

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG071825\
 Data File : FG016331.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jul 2025 10:26
 Sample : Q2592-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG070925.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.512	1.497	1.540	BV	13333	288909	3.13%	0.087%
2	1.567	1.540	1.585	VV	12420	304936	3.30%	0.092%
3	1.597	1.585	1.626	VV	11447	247106	2.68%	0.074%
4	1.653	1.626	1.697	VV	8693	319127	3.46%	0.096%
5	1.712	1.697	1.735	VV	7505	143893	1.56%	0.043%
6	1.751	1.735	1.776	VV	6467	146054	1.58%	0.044%
7	1.796	1.776	1.860	VV	10130	311777	3.38%	0.094%
8	1.881	1.860	1.928	VV	12270	236262	2.56%	0.071%
9	1.944	1.928	1.975	VB	2136	39240	0.42%	0.012%
10	2.267	2.251	2.279	BV	2121	21407	0.23%	0.006%
11	2.295	2.279	2.372	VB	9820	160691	1.74%	0.048%
12	2.471	2.432	2.498	PV	1480	23460	0.25%	0.007%
13	2.700	2.599	2.748	BB	2252	44445	0.48%	0.013%
14	2.819	2.771	2.864	BB	3703	67359	0.73%	0.020%
15	2.889	2.869	2.910	BV	2075	24468	0.26%	0.007%
16	3.034	2.989	3.077	PV	341145	4032346	43.67%	1.211%
17	3.092	3.077	3.110	VV	2477	37740	0.41%	0.011%
18	3.132	3.110	3.175	VV	7978	120918	1.31%	0.036%
19	3.245	3.212	3.297	BV	2938	57590	0.62%	0.017%
20	3.314	3.297	3.341	PV	5563	55814	0.60%	0.017%
21	3.392	3.364	3.412	BV	1393	21863	0.24%	0.007%
22	3.523	3.490	3.545	BV	3747	47654	0.52%	0.014%
23	3.567	3.545	3.590	VV	2098	29463	0.32%	0.009%
24	3.650	3.590	3.668	VV	3530	84709	0.92%	0.025%
25	3.681	3.668	3.707	VV	2881	46692	0.51%	0.014%
26	3.746	3.707	3.780	VV	26732	348749	3.78%	0.105%
27	3.792	3.780	3.811	VV	2455	35104	0.38%	0.011%
28	3.825	3.811	3.832	VV	2418	24773	0.27%	0.007%
29	3.851	3.832	3.879	VV	8717	138462	1.50%	0.042%
30	3.897	3.879	3.914	VV	4255	58974	0.64%	0.018%
31	3.992	3.960	4.061	VB	5880	125811	1.36%	0.038%
32	4.218	4.169	4.266	BV	28001	580048	6.28%	0.174%
33	4.299	4.266	4.355	VV	17658	515763	5.59%	0.155%
34	4.383	4.355	4.415	VV	12407	265087	2.87%	0.080%
35	4.431	4.415	4.457	VV	10098	162716	1.76%	0.049%
36	4.470	4.457	4.489	VV	4633	77348	0.84%	0.023%

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37	4.584	4.575	4.602	VV	7234	84875	0.92%	0.025%
38	4.610	4.602	4.644	VV	4840	79919	0.87%	0.024%
39	4.670	4.644	4.677	VV	4640	59270	0.64%	0.018%
40	4.689	4.677	4.701	VV	5738	72414	0.78%	0.022%
41	4.707	4.701	4.724	VV	4326	48069	0.52%	0.014%
42	4.744	4.724	4.772	VV	4328	89920	0.97%	0.027%
43	4.791	4.772	4.812	VV	3794	64497	0.70%	0.019%
44	4.836	4.812	4.854	VV	12132	164187	1.78%	0.049%
45	4.864	4.854	4.891	VV	4972	78041	0.85%	0.023%
46	4.961	4.943	4.974	VV	4529	68479	0.74%	0.021%
47	4.981	4.974	5.000	VV	3720	40686	0.44%	0.012%
48	5.030	5.000	5.056	VV	78096	820845	8.89%	0.247%
49	5.070	5.056	5.108	VV	9378	114276	1.24%	0.034%
50	5.138	5.108	5.160	PV	2523	40418	0.44%	0.012%
51	5.326	5.255	5.370	BV	201580	1988664	21.54%	0.597%
52	5.418	5.370	5.455	VV	11138	237757	2.57%	0.071%
53	5.491	5.455	5.514	VV	6896	115112	1.25%	0.035%
54	5.616	5.597	5.644	VV	9991	114599	1.24%	0.034%
55	5.692	5.676	5.707	VV	2493	21843	0.24%	0.007%
56	5.722	5.707	5.746	PV	11414	113988	1.23%	0.034%
57	5.813	5.789	5.876	VV	19230	255191	2.76%	0.077%
58	5.922	5.876	5.959	VV	15780	279355	3.03%	0.084%
59	5.965	5.959	5.979	VV	2752	29941	0.32%	0.009%
60	6.010	5.979	6.030	VV	5371	115370	1.25%	0.035%
61	6.045	6.030	6.066	VV	6967	84598	0.92%	0.025%
62	6.083	6.066	6.102	VV	4470	60300	0.65%	0.018%
63	6.144	6.102	6.162	VV	5829	115270	1.25%	0.035%
64	6.243	6.210	6.309	VV	90916	2044008	22.14%	0.614%
65	6.319	6.309	6.337	VV	12095	187240	2.03%	0.056%
66	6.349	6.337	6.377	VV	12083	248087	2.69%	0.075%
67	6.393	6.377	6.412	VV	19261	278170	3.01%	0.084%
68	6.435	6.412	6.480	VV	21872	471990	5.11%	0.142%
69	6.494	6.480	6.527	VV	6344	124705	1.35%	0.037%
70	6.560	6.527	6.595	VV	9454	179558	1.94%	0.054%
71	6.621	6.595	6.670	VV	99918	1171052	12.68%	0.352%
72	6.692	6.670	6.724	VV	19286	310976	3.37%	0.093%
73	6.740	6.724	6.759	VV	9249	131730	1.43%	0.040%
74	6.769	6.759	6.800	VV	4840	98119	1.06%	0.029%
75	6.812	6.800	6.831	VV	3980	57364	0.62%	0.017%
76	6.851	6.831	6.901	VV	14507	220553	2.39%	0.066%
77	6.928	6.901	6.955	VV	5436	92780	1.00%	0.028%
78	6.976	6.955	6.994	VV	7112	77772	0.84%	0.023%
79	7.010	6.994	7.030	VV	3707	55419	0.60%	0.017%
80	7.046	7.030	7.067	VV	3334	50361	0.55%	0.015%
81	7.112	7.091	7.128	VV	2475	35105	0.38%	0.011%
82	7.140	7.128	7.157	VV	2240	23598	0.26%	0.007%
83	7.177	7.157	7.194	PV	4294	56345	0.61%	0.017%
84	7.207	7.194	7.231	VV	3574	49732	0.54%	0.015%
85	7.249	7.231	7.284	VV	3620	41510	0.45%	0.012%
86	7.309	7.284	7.334	VV	30752	299908	3.25%	0.090%
87	7.369	7.334	7.418	VV	25658	684524	7.41%	0.206%
88	7.445	7.418	7.458	VV	12135	199624	2.16%	0.060%
89	7.478	7.458	7.521	VV	71015	996762	10.79%	0.299%

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90	7.529	7.521	7.590	VV	6943	163192	1.77%	0.049%
91	7.634	7.609	7.651	VV	6147	81851	0.89%	0.025%
92	7.671	7.651	7.689	VV	6004	74237	0.80%	0.022%
93	7.702	7.689	7.723	VB	2779	35339	0.38%	0.011%
94	7.755	7.735	7.778	BV	3043	35595	0.39%	0.011%
95	7.805	7.778	7.820	PV	10773	113962	1.23%	0.034%
96	7.850	7.820	7.923	VV	16623	393733	4.26%	0.118%
97	7.940	7.923	7.965	VV	3048	46468	0.50%	0.014%
98	8.016	7.987	8.069	VB	3977	66454	0.72%	0.020%
99	8.098	8.070	8.128	BV	13036	149269	1.62%	0.045%
100	8.171	8.128	8.204	PV	3848	78198	0.85%	0.023%
101	8.243	8.204	8.257	PV	17731	234561	2.54%	0.070%
102	8.269	8.257	8.288	VV	16517	181348	1.96%	0.054%
103	8.302	8.288	8.333	VV	3606	51418	0.56%	0.015%
104	8.422	8.393	8.440	VB	2534	39946	0.43%	0.012%
105	8.467	8.451	8.481	BV	2445	20381	0.22%	0.006%
106	8.509	8.481	8.524	PV	5960	92434	1.00%	0.028%
107	8.535	8.524	8.563	VV	3550	66060	0.72%	0.020%
108	8.585	8.563	8.608	VV	8660	138519	1.50%	0.042%
109	8.621	8.608	8.638	VV	4238	53241	0.58%	0.016%
110	8.658	8.638	8.677	VV	7338	107379	1.16%	0.032%
111	8.698	8.677	8.737	VV	13591	262670	2.84%	0.079%
112	8.754	8.737	8.770	VV	13379	147461	1.60%	0.044%
113	8.809	8.770	8.885	VV	17774	449790	4.87%	0.135%
114	8.902	8.885	8.918	VV	3485	48665	0.53%	0.015%
115	9.075	9.020	9.094	PV	13776	198517	2.15%	0.060%
116	9.108	9.094	9.125	VV	8761	100103	1.08%	0.030%
117	9.139	9.125	9.150	VV	3646	43977	0.48%	0.013%
118	9.170	9.150	9.200	VV	7108	135516	1.47%	0.041%
119	9.239	9.200	9.266	VV	4463	116984	1.27%	0.035%
120	9.286	9.266	9.306	VV	5908	69994	0.76%	0.021%
121	9.329	9.306	9.363	VV	7517	165655	1.79%	0.050%
122	9.384	9.363	9.410	VV	9389	150760	1.63%	0.045%
123	9.436	9.410	9.449	VV	6828	110188	1.19%	0.033%
124	9.460	9.449	9.491	VV	7317	94921	1.03%	0.029%
125	9.525	9.491	9.544	PV	9569	139710	1.51%	0.042%
126	9.557	9.544	9.598	VV	6512	120630	1.31%	0.036%
127	9.620	9.598	9.634	VV	3408	50640	0.55%	0.015%
128	9.641	9.634	9.661	VV	2788	35846	0.39%	0.011%
129	9.682	9.661	9.697	VV	4305	66126	0.72%	0.020%
130	9.711	9.697	9.734	VV	4955	85244	0.92%	0.026%
131	9.761	9.734	9.782	VV	3194	72307	0.78%	0.022%
132	9.798	9.782	9.839	VV	3311	55893	0.61%	0.017%
133	9.874	9.839	9.892	PV	39732	495531	5.37%	0.149%
134	9.905	9.892	9.939	VV	11771	198246	2.15%	0.060%
135	9.971	9.939	10.016	VV	12627	262067	2.84%	0.079%
136	10.028	10.016	10.036	VV	1977	17364	0.19%	0.005%
137	10.051	10.036	10.076	VV	3395	41247	0.45%	0.012%
138	10.128	10.076	10.136	PV	56719	581140	6.29%	0.175%
139	10.151	10.136	10.169	VV	131141	1476707	15.99%	0.444%
140	10.184	10.169	10.212	VV	80105	826766	8.95%	0.248%
141	10.234	10.212	10.249	VV	6787	108176	1.17%	0.033%

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142	10.270	10.249	10.296	VV	16942	272142	2.95%	0.082%
143	10.319	10.296	10.345	VV	14229	274541	2.97%	0.082%
144	10.353	10.345	10.360	VV	5423	44982	0.49%	0.014%
145	10.376	10.360	10.411	VV	9586	157433	1.70%	0.047%
146	10.424	10.411	10.434	VV	1426	14040	0.15%	0.004%
147	10.445	10.434	10.456	VV	1350	9320	0.10%	0.003%
148	10.472	10.456	10.481	PV	1622	10960	0.12%	0.003%
149	10.519	10.481	10.537	VV	4029	75966	0.82%	0.023%
150	10.549	10.537	10.562	VV	1816	15520	0.17%	0.005%
151	10.592	10.562	10.608	PV	6518	66781	0.72%	0.020%
152	10.653	10.608	10.669	VV	110648	1359485	14.72%	0.408%
153	10.675	10.669	10.719	VV	35999	620467	6.72%	0.186%
154	10.730	10.719	10.746	VV	8322	117377	1.27%	0.035%
155	10.763	10.746	10.787	VV	7498	140128	1.52%	0.042%
156	10.849	10.787	10.872	VV	24363	527504	5.71%	0.158%
157	10.881	10.872	10.892	VV	7335	77311	0.84%	0.023%
158	10.911	10.892	10.934	VV	31093	389399	4.22%	0.117%
159	10.972	10.934	10.988	VV	51429	774840	8.39%	0.233%
160	11.001	10.988	11.015	VV	30761	365652	3.96%	0.110%
161	11.045	11.015	11.072	VV	29605	670613	7.26%	0.201%
162	11.110	11.072	11.114	VV	25337	359596	3.89%	0.108%
163	11.132	11.114	11.149	VV	27483	469205	5.08%	0.141%
164	11.169	11.149	11.182	VV	38696	532459	5.77%	0.160%
165	11.190	11.182	11.212	VV	28371	372086	4.03%	0.112%
166	11.235	11.212	11.256	VV	47660	608955	6.59%	0.183%
167	11.293	11.256	11.306	VV	33838	579418	6.27%	0.174%
168	11.325	11.306	11.343	VV	134414	1591755	17.24%	0.478%
169	11.354	11.343	11.376	VV	31161	400188	4.33%	0.120%
170	11.401	11.376	11.433	VV	55194	1016943	11.01%	0.306%
171	11.465	11.433	11.489	VV	15219	317705	3.44%	0.095%
172	11.508	11.489	11.534	VV	17636	231105	2.50%	0.069%
173	11.584	11.534	11.592	PV	6566	175086	1.90%	0.053%
174	11.619	11.592	11.644	VV	18189	281806	3.05%	0.085%
175	11.680	11.644	11.716	PV	13802	328090	3.55%	0.099%
176	11.734	11.716	11.744	VV	7335	81207	0.88%	0.024%
177	11.800	11.744	11.826	VV	37093	990266	10.72%	0.298%
178	11.853	11.826	11.872	VV	32721	624822	6.77%	0.188%
179	11.888	11.872	11.912	VV	21920	362112	3.92%	0.109%
180	11.932	11.912	11.948	VV	14077	196233	2.13%	0.059%
181	11.989	11.948	12.008	VV	25975	543742	5.89%	0.163%
182	12.016	12.008	12.029	VV	15825	175777	1.90%	0.053%
183	12.048	12.029	12.077	VV	26272	467220	5.06%	0.140%
184	12.133	12.077	12.145	VV	19955	369442	4.00%	0.111%
185	12.166	12.145	12.216	VV	41796	962107	10.42%	0.289%
186	12.255	12.216	12.269	VV	27864	610227	6.61%	0.183%
187	12.291	12.269	12.334	VV	51088	1233249	13.36%	0.371%
188	12.367	12.334	12.372	VV	14955	297003	3.22%	0.089%
189	12.398	12.372	12.428	VV	22160	587452	6.36%	0.176%
190	12.451	12.428	12.467	VV	27999	524099	5.68%	0.157%
191	12.472	12.467	12.479	VV	24712	151347	1.64%	0.045%
192	12.496	12.479	12.522	VV	39903	674074	7.30%	0.203%
193	12.544	12.522	12.587	VV	58159	1489683	16.13%	0.448%
194	12.613	12.587	12.639	VV	42480	1087527	11.78%	0.327%

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195	12.657	12.639	12.674	VV	36596	628449	6.81%	0.189%
196	12.728	12.674	12.772	VV	297899	5806815	62.88%	1.745%
197	12.787	12.772	12.799	VV	30557	438621	4.75%	0.132%
198	12.802	12.799	12.806	VV	27265	114425	1.24%	0.034%
199	12.827	12.806	12.832	VV	32600	455718	4.94%	0.137%
200	12.843	12.832	12.872	VV	35541	741536	8.03%	0.223%
201	12.886	12.872	12.909	VV	33462	576667	6.24%	0.173%
202	12.931	12.909	12.946	VV	32749	616066	6.67%	0.185%
203	12.996	12.946	13.010	VV	52552	1420981	15.39%	0.427%
204	13.016	13.010	13.025	VV	45420	390320	4.23%	0.117%
205	13.041	13.025	13.067	VV	46259	1004124	10.87%	0.302%
206	13.092	13.067	13.111	VV	63894	1229406	13.31%	0.369%
207	13.119	13.111	13.140	VV	47727	751116	8.13%	0.226%
208	13.171	13.140	13.191	VV	336571	4468597	48.39%	1.343%
209	13.209	13.191	13.243	VV	73195	1664045	18.02%	0.500%
210	13.266	13.243	13.282	VV	49504	1067340	11.56%	0.321%
211	13.302	13.282	13.332	VV	67240	1581604	17.13%	0.475%
212	13.354	13.332	13.382	VV	70312	1603160	17.36%	0.482%
213	13.387	13.382	13.397	VV	38854	324241	3.51%	0.097%
214	13.421	13.397	13.447	VV	74864	1682981	18.23%	0.506%
215	13.473	13.447	13.514	VV	301491	4964956	53.77%	1.492%
216	13.527	13.514	13.542	VV	56846	866688	9.39%	0.260%
217	13.561	13.542	13.599	VV	64276	1541190	16.69%	0.463%
218	13.624	13.599	13.653	VV	57852	1423666	15.42%	0.428%
219	13.680	13.653	13.720	VV	64107	1849332	20.03%	0.556%
220	13.763	13.720	13.794	VV	404325	9234105	100.00%	2.774%
221	13.799	13.794	13.822	VV	157691	2149202	23.27%	0.646%
222	13.831	13.822	13.853	VV	105248	1589230	17.21%	0.477%
223	13.870	13.853	13.889	VV	64069	1240000	13.43%	0.373%
224	13.893	13.889	13.905	VV	51303	406894	4.41%	0.122%
225	13.966	13.905	13.999	VV	241481	5475306	59.29%	1.645%
226	14.021	13.999	14.050	VV	63657	1656181	17.94%	0.498%
227	14.064	14.050	14.083	VV	69026	1201096	13.01%	0.361%
228	14.090	14.083	14.132	VV	60586	1273050	13.79%	0.382%
229	14.173	14.132	14.190	VV	54846	1523209	16.50%	0.458%
230	14.216	14.190	14.247	VV	120337	2505363	27.13%	0.753%
231	14.262	14.247	14.277	VV	60489	867638	9.40%	0.261%
232	14.280	14.277	14.286	VV	40892	211830	2.29%	0.064%
233	14.313	14.286	14.334	VV	57545	1372718	14.87%	0.412%
234	14.345	14.334	14.372	VV	56429	1013001	10.97%	0.304%
235	14.386	14.372	14.400	VV	47228	670703	7.26%	0.202%
236	14.419	14.400	14.440	VV	62868	1133699	12.28%	0.341%
237	14.467	14.440	14.501	VV	57083	1537830	16.65%	0.462%
238	14.530	14.501	14.579	VV	48751	1770286	19.17%	0.532%
239	14.601	14.579	14.621	VV	46876	936091	10.14%	0.281%
240	14.650	14.621	14.659	VV	36624	700357	7.58%	0.210%
241	14.679	14.659	14.690	VV	44530	727305	7.88%	0.219%
242	14.727	14.690	14.748	VV	65641	1713068	18.55%	0.515%
243	14.768	14.748	14.782	VV	54159	916505	9.93%	0.275%
244	14.789	14.782	14.797	VV	48281	403089	4.37%	0.121%
245	14.806	14.797	14.829	VV	63096	982303	10.64%	0.295%
246	14.842	14.829	14.881	VV	50107	1334155	14.45%	0.401%

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247	14.894	14.881	14.932	VV	45530	1127482	12.21%	0.339%
248	14.990	14.932	15.018	VV	66793	2231510	24.17%	0.670%
249	15.026	15.018	15.032	VV	42426	327012	3.54%	0.098%
250	15.053	15.032	15.079	VV	82311	1601731	17.35%	0.481%
251	15.115	15.079	15.141	VV	76212	1904358	20.62%	0.572%
252	15.219	15.141	15.262	VV	137466	5069656	54.90%	1.523%
253	15.268	15.262	15.302	VV	49710	1031466	11.17%	0.310%
254	15.310	15.302	15.315	VV	41190	276108	2.99%	0.083%
255	15.326	15.315	15.340	VV	58348	673862	7.30%	0.202%
256	15.375	15.340	15.393	VV	233113	4129763	44.72%	1.241%
257	15.416	15.393	15.456	VV	264657	4394533	47.59%	1.320%
258	15.463	15.456	15.473	VV	31838	297889	3.23%	0.089%
259	15.482	15.473	15.489	VV	33079	291589	3.16%	0.088%
260	15.499	15.489	15.508	VV	38036	368554	3.99%	0.111%
261	15.511	15.508	15.517	VV	38262	186834	2.02%	0.056%
262	15.535	15.517	15.541	VV	57479	669874	7.25%	0.201%
263	15.545	15.541	15.558	VV	55981	466326	5.05%	0.140%
264	15.565	15.558	15.581	VV	48493	563970	6.11%	0.169%
265	15.613	15.581	15.645	VV	109937	2492527	26.99%	0.749%
266	15.679	15.645	15.711	VV	96657	2280389	24.70%	0.685%
267	15.720	15.711	15.759	VV	53395	1145321	12.40%	0.344%
268	15.780	15.759	15.784	VV	36109	462932	5.01%	0.139%
269	15.809	15.784	15.887	VV	77011	2867200	31.05%	0.861%
270	15.901	15.887	15.924	VV	35482	627081	6.79%	0.188%
271	15.975	15.924	16.011	VV	355962	6029759	65.30%	1.812%
272	16.015	16.011	16.021	VV	34240	190030	2.06%	0.057%
273	16.084	16.021	16.113	VV	162386	4264075	46.18%	1.281%
274	16.117	16.113	16.123	VV	29168	157434	1.70%	0.047%
275	16.128	16.123	16.154	VV	32701	442124	4.79%	0.133%
276	16.177	16.154	16.184	VV	41615	591267	6.40%	0.178%
277	16.203	16.184	16.214	VV	45255	663515	7.19%	0.199%
278	16.221	16.214	16.256	VV	40260	642659	6.96%	0.193%
279	16.263	16.256	16.269	VV	17628	131335	1.42%	0.039%
280	16.321	16.269	16.337	VV	65868	1455647	15.76%	0.437%
281	16.347	16.337	16.367	VV	62305	803966	8.71%	0.242%
282	16.376	16.367	16.384	VV	31834	270739	2.93%	0.081%
283	16.388	16.384	16.396	VV	33173	170353	1.84%	0.051%
284	16.421	16.396	16.435	VV	49307	814149	8.82%	0.245%
285	16.457	16.435	16.469	VV	49356	695320	7.53%	0.209%
286	16.474	16.469	16.480	VV	37919	229610	2.49%	0.069%
287	16.495	16.480	16.509	VV	40396	551436	5.97%	0.166%
288	16.529	16.509	16.553	VV	36217	874593	9.47%	0.263%
289	16.574	16.553	16.592	VV	37671	706373	7.65%	0.212%
290	16.614	16.592	16.626	VV	39475	575550	6.23%	0.173%
291	16.629	16.626	16.635	VV	34603	167995	1.82%	0.050%
292	16.678	16.635	16.706	VV	95680	2505408	27.13%	0.753%
293	16.737	16.706	16.771	VV	95321	2184675	23.66%	0.656%
294	16.796	16.771	16.807	VV	62570	1134937	12.29%	0.341%
295	16.829	16.807	16.854	VV	80400	1871949	20.27%	0.562%
296	16.858	16.854	16.898	VV	57277	1193908	12.93%	0.359%
297	16.957	16.898	17.006	VV	266321	7802247	84.49%	2.344%
298	17.030	17.006	17.062	VV	127764	2794834	30.27%	0.840%
299	17.092	17.062	17.114	VV	116698	2486876	26.93%	0.747%

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300	17.117	17.114	17.121	VV	65061	249305	2.70%	0.075%
301	17.124	17.121	17.150	VV	64998	919545	9.96%	0.276%
302	17.178	17.150	17.189	VV	60666	1154669	12.50%	0.347%
303	17.192	17.189	17.197	VV	47944	220413	2.39%	0.066%
304	17.204	17.197	17.223	VV	50344	667550	7.23%	0.201%
305	17.250	17.223	17.262	VV	88251	1624165	17.59%	0.488%
306	17.286	17.262	17.309	VV	176533	3283230	35.56%	0.986%
307	17.343	17.309	17.377	VV	169344	3466257	37.54%	1.041%
308	17.402	17.377	17.428	VV	144580	2843911	30.80%	0.854%
309	17.445	17.428	17.468	VV	102581	1890188	20.47%	0.568%
310	17.472	17.468	17.482	VV	47938	368545	3.99%	0.111%
311	17.488	17.482	17.502	VV	52627	502495	5.44%	0.151%
312	17.528	17.502	17.539	VV	55458	970176	10.51%	0.291%
313	17.544	17.539	17.549	VV	50708	272008	2.95%	0.082%
314	17.559	17.549	17.569	VV	62957	606125	6.56%	0.182%
315	17.578	17.569	17.591	VV	60493	637024	6.90%	0.191%
316	17.608	17.591	17.627	VV	59768	1061373	11.49%	0.319%
317	17.678	17.627	17.695	VV	83069	2227193	24.12%	0.669%
318	17.713	17.695	17.741	VV	71456	1717266	18.60%	0.516%
319	17.753	17.741	17.770	VV	75965	1137989	12.32%	0.342%
320	17.787	17.770	17.809	VV	82200	1565108	16.95%	0.470%
321	17.818	17.809	17.832	VV	56866	745654	8.08%	0.224%
322	17.834	17.832	17.838	VV	55262	177700	1.92%	0.053%
323	17.869	17.838	17.896	VV	136048	2918683	31.61%	0.877%
324	17.907	17.896	17.914	VV	53412	491354	5.32%	0.148%
325	17.922	17.914	17.929	VV	50523	426985	4.62%	0.128%
326	17.935	17.929	17.945	VV	50519	422701	4.58%	0.127%
327	17.953	17.945	17.980	VV	50172	863001	9.35%	0.259%
328	18.000	17.980	18.031	VV	82189	1656592	17.94%	0.498%
329	18.035	18.031	18.040	VV	24569	121881	1.32%	0.037%
330	18.055	18.040	18.060	VV	40575	379338	4.11%	0.114%
331	18.063	18.060	18.068	VV	35195	170399	1.85%	0.051%
332	18.081	18.068	18.087	VV	46386	424564	4.60%	0.128%
333	18.089	18.087	18.104	VV	42554	341633	3.70%	0.103%
334	18.110	18.104	18.119	VV	35912	281498	3.05%	0.085%
335	18.142	18.119	18.167	VV	56296	1164781	12.61%	0.350%
336	18.176	18.167	18.189	VV	41474	478058	5.18%	0.144%
337	18.240	18.189	18.256	VV	74202	1960064	21.23%	0.589%
338	18.269	18.256	18.274	VV	42740	389484	4.22%	0.117%
339	18.313	18.274	18.361	VV	101891	2961494	32.07%	0.890%
340	18.372	18.361	18.393	VV	47336	747695	8.10%	0.225%
341	18.402	18.393	18.431	VV	44025	744293	8.06%	0.224%
342	18.479	18.431	18.499	VV	156675	3508407	37.99%	1.054%
343	18.505	18.499	18.512	VV	105238	789434	8.55%	0.237%
344	18.514	18.512	18.549	VV	94891	1324118	14.34%	0.398%
345	18.557	18.549	18.572	VV	54645	606884	6.57%	0.182%
346	18.582	18.572	18.611	VV	47423	840240	9.10%	0.252%
347	18.641	18.611	18.651	VV	83872	1324755	14.35%	0.398%
348	18.670	18.651	18.700	VV	178788	3735272	40.45%	1.122%
349	18.738	18.700	18.774	VV	209338	5086131	55.08%	1.528%
350	18.779	18.774	18.797	VV	55480	539827	5.85%	0.162%
351	18.808	18.797	18.816	VV	45509	450744	4.88%	0.135%

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352	18.849	18.816	18.876	VV	133549	3170725	34.34%	0.953%
353	18.882	18.876	18.919	VV	83140	1661260	17.99%	0.499%
354	18.927	18.919	18.956	VV	56747	767081	8.31%	0.230%
355	18.960	18.956	18.966	VV	15725	58146	0.63%	0.017%
356	19.001	18.966	19.024	VV	161408	2849848	30.86%	0.856%
357	19.034	19.024	19.039	VV	43783	304187	3.29%	0.091%
358	19.043	19.039	19.051	VV	36930	192876	2.09%	0.058%
359	19.079	19.051	19.106	VV	68384	1324660	14.35%	0.398%
360	19.111	19.106	19.115	VV	27446	133505	1.45%	0.040%
361	19.146	19.115	19.182	VV	88068	1796163	19.45%	0.540%
362	19.211	19.182	19.219	PV	16986	216988	2.35%	0.065%
363	19.225	19.219	19.240	VV	22938	167291	1.81%	0.050%
364	19.278	19.240	19.302	VV	98950	1847425	20.01%	0.555%
365	19.322	19.302	19.350	VV	78385	1295622	14.03%	0.389%
366	19.359	19.350	19.378	VV	20494	221305	2.40%	0.066%
367	19.454	19.378	19.464	PV	28953	727140	7.87%	0.218%
368	19.487	19.464	19.502	VV	52756	819642	8.88%	0.246%
369	19.525	19.502	19.584	VV	95199	2265317	24.53%	0.681%
370	19.609	19.584	19.621	PBA	32822	722893	7.83%	0.217%
371	19.701	19.621	19.722	BV	52109	1109582	12.02%	0.333%
372	19.736	19.722	19.774	VV	58752	1037460	11.24%	0.312%
373	19.806	19.774	19.845	PV	56702	1267733	13.73%	0.381%
374	19.872	19.845	19.904	VV	36236	719137	7.79%	0.216%
375	19.911	19.904	19.916	VV	15495	86635	0.94%	0.026%
376	19.940	19.916	19.959	VV	65196	940072	10.18%	0.282%
377	19.988	19.959	20.003	VV	140761	2291063	24.81%	0.688%
378	20.012	20.003	20.051	VV	111529	1884571	20.41%	0.566%
379	20.084	20.051	20.131	VV	69524	1655979	17.93%	0.498%
380	20.171	20.131	20.201	PV	57791	1526124	16.53%	0.459%
381	20.205	20.201	20.213	VV	35950	193401	2.09%	0.058%
382	20.236	20.213	20.277	VV	73675	1555264	16.84%	0.467%
383	20.320	20.277	20.361	PBA	75324	1339458	14.51%	0.402%
384	20.385	20.361	20.390	BV	6723	-17587	-0.19%	-0.005%
385	20.397	20.390	20.411	VV	10198	63829	0.69%	0.019%
386	20.417	20.411	20.434	PV	6922	42562	0.46%	0.013%
387	20.446	20.434	20.462	PV	16900	147390	1.60%	0.044%
388	20.467	20.462	20.472	PV	12508	52861	0.57%	0.016%
389	20.487	20.472	20.492	VV	24773	194014	2.10%	0.058%
390	20.498	20.492	20.502	VV	18500	84081	0.91%	0.025%
391	20.504	20.502	20.512	VV	16133	55792	0.60%	0.017%
392	20.562	20.512	20.584	PV	58228	894306	9.68%	0.269%
393	20.592	20.584	20.601	PBA	19264	104142	1.13%	0.031%
394	20.641	20.619	20.669	BV	6761	30702	0.33%	0.009%
395	20.694	20.669	20.742	PV	39482	799443	8.66%	0.240%
396	20.747	20.742	20.752	VV	14067	49670	0.54%	0.015%
397	20.775	20.752	20.780	VV	29865	346487	3.75%	0.104%
398	20.783	20.780	20.801	VV	28964	181546	1.97%	0.055%
399	20.802	20.801	20.807	VV	9318	24061	0.26%	0.007%
400	20.812	20.807	20.826	VV	10629	69889	0.76%	0.021%
401	20.830	20.826	20.838	PV	12742	63914	0.69%	0.019%
402	20.851	20.838	20.896	VV	23997	409738	4.44%	0.123%
403	20.905	20.896	20.911	VV	15957	76261	0.83%	0.023%
404	20.919	20.911	20.959	VV	24849	456855	4.95%	0.137%

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405	20.971	20.959	20.974	VV	17386	122670	1.33%	0.037%
406	20.980	20.974	20.984	VV	22990	100147	1.08%	0.030%
407	20.988	20.984	21.042	VV	17407	399155	4.32%	0.120%
408	21.072	21.042	21.078	PV	13400	213586	2.31%	0.064%
409	21.098	21.081	21.106	BV	10226	17844	0.19%	0.005%
410	21.111	21.106	21.124	VV	9566	54831	0.59%	0.016%
411	21.132	21.124	21.139	PV	14119	69855	0.76%	0.021%
412	21.147	21.139	21.172	VV	17238	180731	1.96%	0.054%
413	21.200	21.172	21.206	PV	26800	243179	2.63%	0.073%
414	21.216	21.206	21.230	VV	29398	354379	3.84%	0.106%
415	21.245	21.230	21.273	VV	33038	727651	7.88%	0.219%
416	21.286	21.273	21.339	VV	32449	869269	9.41%	0.261%
417	21.343	21.339	21.351	VV	21067	90114	0.98%	0.027%
418	21.355	21.351	21.369	VV	15691	122438	1.33%	0.037%
419	21.389	21.369	21.404	VV	21247	240141	2.60%	0.072%
420	21.410	21.404	21.424	PV	12370	89316	0.97%	0.027%
421	21.465	21.424	21.483	VV	32841	590204	6.39%	0.177%
422	21.491	21.483	21.519	VV	34911	482025	5.22%	0.145%
423	21.522	21.519	21.532	VV	17881	103653	1.12%	0.031%
424	21.541	21.532	21.596	VV	19779	393781	4.26%	0.118%
425	21.601	21.596	21.631	VV	8155	147167	1.59%	0.044%
426	21.662	21.631	21.668	VV	19151	199097	2.16%	0.060%
427	21.681	21.668	21.688	VV	17188	133052	1.44%	0.040%
428	21.694	21.688	21.699	VV	15250	82090	0.89%	0.025%
429	21.705	21.699	21.714	VV	20004	134611	1.46%	0.040%
430	21.717	21.714	21.728	VV	17848	72523	0.79%	0.022%
431	21.745	21.728	21.784	VV	24230	483447	5.24%	0.145%
432	21.807	21.784	21.823	PV	18923	296863	3.21%	0.089%
433	21.828	21.823	21.843	VV	20134	171268	1.85%	0.051%
434	21.847	21.843	21.858	VV	15257	93284	1.01%	0.028%
435	21.869	21.858	21.877	VV	17934	140306	1.52%	0.042%
436	21.885	21.877	21.907	VV	15034	199727	2.16%	0.060%
437	21.912	21.907	21.920	VV	16282	80373	0.87%	0.024%
438	21.927	21.920	21.945	VV	21066	217683	2.36%	0.065%
439	21.965	21.945	21.971	VV	33901	368147	3.99%	0.111%
440	21.975	21.971	22.000	VV	32868	285200	3.09%	0.086%
441	22.004	22.000	22.024	VV	14782	133406	1.44%	0.040%
442	22.032	22.024	22.039	VV	19863	113168	1.23%	0.034%
443	22.050	22.039	22.054	VV	17044	105856	1.15%	0.032%
444	22.066	22.054	22.081	VV	26940	348175	3.77%	0.105%
445	22.086	22.081	22.089	VV	21475	86913	0.94%	0.026%
446	22.092	22.089	22.096	VV	27708	94891	1.03%	0.029%
447	22.101	22.096	22.131	VV	21279	438286	4.75%	0.132%
448	22.135	22.131	22.144	VV	20606	90649	0.98%	0.027%
449	22.147	22.144	22.153	VV	14177	49325	0.53%	0.015%
450	22.158	22.153	22.162	VV	7053	40850	0.44%	0.012%
451	22.168	22.162	22.181	VV	12713	65123	0.71%	0.020%
452	22.185	22.181	22.194	VV	7302	31961	0.35%	0.010%
453	22.199	22.194	22.219	VV	8253	110269	1.19%	0.033%
454	22.226	22.219	22.264	VV	11792	188695	2.04%	0.057%
455	22.267	22.264	22.279	VV	15655	72835	0.79%	0.022%
456	22.283	22.279	22.296	VV	11892	69366	0.75%	0.021%

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457	22.301	22.296	22.305	VV	11488	48489	0.53%	0.015%	
458	22.315	22.305	22.341	VV	15536	217624	2.36%	0.065%	
459	22.345	22.341	22.354	VV	11539	44080	0.48%	0.013%	
460	22.364	22.354	22.396	PV	13307	223680	2.42%	0.067%	
461	22.409	22.396	22.414	VV	16729	96807	1.05%	0.029%	
462	22.422	22.414	22.466	VV	20442	383375	4.15%	0.115%	
463	22.512	22.466	22.574	VV	47206	1433315	15.52%	0.431%	
464	22.585	22.574	22.594	PV	8329	58115	0.63%	0.017%	
465	22.598	22.594	22.601	PBA	8191	-76077	-0.82%	-0.023%	

Sum of corrected areas: 332843187

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