

Radiological Survey Sheet

Job Location Pfizer Inc GROTON CT Page 1 of 22
 Survey Purpose Decommissioning LAB W210 Date 10/19/09
 Performed by DAVID DURKEE [Signature]
 (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	04/07/2010	04/03/2010
Check Instruments Used	✓		✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
1.	0902	BACKGROUND	
2.	↓	BOTTOM SHELF	
3.		SHelf	
4.		TOP SHELF	
5.		TOP SHELF	
6.		SHelf	
7.		BOTTOM SHELF	
8.		COUNTER	
9.		CUP SINK	
10.		COUNTER	
11.		CUP SINK	
12.		DRAIN LINE	
13.		DRAIN LINE	
14.		DESK	
15.		BOTTOM SHELF	
16.		SHelf	
17.		SHelf	
18.		TOP SHELF	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
19		SIDE SHELVES	
20		SHelf	
21		Lower wall	
22		Lower wall	
23		Upper wall	
24		Upper wall	
25		Upper wall	
26		FRONT OF WALL UNIT	
27		BOTTOM SHELF	
28		SHelf	
29		SHelf	
30		TOP SHELF	
31		TOP SHELF	
32		SHelf	
33		SHelf	
34		BOTTOM SHELF	
35		FRONT OF DRAWERS	
36		MIDDLE DRAWER	
37		TOP RIGHT DRAWER	
38		DRAWER	
39		BOTTOM DRAWER	
40		FRONT OF WALL UNIT	
41		FRONT OF DRAWER	
42		TOP DRAWER	
43		DRAWER	
44		INSIDE CABINET	
45		DRAWER	

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

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
73		FRONT OF WALL UNIT	
74		TOP SHELF	
75		SHELF	
76		SHELF	
77		BOTTOM SHELF	
78		TABLE TOP	
79		TABLE TOP	
80		LEFT DRAWER	
81		RIGHT DRAWER	
82		FRONT OF WALL UNIT	
83		TOP SHELF	
84		SHELF	
85		SHELF	
86		BOTTOM SHELF	
87		UPPER WALL	
88		LOWER WALL	
89		WALL	
90		UPPER DOOR	
91		LOWER DOOR	
92		WALL	
93		UPPER WALL	
94		LOWER WALL	
95		UPPER WALL	
96		LOWER WALL	
97		LEFT FRONT HOOD	
98		FRONT TOP	
99	↓	RIGHT FRONT HOOD	

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

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
127		UPPER WALL	
128		BOTTOM SHELF	
129		TOP SHELF	
130		FRONT OF WALL UNIT	
131		TOP SHELF	
132		SHELF	
133		BOTTOM SHELF	
134		COUNTER	
135		COUNTER	
136		SIDE OF CABINET	
137		SIDE OF CABINET	
138		SIDE OF CABINET	
139		FRONT OF DRAWER	
140		TOP DRAWER	
141		DRAWER	
142		DRAWER	
143		BOTTOM DRAWER	
144		UPPER WALL	
145		LOWER WALL	
146		UPPER WALL	
147		LOWER WALL	
148		FRONT OF DRAWERS	
149		TOP RIGHT DRAWER	
150		DRAWER	
151		TOP LEFT DRAWER	
152		DRAWER	
153		DRAWER	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
154		Drawer	
155		Bottom Drawer	
156		FRONT OF DRAWERS	
157		TOP RIGHT DRAWER	
158		Drawer	
159		TOP LEFT DRAWER	
160		Drawer	
160 161		Drawer	
162		BOT. DRAWER	
163		COBBY	
164		COBBY	
165		Drawer	
166		FRONT OF DRAWERS	
167		TOP DRAWER	
168		Drawer	
169		INSIDE CABINET	
170		Drawer	
171		FRONT OF DRAWERS	
172		TOP DRAWER	
173		Drawer	
174		BOTTOM DRAWER	
175		LOWER WALL	
176		LOWER SHELF	
177		SHELF	
178		UPPER WALL	
179		UPPER WALL	
180	↓	DECK TOP	

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

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
208		Floor	
209		Floor	
210		Floor	
211		Floor	
212		Desk top	
213		Side counter/shelf	
214		Bottom shelf	
215		Shelf	
216		Shelf	
217		TOP SHELF	
218		TOP SHELF	
219		SHELF	
220		BOTTOM SHELF	
221		BOTTOM SHELF	
222		SHELF	
223		TOP SHELF	
224		COUNTER	
225		CUP SINK	
226		DRAIN LINE	
227		COUNTER	
228		CUP SINK	
229		DRAIN LINE	
230		COUNTER	
231		FANUCET	
232		SINK	
233		DRAIN LINE	
234	↓	SIDE OF CABINET	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
235		FRONT OF DRAWERS	
236		TOP LEFT DRAWER	
237		DRAWER	
238		TOP RIGHT DRAWER	
239		DRAWER	
240		DRAWER	
241		BOTTOM DRAWER	
242		CUBBY	
243		DRAWER	
244		FRONT OF DRAWERS	
245		INSIDE TOP DRAWER	
246		DRAWER	
247		CABINET	
248		DRAWER	
249		FRONT OF DRAWERS	
250		TOP DRAWER	
251		DRAWER	
252		BOTTOM DRAWER	
253		FRONT OF CABINET	
254		INSIDE CABINET	
255		FLOOR	
256		FLOOR	
257		FLOOR	
258		FLOOR	
259		FLOOR	
260		FLOOR	
261		FLOOR	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
262		Floor	
263		Floor	
264		Floor	
265		Lower wall	
266		Shelf	
267		Front of wall unit	
268		Bottom shelf	
269		Shelf	
270		Shelf	
271		Top shelf	
272		Top shelf	
273		Shelf	
274		Shelf	
275		Desk top	
276		Counter	
277		Counter	
278		Front of drawers	
279		Top drawer	
280		Drawer	
281		Bottom drawer	
282		Drawer	
283		Cubby	
284		Front of drawers	
285		Top drawer	
286		Drawer	
287		Cabinet	
288	↓	Drawer	

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

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
316		lower wall	
317		upper wall	
318		lower wall	
319		upper wall	
320		lower wall	
321		upper wall	
322		lower wall	
323		counter	
324		out drains	
325		inside drains	
326		upper wall	
327		lower wall	
328		upper wall	
329		lower wall	
330		upper wall	
331		lower wall	
332		SHOWERS	
333		FLOOR	
334		FLOOR	
335		FLOOR	
336		FLOOR	
337		DESKTOP	
338		SHOWERS	
339		FRONT OF DRAINS	
340		INSIDE DRAINS	
341		UPPER WALL	
342	↓	lower wall	

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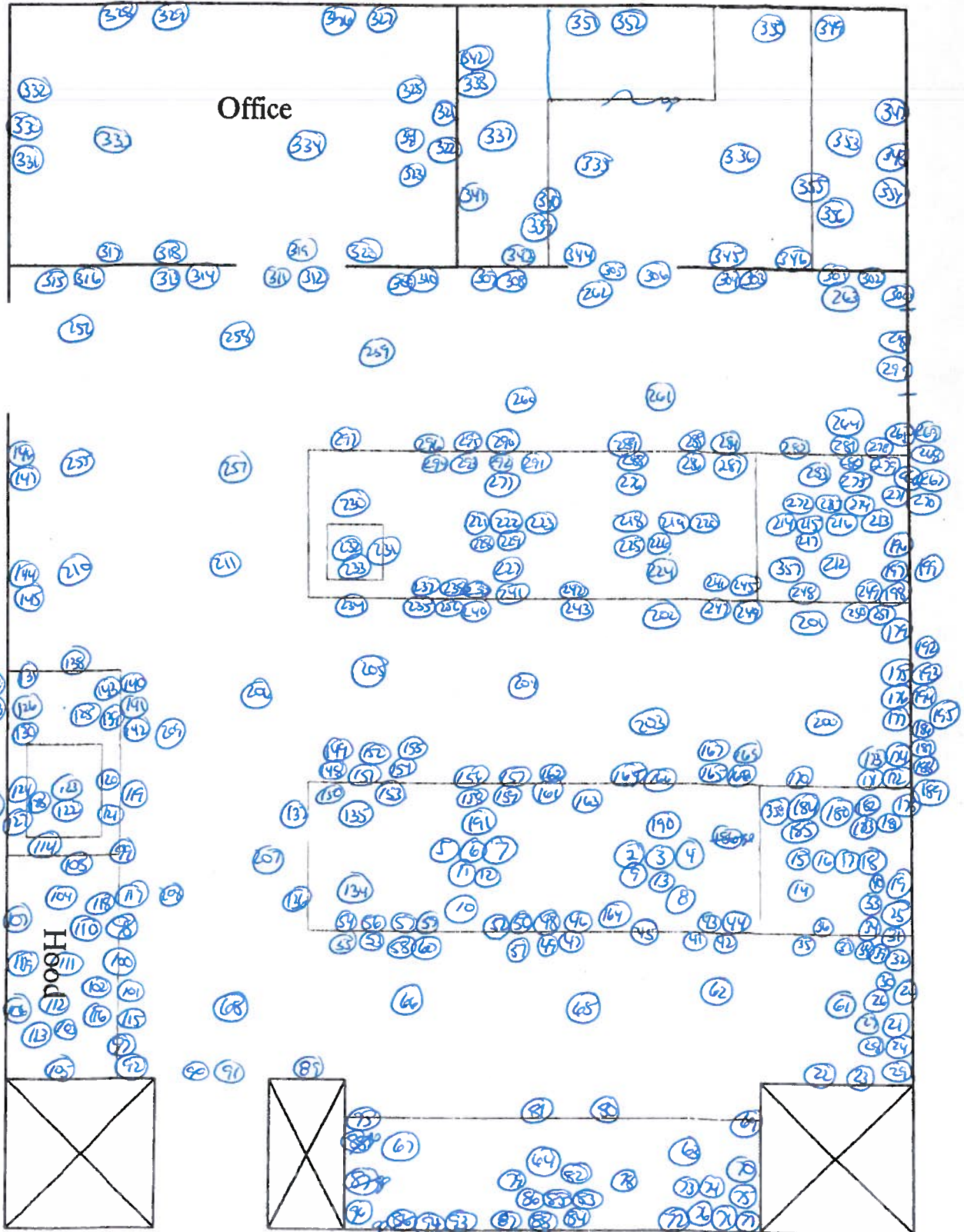
No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
343	↓	upper wall	
344		lower wall	
345		upper wall	
346		lower wall	
347		upper wall	
348		lower wall	
349		upper wall	
350		lower wall	
351		upper wall	
352		lower wall	
353		DESK TOP	
354		SITING	
355		OUTSIDE DECK	
356		INSIDE DECK	
357		COBBY	
358		COBBY	
359			
360			
361			
362			
363			
364			
365			
366			
367			
368			
369			

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Bld. 118W Room W210

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O=wipe
LOCATION

Surveyed 100% of lower surfaces using 43.6°. All surfaces surveyed were found to be at normal background levels.

Assay Definition-

Assay Description:
Equipment Swipes

Assay Type: CPM
Report Name: Report1
Output Data Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\20091019_1140
Raw Results Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\20091019_1140
\20091019_1140.results
RTF File Name: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\20091019_1140\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	9	8	21	
2	17	3	24	
3	6	10	23	
4	17	9	35	
5	5	11	26	
6	7	7	18	
7	0	8	5	
8	10	2	20	
9	19	6	31	
10	3	6	17	

17-10

11	0	11	11
12	0	14	5
13	10	5	20
14	9	12	26
15	10	7	20
16	8	8	22
17	9	5	20
18	0	7	10
19	15	8	31
20	14	8	31
21	0	4	11
22	7	4	15
23	0	1	3
24	18	14	36
25	17	8	30
26	1	7	11
27	8	9	20
28	0	6	13
29	8	6	25
30	8	8	20
31	20	12	36
32	10	6	23
33	8	8	25
34	21	5	30
35	17	7	26
36	8	7	18
37	6	9	19
38	5	5	14
39	8	12	25
40	30	13	49
41	5	3	15
42	6	4	14
43	7	10	21
44	19	7	30
45	16	8	28
46	0	6	12
47	14	3	21
48	0	3	6
49	11	5	20
50	9	8	23
51	17	4	27
52	15	11	35
53	0	8	11
54	10	7	18
55	16	3	26
56	5	5	13
57	17	2	26
58	9	7	19
59	16	9	29
60	6	7	19
61	10	15	30
62	19	10	33
63	7	9	21
64	0	7	13
65	10	10	21
66	10	9	27
67	1	10	18
68	9	7	20
69	10	2	17
70	23	5	32
71	0	9	14
72	1	3	12
73	15	5	30

74	11	4	22
75	3	7	17
76	11	5	20
77	0	3	8
78	15	12	31
79	0	7	13
80	0	10	16
81	6	3	15
82	0	10	12
83	11	6	22
84	15	6	26
85	11	5	28
86	2	6	15
87	7	8	21
88	3	4	8
89	2	9	14
90	13	12	33
91	0	7	10
92	3	8	20
93	16	5	26
94	14	4	24
95	7	10	22
96	7	6	16
97	15	9	33
98	14	8	23
99	11	12	28
100	0	8	10
101	13	12	30
102	1	7	11
103	8	11	28
104	8	6	19
105	20	12	40
106	8	8	21
107	5	7	16
108	10	4	18
109	14	5	27
110	17	10	35
111	2	16	30
112	7	6	19
113	11	5	23
114	15	12	33
115	12	7	26
116	0	6	7
117	10	4	17
118	0	5	13
119	8	10	22
120	5	5	13
121	19	6	30
122	14	5	22
123	16	10	35
124	4	5	12
125	9	4	23
126	10	7	20
127	6	5	21
128	6	9	18
129	9	7	23
130	16	8	29
131	5	9	19
132	2	4	11
133	3	9	18
134	5	2	15
135	12	7	24
136	10	3	18

137	12	8	21
138	17	7	33
139	3	4	11
140	26	4	32
141	14	10	28
142	17	9	30
143	10	5	18
144	11	4	24
145	3	6	17
146	7	6	18
147	21	6	34
148	11	13	32
149	15	11	33
150	8	13	26
151	0	7	17
152	16	11	29
153	8	9	20
154	13	10	31
155	19	11	34
156	0	7	10
157	8	9	21
158	7	6	18
159	8	6	21
160	16	11	32
161	16	2	25
162	31	4	40
163	16	7	32
164	35	6	45
165	10	5	24
166	22	7	34
167	16	5	29
168	14	4	20
169	16	10	37
170	11	4	20
171	6	7	18
172	12	4	26
173	8	3	15
174	15	8	32
175	12	9	25
176	7	7	24
177	7	14	24
178	13	7	24
179	10	8	27
180	16	6	28
181	14	6	28
182	14	8	24
183	14	5	28
184	8	9	26
185	5	6	11
186	3	7	14
187	11	7	21
188	1	6	17
189	9	8	22
190	10	10	26
191	6	12	25
192	14	7	28
193	12	4	26
194	6	8	22
195	22	6	31
196	10	6	25
197	16	2	24
198	14	11	30
199	5	5	14

200	12	9	24
201	3	8	20
202	11	7	23
203	16	5	26
204	2	9	16
205	0	4	8
206	20	5	31
207	26	5	36
208	21	9	36
209	0	7	0
210	14	5	21
211	4	8	18
212	0	7	11
213	17	4	25
214	10	7	18
215	15	8	26
216	4	8	14
217	4	9	23
218	10	5	18
219	14	6	25
220	12	5	25
221	11	4	17
222	18	10	32
223	15	12	31
224	0	8	14
225	8	4	16
226	7	7	20
227	5	8	15
228	9	15	29
229	23	2	28
230	19	5	27
231	13	7	25
232	23	6	34
233	9	2	21
234	2	5	13
235	6	13	21
236	8	3	15
237	14	3	21
238	13	5	22
239	0	5	9
240	7	6	20
241	12	7	25
242	10	7	24
243	22	8	35
244	10	9	24
245	3	5	15
246	16	8	27
247	12	7	28
248	19	8	33
249	6	6	17
250	7	11	21
251	6	10	23
252	10	15	34
253	10	10	31
254	20	4	28
255	13	10	30
256	15	3	21
257	9	7	19
258	9	8	25
259	8	3	19
260	14	4	20
261	1	7	12
262	14	4	19

263	17	7	28
264	14	3	22
265	8	11	26
266	19	8	36
267	3	8	19
268	12	3	21
269	15	11	27
270	10	4	20
271	14	12	29
272	8	10	25
273	0	8	12
274	3	7	16
275	8	9	27
276	20	8	37
277	7	7	17
278	7	8	22
279	10	10	26
280	16	10	33
281	7	0	14
282	11	16	36
283	21	7	32
284	15	3	24
285	3	8	16
286	8	5	20
287	8	6	19
288	7	6	19
289	9	7	21
290	25	6	45
291	15	11	37
292	6	6	18
293	24	8	34
294	11	10	24
295	3	7	14
296	2	3	13
297	14	5	21
298	2	9	12
299	9	10	25
300	0	12	9
301	6	9	26
302	12	7	24
303	6	4	18
304	8	7	24
305	8	6	20
306	9	4	14
307	10	7	21
308	11	12	30
309	18	2	26
310	3	9	18
311	10	9	23
312	9	4	21
313	5	3	12
314	4	6	22
315	13	7	24
316	12	5	21
317	17	6	29
318	0	6	12
319	14	8	25
320	0	5	7
321	6	9	17
322	8	15	26
323	9	5	20
324	17	5	25
325	23	7	32

326	0	8	12
327	2	5	13
328	22	5	30
329	6	11	24
330	11	6	22
331	20	5	28
332	7	6	18
333	11	6	21
334	5	7	14
335	7	8	21
336	7	9	19
337	9	2	18
338	8	12	26
339	7	9	24
340	9	10	24
341	15	6	28
342	13	8	25
343	11	5	22
344	10	8	25
345	22	8	35
346	8	10	24
347	13	11	30
348	7	8	24
349	24	6	36
350	1	3	10
351	13	4	23
352	14	9	28
353	14	3	25
354	20	4	30
355	14	9	27
356	13	10	28
357	19	4	30
358	19	5	29
359	19	10	39
360	43	8	58

Return # 40

Return # 164