

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032622\
 Data File : FF010159.D
 Signal(s) : FID2B.ch
 Acq On : 26 Mar 2022 17:36
 Sample : N1972-06 20X
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF032622.M
 Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.018	1.997	2.029	BV	1289	17470	0.47%	0.017%
2	2.034	2.029	2.041	VV	1187	8210	0.22%	0.008%
3	2.051	2.041	2.070	VV	1101	17380	0.47%	0.017%
4	2.087	2.070	2.112	VV	2413	34249	0.92%	0.034%
5	2.116	2.112	2.121	VV	983	4890	0.13%	0.005%
6	2.134	2.121	2.163	VV	1050	23767	0.64%	0.024%
7	2.173	2.163	2.197	VV	1040	18615	0.50%	0.018%
8	2.213	2.197	2.217	VV	909	10606	0.29%	0.010%
9	2.228	2.217	2.235	VV	962	9592	0.26%	0.009%
10	2.238	2.235	2.270	VV	953	18554	0.50%	0.018%
11	2.281	2.270	2.298	VV	1030	15338	0.41%	0.015%
12	2.303	2.298	2.308	VV	856	4859	0.13%	0.005%
13	2.313	2.308	2.336	VV	880	14098	0.38%	0.014%
14	2.353	2.336	2.372	VV	910	17876	0.48%	0.018%
15	2.375	2.372	2.385	VV	868	6005	0.16%	0.006%
16	2.415	2.385	2.427	VV	1055	21877	0.59%	0.022%
17	2.435	2.427	2.440	VV	917	6500	0.17%	0.006%
18	2.471	2.440	2.504	VV	1057	35087	0.94%	0.035%
19	2.524	2.504	2.536	VV	921	16773	0.45%	0.017%
20	2.550	2.536	2.570	VV	1067	18055	0.49%	0.018%
21	2.581	2.570	2.594	VV	777	10138	0.27%	0.010%
22	2.607	2.594	2.615	VV	704	8208	0.22%	0.008%
23	2.633	2.615	2.639	VV	679	8786	0.24%	0.009%
24	2.651	2.639	2.655	VV	683	6432	0.17%	0.006%
25	2.659	2.655	2.666	VV	712	4260	0.11%	0.004%
26	2.675	2.666	2.694	VV	803	11835	0.32%	0.012%
27	2.701	2.694	2.725	VV	709	11986	0.32%	0.012%
28	2.737	2.725	2.755	VV	804	11819	0.32%	0.012%
29	2.761	2.755	2.784	VV	670	10354	0.28%	0.010%
30	2.811	2.784	2.816	VV	611	11115	0.30%	0.011%
31	2.839	2.816	2.872	VV	861	22390	0.60%	0.022%
32	2.876	2.872	2.881	VV	697	3258	0.09%	0.003%
33	2.900	2.881	2.920	VV	802	15773	0.42%	0.016%
34	2.924	2.920	2.945	VV	698	9447	0.25%	0.009%
35	2.959	2.945	2.971	VV	699	9878	0.27%	0.010%
36	2.988	2.971	3.045	VV	1183	33557	0.90%	0.033%

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37	3.053	3.045	3.071	VV	698	9459	0.25%	0.009%
38	3.086	3.071	3.112	VV	1655	23583	0.63%	0.023%
39	3.118	3.112	3.146	VV	622	11870	0.32%	0.012%
40	3.149	3.146	3.163	VV	609	5335	0.14%	0.005%
41	3.178	3.163	3.195	VV	624	10476	0.28%	0.010%
42	3.212	3.195	3.217	VV	639	7134	0.19%	0.007%
43	3.221	3.217	3.225	VV	556	2632	0.07%	0.003%
44	3.238	3.225	3.247	VV	540	6636	0.18%	0.007%
45	3.251	3.247	3.256	VV	528	2808	0.08%	0.003%
46	3.261	3.256	3.268	VV	538	3454	0.09%	0.003%
47	3.275	3.268	3.288	VV	537	6000	0.16%	0.006%
48	3.308	3.288	3.324	VV	603	11251	0.30%	0.011%
49	3.333	3.324	3.355	VV	544	9166	0.25%	0.009%
50	3.363	3.355	3.393	VV	542	11627	0.31%	0.012%
51	3.408	3.393	3.441	VV	601	15653	0.42%	0.015%
52	3.446	3.441	3.460	VV	566	5774	0.16%	0.006%
53	3.463	3.460	3.473	VV	496	3418	0.09%	0.003%
54	3.495	3.473	3.535	VV	577	18005	0.48%	0.018%
55	3.577	3.535	3.588	VV	596	15342	0.41%	0.015%
56	3.601	3.588	3.621	VV	800	12763	0.34%	0.013%
57	3.631	3.621	3.656	VV	618	10462	0.28%	0.010%
58	3.674	3.656	3.703	VV	1014	18025	0.48%	0.018%
59	3.710	3.703	3.732	VV	538	8372	0.23%	0.008%
60	3.772	3.732	3.782	VV	619	15104	0.41%	0.015%
61	3.791	3.782	3.805	VV	553	7307	0.20%	0.007%
62	3.813	3.805	3.834	VV	585	8312	0.22%	0.008%
63	3.852	3.834	3.858	VV	546	6762	0.18%	0.007%
64	3.864	3.858	3.888	VV	527	8996	0.24%	0.009%
65	3.895	3.888	3.921	VV	544	10184	0.27%	0.010%
66	3.925	3.921	3.942	VV	461	5307	0.14%	0.005%
67	3.968	3.942	3.982	VV	624	12068	0.32%	0.012%
68	3.994	3.982	4.021	VV	943	15794	0.42%	0.016%
69	4.027	4.021	4.037	VV	610	5285	0.14%	0.005%
70	4.051	4.037	4.083	VV	801	16512	0.44%	0.016%
71	4.086	4.083	4.104	VV	548	5825	0.16%	0.006%
72	4.113	4.104	4.118	VV	524	4221	0.11%	0.004%
73	4.142	4.118	4.154	VV	634	11289	0.30%	0.011%
74	4.168	4.154	4.224	VV	1531	31915	0.86%	0.032%
75	4.229	4.224	4.241	VV	585	5829	0.16%	0.006%
76	4.244	4.241	4.253	VV	593	3804	0.10%	0.004%
77	4.256	4.253	4.272	VV	579	6066	0.16%	0.006%
78	4.278	4.272	4.314	VV	592	13425	0.36%	0.013%
79	4.321	4.314	4.347	VV	590	10294	0.28%	0.010%
80	4.351	4.347	4.357	VV	504	2865	0.08%	0.003%
81	4.370	4.357	4.390	VV	713	11414	0.31%	0.011%
82	4.406	4.390	4.425	VV	651	12651	0.34%	0.013%
83	4.443	4.425	4.454	VV	683	10425	0.28%	0.010%
84	4.468	4.454	4.485	VV	663	10678	0.29%	0.011%
85	4.499	4.485	4.505	VV	499	5346	0.14%	0.005%
86	4.510	4.505	4.550	VV	560	13249	0.36%	0.013%
87	4.564	4.550	4.596	VV	496	12555	0.34%	0.012%
88	4.623	4.596	4.635	VV	444	9198	0.25%	0.009%
89	4.656	4.635	4.680	VV	742	13737	0.37%	0.014%

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90	4.686	4.680	4.692	VV	423	2711	0.07%	0.003%
91	4.711	4.692	4.726	VV	528	9415	0.25%	0.009%
92	4.739	4.726	4.767	VV	583	12032	0.32%	0.012%
93	4.774	4.767	4.786	VV	412	4098	0.11%	0.004%
94	4.799	4.786	4.812	VV	436	6026	0.16%	0.006%
95	4.831	4.812	4.834	VV	397	4576	0.12%	0.005%
96	4.840	4.834	4.849	VV	401	3657	0.10%	0.004%
97	4.859	4.849	4.864	VV	393	3186	0.09%	0.003%
98	4.868	4.864	4.887	VV	422	4956	0.13%	0.005%
99	4.891	4.887	4.896	VV	306	1438	0.04%	0.001%
100	4.901	4.896	4.918	VV	328	3750	0.10%	0.004%
101	4.932	4.918	4.949	VV	372	6175	0.17%	0.006%
102	4.955	4.949	4.970	VV	411	4271	0.11%	0.004%
103	4.986	4.970	5.031	VV	656	15628	0.42%	0.015%
104	5.040	5.031	5.049	VV	369	3511	0.09%	0.003%
105	5.054	5.049	5.085	VV	306	5877	0.16%	0.006%
106	5.107	5.085	5.126	VV	492	8755	0.24%	0.009%
107	5.130	5.126	5.134	VV	259	1094	0.03%	0.001%
108	5.141	5.134	5.158	VV	312	3614	0.10%	0.004%
109	5.162	5.158	5.173	VV	220	1888	0.05%	0.002%
110	5.183	5.173	5.208	VV	273	5058	0.14%	0.005%
111	5.227	5.208	5.250	VV	1394	17100	0.46%	0.017%
112	5.266	5.250	5.274	VV	348	4060	0.11%	0.004%
113	5.289	5.274	5.321	VV	382	8242	0.22%	0.008%
114	5.325	5.321	5.338	VV	268	2259	0.06%	0.002%
115	5.357	5.338	5.382	VV	325	6348	0.17%	0.006%
116	5.410	5.382	5.449	VV	444	12579	0.34%	0.012%
117	5.458	5.449	5.479	VV	373	5635	0.15%	0.006%
118	5.482	5.479	5.502	VV	309	4048	0.11%	0.004%
119	5.519	5.502	5.549	VV	780	13486	0.36%	0.013%
120	5.579	5.549	5.614	VV	393	12284	0.33%	0.012%
121	5.618	5.614	5.628	VV	295	2274	0.06%	0.002%
122	5.632	5.628	5.635	VV	318	1358	0.04%	0.001%
123	5.639	5.635	5.655	VV	383	3296	0.09%	0.003%
124	5.659	5.655	5.683	VV	286	4076	0.11%	0.004%
125	5.712	5.683	5.744	VV	403	11066	0.30%	0.011%
126	5.765	5.744	5.785	VV	436	8112	0.22%	0.008%
127	5.799	5.785	5.812	VV	385	4698	0.13%	0.005%
128	5.835	5.812	5.846	VV	402	6440	0.17%	0.006%
129	5.857	5.846	5.876	VV	425	6122	0.16%	0.006%
130	5.888	5.876	5.895	VV	280	2972	0.08%	0.003%
131	5.899	5.895	5.904	VV	330	1441	0.04%	0.001%
132	5.914	5.904	5.924	VV	403	3648	0.10%	0.004%
133	5.941	5.924	5.984	VV	776	19535	0.53%	0.019%
134	5.990	5.984	6.019	VV	385	6972	0.19%	0.007%
135	6.024	6.019	6.039	VV	318	3228	0.09%	0.003%
136	6.050	6.039	6.057	VV	360	2969	0.08%	0.003%
137	6.062	6.057	6.083	VV	296	4208	0.11%	0.004%
138	6.113	6.083	6.152	VV	544	14274	0.38%	0.014%
139	6.168	6.152	6.192	VV	301	5828	0.16%	0.006%
140	6.202	6.192	6.214	VV	326	2774	0.07%	0.003%
141	6.234	6.214	6.267	VV	1263	18998	0.51%	0.019%

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142	6.283	6.267	6.334	VV	313	8775	0.24%	0.009%
143	6.345	6.334	6.355	VV	211	2034	0.05%	0.002%
144	6.362	6.355	6.367	VV	215	1087	0.03%	0.001%
145	6.389	6.367	6.411	VV	343	6314	0.17%	0.006%
146	6.422	6.411	6.429	VV	341	2648	0.07%	0.003%
147	6.433	6.429	6.442	VV	212	1355	0.04%	0.001%
148	6.466	6.442	6.500	VV	363	7993	0.21%	0.008%
149	6.519	6.500	6.528	VV	268	3748	0.10%	0.004%
150	6.543	6.528	6.558	VV	326	4294	0.12%	0.004%
151	6.568	6.558	6.581	VV	243	2438	0.07%	0.002%
152	6.603	6.581	6.615	VV	241	3589	0.10%	0.004%
153	6.618	6.615	6.624	VV	198	641	0.02%	0.001%
154	6.647	6.624	6.654	PV	202	2228	0.06%	0.002%
155	6.688	6.654	6.707	VV	353	6704	0.18%	0.007%
156	6.720	6.707	6.728	VV	297	3215	0.09%	0.003%
157	6.732	6.728	6.797	VV	288	8964	0.24%	0.009%
158	6.818	6.797	6.833	VV	286	4601	0.12%	0.005%
159	6.851	6.833	6.871	VV	958	12370	0.33%	0.012%
160	6.881	6.871	6.899	VV	454	6132	0.16%	0.006%
161	6.904	6.899	6.907	VV	321	1665	0.04%	0.002%
162	6.912	6.907	6.922	VV	405	3095	0.08%	0.003%
163	6.929	6.922	6.963	VV	290	6104	0.16%	0.006%
164	6.967	6.963	6.973	VV	138	821	0.02%	0.001%
165	6.989	6.973	6.998	VV	243	2619	0.07%	0.003%
166	7.012	6.998	7.037	VV	273	4489	0.12%	0.004%
167	7.062	7.037	7.082	VV	385	6583	0.18%	0.007%
168	7.094	7.082	7.132	VV	191	3392	0.09%	0.003%
169	7.148	7.132	7.159	VV	222	2455	0.07%	0.002%
170	7.181	7.159	7.211	VV	1185	15606	0.42%	0.015%
171	7.215	7.211	7.249	VV	254	3783	0.10%	0.004%
172	7.259	7.249	7.287	VV	289	3670	0.10%	0.004%
173	7.313	7.287	7.350	VV	819	12576	0.34%	0.012%
174	7.363	7.350	7.369	VV	171	1496	0.04%	0.001%
175	7.374	7.369	7.380	VV	135	852	0.02%	0.001%
176	7.389	7.380	7.397	VV	180	1528	0.04%	0.002%
177	7.402	7.397	7.437	VV	180	3423	0.09%	0.003%
178	7.446	7.437	7.457	VV	251	2093	0.06%	0.002%
179	7.476	7.457	7.482	VV	187	2217	0.06%	0.002%
180	7.484	7.482	7.519	VV	223	1720	0.05%	0.002%
181	7.534	7.519	7.539	PV	143	1059	0.03%	0.001%
182	7.543	7.539	7.546	VV	148	499	0.01%	0.000%
183	7.551	7.546	7.581	VV	132	1616	0.04%	0.002%
184	7.583	7.581	7.587	VV	105	225	0.01%	0.000%
185	7.605	7.587	7.637	VV	276	4387	0.12%	0.004%
186	7.653	7.637	7.669	VV	203	2986	0.08%	0.003%
187	7.679	7.669	7.699	VV	194	2234	0.06%	0.002%
188	7.719	7.699	7.757	VV	758	14182	0.38%	0.014%
189	7.767	7.757	7.784	VV	189	2462	0.07%	0.002%
190	7.788	7.784	7.817	VV	164	2020	0.05%	0.002%
191	7.821	7.817	7.824	VV	114	355	0.01%	0.000%
192	7.841	7.824	7.864	VV	298	3969	0.11%	0.004%
193	7.879	7.864	7.886	VV	207	2161	0.06%	0.002%
194	7.895	7.886	7.907	VV	205	1397	0.04%	0.001%

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195	7.961	7.907	7.976	PV	325	5674	0.15%	0.006%
196	7.999	7.976	8.029	VV	452	7277	0.20%	0.007%
197	8.076	8.029	8.125	VV	1422	25418	0.68%	0.025%
198	8.139	8.125	8.147	VV	261	2364	0.06%	0.002%
199	8.153	8.147	8.156	VV	180	785	0.02%	0.001%
200	8.183	8.156	8.214	VV	895	14693	0.40%	0.015%
201	8.220	8.214	8.229	VV	227	1497	0.04%	0.001%
202	8.234	8.229	8.242	VV	159	926	0.02%	0.001%
203	8.247	8.242	8.257	VV	176	1099	0.03%	0.001%
204	8.261	8.257	8.267	VV	156	680	0.02%	0.001%
205	8.294	8.267	8.301	VV	298	4035	0.11%	0.004%
206	8.320	8.301	8.366	VV	401	9461	0.25%	0.009%
207	8.384	8.366	8.399	VV	165	1804	0.05%	0.002%
208	8.406	8.399	8.411	VV	74	326	0.01%	0.000%
209	8.426	8.411	8.431	VV	132	923	0.02%	0.001%
210	8.444	8.431	8.459	VV	121	890	0.02%	0.001%
211	8.469	8.459	8.479	VV	84	662	0.02%	0.001%
212	8.483	8.479	8.486	VV	82	318	0.01%	0.000%
213	8.489	8.486	8.501	VV	109	733	0.02%	0.001%
214	8.541	8.501	8.572	VV	718	12698	0.34%	0.013%
215	8.589	8.572	8.599	VV	365	4215	0.11%	0.004%
216	8.604	8.599	8.617	VV	193	1738	0.05%	0.002%
217	8.633	8.617	8.640	VV	277	3056	0.08%	0.003%
218	8.649	8.640	8.659	VV	311	3024	0.08%	0.003%
219	8.677	8.659	8.695	VV	335	6466	0.17%	0.006%
220	8.720	8.695	8.736	VV	312	5982	0.16%	0.006%
221	8.740	8.736	8.762	VV	164	1483	0.04%	0.001%
222	8.770	8.762	8.785	VV	151	1378	0.04%	0.001%
223	8.807	8.785	8.849	VV	519	8861	0.24%	0.009%
224	8.864	8.849	8.889	VV	217	3404	0.09%	0.003%
225	8.920	8.889	8.962	VV	1330	19590	0.53%	0.019%
226	8.974	8.962	8.979	VV	220	1670	0.04%	0.002%
227	9.003	8.979	9.039	VV	569	11575	0.31%	0.011%
228	9.054	9.039	9.086	VV	330	6531	0.18%	0.006%
229	9.091	9.086	9.102	VV	183	1503	0.04%	0.001%
230	9.107	9.102	9.126	VV	155	1035	0.03%	0.001%
231	9.146	9.126	9.156	PV	192	1888	0.05%	0.002%
232	9.161	9.156	9.169	VV	188	1354	0.04%	0.001%
233	9.182	9.169	9.235	VV	226	5178	0.14%	0.005%
234	9.294	9.235	9.309	VV	188	2738	0.07%	0.003%
235	9.326	9.309	9.354	VV	841	11948	0.32%	0.012%
236	9.377	9.354	9.405	VV	362	8944	0.24%	0.009%
237	9.418	9.405	9.439	VV	316	5189	0.14%	0.005%
238	9.445	9.439	9.499	VV	276	6089	0.16%	0.006%
239	9.504	9.499	9.507	VV	123	453	0.01%	0.000%
240	9.511	9.507	9.514	VV	159	468	0.01%	0.000%
241	9.525	9.514	9.543	VV	213	2876	0.08%	0.003%
242	9.556	9.543	9.589	VV	265	4603	0.12%	0.005%
243	9.609	9.589	9.636	VV	362	5833	0.16%	0.006%
244	9.652	9.636	9.682	VV	298	4668	0.13%	0.005%
245	9.719	9.682	9.751	VV	1220	21490	0.58%	0.021%
246	9.785	9.751	9.821	VV	636	13225	0.36%	0.013%

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247	9.829	9.821	9.841	VV	216	1523	0.04%	0.002%
248	9.855	9.841	9.859	VV	134	943	0.03%	0.001%
249	9.865	9.859	9.871	VV	151	870	0.02%	0.001%
250	9.872	9.871	9.876	VV	157	372	0.01%	0.000%
251	9.881	9.876	9.907	VV	151	1755	0.05%	0.002%
252	9.913	9.907	9.929	VV	42	505	0.01%	0.000%
253	9.931	9.929	9.936	PV	67	113	0.00%	0.000%
254	9.953	9.936	9.967	PV	132	1521	0.04%	0.002%
255	9.971	9.967	9.982	VV	58	585	0.02%	0.001%
256	9.992	9.982	10.013	VV	172	2010	0.05%	0.002%
257	10.020	10.013	10.033	VV	147	1346	0.04%	0.001%
258	10.035	10.033	10.050	VV	103	536	0.01%	0.001%
259	10.054	10.050	10.057	VV	110	288	0.01%	0.000%
260	10.080	10.057	10.102	VV	517	6267	0.17%	0.006%
261	10.107	10.102	10.112	VV	233	1062	0.03%	0.001%
262	10.118	10.112	10.129	VV	221	1831	0.05%	0.002%
263	10.136	10.129	10.151	VV	201	1814	0.05%	0.002%
264	10.174	10.151	10.192	VV	398	6278	0.17%	0.006%
265	10.211	10.192	10.217	VV	412	4872	0.13%	0.005%
266	10.220	10.217	10.254	VV	418	6268	0.17%	0.006%
267	10.257	10.254	10.279	VV	281	2721	0.07%	0.003%
268	10.296	10.279	10.301	VV	149	1270	0.03%	0.001%
269	10.369	10.301	10.410	VV	497	12264	0.33%	0.012%
270	10.424	10.410	10.429	VV	344	3229	0.09%	0.003%
271	10.436	10.429	10.440	VV	348	2018	0.05%	0.002%
272	10.450	10.440	10.460	VV	430	4550	0.12%	0.005%
273	10.478	10.460	10.506	VV	1214	16750	0.45%	0.017%
274	10.524	10.506	10.565	VV	653	12267	0.33%	0.012%
275	10.597	10.565	10.626	VV	476	10756	0.29%	0.011%
276	10.643	10.626	10.652	VV	178	1897	0.05%	0.002%
277	10.658	10.652	10.687	VV	129	1136	0.03%	0.001%
278	10.708	10.687	10.722	PV	108	1233	0.03%	0.001%
279	10.745	10.722	10.754	VV	488	5127	0.14%	0.005%
280	10.773	10.754	10.789	VV	2222	25393	0.68%	0.025%
281	10.796	10.789	10.830	VV	735	9589	0.26%	0.009%
282	10.844	10.830	10.866	VV	439	6553	0.18%	0.006%
283	10.870	10.866	10.887	VV	264	2251	0.06%	0.002%
284	10.918	10.887	10.936	VV	373	6921	0.19%	0.007%
285	10.956	10.936	10.987	VV	347	6191	0.17%	0.006%
286	11.001	10.987	11.020	VV	180	2133	0.06%	0.002%
287	11.061	11.020	11.073	VV	280	4593	0.12%	0.005%
288	11.087	11.073	11.106	VV	288	3215	0.09%	0.003%
289	11.158	11.106	11.173	PV	361	6629	0.18%	0.007%
290	11.197	11.173	11.213	VV	1026	13540	0.36%	0.013%
291	11.227	11.213	11.267	VV	653	11498	0.31%	0.011%
292	11.307	11.267	11.351	VV	598	11319	0.30%	0.011%
293	11.382	11.351	11.389	PV	185	2288	0.06%	0.002%
294	11.417	11.389	11.449	VV	546	9080	0.24%	0.009%
295	11.484	11.449	11.505	VV	445	8235	0.22%	0.008%
296	11.520	11.505	11.524	VV	325	3240	0.09%	0.003%
297	11.531	11.524	11.547	VV	309	3271	0.09%	0.003%
298	11.575	11.547	11.591	VV	381	5997	0.16%	0.006%
299	11.606	11.591	11.629	VV	464	5779	0.16%	0.006%

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300	11.638	11.629	11.646	VV	239	1589	0.04%	0.002%
301	11.652	11.646	11.666	VV	172	1758	0.05%	0.002%
302	11.697	11.666	11.739	VV	654	16030	0.43%	0.016%
303	11.760	11.739	11.769	VV	302	4086	0.11%	0.004%
304	11.777	11.769	11.795	VV	244	2366	0.06%	0.002%
305	11.802	11.795	11.809	VV	97	407	0.01%	0.000%
306	11.836	11.809	11.854	PV	307	3884	0.10%	0.004%
307	11.887	11.854	11.920	VV	1031	21529	0.58%	0.021%
308	11.929	11.920	11.979	VV	403	7514	0.20%	0.007%
309	11.989	11.979	12.001	VV	259	2073	0.06%	0.002%
310	12.006	12.001	12.016	VV	141	922	0.02%	0.001%
311	12.050	12.016	12.077	VV	425	6291	0.17%	0.006%
312	12.142	12.077	12.184	VV	4815	66472	1.79%	0.066%
313	12.191	12.184	12.211	VV	391	5104	0.14%	0.005%
314	12.223	12.211	12.242	VV	350	4055	0.11%	0.004%
315	12.262	12.242	12.286	VV	346	6670	0.18%	0.007%
316	12.296	12.286	12.342	VV	315	7007	0.19%	0.007%
317	12.362	12.342	12.378	PV	359	4645	0.12%	0.005%
318	12.383	12.378	12.392	VV	244	2037	0.05%	0.002%
319	12.399	12.392	12.411	VV	231	2006	0.05%	0.002%
320	12.428	12.411	12.450	VV	396	6034	0.16%	0.006%
321	12.480	12.450	12.497	VV	657	11588	0.31%	0.011%
322	12.507	12.497	12.517	VV	371	3754	0.10%	0.004%
323	12.537	12.517	12.561	VV	1549	19355	0.52%	0.019%
324	12.592	12.561	12.626	VV	3489	41939	1.13%	0.042%
325	12.646	12.626	12.670	VV	232	4266	0.11%	0.004%
326	12.677	12.670	12.692	VV	136	1287	0.03%	0.001%
327	12.697	12.692	12.704	VV	126	633	0.02%	0.001%
328	12.728	12.704	12.733	PV	166	1691	0.05%	0.002%
329	12.739	12.733	12.742	VV	169	671	0.02%	0.001%
330	12.789	12.742	12.794	VV	399	7172	0.19%	0.007%
331	12.799	12.794	12.827	VV	411	5004	0.13%	0.005%
332	12.838	12.827	12.865	VV	307	3514	0.09%	0.003%
333	12.891	12.865	12.913	PV	3055	35862	0.96%	0.035%
334	12.932	12.913	12.967	VV	863	17154	0.46%	0.017%
335	12.982	12.967	13.004	VV	364	6307	0.17%	0.006%
336	13.061	13.004	13.080	VV	454	12216	0.33%	0.012%
337	13.094	13.080	13.118	VV	409	5387	0.14%	0.005%
338	13.161	13.118	13.189	PV	1845	30120	0.81%	0.030%
339	13.216	13.189	13.236	VV	6403	84785	2.28%	0.084%
340	13.243	13.236	13.279	VV	1873	30474	0.82%	0.030%
341	13.286	13.279	13.305	VV	505	6682	0.18%	0.007%
342	13.317	13.305	13.336	VV	470	7073	0.19%	0.007%
343	13.377	13.336	13.404	VV	1798	31100	0.84%	0.031%
344	13.414	13.404	13.436	VV	531	8483	0.23%	0.008%
345	13.440	13.436	13.459	VV	415	4929	0.13%	0.005%
346	13.489	13.459	13.508	VV	577	11286	0.30%	0.011%
347	13.524	13.508	13.531	VV	460	4131	0.11%	0.004%
348	13.533	13.531	13.540	VV	391	1798	0.05%	0.002%
349	13.551	13.540	13.568	VV	409	5854	0.16%	0.006%
350	13.595	13.568	13.612	VV	515	9684	0.26%	0.010%
351	13.630	13.612	13.646	VV	431	7160	0.19%	0.007%

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352	13.659	13.646	13.676	VV	423	6157	0.17%	0.006%
353	13.685	13.676	13.706	VV	375	5336	0.14%	0.005%
354	13.760	13.706	13.782	VV	1108	25979	0.70%	0.026%
355	13.796	13.782	13.819	VV	393	4986	0.13%	0.005%
356	13.855	13.819	13.862	PV	340	5186	0.14%	0.005%
357	13.895	13.862	13.918	VV	1873	30167	0.81%	0.030%
358	13.936	13.918	13.984	VV	910	21586	0.58%	0.021%
359	14.014	13.984	14.040	VV	339	7040	0.19%	0.007%
360	14.066	14.040	14.071	PV	290	3354	0.09%	0.003%
361	14.100	14.071	14.118	VV	401	7999	0.22%	0.008%
362	14.155	14.118	14.169	VV	367	8558	0.23%	0.008%
363	14.217	14.169	14.235	VV	670	12594	0.34%	0.012%
364	14.256	14.235	14.275	VV	372	6131	0.16%	0.006%
365	14.303	14.275	14.317	PV	611	7566	0.20%	0.007%
366	14.335	14.317	14.353	VV	721	10766	0.29%	0.011%
367	14.358	14.353	14.376	VV	397	4149	0.11%	0.004%
368	14.398	14.376	14.421	VV	445	8125	0.22%	0.008%
369	14.463	14.421	14.486	VV	584	11089	0.30%	0.011%
370	14.519	14.486	14.534	PV	370	5386	0.14%	0.005%
371	14.562	14.534	14.571	VV	407	6479	0.17%	0.006%
372	14.581	14.571	14.601	VV	392	4399	0.12%	0.004%
373	14.639	14.601	14.667	PV	4148	60478	1.63%	0.060%
374	14.682	14.667	14.706	PV	439	6056	0.16%	0.006%
375	14.771	14.706	14.796	VV	1653	34605	0.93%	0.034%
376	14.810	14.796	14.831	VV	1670	22279	0.60%	0.022%
377	14.847	14.831	14.859	VV	605	8865	0.24%	0.009%
378	14.864	14.859	14.871	VV	572	3998	0.11%	0.004%
379	14.888	14.871	14.916	VV	1069	16188	0.44%	0.016%
380	14.937	14.916	14.960	VV	708	11168	0.30%	0.011%
381	14.977	14.960	14.984	VV	482	4682	0.13%	0.005%
382	15.004	14.984	15.025	VV	318	5790	0.16%	0.006%
383	15.041	15.025	15.062	PV	454	5531	0.15%	0.005%
384	15.074	15.062	15.081	VV	524	3880	0.10%	0.004%
385	15.088	15.081	15.097	VV	612	4900	0.13%	0.005%
386	15.102	15.097	15.119	VV	509	3667	0.10%	0.004%
387	15.143	15.119	15.156	VV	260	3765	0.10%	0.004%
388	15.167	15.156	15.175	PV	263	1569	0.04%	0.002%
389	15.230	15.175	15.261	VV	3194	57303	1.54%	0.057%
390	15.278	15.261	15.301	VV	620	9677	0.26%	0.010%
391	15.324	15.301	15.332	VV	439	4743	0.13%	0.005%
392	15.340	15.332	15.349	VV	437	3469	0.09%	0.003%
393	15.365	15.349	15.394	VV	760	13357	0.36%	0.013%
394	15.440	15.394	15.468	VV	1416	32110	0.86%	0.032%
395	15.498	15.468	15.525	VV	830	14550	0.39%	0.014%
396	15.548	15.525	15.556	PV	343	3349	0.09%	0.003%
397	15.591	15.556	15.596	VV	700	10810	0.29%	0.011%
398	15.617	15.596	15.646	VV	937	16902	0.45%	0.017%
399	15.688	15.646	15.700	VV	794	13703	0.37%	0.014%
400	15.754	15.700	15.765	VV	767	20548	0.55%	0.020%
401	15.773	15.765	15.776	VV	581	3596	0.10%	0.004%
402	15.779	15.776	15.789	VV	550	3025	0.08%	0.003%
403	15.873	15.789	15.880	VV	1024	30235	0.81%	0.030%
404	15.928	15.880	15.944	VV	865	31862	0.86%	0.032%

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405	15.950	15.944	15.952	VV	570	2276	0.06%	0.002%
406	15.956	15.952	15.960	VV	590	2192	0.06%	0.002%
407	15.985	15.960	15.989	VV	393	6049	0.16%	0.006%
408	16.005	15.989	16.011	VV	724	7007	0.19%	0.007%
409	16.067	16.011	16.106	VV	2677	71606	1.93%	0.071%
410	16.163	16.106	16.182	VV	1539	38820	1.04%	0.038%
411	16.245	16.182	16.281	VV	1660	60876	1.64%	0.060%
412	16.329	16.281	16.334	PV	2427	35859	0.96%	0.035%
413	16.343	16.334	16.349	VV	2331	19045	0.51%	0.019%
414	16.352	16.349	16.377	VV	2132	22333	0.60%	0.022%
415	16.476	16.377	16.494	VV	3293	100160	2.69%	0.099%
416	16.501	16.494	16.505	VV	1870	11665	0.31%	0.012%
417	16.516	16.505	16.537	VV	2075	31868	0.86%	0.032%
418	16.570	16.537	16.582	VV	1910	44669	1.20%	0.044%
419	16.655	16.582	16.669	VV	2765	103708	2.79%	0.103%
420	16.707	16.669	16.722	VV	2958	77703	2.09%	0.077%
421	16.767	16.722	16.773	VV	2667	67046	1.80%	0.066%
422	16.814	16.773	16.827	VV	5203	129305	3.48%	0.128%
423	16.842	16.827	16.883	VV	5214	130989	3.52%	0.130%
424	16.914	16.883	16.919	VV	3621	67902	1.83%	0.067%
425	16.935	16.919	16.974	VV	3697	101720	2.74%	0.101%
426	17.061	16.974	17.092	VV	10111	353991	9.52%	0.350%
427	17.137	17.092	17.157	VV	6874	196084	5.27%	0.194%
428	17.165	17.157	17.173	VV	5328	47295	1.27%	0.047%
429	17.189	17.173	17.194	VV	5022	58044	1.56%	0.057%
430	17.237	17.194	17.264	VV	8849	261136	7.02%	0.258%
431	17.269	17.264	17.275	VV	4880	30563	0.82%	0.030%
432	17.289	17.275	17.296	VV	4767	58285	1.57%	0.058%
433	17.313	17.296	17.327	VV	5243	91382	2.46%	0.090%
434	17.385	17.327	17.414	VV	8218	299024	8.04%	0.296%
435	17.440	17.414	17.458	VV	5683	135796	3.65%	0.134%
436	17.475	17.458	17.509	VV	5819	156658	4.21%	0.155%
437	17.538	17.509	17.544	VV	6413	113018	3.04%	0.112%
438	17.554	17.544	17.581	VV	6703	131016	3.52%	0.130%
439	17.604	17.581	17.629	VV	7411	182480	4.91%	0.181%
440	17.651	17.629	17.657	VV	6725	103827	2.79%	0.103%
441	17.679	17.657	17.689	VV	8476	146328	3.93%	0.145%
442	17.706	17.689	17.729	VV	9811	200826	5.40%	0.199%
443	17.751	17.729	17.769	VV	9066	186881	5.03%	0.185%
444	17.787	17.769	17.802	VV	8711	160403	4.31%	0.159%
445	17.853	17.802	17.929	VV	18845	870990	23.42%	0.862%
446	17.978	17.929	17.988	VV	9910	318601	8.57%	0.315%
447	17.993	17.988	18.014	VV	9805	143259	3.85%	0.142%
448	18.061	18.014	18.069	VV	12712	357687	9.62%	0.354%
449	18.080	18.069	18.099	VV	12722	216397	5.82%	0.214%
450	18.127	18.099	18.149	VV	11209	312876	8.41%	0.310%
451	18.177	18.149	18.195	VV	12502	316329	8.51%	0.313%
452	18.221	18.195	18.248	VV	27442	565386	15.20%	0.560%
453	18.252	18.248	18.264	VV	11692	106390	2.86%	0.105%
454	18.285	18.264	18.294	VV	11948	200760	5.40%	0.199%
455	18.300	18.294	18.312	VV	11595	115851	3.12%	0.115%
456	18.338	18.312	18.347	VV	12776	243315	6.54%	0.241%

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457	18.374	18.347	18.399	VV	14193	393833	10.59%	0.390%
458	18.429	18.399	18.449	VV	14553	393191	10.57%	0.389%
459	18.461	18.449	18.467	VV	12749	135603	3.65%	0.134%
460	18.508	18.467	18.514	VV	13949	364430	9.80%	0.361%
461	18.538	18.514	18.576	VV	16142	544710	14.65%	0.539%
462	18.599	18.576	18.614	VV	15712	336472	9.05%	0.333%
463	18.642	18.614	18.663	VV	20649	500684	13.46%	0.496%
464	18.694	18.663	18.727	VV	21208	673107	18.10%	0.666%
465	18.791	18.727	18.801	VV	18360	740423	19.91%	0.733%
466	18.825	18.801	18.841	VV	19994	449752	12.09%	0.445%
467	18.861	18.841	18.872	VV	18928	347697	9.35%	0.344%
468	18.904	18.872	18.909	VV	20027	420052	11.30%	0.416%
469	18.913	18.909	18.916	VV	19872	78203	2.10%	0.077%
470	18.943	18.916	18.954	VV	23910	513611	13.81%	0.508%
471	18.976	18.954	19.014	VV	25771	826420	22.22%	0.818%
472	19.052	19.014	19.076	VV	26336	913738	24.57%	0.904%
473	19.087	19.076	19.090	VV	23737	203402	5.47%	0.201%
474	19.102	19.090	19.126	VV	24624	509412	13.70%	0.504%
475	19.131	19.126	19.138	VV	23885	171525	4.61%	0.170%
476	19.177	19.138	19.195	VV	24126	804592	21.64%	0.796%
477	19.235	19.195	19.241	VV	23988	649778	17.47%	0.643%
478	19.291	19.241	19.299	VV	26969	873173	23.48%	0.864%
479	19.360	19.299	19.395	VV	32236	1711576	46.03%	1.694%
480	19.410	19.395	19.417	VV	30530	395119	10.63%	0.391%
481	19.450	19.417	19.471	VV	32749	1021933	27.48%	1.012%
482	19.551	19.471	19.560	VV	33508	1722132	46.31%	1.705%
483	19.569	19.560	19.579	VV	33414	357591	9.62%	0.354%
484	19.617	19.579	19.623	VV	36592	930757	25.03%	0.921%
485	19.631	19.623	19.637	VV	36760	322973	8.68%	0.320%
486	19.646	19.637	19.651	VV	37193	296401	7.97%	0.293%
487	19.684	19.651	19.699	VV	40411	1122771	30.19%	1.111%
488	19.704	19.699	19.719	VV	40238	492734	13.25%	0.488%
489	19.752	19.719	19.794	VV	41748	1788399	48.09%	1.770%
490	19.807	19.794	19.819	VV	39591	591404	15.90%	0.585%
491	19.861	19.819	19.872	VV	41134	1284837	34.55%	1.272%
492	19.880	19.872	19.897	VV	40628	605559	16.28%	0.599%
493	19.939	19.897	19.951	VV	43045	1337040	35.95%	1.323%
494	19.976	19.951	19.992	VV	46076	1093121	29.39%	1.082%
495	20.024	19.992	20.034	VV	47662	1159083	31.17%	1.147%
496	20.106	20.034	20.111	VV	52559	2295161	61.72%	2.272%
497	20.116	20.111	20.121	VV	53427	328053	8.82%	0.325%
498	20.138	20.121	20.153	VV	54213	1018979	27.40%	1.009%
499	20.183	20.153	20.187	VV	54973	1114063	29.96%	1.103%
500	20.198	20.187	20.204	VV	56094	553381	14.88%	0.548%
501	20.246	20.204	20.256	VV	56713	1724830	46.38%	1.707%
502	20.295	20.256	20.303	VV	58764	1637933	44.05%	1.621%
503	20.386	20.303	20.403	VV	65301	3718761	100.00%	3.681%
504	20.415	20.403	20.455	VV	65472	1985607	53.39%	1.965%
505	20.464	20.455	20.510	VV	60582	1907661	51.30%	1.888%
506	20.539	20.510	20.549	VV	59259	1366149	36.74%	1.352%
507	20.577	20.549	20.596	VV	61228	1667843	44.85%	1.651%
508	20.601	20.596	20.614	VV	59545	640346	17.22%	0.634%
509	20.629	20.614	20.641	VV	59489	984261	26.47%	0.974%

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510	20.650	20.641	20.661	VV	58602	693152	18.64%	0.686%
511	20.665	20.661	20.717	VV	57686	1833158	49.29%	1.814%
512	20.722	20.717	20.729	VV	52743	366443	9.85%	0.363%
513	20.731	20.729	20.742	VV	52475	394164	10.60%	0.390%
514	20.750	20.742	20.774	VV	52575	991430	26.66%	0.981%
515	20.799	20.774	20.811	VV	51680	1122880	30.19%	1.111%
516	20.814	20.811	20.829	VV	51220	543986	14.63%	0.538%
517	20.897	20.829	20.918	VV	57116	2918839	78.49%	2.889%
518	20.922	20.918	20.962	VV	55476	1411627	37.96%	1.397%
519	20.988	20.962	20.994	VV	51328	963706	25.91%	0.954%
520	21.020	20.994	21.031	VV	53256	1163036	31.27%	1.151%
521	21.035	21.031	21.076	VV	51757	1353897	36.41%	1.340%
522	21.079	21.076	21.096	VV	49591	579220	15.58%	0.573%
523	21.102	21.096	21.122	VV	48467	755188	20.31%	0.747%
524	21.143	21.122	21.148	VV	46357	710166	19.10%	0.703%
525	21.151	21.148	21.188	VV	45985	1080255	29.05%	1.069%
526	21.202	21.188	21.207	VV	44555	497724	13.38%	0.493%
527	21.212	21.207	21.221	VV	44193	357554	9.61%	0.354%
528	21.223	21.221	21.232	VV	43618	281263	7.56%	0.278%
529	21.296	21.232	21.311	VV	47601	2156849	58.00%	2.135%
530	21.319	21.311	21.402	VV	46556	2377062	63.92%	2.353%
531	21.408	21.402	21.417	VV	41195	364460	9.80%	0.361%
532	21.422	21.417	21.463	VV	40206	1055854	28.39%	1.045%
533	21.469	21.463	21.474	VV	37883	263393	7.08%	0.261%
534	21.521	21.474	21.532	VV	39041	1328818	35.73%	1.315%
535	21.540	21.532	21.601	VV	38842	1527566	41.08%	1.512%
536	21.623	21.601	21.637	VV	35685	762476	20.50%	0.755%
537	21.685	21.637	21.793	VV	37085	2958987	79.57%	2.929%
538	21.913	21.793	21.921	VV	34230	2258150	60.72%	2.235%
539	21.929	21.921	21.936	VV	33917	303296	8.16%	0.300%
540	21.943	21.936	22.012	VV	33633	1404791	37.78%	1.390%
541	22.018	22.012	22.033	VV	28649	352306	9.47%	0.349%
542	22.050	22.033	22.147	VV	28146	1696764	45.63%	1.679%
543	22.160	22.147	22.167	VV	20515	244926	6.59%	0.242%
544	22.179	22.167	22.186	VV	19890	226374	6.09%	0.224%
545	22.199	22.186	22.204	VV	20440	210567	5.66%	0.208%
546	22.209	22.204	22.213	VV	20535	116563	3.13%	0.115%
547	22.223	22.213	22.239	VV	21253	319740	8.60%	0.316%
548	22.242	22.239	22.274	VV	20389	406182	10.92%	0.402%
549	22.283	22.274	22.287	VV	18749	142937	3.84%	0.141%
550	22.300	22.287	22.312	VV	19844	295296	7.94%	0.292%
551	22.318	22.312	22.327	VV	19815	174098	4.68%	0.172%
552	22.340	22.327	22.347	VV	19857	220475	5.93%	0.218%
553	22.358	22.347	22.365	VV	19155	201464	5.42%	0.199%
554	22.369	22.365	22.413	VV	17763	451893	12.15%	0.447%
555	22.420	22.413	22.434	VV	13227	157055	4.22%	0.155%
556	22.445	22.434	22.449	VV	12497	110099	2.96%	0.109%
557	22.470	22.449	22.476	VV	13400	207404	5.58%	0.205%
558	22.494	22.476	22.499	VV	14401	191036	5.14%	0.189%
559	22.535	22.499	22.548	VV	15801	441255	11.87%	0.437%
560	22.555	22.548	22.581	VV	15443	278770	7.50%	0.276%
561	22.587	22.581	22.606	VV	12675	178655	4.80%	0.177%

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562	22.611	22.606	22.616	VV	11420	67410	1.81%	0.067%	
563	22.620	22.616	22.626	VV	11405	67731	1.82%	0.067%	
564	22.658	22.626	22.665	VV	13026	274428	7.38%	0.272%	
					Sum of corrected areas:	101030317			

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