188.00	1.00	1.00	63.0	0.65	
54	9.00	21.00	6.00	1.00	62.0	3.93	
55	-4.00	-7.00	4.00	1.00	63.0	6.05	108
56	5.00	3.00	6.00	1.00	63.0	3.95	
57	-5.00	4.00	2.00	1.00	64.0	3.01	108

USER: 4 ID:RAD SAFETY PRESET TIME: 1.00 FRI 13 FEB 1998 10:47
SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCR:N RS232:N
H#: 1 AQC:Y QCF:N RCM:Y
RCM-TIME: 0.10 INT:999.95
CHANNEL 1-LL: 0 UL: 400 2SIGMA:14.00 BKG SUB: 17.00 BKG 2SIG: 8.00 LSR: 0
CHANNEL 2-LL:400 UL: 670 2SIGMA: 7.00 BKG SUB: 14.00 BKG 2SIG: 4.00 LSR: 0
CHANNEL 3-LL:670 UL:1000 2SIGMA: 2.00 BKG SUB: 15.00 BKG 2SIG: 2.00 LSR: 0
DATA CALC: CPM, UNKNOWN REPLICATES: 1 NORM FACTOR:Q 1.00000
HALF LIFE(DAYS):N

SAM	CPM1	CPM2	CPM3	TIME	AVG H#	RCM%	ERR
1	-7.00	4.00	8.00	1.00	63.0	1.90	108
2	8.00	20.00	4.00	1.00	65.0	1.41	
3	5.00	21.00	0.00	1.00	63.0	2.22	
4	28.00	27.00	0.00	1.00	66.0	1.51	
5	12.00	16.00	6.00	1.00	63.0	1.58	
6	8.00	23.00	0.00	1.00	63.0	1.29	
7	1.00	5.00	0.00	1.00	69.0	3.27	
8	16.00	15.00	7.00	1.00	72.0	3.89	
9	2.00	18.00	-2.00	1.00	63.0	2.85	110
10	-1.00	7.00	-7.00	1.00	67.0	3.54	108
11	13.00	5.00	2.00	1.00	71.0	7.35	
12	1.00	4.00	6.00	1.00	62.0	6.21	
13	34.00	110.00	-5.00	1.00	64.0	0.51	110
14	415.00	1334.00	16.00	1.00	62.0	0.17	
15	111.00	360.00	9.00	1.00	62.0	0.21	
16	-6.00	13.00	7.00	1.00	63.0	1.66	105
17	26.00	117.00	8.00	1.00	61.0	0.70	
18	19.00	61.00	0.00	1.00	63.0	0.89	
19	-3.00	2.00	3.00	1.00	63.0	5.84	108
20	11.00	-3.00	2.00	1.00	63.0	18.69	109
21	11.00	4.00	-7.00	1.00	70.0	9.19	110
22	3.00	4.00	7.00	1.00	69.0	4.10	
23	14.00	25.00	0.00	1.00	61.0	3.01	
24	41.00	99.00	0.00	1.00	64.0	1.60	
25	67.00	195.00	4.00	1.00	63.0	6.33	
26	9.00	5.00	5.00	1.00	64.0	3.50	
27	1.00	1.00	-3.00	1.00	62.0	5.18	110
28	6.00	3.00	11.00	1.00	62.0	2.44	
29	5.00	0.00	-5.00	1.00	63.0	3.45	110
30	4.00	-3.00	-2.00	1.00	62.0	4.99	109
31	-2.00	6.00	-2.00	1.00	63.0	5.95	109
32	15.00	-4.00	6.00	1.00	63.0	25.59	109
33	8.00	-1.00	-2.00	1.00	69.0	8.28	109
34	-1.00	3.00	2.00	1.00	62.0	4.32	108
35	1.00	-4.00	3.00	1.00	62.0	8.42	109
36	-2.00	0.00	5.00	1.00	61.0	3.30	108
37	3.00	-4.00	2.00	1.00	63.0	4.67	109
38	5.00	1.00	-1.00	1.00	63.0	6.27	110
39	10.00	-5.00	3.00	1.00	62.0	6.75	109
40	6.00	-1.00	-3.00	1.00	69.0	32.79	109
~~66~~							101
~~69~~							101

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USER: 4 ID:RAD SAFETY PRESET TIME: 1.00 FRI 20 FEB 1998 07:30
SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCR:N RS232:N
H#: 1 AQC:Y QCF:N RCM:Y
RCM-TIME: 0.10 INT:999.95
CHANNEL 1-LL: 0 UL: 400 2SIGMA:14.00 BKG SUB: 15.00 BKG 2SIG: 8.00 LSR: 0
CHANNEL 2-LL:400 UL: 670 2SIGMA: 7.00 BKG SUB: 14.00 BKG 2SIG: 4.00 LSR: 0
CHANNEL 3-LL:670 UL:1000 2SIGMA: 2.00 BKG SUB: 15.00 BKG 2SIG: 2.00 LSR: 0
DATA CALC: CPM, UNKNOWN REPLICATES: 1 NORM FACTOR:@ 1.00000
HALF LIFE(DAYS):N

SAM	CPM1	CPM2	CPM3	TIME	AVG H#	RCM%	ERR
1	1.00	4.00	0.00	1.00	79.0	3.41	
2	14.00	16.00	-1.00	1.00	88.0	1.32	110
3	12.00	-2.00	3.00	1.00	73.0	2.27	109
4	5.00	0.00	4.00	1.00	74.0	2.98	
5	5.00	4.00	2.00	1.00	75.0	2.40	
6	4.00	1.00	2.00	1.00	66.0	2.39	
7	6.00	9.00	13.00	1.00	65.0	1.55	
8	39.00	94.00	4.00	1.00	65.0	0.55	
9	69.00	152.00	0.00	1.00	70.0	0.38	
10	15.00	40.00	-4.00	1.00	67.0	2.02	110
11	11.00	23.00	-2.00	1.00	70.0	4.29	110
12	3.00	24.00	-2.00	1.00	71.0	1.55	110
13	31.00	28.00	1.00	1.00	70.0	0.98	
14	-4.00	-1.00	2.00	1.00	77.0	3.76	108
15	1.00	2.00	0.00	1.00	84.0	1.92	
16	0.00	3.00	3.00	1.00	84.0	2.16	
17	9.00	-2.00	2.00	1.00	81.0	3.33	109
18	5.00	-2.00	8.00	1.00	84.0	1.74	109
19	-8.00	-1.00	6.00	1.00	86.0	3.87	108
20	12.00	2.00	2.00	1.00	67.0	3.12	
21	42.00	59.00	7.00	1.00	62.0	0.53	
22	0.00	-5.00	-1.00	1.00	63.0	1.94	109
23	-2.00	3.00	2.00	1.00	63.0	1.83	108
24	2.00	2.00	-1.00	1.00	62.0	2.28	110
25	-4.00	0.00	9.00	1.00	63.0	2.31	108
26	-1.00	4.00	4.00	1.00	66.0	0.97	108
27	2.00	-1.00	5.00	1.00	69.0	1.51	109
28	11.00	20.00	5.00	1.00	66.0	1.35	
29	-5.00	2.00	-2.00	1.00	66.0	2.93	108
~~30~~	~~3.00~~	~~0.00~~	~~0.00~~	~~1.00~~	~~71.0~~	~~11.63~~	

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USER: 4 ID:RAD SAFETY PRESET TIME: 1.00 WED 25 FEB 1998 07:39
SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCR:N RS232:N
H#: 1 AQC:Y QCF:N RCM:Y
RCM-TIME: 0.10 INT:999.95
CHANNEL 1-LL: 0 UL: 400 2SIGMA:14.00 BKG SUB: 15.00 BKG 2SIG: 8.00 LSR: 0
CHANNEL 2-LL:400 UL: 670 2SIGMA: 7.00 BKG SUB: 14.00 BKG 2SIG: 4.00 LSR: 0
CHANNEL 3-LL:670 UL:1000 2SIGMA: 2.00 BKG SUB: 15.00 BKG 2SIG: 2.00 LSR: 0
DATA CALC: CPM, UNKNOWN REPLICATES: 1 NORM FACTOR:Q 1.00000
HALF LIFE(DAYS):N

SAM	CPM1	CPM2	CPM3	TIME	AVG H#	RCM%	ERR
1	8.00	8.00	-2.00	1.00	65.0	4.53	110
2	8.00	15.00	12.00	1.00	58.0	3.89	
3	2.00	6.00	7.00	1.00	58.0	3.76	
4	7.00	3.00	4.00	1.00	61.0	2.59	
5	11.00	0.00	6.00	1.00	70.0	3.35	
6	4.00	2.00	6.00	1.00	59.0	2.83	
7	6.00	8.00	-1.00	1.00	71.0	7.23	110
8	8.00	5.00	7.00	1.00	68.0	7.23	
9	10.00	13.00	0.00	1.00	71.0	5.85	
10	0.00	-1.00	-3.00	1.00	60.0	3.29	109
11	1.00	-1.00	-7.00	1.00	60.0	3.15	109
12	58.00	171.00	7.00	1.00	64.0	0.45	
13	-4.00	6.00	1.00	1.00	59.0	1.82	108
14	10.00	-2.00	2.00	1.00	63.0	1.59	109
15	1.00	7.00	-1.00	1.00	65.0	1.78	110
16	3.00	-2.00	0.00	1.00	60.0	4.28	109
17	5.00	-4.00	4.00	1.00	71.0	3.59	109
18	3.00	3.00	-1.00	1.00	74.0	2.37	110
19	-3.00	4.00	5.00	1.00	71.0	5.24	108
20	4.00	-3.00	2.00	1.00	68.0	3.48	109
21	-3.00	-5.00	-5.00	1.00	69.0	5.11	108
22	9.00	4.00	-3.00	1.00	69.0	1.92	110
23	33.00	62.00	-10.00	1.00	70.0	0.57	110
24	12.00	36.00	6.00	1.00	71.0	1.03	
25	3.00	23.00	5.00	1.00	76.0	1.14	
26	7.00	6.00	-1.00	1.00	80.0	1.37	110
27	4.00	1.00	-3.00	1.00	74.0	1.92	110
28	10.00	20.00	7.00	1.00	76.0	1.31	
29	4.00	22.00	-2.00	1.00	71.0	0.90	110
30	14.00	35.00	4.00	1.00	86.0	0.93	
31	78.00	95.00	1.00	1.00	88.0	0.34	
32	331.00	318.00	4.00	1.00	89.0	0.11	
33	320.00	360.00	10.00	1.00	91.0	0.10	
34	1002.00	1622.00	1.00	1.00	87.0	0.03	
35	16.00	9.00	-2.00	1.00	83.0	0.74	110
36	10.00	11.00	3.00	1.00	99.0	1.47	
37	0.00	2.00	8.00	1.00	102.0	0.74	
38	14.00	17.00	2.00	1.00	104.0	3.53	
39	-2.00	3.00	3.00	1.00	102.0	5.01	108
40	5.00	6.00	8.00	1.00	119.0	4.20	
41	9.00	-1.00	2.00	1.00	97.0	4.57	109
42	6.00	10.00	0.00	1.00	116.0	7.07	
48	8.00	-1.00	11.00	1.00	97.0	3.98	109

USER: 4 ID:RAD SAFETY PRESET TIME: 1.00 WED 25 FEB 1998 11:07
SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCR:N RS232:N
H#: 1 AQC:Y QCF:N RCM:Y
RCM-TIME: 0.10 INT:999.95
CHANNEL 1-LL: 0 UL: 400 2SIGMA:14.00 BKG SUB: 15.00 BKG 2SIG: 8.00 LSR: 0
CHANNEL 2-LL:400 UL: 670 2SIGMA: 7.00 BKG SUB: 14.00 BKG 2SIG: 4.00 LSR: 0
CHANNEL 3-LL:670 UL:1000 2SIGMA: 2.00 BKG SUB: 15.00 BKG 2SIG: 2.00 LSR: 0
DATA CALC: CPM, UNKNOWN REPLICATES: 1 NORM FACTOR:Q 1.00000
HALF LIFE(DAYS):N

SAM	CPM1	CPM2	CPM3	TIME	AVG H#	RCM%	ERR
1	24.00	-8.00	-3.00	1.00	77.0	78.58	109
2	6.00	-8.00	-7.00	1.00	68.0	49.60	109
3	14.00	24.00	9.00	1.00	69.0	5.24	
4	35.00	104.00	-2.00	1.00	65.0	1.65	110
5	17.00	23.00	2.00	1.00	67.0	3.07	
6	5.00	-5.00	-2.00	1.00	65.0	6.67	109
7	16.00	25.00	-6.00	1.00	69.0	5.74	110
8	3.00	4.00	1.00	1.00	69.0	6.42	
9	7.00	-1.00	1.00	1.00	67.0	4.26	109
10	16.00	38.00	-5.00	1.00	65.0	2.50	110