


Radiological Survey Sheet

Job Location PFIZER INC. GROTON CT Page 1 of 21
 Survey Purpose DECOMMISSIONING 118W/W217 Date 10/20/09
 Performed by DAN DUKAC (Print)  (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	²¹ 04/07/2010	04/03/2010
Check Instruments Used		✓	✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
1.	0950	BACKGROUND	
2.		UPPER DOOR	
3.		LOWER DOOR	
4.		WALL	
5.		WALL	
6.		WALL	
7.		UPPER WALL	
8.		UPPER WALL	
9.		UPPER WALL	
10.		UPPER WALL	
11.		UPPER WALL	
12.		UPPER WALL	
13.		LOWER WALL	
14.		COUNTER	
15.		COUNTER	
16.		COUNTER	
17.		COUNTER	
18.		CUP SINK	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
19		DRAIN Line	
20		FRONT OF DRAINAGE	
21		TOP DRAINAGE	
22		DRAINAGE	
23		DRAINAGE	
24		BOTTOM DRAINAGE	
25		FRONT OF DRAINAGE	
26		TOP DRAINAGE	
27		DRAINAGE	
28		DRAINAGE	
29		BOTTOM DRAINAGE	
30		Cubby	
31		FRONT OF DRAINAGE	
32		TOP LEFT DRAINAGE	
33		DRAINAGE	
34		TOP RIGHT DRAINAGE	
35		DRAINAGE	
36		DRAINAGE	
37		BOTTOM DRAINAGE	
38		Lower wall	
39		Upper wall	
40		STAIR	
41		Lower wall	
42		Floor	
43		Floor	
44		Floor	
45	↓	Floor	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
46		Floor	
47		Floor	
48		Floor	
49		Floor	
50		Floor	
51		Floor	
52		Floor	
53		Floor	
54		SIDE OF CABINET	
55		SIDE OF CABINET	
56		COUNTER top	
57		COUNTER	
58		FRONT OF CABINET	
59		DRAWER	
60		CABINET (in)	
61		FRONT OF DRAWERS	
62		TOP DRAWER	
63		DRAWER	
64		DRAWER	
65		BOTTOM DRAWER	
66		FRONT OF DRAWERS	
67		TOP LEFT DRAWER	
68		DRAWER	
69		DRAWER	
70		TOP RIGHT DRAWER	
71		DRAWER	
72	↓	DRAWER	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
73		BOTTOM DRAWER	
74		CUBBY	
75		DRAWER	
76		FRONT OF DRAWERS	
77		TOP DRAWER	
78		DRAWER	
79		LAB CABINET	
80		CUBBY	
81		FRONT OF DRAWERS	
82		TOP DRAWER	
83		DRAWER	
84		BOTTOM DRAWER	
85		BOTTOM SHELF	
86		SHELF	
87		SHELF	
88		TOP SHELF	
89		TOP SHELF	
90		SHELF	
91		SHELF	
92		BOTTOM SHELF	
93		FRONT OF WALL UNIT	
94		COUNTER	
95		COUNTER	
96		COUNTER	
97		COUNTER	
98		CUP SINK	
99	↓	SINK DRAIN	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
100		BOTTOM SHELF	
101		SHELF	
102		TOP SHELF	
103		TOP SHELF	
104		SHELF	
105		BOTTOM SHELF	
106		LEFT FRONT HOOD	
107		TOP	
108		RIGHT FRONT HOOD	
109		LIP	
110		OUTSIDE SASH	
111		INSIDE SASH	
112		LEFT COUNTER	
113		RIGHT COUNTER	
114		CUP SINK	
115		SINK DRAIN	
116		LEFT SIDE HOOD	
117		BACK BOTTOM	
118		BACK TOP	
119		RIGHT SIDE HOOD	
120		TOP	
121		FLOW PATH	
122		HOOD DUCT	
123		SIDE OF HOOD	
124		UPPER WALL	
125		FAUCET	
126		COUNTER	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
127		Sink	
128		DRAIN LINE	
129		FRONT OF CABINET	
130		INSIDE CABINET	
131		FRONT OF CABINET	
132		INSIDE CABINET	
133		FRONT OF CABINET	
134		INSIDE CABINET	
135		SIDE OF CABINET	
136		UPPER WALL	
137		LOWER WALL	
138		FLOOR	
139		UPPER WALL	
140		LOWER WALL	
141		FLOOR	
142		FLOOR	
143		UPPER WALL	
144		LOWER WALL	
145		UPPER DOOR	
146		LOWER DOOR	
147		UPPER WALL	
148		LOWER WALL	
149		FLOOR	
150		FLOOR	
151		FLOOR	
152		FLOOR	
153	↓	FLOOR	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
154		Floor	
155		Floor	
156		Floor	
157		Floor	
158		Floor	
159		Floor	
160		Floor	
161		Floor	
162		Cubby	
163		Lower wall	
164		counter	
165		counter	
166		counter	
167		counter	
168		front of cabinet	
169		top drawer	
170		drawer	
171		inside cabinet	
172		drawer	
173		Cubby	
174		front of cabinet	
175		top shelf	
176		bottom shelf	
177		front of cabinet	
178		left drawer	
179		right drawer	
180	↓	top shelf	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
181		BOTTOM SHELF	
182		SHELF	
183		UPPER WALL	
184		UPPER WALL	
185		UPPER WALL	
186		BOTTOM SHELF	
187		SHELF	
188		SHELF	
189		TOP SHELF	
190		TOP SHELF	
191		SHELF	
192		BOTTOM SHELF	
193		COUNTER	
194		COUNTER	
195		COUNTER	
196		COUNTER	
197		COUNTER	
198		CUBBY	
199		FRONT OF DRAWERS	
200		TOP DRAWER	
201		DRAWER	
202		DRAWER	
203		BOTTOM DRAWER	
204		FRONT OF DRAWERS	
205		TOP DRAWER	
206		DRAWER	
207		DRAWER	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
208		Bottom Drawer	
209		Cubby	
210		Drawer	
211		FRONT OF DRAWERS	
212		TOP DRAWER	
213		Drawer	
214		Bottom Drawer	
215		SIDE OF CABINET	
216		OUTSIDE CABINET	
217		INSIDE CABINET	
218		BOTTOM SHELF	
219		BOTTOM SHELF	
220		SHELF	
221		TOP SHELF	
222		TOP SHELF	
223		SHELF	
224		COUNTER	
225		COUNTER	
226		COUNTER	
227		COUNTER	
228		COUNTER	
229		UPPER WALL	
230		UPPER WALL	
231		LOWER WALL	
232		UPPER DOOR	
233		LOWER DOOR	
234	↓	UPPER WALL	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
235		Lower wall	
236		Bottom shelf	
237		shelf	
238		Upper shelf	
239		Cubby	
240		front of drawers	
241		TOP DRAWER	
242		DRAWER	
243		DRAWER	
244		Bottom drawer	
245		Front of drawers	
246		TOP DRAWER	
247		DRAWER	
248		DRAWER	
249		Bottom drawer	
250		Cubby	
251		DRAWER	
252		Front of drawers	
253		TOP DRAWER	
254		DRAWER	
255		Bottom drawer	
256		SIDE OF CABINET	
257		Upper wall	
258		Lower wall	
259		Upper wall	
260		Lower wall	
261	↓	Upper wall	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
262		Lower wall	
263		Upper wall	
264		Lower wall	
265		Floor	
266		Floor	
267		Floor	
268		Floor	
269		Floor	
270		Floor	
271		Floor	
272		Floor	
273		Upper wall	
274		Lower wall	
275		Upper wall	
276		Lower wall	
277		Upper wall	
278		Lower wall	
279		Upper wall	
280		Lower wall	
281		DESK TOP	
282		SHELVES	
283		FRONT OF DRAWERS	
284		INSIDE DRAWERS	
285		DESK TOP	
286		POT SHELVES	
287		Upper wall	
288	V	Lower wall	

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No.	Time	Locations See attached LSC printout for Total Activity (cpm/100 cm ²)
289		OUTSIDE DRAWERS
290		INSIDE DRAWERS
291		UPPER WALL
292		LOWER WALL
293		FLOOR
294		UPPER WALL
295		LOWER WALL
296		FLOOR
297		FLOOR
298		CABINET TOP
299		DRAWERS
300		CABINET
301		SIDES CABINET
302		FRONT CABINET
303		CABINET SHELVES BOTTOM
304		CABINET SHELVES
305		SHELVES TOP
306		FLOOR
307		FLOOR
308		FLOOR
309		DESK TOP
310		SHELVES
311		DRAWERS
312		UPPER WALL
313		LOWER WALL
314		UPPER WALL
315		LOWER WALL

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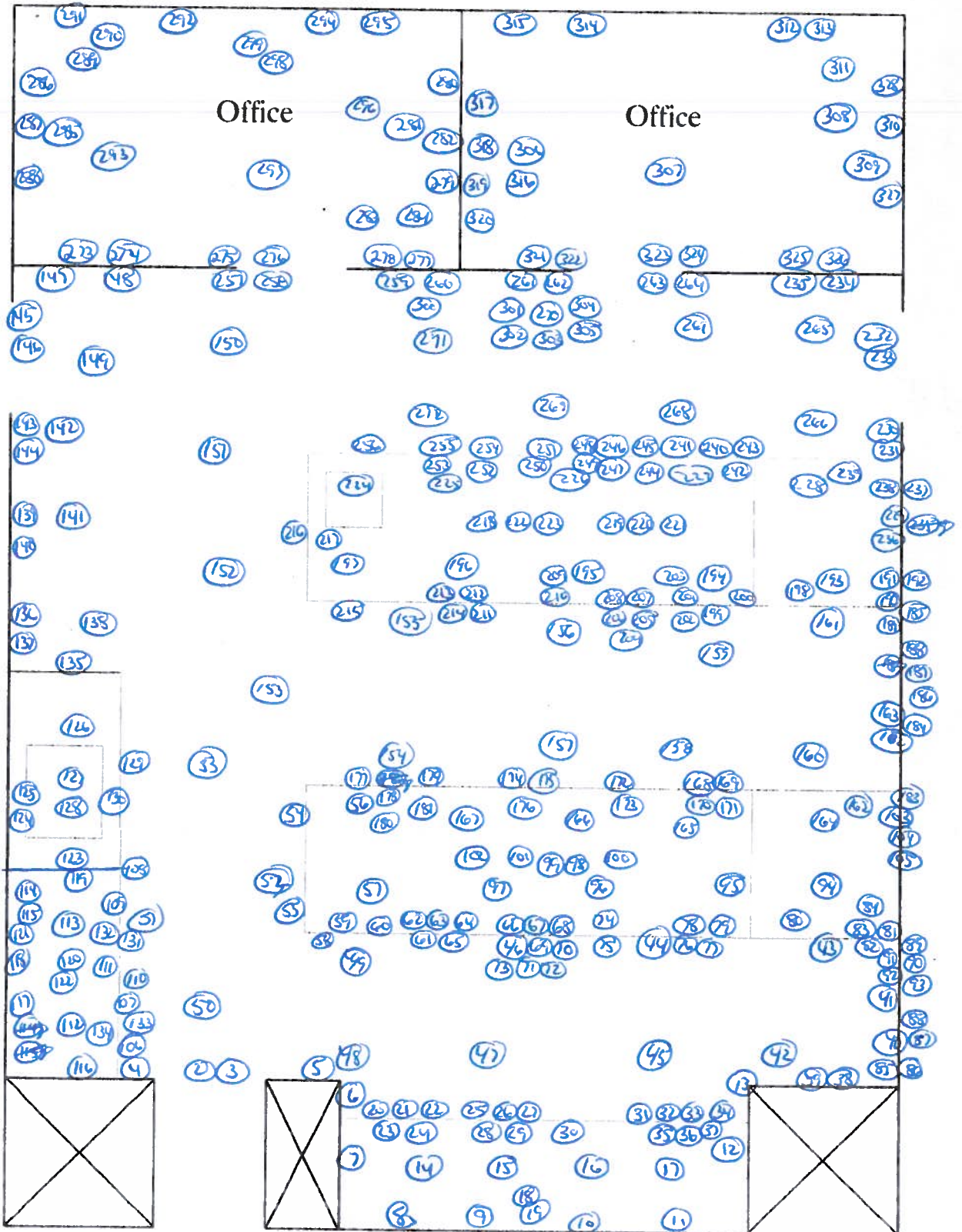
Date 10/20/09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
316		DESK TOP	
317		STAIRS	
318		UPPER WALL	
319		LOWER WALL	
320		DESKS	
321		UPPER WALL	
322		LOWER WALL	
323		UPPER WALL	
324		LOWER WALL	
325		UPPER WALL	
326		LOWER WALL	
327		UPPER WALL	
328	↓	LOWER WALL	
329			
330			
331			
332			
333			
334			
335			
336			
337			
338			
339			
340			
341			
342			

Bld. 118W Room W217

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- Surveys 100% of lower surfaces using 43-68. no readings in excess of normal background were noted.

○ = wipe location

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Assay Definition-

Assay Description:

Background check for PM Lab (Mikey)

Assay Type: CPM

Report Name: Report1

Output Data Path: C:\Packard\Tricarb\Results\bill\bills swipes

Raw Results Path: C:\Packard\Tricarb\Results\bill\bills swipes\20091020_1400\20091020_1400.results

RTF File Name: C:\Packard\Tricarb\Results\bill\bills swipes\Report1.rtf

Assay File Name: C:\Packard\TriCarb\Assays\bills 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: 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	17	8	33	
2	14	6	26	
3	10	4	21	
4	12	9	27	
5	16	3	23	
6	12	2	18	
7	9	4	18	
8	26	5	32	
9	11	14	32	
10	12	10	25	
11	12	5	21	

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12	13	4	22
13	12	9	26
14	11	6	21
15	14	9	28
16	3	8	16
17	13	5	23
18	21	3	29
19	20	9	36
20	19	5	26
21	13	5	23
22	14	9	31
23	12	3	23
24	7	6	18
25	11	5	18
26	7	6	17
27	11	7	23
28	14	12	35
29	24	9	40
30	11	6	21
31	12	5	21
32	7	6	16
33	11	10	29
34	16	5	26
35	8	4	18
36	13	7	24
37	17	4	28
38	9	10	26
39	7	5	20
40	19	10	34
41	6	6	19
42	11	7	22
43	20	9	32
44	8	7	22
45	3	10	23
46	12	11	28
47	14	11	34
48	8	8	22
49	10	4	17
50	17	9	33
51	13	4	20
52	10	10	22
53	7	5	16
54	11	5	18
55	4	6	16
56	6	4	15
57	8	4	18
58	0	8	11
59	5	6	15
60	10	8	24
61	12	10	24
62	5	6	17
63	6	8	21
64	15	3	22
65	16	7	30
66	0	9	0
67	10	7	23
68	3	8	16
69	22	7	30
70	3	5	17
71	12	5	19
72	8	4	17
73	19	9	35
74	12	4	18

Protocol# 1 - bills swipes.lsa

User: bill

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75	24	7	33
76	11	8	27
77	15	9	27
78	10	9	23
79	9	4	16
80	12	7	22
81	21	4	28
82	5	7	16
83	2	7	13
84	15	4	24
85	19	10	36
86	13	5	23
87	6	8	22
88	16	8	27
89	12	11	32
90	10	10	27
91	12	5	20
92	5	5	20
93	15	6	29
94	12	12	28
95	20	7	31
96	21	4	29
97	6	7	18
98	9	7	27
99	32	10	50
100	14	5	26
101	11	7	29
102	6	5	17
103	17	15	38
104	11	7	24
105	14	5	22
106	21	3	32
107	22	4	32
108	4	4	10
109	10	3	20
110	18	7	30
111	12	7	24
112	13	11	29
113	6	11	21
114	6	6	18
115	10	5	25
116	11	7	20
117	9	7	25
118	16	6	24
119	6	13	26
120	12	9	31
121	9	8	22
122	5	7	17
123	14	6	21
124	8	3	20
125	7	5	25
126	14	4	26
127	14	3	26
128	18	8	33
129	18	5	30
130	28	6	37
131	8	5	21
132	14	5	30
133	16	5	23
134	9	4	23
135	19	8	32
136	8	7	17
137	17	7	29

02

138	6	9	18
139	6	7	15
140	14	2	19
141	16	8	30
142	19	2	24
143	10	6	22
144	9	7	22
145	10	5	21
146	12	4	22
147	9	8	24
148	10	8	25
149	17	9	33
150	0	7	10
151	4	3	11
152	13	8	24
153	12	9	26
154	10	7	24
155	10	3	19
156	9	6	21
157	8	7	19
158	8	8	20
159	15	4	23
160	5	9	17
161	5	6	21
162	22	9	38
163	17	3	22
164	9	7	26
165	15	2	22
166	7	5	16
167	9	6	19
168	22	9	38
169	25	8	39
170	15	4	24
171	14	6	24
172	17	6	28
173	10	6	24
174	10	7	18
175	7	6	21
176	12	4	19
177	3	2	10
178	8	10	23
179	8	12	25
180	7	7	18
181	14	7	24
182	10	3	20
183	12	9	28
184	8	6	18
185	11	5	19
186	13	1	19
187	16	6	27
188	8	7	20
189	7	7	16
190	1	7	14
191	7	4	15
192	20	6	33
193	5	5	16
194	21	6	35
195	0	4	7
196	9	5	20
197	7	9	20
198	13	3	23
199	17	3	25
200	17	6	27

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201	4	2	11
202	21	4	28
203	9	6	21
204	8	6	25
205	20	6	30
206	12	3	22
207	6	4	16
208	4	11	21
209	15	9	28
210	8	4	19
211	9	5	16
212	7	9	21
213	4	7	16
214	6	7	17
215	9	7	21
216	16	9	31
217	20	10	35
218	8	5	17
219	17	8	29
220	11	5	23
221	12	3	20
222	5	10	18
223	5	5	18
224	18	7	31
225	13	9	31
226	8	4	16
227	7	5	14
228	4	7	19
229	3	3	16
230	18	5	30
231	11	5	18
232	13	11	25
233	21	8	36
234	11	7	23
235	16	5	24
236	20	6	31
237	8	8	27
238	13	7	24
239	4	7	15
240	22	5	37
241	14	6	24
242	17	7	29
243	12	4	23
244	3	5	14
245	10	10	29
246	9	8	21
247	12	7	24
248	11	6	20
249	16	4	24
250	21	5	31
251	15	9	29
252	12	7	24
253	21	8	33
254	9	6	17
255	15	7	25
256	16	5	26
257	17	5	26
258	10	12	26
259	14	12	29
260	11	6	25
261	14	3	23
262	10	12	29
263	12	6	20

Protocol# 1 - bills swipes.lsa

User: bill

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264	13	8	28
265	10	6	19
266	11	6	21
267	6	7	16
268	22	9	37
269	20	8	35
270	8	10	23
271	9	15	27
272	13	8	28
273	6	5	17
274	5	5	12
275	8	6	19
276	20	6	30
277	15	5	25
278	1	2	8
279	22	6	35
280	24	8	38
281	14	5	25
282	10	5	21
283	10	8	31
284	7	8	18
285	19	5	33
286	16	5	23
287	14	10	32
288	9	10	20
289	16	5	25
290	15	2	23
291	14	6	25
292	21	5	30
293	12	6	24
294	7	3	16
295	19	15	37
296	14	7	27
297	5	5	16
298	15	9	31
299	7	4	13
300	12	8	25
301	14	6	27
302	8	8	18
303	17	4	24
304	14	11	27
305	10	6	23
306	13	10	26
307	16	4	22
308	10	5	18
309	12	9	32
310	3	8	17
311	15	9	30
312	18	8	30
313	16	10	31
314	3	14	28
315	15	5	26
316	25	11	43
317	14	11	32
318	16	3	25
319	24	5	33
320	13	4	20
321	14	7	25
322	5	7	16
323	17	5	29
324	15	4	28
325	9	6	23
326	10	1	16

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327	18	4	28	
328	15	9	31	
329	7	7	16	<i>slid</i>
330	11	8	24	<i>slid</i>