

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF103018\  
 Data File : FF002508.D  
 Signal(s) : FID2B.ch  
 Acq On : 30 Oct 2018 16:49  
 Sample : J5724-03  
 Misc :  
 ALS Vial : 59 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF101218.M  
 Title :

Signal : FID2B.ch

peak #	R. T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.267	2.252	2.273	BH	627	3865	0.09%	0.002%
2	2.285	2.273	2.308	HH	1055	11414	0.26%	0.005%
3	2.316	2.308	2.378	HH	387	3463	0.08%	0.001%
4	2.382	2.378	2.402	PH	-60	-1610	-0.04%	-0.001%
5	2.408	2.402	2.413	PH	-86	-545	-0.01%	-0.000%
6	2.421	2.413	2.427	PH	-8	-491	-0.01%	-0.000%
7	2.448	2.427	2.487	PH	980	8981	0.20%	0.004%
8	2.490	2.487	2.504	PH	16	-462	-0.01%	-0.000%
9	2.514	2.504	2.542	PH	218	87	0.00%	0.000%
10	2.556	2.542	2.599	PH	215	-2770	-0.06%	-0.001%
11	2.606	2.599	2.611	PH	-90	-1246	-0.03%	-0.001%
12	2.614	2.611	2.625	PH	-149	-1498	-0.03%	-0.001%
13	2.631	2.625	2.664	PH	6	-3460	-0.08%	-0.001%
14	2.690	2.664	2.717	PH	33	-4269	-0.10%	-0.002%
15	2.740	2.717	2.781	PH	4194	26381	0.59%	0.011%
16	2.787	2.781	2.796	PH	-192	-2342	-0.05%	-0.001%
17	2.829	2.796	2.924	PH	11440	155241	3.50%	0.064%
18	2.955	2.924	2.974	HH	1398	21148	0.48%	0.009%
19	2.987	2.974	3.000	HH	1771	15607	0.35%	0.006%
20	3.009	3.000	3.036	HH	942	10870	0.24%	0.004%
21	3.056	3.036	3.077	HH	5999	48766	1.10%	0.020%
22	3.089	3.077	3.109	PH	295	2023	0.05%	0.001%
23	3.131	3.109	3.146	PH	153	1731	0.04%	0.001%
24	3.150	3.146	3.167	HH	185	722	0.02%	0.000%
25	3.177	3.167	3.239	PH	9673	84944	1.91%	0.035%
26	3.250	3.239	3.266	PH	231	791	0.02%	0.000%
27	3.306	3.266	3.361	PH	3851	25385	0.57%	0.010%
28	3.364	3.361	3.382	PH	-139	-2277	-0.05%	-0.001%
29	3.405	3.382	3.442	PH	1753	17167	0.39%	0.007%
30	3.450	3.442	3.454	PH	-139	-1251	-0.03%	-0.001%
31	3.456	3.454	3.480	PH	-97	-2965	-0.07%	-0.001%
32	3.498	3.480	3.531	PH	13	-4306	-0.10%	-0.002%
33	3.534	3.531	3.539	PH	-207	-976	-0.02%	-0.000%
34	3.543	3.539	3.551	PH	-133	-1591	-0.04%	-0.001%
35	3.594	3.551	3.639	PH	1345	14936	0.34%	0.006%
36	3.655	3.639	3.666	PH	226	1535	0.03%	0.001%

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37	3.680	3.666	3.699	HH	590	5522	0.12%	0.002%
38	3.717	3.699	3.742	HH	5995	49722	1.12%	0.020%
39	3.752	3.742	3.769	PH	121	-40	-0.00%	-0.000%
40	3.801	3.769	3.813	PH	17437	148059	3.33%	0.061%
41	3.821	3.813	3.840	HH	7350	58235	1.31%	0.024%
42	3.851	3.840	3.866	PH	55	-1557	-0.04%	-0.001%
43	3.885	3.866	3.922	PH	11936	104231	2.35%	0.043%
44	3.926	3.922	3.939	PH	-40	-1541	-0.03%	-0.001%
45	3.959	3.939	3.994	PH	109158	920400	20.72%	0.377%
46	4.010	3.994	4.041	HH	5305	67426	1.52%	0.028%
47	4.054	4.041	4.063	HH	1117	10713	0.24%	0.004%
48	4.073	4.063	4.097	HH	1412	14084	0.32%	0.006%
49	4.140	4.097	4.194	HH	43290	396334	8.92%	0.162%
50	4.203	4.194	4.214	HH	467	4301	0.10%	0.002%
51	4.234	4.214	4.256	HH	1939	18894	0.43%	0.008%
52	4.302	4.256	4.317	PH	2049	23970	0.54%	0.010%
53	4.333	4.317	4.342	HH	1493	16071	0.36%	0.007%
54	4.354	4.342	4.368	HH	22826	194835	4.39%	0.080%
55	4.377	4.368	4.399	HH	14148	137350	3.09%	0.056%
56	4.419	4.399	4.436	HH	13502	122366	2.75%	0.050%
57	4.450	4.436	4.463	HH	2777	27999	0.63%	0.011%
58	4.481	4.463	4.505	HH	10209	99630	2.24%	0.041%
59	4.524	4.505	4.563	HH	5268	58533	1.32%	0.024%
60	4.588	4.563	4.609	HH	1476	27479	0.62%	0.011%
61	4.623	4.609	4.649	HH	2251	34779	0.78%	0.014%
62	4.660	4.649	4.677	HH	888	8849	0.20%	0.004%
63	4.708	4.677	4.719	HH	2898	30923	0.70%	0.013%
64	4.730	4.719	4.741	HH	3283	29831	0.67%	0.012%
65	4.757	4.741	4.775	HH	8701	82360	1.85%	0.034%
66	4.797	4.775	4.817	HH	7731	94472	2.13%	0.039%
67	4.831	4.817	4.869	HH	4696	59549	1.34%	0.024%
68	4.880	4.869	4.885	HH	263	1858	0.04%	0.001%
69	4.914	4.885	4.956	HH	20134	215843	4.86%	0.088%
70	4.969	4.956	4.978	HH	756	7181	0.16%	0.003%
71	4.995	4.978	5.006	HH	3836	35748	0.80%	0.015%
72	5.019	5.006	5.027	HH	4953	48657	1.10%	0.020%
73	5.032	5.027	5.049	HH	4733	40871	0.92%	0.017%
74	5.070	5.049	5.080	HH	1409	20992	0.47%	0.009%
75	5.095	5.080	5.111	HH	6010	58796	1.32%	0.024%
76	5.119	5.111	5.136	HH	1887	18539	0.42%	0.008%
77	5.148	5.136	5.162	HH	1013	9675	0.22%	0.004%
78	5.177	5.162	5.202	HH	271	2971	0.07%	0.001%
79	5.232	5.202	5.266	PH	1140	17883	0.40%	0.007%
80	5.288	5.266	5.299	HH	2664	29862	0.67%	0.012%
81	5.307	5.299	5.327	HH	1998	17876	0.40%	0.007%
82	5.345	5.327	5.356	HH	494	5950	0.13%	0.002%
83	5.366	5.356	5.394	HH	616	4261	0.10%	0.002%
84	5.417	5.394	5.435	PH	15355	148091	3.33%	0.061%
85	5.451	5.435	5.457	HH	3869	35864	0.81%	0.015%
86	5.464	5.457	5.506	HH	4112	46943	1.06%	0.019%
87	5.517	5.506	5.536	HH	267	2264	0.05%	0.001%
88	5.549	5.536	5.560	PH	98	663	0.01%	0.000%
89	5.581	5.560	5.587	PH	294	2929	0.07%	0.001%

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90	5. 605	5. 587	5. 621	HH	1694	21321	0. 48%	0. 009%	
91	5. 637	5. 621	5. 656	HH	1756	25227	0. 57%	0. 010%	
92	5. 674	5. 656	5. 686	HH	1691	19801	0. 45%	0. 008%	
93	5. 696	5. 686	5. 705	HH	1934	18776	0. 42%	0. 008%	
94	5. 718	5. 705	5. 738	HH	2948	39871	0. 90%	0. 016%	
95	5. 751	5. 738	5. 771	HH	2629	27931	0. 63%	0. 011%	
96	5. 788	5. 771	5. 799	HH	2831	29138	0. 66%	0. 012%	
97	5. 816	5. 799	5. 829	HH	1979	33204	0. 75%	0. 014%	
98	5. 843	5. 829	5. 859	HH	2746	33495	0. 75%	0. 014%	
99	5. 871	5. 859	5. 896	HH	1127	17578	0. 40%	0. 007%	
100	5. 918	5. 896	5. 938	HH	4655	59827	1. 35%	0. 025%	
101	5. 963	5. 938	6. 006	HH	24763	293612	6. 61%	0. 120%	
102	6. 022	6. 006	6. 044	HH	2825	35092	0. 79%	0. 014%	
103	6. 059	6. 044	6. 084	HH	1033	16729	0. 38%	0. 007%	
104	6. 117	6. 084	6. 176	HH	2813	57699	1. 30%	0. 024%	
105	6. 184	6. 176	6. 192	HH	352	2851	0. 06%	0. 001%	
106	6. 208	6. 192	6. 227	HH	741	9614	0. 22%	0. 004%	
107	6. 245	6. 227	6. 281	HH	2808	33597	0. 76%	0. 014%	
108	6. 286	6. 281	6. 297	HH	292	2660	0. 06%	0. 001%	
109	6. 309	6. 297	6. 342	HH	468	8247	0. 19%	0. 003%	
110	6. 353	6. 342	6. 367	HH	568	4960	0. 11%	0. 002%	
111	6. 398	6. 367	6. 436	HH	6642	72540	1. 63%	0. 030%	
112	6. 445	6. 436	6. 454	HH	339	2791	0. 06%	0. 001%	
113	6. 468	6. 454	6. 498	HH	1257	16605	0. 37%	0. 007%	
114	6. 515	6. 498	6. 536	HH	3737	39024	0. 88%	0. 016%	
115	6. 548	6. 536	6. 555	HH	789	7470	0. 17%	0. 003%	
116	6. 564	6. 555	6. 574	HH	857	7929	0. 18%	0. 003%	
117	6. 588	6. 574	6. 652	HH	1194	21634	0. 49%	0. 009%	
118	6. 679	6. 652	6. 689	HH	669	9268	0. 21%	0. 004%	
119	6. 711	6. 689	6. 729	HH	1272	19294	0. 43%	0. 008%	
120	6. 736	6. 729	6. 767	HH	451	7672	0. 17%	0. 003%	
121	6. 801	6. 767	6. 837	HH	675	15238	0. 34%	0. 006%	
122	6. 859	6. 837	6. 877	HH	4036	43950	0. 99%	0. 018%	
123	6. 890	6. 877	6. 944	HH	2297	51529	1. 16%	0. 021%	
124	6. 956	6. 944	6. 985	HH	674	8583	0. 19%	0. 004%	
125	7. 019	6. 985	7. 045	HH	8750	95514	2. 15%	0. 039%	
126	7. 070	7. 045	7. 089	HH	1217	18233	0. 41%	0. 007%	
127	7. 102	7. 089	7. 134	HH	710	9638	0. 22%	0. 004%	
128	7. 154	7. 134	7. 178	PH	4360	42754	0. 96%	0. 018%	
129	7. 191	7. 178	7. 211	PH	397	3850	0. 09%	0. 002%	
130	7. 224	7. 211	7. 243	HH	437	3688	0. 08%	0. 002%	
131	7. 247	7. 243	7. 257	PH	7	-595	-0. 01%	-0. 000%	
132	7. 275	7. 257	7. 297	PH	244	1942	0. 04%	0. 001%	
133	7. 321	7. 297	7. 361	PH	2931	35958	0. 81%	0. 015%	
134	7. 371	7. 361	7. 380	PH	107	371	0. 01%	0. 000%	
135	7. 398	7. 380	7. 418	HH	413	4421	0. 10%	0. 002%	
136	7. 459	7. 418	7. 490	PH	2070	34243	0. 77%	0. 014%	
137	7. 502	7. 490	7. 515	HH	767	8624	0. 19%	0. 004%	
138	7. 527	7. 515	7. 558	HH	690	8733	0. 20%	0. 004%	
139	7. 567	7. 558	7. 587	HH	241	1624	0. 04%	0. 001%	
140	7. 606	7. 587	7. 627	PH	1123	11291	0. 25%	0. 005%	
141	7. 646	7. 627	7. 677	HH	5286	52315	1. 18%	0. 021%	

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142	7. 699	7. 677	7. 713	HH	3367	34788	0. 78%	0. 014%
143	7. 740	7. 713	7. 759	HH	3746	68356	1. 54%	0. 028%
144	7. 771	7. 759	7. 791	HH	1746	21484	0. 48%	0. 009%
145	7. 806	7. 791	7. 826	HH	580	8417	0. 19%	0. 003%
146	7. 840	7. 826	7. 877	HH	688	13039	0. 29%	0. 005%
147	7. 916	7. 877	7. 957	HH	305381	2916327	65. 66%	1. 195%
148	7. 963	7. 957	7. 981	HH	1956	22400	0. 50%	0. 009%
149	7. 999	7. 981	8. 005	HH	2718	29353	0. 66%	0. 012%
150	8. 011	8. 005	8. 036	HH	2716	30184	0. 68%	0. 012%
151	8. 085	8. 036	8. 097	HH	1383	31803	0. 72%	0. 013%
152	8. 115	8. 097	8. 130	HH	3596	44212	1. 00%	0. 018%
153	8. 143	8. 130	8. 156	HH	2646	30889	0. 70%	0. 013%
154	8. 171	8. 156	8. 176	HH	1866	20166	0. 45%	0. 008%
155	8. 192	8. 176	8. 216	HH	3501	52285	1. 18%	0. 021%
156	8. 248	8. 216	8. 279	HH	66713	663675	14. 94%	0. 272%
157	8. 300	8. 279	8. 337	HH	8056	123992	2. 79%	0. 051%
158	8. 356	8. 337	8. 374	HH	1457	23937	0. 54%	0. 010%
159	8. 387	8. 374	8. 405	HH	1356	16878	0. 38%	0. 007%
160	8. 421	8. 405	8. 447	HH	1016	17628	0. 40%	0. 007%
161	8. 463	8. 447	8. 493	HH	686	13331	0. 30%	0. 005%
162	8. 509	8. 493	8. 523	HH	637	8671	0. 20%	0. 004%
163	8. 548	8. 523	8. 566	HH	2205	34148	0. 77%	0. 014%
164	8. 594	8. 566	8. 612	HH	8336	104393	2. 35%	0. 043%
165	8. 658	8. 612	8. 681	HH	3439	93649	2. 11%	0. 038%
166	8. 687	8. 681	8. 699	HH	1682	16873	0. 38%	0. 007%
167	8. 712	8. 699	8. 719	HH	1821	19492	0. 44%	0. 008%
168	8. 731	8. 719	8. 768	HH	2036	39719	0. 89%	0. 016%
169	8. 785	8. 768	8. 793	HH	1001	12559	0. 28%	0. 005%
170	8. 810	8. 793	8. 821	HH	1910	24536	0. 55%	0. 010%
171	8. 834	8. 821	8. 848	HH	2094	26353	0. 59%	0. 011%
172	8. 866	8. 848	8. 891	HH	5813	70633	1. 59%	0. 029%
173	8. 912	8. 891	8. 920	HH	1859	25431	0. 57%	0. 010%
174	8. 933	8. 920	8. 949	HH	1980	29357	0. 66%	0. 012%
175	8. 958	8. 949	8. 978	HH	1543	21275	0. 48%	0. 009%
176	9. 009	8. 978	9. 029	HH	3985	67740	1. 53%	0. 028%
177	9. 044	9. 029	9. 059	HH	2602	34877	0. 79%	0. 014%
178	9. 069	9. 059	9. 083	HH	1577	20032	0. 45%	0. 008%
179	9. 104	9. 083	9. 127	HH	2279	40426	0. 91%	0. 017%
180	9. 159	9. 127	9. 176	HH	2640	47557	1. 07%	0. 019%
181	9. 208	9. 176	9. 233	HH	9550	154442	3. 48%	0. 063%
182	9. 242	9. 233	9. 254	HH	2516	27435	0. 62%	0. 011%
183	9. 274	9. 254	9. 288	HH	5287	70448	1. 59%	0. 029%
184	9. 298	9. 288	9. 318	HH	2949	38427	0. 87%	0. 016%
185	9. 335	9. 318	9. 359	HH	6668	96429	2. 17%	0. 039%
186	9. 378	9. 359	9. 399	HH	10633	142065	3. 20%	0. 058%
187	9. 415	9. 399	9. 433	HH	4524	69878	1. 57%	0. 029%
188	9. 451	9. 433	9. 487	HH	5083	99389	2. 24%	0. 041%
189	9. 500	9. 487	9. 506	HH	2542	27202	0. 61%	0. 011%
190	9. 524	9. 506	9. 543	HH	4067	71398	1. 61%	0. 029%
191	9. 557	9. 543	9. 576	HH	3153	50616	1. 14%	0. 021%
192	9. 590	9. 576	9. 599	HH	2880	37230	0. 84%	0. 015%
193	9. 631	9. 599	9. 651	HH	4279	108612	2. 45%	0. 044%
194	9. 658	9. 651	9. 672	HH	2467	29562	0. 67%	0. 012%

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195	9. 690	9. 672	9. 711	HH	6005	104157	2. 34%	0. 043%	
196	9. 719	9. 711	9. 746	HH	4112	74017	1. 67%	0. 030%	
197	9. 757	9. 746	9. 774	HH	3545	48987	1. 10%	0. 020%	
198	9. 795	9. 774	9. 845	HH	6882	148896	3. 35%	0. 061%	
199	9. 863	9. 845	9. 882	HH	2502	45714	1. 03%	0. 019%	
200	9. 900	9. 882	9. 913	HH	2588	43713	0. 98%	0. 018%	
201	9. 937	9. 913	9. 945	HH	13353	151526	3. 41%	0. 062%	
202	9. 959	9. 945	10. 010	HH	20801	283938	6. 39%	0. 116%	
203	10. 035	10. 010	10. 074	HH	12513	180512	4. 06%	0. 074%	
204	10. 087	10. 074	10. 101	HH	2982	40105	0. 90%	0. 016%	
205	10. 118	10. 101	10. 154	HH	3907	94194	2. 12%	0. 039%	
206	10. 187	10. 154	10. 204	HH	11119	172959	3. 89%	0. 071%	
207	10. 218	10. 204	10. 245	HH	6530	129335	2. 91%	0. 053%	
208	10. 263	10. 245	10. 287	HH	6404	126125	2. 84%	0. 052%	
209	10. 301	10. 287	10. 355	HH	4891	151777	3. 42%	0. 062%	
210	10. 377	10. 355	10. 399	HH	5400	109799	2. 47%	0. 045%	
211	10. 428	10. 399	10. 434	HH	7711	115062	2. 59%	0. 047%	
212	10. 451	10. 434	10. 474	HH	13334	202708	4. 56%	0. 083%	
213	10. 482	10. 474	10. 498	HH	3797	49125	1. 11%	0. 020%	
214	10. 532	10. 498	10. 562	HH	6013	167750	3. 78%	0. 069%	
215	10. 583	10. 562	10. 601	HH	7741	132493	2. 98%	0. 054%	
216	10. 608	10. 601	10. 624	HH	4653	58083	1. 31%	0. 024%	
217	10. 652	10. 624	10. 668	HH	23438	308900	6. 95%	0. 127%	
218	10. 683	10. 668	10. 712	HH	18366	251834	5. 67%	0. 103%	
219	10. 780	10. 712	10. 831	HH	110111	1519360	34. 21%	0. 622%	
220	10. 854	10. 831	10. 897	HH	29951	434385	9. 78%	0. 178%	
221	10. 920	10. 897	10. 944	HH	11361	178556	4. 02%	0. 073%	
222	10. 961	10. 944	10. 973	HH	3485	54766	1. 23%	0. 022%	
223	10. 988	10. 973	11. 004	HH	3379	60797	1. 37%	0. 025%	
224	11. 024	11. 004	11. 044	HH	4511	88298	1. 99%	0. 036%	
225	11. 067	11. 044	11. 083	HH	17372	227654	5. 13%	0. 093%	
226	11. 088	11. 083	11. 115	HH	7006	98933	2. 23%	0. 041%	
227	11. 140	11. 115	11. 153	HH	4107	83668	1. 88%	0. 034%	
228	11. 179	11. 153	11. 200	HH	12497	209969	4. 73%	0. 086%	
229	11. 207	11. 200	11. 219	HH	4778	52143	1. 17%	0. 021%	
230	11. 235	11. 219	11. 255	HH	6796	118722	2. 67%	0. 049%	
231	11. 274	11. 255	11. 291	HH	5324	111801	2. 52%	0. 046%	
232	11. 318	11. 291	11. 350	HH	7920	232771	5. 24%	0. 095%	
233	11. 363	11. 350	11. 371	HH	6406	72622	1. 63%	0. 030%	
234	11. 386	11. 371	11. 409	HH	9862	158174	3. 56%	0. 065%	
235	11. 432	11. 409	11. 456	HH	7991	152546	3. 43%	0. 062%	
236	11. 475	11. 456	11. 510	HH	6572	176785	3. 98%	0. 072%	
237	11. 535	11. 510	11. 563	HH	55271	717747	16. 16%	0. 294%	
238	11. 584	11. 563	11. 599	HH	18910	261770	5. 89%	0. 107%	
239	11. 614	11. 599	11. 640	HH	23778	323737	7. 29%	0. 133%	
240	11. 660	11. 640	11. 666	HH	8523	114546	2. 58%	0. 047%	
241	11. 700	11. 666	11. 718	HH	26650	454933	10. 24%	0. 186%	
242	11. 732	11. 718	11. 747	HH	15171	205030	4. 62%	0. 084%	
243	11. 764	11. 747	11. 792	HH	18119	280024	6. 30%	0. 115%	
244	11. 809	11. 792	11. 823	HH	4762	80849	1. 82%	0. 033%	
245	11. 850	11. 823	11. 874	HH	6210	161509	3. 64%	0. 066%	
246	11. 911	11. 874	11. 922	HH	8929	195434	4. 40%	0. 080%	

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247	11. 940	11. 922	11. 965	HH	17837	272500	6. 14%	0. 112%
248	12. 000	11. 965	12. 026	HH	7921	224436	5. 05%	0. 092%
249	12. 067	12. 026	12. 090	HH	14403	303985	6. 84%	0. 125%
250	12. 103	12. 090	12. 117	HH	5681	85299	1. 92%	0. 035%
251	12. 156	12. 117	12. 184	HH	56620	757023	17. 04%	0. 310%
252	12. 199	12. 184	12. 209	HH	7313	102795	2. 31%	0. 042%
253	12. 221	12. 209	12. 237	HH	8092	119345	2. 69%	0. 049%
254	12. 247	12. 237	12. 262	HH	6216	85458	1. 92%	0. 035%
255	12. 312	12. 262	12. 353	HH	8261	363421	8. 18%	0. 149%
256	12. 376	12. 353	12. 415	HH	10129	282117	6. 35%	0. 116%
257	12. 435	12. 415	12. 464	HH	10913	225192	5. 07%	0. 092%
258	12. 488	12. 464	12. 507	HH	19177	312884	7. 04%	0. 128%
259	12. 521	12. 507	12. 532	HH	10743	149554	3. 37%	0. 061%
260	12. 549	12. 532	12. 571	HH	15100	259879	5. 85%	0. 106%
261	12. 604	12. 571	12. 644	HH	197557	2513943	56. 60%	1. 030%
262	12. 662	12. 644	12. 679	HH	7387	133791	3. 01%	0. 055%
263	12. 704	12. 679	12. 715	HH	6890	134820	3. 04%	0. 055%
264	12. 740	12. 715	12. 750	HH	9001	163725	3. 69%	0. 067%
265	12. 763	12. 750	12. 774	HH	9413	132461	2. 98%	0. 054%
266	12. 791	12. 774	12. 848	HH	12476	433169	9. 75%	0. 177%
267	12. 872	12. 848	12. 880	HH	23212	289205	6. 51%	0. 118%
268	12. 901	12. 880	12. 923	HH	171508	1961946	44. 17%	0. 804%
269	12. 954	12. 923	12. 974	HH	33659	737071	16. 59%	0. 302%
270	12. 988	12. 974	13. 022	HH	23467	401635	9. 04%	0. 165%
271	13. 042	13. 022	13. 053	HH	7455	135524	3. 05%	0. 056%
272	13. 075	13. 053	13. 084	HH	12392	184966	4. 16%	0. 076%
273	13. 096	13. 084	13. 124	HH	12408	235655	5. 31%	0. 097%
274	13. 165	13. 124	13. 190	HH	19611	470176	10. 59%	0. 193%
275	13. 204	13. 190	13. 213	HH	8909	120008	2. 70%	0. 049%
276	13. 238	13. 213	13. 259	HH	11972	266725	6. 00%	0. 109%
277	13. 298	13. 259	13. 314	HH	12107	307500	6. 92%	0. 126%
278	13. 359	13. 314	13. 378	HH	17979	452815	10. 19%	0. 185%
279	13. 386	13. 378	13. 439	HH	11848	325287	7. 32%	0. 133%
280	13. 489	13. 439	13. 530	HH	37423	858117	19. 32%	0. 351%
281	13. 556	13. 530	13. 572	HH	9867	229623	5. 17%	0. 094%
282	13. 597	13. 572	13. 618	HH	26698	466494	10. 50%	0. 191%
283	13. 637	13. 618	13. 658	HH	20843	346752	7. 81%	0. 142%
284	13. 680	13. 658	13. 711	HH	14430	363138	8. 18%	0. 149%
285	13. 766	13. 711	13. 787	HH	22237	688179	15. 49%	0. 282%
286	13. 807	13. 787	13. 851	HH	18716	461979	10. 40%	0. 189%
287	13. 880	13. 851	13. 901	HH	10689	286952	6. 46%	0. 118%
288	13. 919	13. 901	13. 938	HH	9529	203449	4. 58%	0. 083%
289	13. 949	13. 938	13. 959	HH	9434	116233	2. 62%	0. 048%
290	13. 974	13. 959	14. 007	HH	10147	281009	6. 33%	0. 115%
291	14. 020	14. 007	14. 057	HH	10109	274919	6. 19%	0. 113%
292	14. 074	14. 057	14. 092	HH	9831	197260	4. 44%	0. 081%
293	14. 110	14. 092	14. 119	HH	10204	158239	3. 56%	0. 065%
294	14. 142	14. 119	14. 157	HH	13490	271177	6. 11%	0. 111%
295	14. 185	14. 157	14. 205	HH	14467	389930	8. 78%	0. 160%
296	14. 223	14. 205	14. 254	HH	19462	420601	9. 47%	0. 172%
297	14. 310	14. 254	14. 331	HH	21079	659797	14. 85%	0. 270%
298	14. 351	14. 331	14. 375	HH	21208	445727	10. 03%	0. 183%
299	14. 405	14. 375	14. 442	HH	24032	671700	15. 12%	0. 275%

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300	14.467	14.442	14.490	HH	34184	599898	13.51%	0.246%
301	14.525	14.490	14.554	HH	23658	646145	14.55%	0.265%
302	14.592	14.554	14.606	HH	13172	370598	8.34%	0.152%
303	14.649	14.606	14.689	HH	156475	2579430	58.07%	1.057%
304	14.700	14.689	14.712	HH	12777	177555	4.00%	0.073%
305	14.731	14.712	14.750	HH	16428	315328	7.10%	0.129%
306	14.780	14.750	14.800	HH	95303	1382495	31.13%	0.566%
307	14.821	14.800	14.844	HH	98729	1385105	31.18%	0.567%
308	14.852	14.844	14.880	HH	20116	361193	8.13%	0.148%
309	14.895	14.880	14.909	HH	13839	234573	5.28%	0.096%
310	14.941	14.909	14.966	HH	31930	689854	15.53%	0.283%
311	14.979	14.966	15.001	HH	15393	311911	7.02%	0.128%
312	15.017	15.001	15.050	HH	18859	460551	10.37%	0.189%
313	15.080	15.050	15.104	HH	20595	526795	11.86%	0.216%
314	15.121	15.104	15.177	HH	19527	707698	15.93%	0.290%
315	15.232	15.177	15.284	HH	72808	1830721	41.22%	0.750%
316	15.291	15.284	15.307	HH	15810	204994	4.62%	0.084%
317	15.327	15.307	15.341	HH	16197	313738	7.06%	0.129%
318	15.372	15.341	15.399	HH	52065	1040446	23.42%	0.426%
319	15.412	15.399	15.421	HH	19908	247368	5.57%	0.101%
320	15.453	15.421	15.474	HH	33625	784899	17.67%	0.321%
321	15.492	15.474	15.517	HH	23503	496325	11.17%	0.203%
322	15.535	15.517	15.551	HH	19430	365132	8.22%	0.150%
323	15.613	15.551	15.657	HH	27139	1329648	29.94%	0.545%
324	15.692	15.657	15.727	HH	20884	751347	16.92%	0.308%
325	15.751	15.727	15.766	HH	19550	432239	9.73%	0.177%
326	15.776	15.766	15.792	HH	19826	304090	6.85%	0.125%
327	15.808	15.792	15.824	HH	20723	367569	8.28%	0.151%
328	15.844	15.824	15.852	HH	19906	335983	7.56%	0.138%
329	15.875	15.852	15.914	HH	34323	877727	19.76%	0.360%
330	15.937	15.914	15.959	HH	20187	503047	11.33%	0.206%
331	15.963	15.959	15.971	HH	17928	123449	2.78%	0.051%
332	15.977	15.971	16.002	HH	18137	333825	7.52%	0.137%
333	16.008	16.002	16.027	HH	17800	267476	6.02%	0.110%
334	16.063	16.027	16.087	HH	22183	712391	16.04%	0.292%
335	16.091	16.087	16.105	HH	19862	209208	4.71%	0.086%
336	16.125	16.105	16.147	HH	22398	530046	11.93%	0.217%
337	16.170	16.147	16.200	HH	22520	669409	15.07%	0.274%
338	16.248	16.200	16.292	HH	46814	1601189	36.05%	0.656%
339	16.342	16.292	16.355	HH	114500	2178909	49.06%	0.892%
340	16.359	16.355	16.402	HH	100906	1550620	34.91%	0.635%
341	16.431	16.402	16.447	HH	24415	611328	13.76%	0.250%
342	16.470	16.447	16.492	HH	37780	788693	17.76%	0.323%
343	16.512	16.492	16.548	HH	25469	795302	17.91%	0.326%
344	16.562	16.548	16.567	HH	22971	267145	6.01%	0.109%
345	16.592	16.567	16.599	HH	25311	464892	10.47%	0.190%
346	16.661	16.599	16.691	HH	74347	2115493	47.63%	0.867%
347	16.719	16.691	16.764	HH	91610	1953772	43.99%	0.800%
348	16.823	16.764	16.851	HH	62154	1899776	42.77%	0.778%
349	16.874	16.851	16.887	HH	34453	674962	15.20%	0.276%
350	16.903	16.887	16.924	HH	38452	747540	16.83%	0.306%
351	16.961	16.924	17.009	HH	30788	1464525	32.97%	0.600%

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352	17.026	17.009	17.040	HH	29416	534629	12.04%	0.219%
353	17.083	17.040	17.118	HH	37269	1515635	34.12%	0.621%
354	17.139	17.118	17.160	HH	35705	848213	19.10%	0.347%
355	17.191	17.160	17.233	HH	99455	2443569	55.01%	1.001%
356	17.278	17.233	17.339	HH	103677	3094298	69.66%	1.267%
357	17.377	17.339	17.407	HH	37087	1385406	31.19%	0.567%
358	17.421	17.407	17.441	HH	31939	623191	14.03%	0.255%
359	17.449	17.441	17.465	HH	31339	445886	10.04%	0.183%
360	17.492	17.465	17.523	HH	32580	1088039	24.50%	0.446%
361	17.564	17.523	17.581	HH	32878	1097482	24.71%	0.450%
362	17.647	17.581	17.667	HH	36595	1725307	38.84%	0.707%
363	17.716	17.667	17.747	HH	65584	2083414	46.91%	0.853%
364	17.806	17.747	17.832	HH	51848	2062373	46.43%	0.845%
365	17.864	17.832	17.880	HH	46220	1183348	26.64%	0.485%
366	17.885	17.880	17.916	HH	42857	867245	19.52%	0.355%
367	17.941	17.916	17.967	HH	40298	1181161	26.59%	0.484%
368	18.001	17.967	18.019	HH	48670	1288033	29.00%	0.528%
369	18.034	18.019	18.047	HH	45068	712595	16.04%	0.292%
370	18.077	18.047	18.113	HH	131976	3522166	79.30%	1.443%
371	18.139	18.113	18.169	HH	139984	2807963	63.22%	1.150%
372	18.179	18.169	18.201	HH	43339	801306	18.04%	0.328%
373	18.228	18.201	18.246	HH	58312	1338301	30.13%	0.548%
374	18.258	18.246	18.319	HH	51625	1896090	42.69%	0.777%
375	18.346	18.319	18.371	HH	80449	1702541	38.33%	0.697%
376	18.403	18.371	18.414	HH	41822	1037567	23.36%	0.425%
377	18.431	18.414	18.445	HH	43401	784606	17.66%	0.321%
378	18.477	18.445	18.514	HH	52947	1876518	42.25%	0.769%
379	18.549	18.514	18.595	HH	62194	2354219	53.00%	0.964%
380	18.603	18.595	18.616	HH	41699	519950	11.71%	0.213%
381	18.652	18.616	18.684	HH	64488	2089030	47.03%	0.856%
382	18.703	18.684	18.732	HH	46815	1305711	29.40%	0.535%
383	18.745	18.732	18.751	HH	43404	472066	10.63%	0.193%
384	18.754	18.751	18.760	HH	43341	241058	5.43%	0.099%
385	18.784	18.760	18.802	HH	46133	1126259	25.36%	0.461%
386	18.825	18.802	18.844	HH	47078	1152025	25.94%	0.472%
387	18.864	18.844	18.870	HH	48192	730745	16.45%	0.299%
388	18.904	18.870	18.931	HH	133282	3184727	71.70%	1.304%
389	18.949	18.931	19.001	HH	81494	2600676	58.55%	1.065%
390	19.026	19.001	19.061	HH	65733	2103042	47.35%	0.861%
391	19.074	19.061	19.114	HH	58095	1667385	37.54%	0.683%
392	19.147	19.114	19.161	HH	51014	1374253	30.94%	0.563%
393	19.190	19.161	19.221	HH	72581	2184621	49.18%	0.895%
394	19.234	19.221	19.262	HH	55482	1298312	29.23%	0.532%
395	19.271	19.262	19.277	HH	47877	405891	9.14%	0.166%
396	19.308	19.277	19.316	HH	50942	1156170	26.03%	0.474%
397	19.339	19.316	19.348	HH	57573	1070741	24.11%	0.439%
398	19.365	19.348	19.381	HH	61543	1128948	25.42%	0.462%
399	19.399	19.381	19.414	HH	58494	1126065	25.35%	0.461%
400	19.440	19.414	19.475	HH	62224	2088273	47.01%	0.855%
401	19.505	19.475	19.526	HH	70639	1872484	42.16%	0.767%
402	19.539	19.526	19.552	HH	62127	983713	22.15%	0.403%
403	19.572	19.552	19.603	HH	66498	1889528	42.54%	0.774%
404	19.622	19.603	19.648	HH	62091	1600481	36.03%	0.656%



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405	19.685	19.648	19.734	HH	67937	3186075	71.73%	1.305%
406	19.751	19.734	19.769	HH	57275	1175565	26.47%	0.482%
407	19.787	19.769	19.802	HH	57808	1141116	25.69%	0.467%
408	19.810	19.802	19.824	HH	55360	724647	16.31%	0.297%
409	19.885	19.824	19.912	HH	74198	3305857	74.43%	1.354%
410	19.941	19.912	19.971	HH	70936	2276222	51.25%	0.932%
411	20.000	19.971	20.004	HH	64436	1249553	28.13%	0.512%
412	20.007	20.004	20.011	HH	64089	252676	5.69%	0.103%
413	20.015	20.011	20.052	HH	64388	1528223	34.41%	0.626%
414	20.077	20.052	20.098	HH	66660	1760888	39.64%	0.721%
415	20.110	20.098	20.140	HH	62956	1550688	34.91%	0.635%
416	20.147	20.140	20.161	HH	62612	798064	17.97%	0.327%
417	20.167	20.161	20.177	HH	61075	580310	13.06%	0.238%
418	20.180	20.177	20.186	HH	60535	306107	6.89%	0.125%
419	20.192	20.186	20.197	HH	61218	418728	9.43%	0.172%
420	20.242	20.197	20.261	HH	65891	2390458	53.82%	0.979%
421	20.265	20.261	20.279	HH	63645	683203	15.38%	0.280%
422	20.308	20.279	20.334	HH	66202	2122949	47.80%	0.870%
423	20.344	20.334	20.357	HH	64979	886822	19.97%	0.363%
424	20.374	20.357	20.382	HH	65409	972714	21.90%	0.398%
425	20.395	20.382	20.400	HH	67039	714728	16.09%	0.293%
426	20.405	20.400	20.409	HH	66708	377391	8.50%	0.155%
427	20.431	20.409	20.494	HH	71875	3445511	77.57%	1.411%
428	20.498	20.494	20.517	HH	65437	894528	20.14%	0.366%
429	20.545	20.517	20.558	HH	66763	1594682	35.90%	0.653%
430	20.566	20.558	20.591	HH	67044	1312302	29.54%	0.538%
431	20.600	20.591	20.621	HH	66152	1183773	26.65%	0.485%
432	20.625	20.621	20.629	HH	63662	317917	7.16%	0.130%
433	20.635	20.629	20.654	HH	63810	921381	20.74%	0.377%
434	20.682	20.654	20.693	HH	64503	1503899	33.86%	0.616%
435	20.712	20.693	20.739	HH	66661	1807687	40.70%	0.740%
436	20.768	20.739	20.782	HH	67950	1725547	38.85%	0.707%
437	20.789	20.782	20.799	HH	66324	663787	14.94%	0.272%
438	20.821	20.799	20.852	HH	71107	2147994	48.36%	0.880%
439	20.876	20.852	20.882	HH	65702	1146746	25.82%	0.470%
440	20.888	20.882	20.902	HH	65656	797779	17.96%	0.327%
441	20.917	20.902	20.939	HH	64815	1404890	31.63%	0.575%
442	20.943	20.939	20.972	HH	62914	1233283	27.77%	0.505%
443	20.997	20.972	21.004	HH	63167	1196134	26.93%	0.490%
444	21.056	21.004	21.064	HH	64864	2274853	51.22%	0.932%
445	21.106	21.064	21.127	HH	69005	2497958	56.24%	1.023%
446	21.139	21.127	21.159	HH	67624	1298699	29.24%	0.532%
447	21.183	21.159	21.212	HH	68444	2144279	48.28%	0.878%
448	21.218	21.212	21.224	HH	64188	447838	10.08%	0.183%
449	21.258	21.224	21.336	HH	70826	4441726	100.00%	1.819%
450	21.374	21.336	21.416	HH	65160	3033496	68.30%	1.243%
451	21.435	21.416	21.446	HH	62304	1122736	25.28%	0.460%
452	21.484	21.446	21.527	HH	71253	3200561	72.06%	1.311%
453	21.531	21.527	21.536	HH	61767	301255	6.78%	0.123%
454	21.570	21.536	21.598	HH	65941	2376716	53.51%	0.974%
455	21.604	21.598	21.612	HH	60585	514592	11.59%	0.211%
456	21.650	21.612	21.684	HH	66989	2735814	61.59%	1.121%

rteres.txt  
457 21.747 21.684 21.771 HH 65030 3270455 73.63% 1.340%  
458 21.774 21.771 21.785 HH 61704 517388 11.65% 0.212%  
459 21.789 21.785 21.827 HH 61100 1506136 33.91% 0.617%  
Sum of corrected areas: 244139605

FF101218.M Wed Oct 31 10:24:25 2018