

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061025\
 Data File : FG016019.D
 Signal(s) : FID1A.ch
 Acq On : 10 Jun 2025 19:31
 Sample : Q2246-01MS
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.951	1.906	2.037	BV	37153	462712	22.96%	0.537%
2	2.040	2.037	2.075	VV	265	3969	0.20%	0.005%
3	2.081	2.075	2.094	VV	209	1495	0.07%	0.002%
4	2.097	2.094	2.117	VV	142	1300	0.06%	0.002%
5	2.120	2.117	2.151	VV	129	1433	0.07%	0.002%
6	2.158	2.151	2.192	VV	165	2814	0.14%	0.003%
7	2.202	2.192	2.213	VV	150	1208	0.06%	0.001%
8	2.234	2.213	2.264	VV	603	9838	0.49%	0.011%
9	2.268	2.264	2.279	VV	151	1128	0.06%	0.001%
10	2.296	2.279	2.314	VV	266	3287	0.16%	0.004%
11	2.318	2.314	2.338	VV	127	997	0.05%	0.001%
12	2.351	2.338	2.365	PV	168	1169	0.06%	0.001%
13	2.371	2.365	2.377	VV	114	495	0.02%	0.001%
14	2.385	2.377	2.395	VV	179	1164	0.06%	0.001%
15	2.396	2.395	2.418	VV	191	1095	0.05%	0.001%
16	2.429	2.418	2.441	VV	161	1350	0.07%	0.002%
17	2.444	2.441	2.455	VV	159	966	0.05%	0.001%
18	2.456	2.455	2.467	VV	172	785	0.04%	0.001%
19	2.472	2.467	2.490	PB	191	1197	0.06%	0.001%
20	2.529	2.494	2.533	BV	244	2303	0.11%	0.003%
21	2.536	2.533	2.567	VV	224	3252	0.16%	0.004%
22	2.570	2.567	2.575	VV	127	503	0.02%	0.001%
23	2.579	2.575	2.588	VV	127	520	0.03%	0.001%
24	2.594	2.588	2.614	PV	88	755	0.04%	0.001%
25	2.642	2.614	2.690	PV	575	13171	0.65%	0.015%
26	2.694	2.690	2.716	VV	178	1800	0.09%	0.002%
27	2.726	2.716	2.738	VV	181	1609	0.08%	0.002%
28	2.753	2.738	2.783	VV	259	5148	0.26%	0.006%
29	2.789	2.783	2.813	VV	130	1358	0.07%	0.002%
30	2.825	2.813	2.828	VV	133	979	0.05%	0.001%
31	2.847	2.828	2.866	VV	315	3818	0.19%	0.004%
32	2.869	2.866	2.878	VV	104	550	0.03%	0.001%
33	2.884	2.878	2.892	VV	87	554	0.03%	0.001%
34	2.910	2.892	2.955	VV	406	7334	0.36%	0.009%
35	2.991	2.955	3.061	VV	314	7538	0.37%	0.009%
36	3.063	3.061	3.082	VV	131	1099	0.05%	0.001%

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37	3.085	3.082	3.108	VV	119	992	0.05%	0.001%
38	3.111	3.108	3.116	PV	57	136	0.01%	0.000%
39	3.132	3.116	3.139	PV	111	625	0.03%	0.001%
40	3.143	3.139	3.151	VV	121	401	0.02%	0.000%
41	3.155	3.151	3.168	VV	115	707	0.04%	0.001%
42	3.172	3.168	3.184	VV	102	604	0.03%	0.001%
43	3.214	3.184	3.273	VV	989	18445	0.92%	0.021%
44	3.276	3.273	3.286	VV	143	771	0.04%	0.001%
45	3.290	3.286	3.296	VV	191	536	0.03%	0.001%
46	3.304	3.296	3.314	VV	126	876	0.04%	0.001%
47	3.331	3.314	3.338	VV	196	2068	0.10%	0.002%
48	3.346	3.338	3.372	VV	208	2680	0.13%	0.003%
49	3.388	3.372	3.405	VV	185	2352	0.12%	0.003%
50	3.409	3.405	3.418	VV	101	686	0.03%	0.001%
51	3.422	3.418	3.440	VV	122	1490	0.07%	0.002%
52	3.452	3.440	3.481	VV	182	3096	0.15%	0.004%
53	3.485	3.481	3.506	VV	151	1476	0.07%	0.002%
54	3.524	3.506	3.541	PV	359	4166	0.21%	0.005%
55	3.545	3.541	3.567	VV	251	2311	0.11%	0.003%
56	3.573	3.567	3.577	VV	192	838	0.04%	0.001%
57	3.585	3.577	3.591	VV	196	1283	0.06%	0.001%
58	3.595	3.591	3.599	VV	157	705	0.03%	0.001%
59	3.607	3.599	3.623	VV	200	1965	0.10%	0.002%
60	3.626	3.623	3.638	VV	163	984	0.05%	0.001%
61	3.660	3.638	3.686	VV	319	5902	0.29%	0.007%
62	3.690	3.686	3.697	VV	201	1037	0.05%	0.001%
63	3.736	3.697	3.775	VV	309	9624	0.48%	0.011%
64	3.780	3.775	3.784	VV	163	588	0.03%	0.001%
65	3.812	3.784	3.826	VV	511	7477	0.37%	0.009%
66	3.833	3.826	3.876	VV	473	9198	0.46%	0.011%
67	3.908	3.876	3.956	VV	501	12171	0.60%	0.014%
68	3.982	3.956	3.987	VV	180	2013	0.10%	0.002%
69	3.993	3.987	3.997	VV	255	1075	0.05%	0.001%
70	4.011	3.997	4.030	VV	664	8337	0.41%	0.010%
71	4.044	4.030	4.064	VV	527	6532	0.32%	0.008%
72	4.068	4.064	4.072	VV	197	747	0.04%	0.001%
73	4.082	4.072	4.097	VV	265	2843	0.14%	0.003%
74	4.121	4.097	4.145	VV	406	6611	0.33%	0.008%
75	4.149	4.145	4.162	VV	139	927	0.05%	0.001%
76	4.166	4.162	4.171	VV	78	351	0.02%	0.000%
77	4.207	4.171	4.300	VV	974	29823	1.48%	0.035%
78	4.305	4.300	4.327	VV	281	3218	0.16%	0.004%
79	4.332	4.327	4.337	VV	175	726	0.04%	0.001%
80	4.341	4.337	4.396	VV	238	4660	0.23%	0.005%
81	4.414	4.396	4.439	VV	326	4616	0.23%	0.005%
82	4.474	4.439	4.588	VV	74133	890007	44.16%	1.033%
83	4.599	4.588	4.621	VV	632	9804	0.49%	0.011%
84	4.652	4.621	4.678	VV	771	19216	0.95%	0.022%
85	4.683	4.678	4.712	VV	526	8745	0.43%	0.010%
86	4.728	4.712	4.740	VV	464	6259	0.31%	0.007%
87	4.760	4.740	4.778	VV	636	11029	0.55%	0.013%
88	4.781	4.778	4.799	VV	487	4571	0.23%	0.005%
89	4.805	4.799	4.812	VV	385	2479	0.12%	0.003%

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90	4.815	4.812	4.831	VV	429	4279	0.21%	0.005%
91	4.837	4.831	4.858	VV	429	5028	0.25%	0.006%
92	4.874	4.858	4.883	VV	399	4031	0.20%	0.005%
93	4.902	4.883	4.908	VV	536	5903	0.29%	0.007%
94	4.911	4.908	4.930	VV	546	5471	0.27%	0.006%
95	4.946	4.930	4.960	VV	493	7481	0.37%	0.009%
96	4.984	4.960	5.028	VV	942	20064	1.00%	0.023%
97	5.041	5.028	5.047	VV	314	3029	0.15%	0.004%
98	5.060	5.047	5.073	VV	445	5545	0.28%	0.006%
99	5.077	5.073	5.117	VV	325	6458	0.32%	0.007%
100	5.157	5.117	5.173	VV	435	9158	0.45%	0.011%
101	5.191	5.173	5.216	VV	665	11838	0.59%	0.014%
102	5.233	5.216	5.268	VV	720	13932	0.69%	0.016%
103	5.278	5.268	5.284	VV	453	4026	0.20%	0.005%
104	5.298	5.284	5.343	VV	612	11014	0.55%	0.013%
105	5.352	5.343	5.356	VV	172	1129	0.06%	0.001%
106	5.396	5.356	5.408	VV	410	7946	0.39%	0.009%
107	5.417	5.408	5.432	VV	368	4155	0.21%	0.005%
108	5.460	5.432	5.473	VV	564	9313	0.46%	0.011%
109	5.496	5.473	5.515	VV	596	11176	0.55%	0.013%
110	5.520	5.515	5.533	VV	363	2983	0.15%	0.003%
111	5.537	5.533	5.542	VV	305	1442	0.07%	0.002%
112	5.549	5.542	5.553	VV	353	2192	0.11%	0.003%
113	5.558	5.553	5.576	VV	421	3595	0.18%	0.004%
114	5.584	5.576	5.601	VV	263	2392	0.12%	0.003%
115	5.624	5.601	5.683	PV	3553	56467	2.80%	0.066%
116	5.691	5.683	5.695	VV	277	1843	0.09%	0.002%
117	5.699	5.695	5.722	VV	250	2885	0.14%	0.003%
118	5.744	5.722	5.763	VV	287	4567	0.23%	0.005%
119	5.797	5.763	5.810	VV	813	10436	0.52%	0.012%
120	5.824	5.810	5.838	VV	466	6195	0.31%	0.007%
121	5.884	5.838	5.898	VV	499	10079	0.50%	0.012%
122	5.923	5.898	5.964	VV	991	23086	1.15%	0.027%
123	5.984	5.964	5.997	VV	419	6876	0.34%	0.008%
124	6.015	5.997	6.063	VV	847	18860	0.94%	0.022%
125	6.073	6.063	6.086	VV	301	3313	0.16%	0.004%
126	6.103	6.086	6.134	VV	562	9280	0.46%	0.011%
127	6.153	6.134	6.173	VV	485	7817	0.39%	0.009%
128	6.185	6.173	6.200	VV	386	5057	0.25%	0.006%
129	6.215	6.200	6.225	VV	461	6182	0.31%	0.007%
130	6.248	6.225	6.272	VV	615	12343	0.61%	0.014%
131	6.299	6.272	6.322	VV	638	8856	0.44%	0.010%
132	6.368	6.322	6.401	VV	986	27436	1.36%	0.032%
133	6.405	6.401	6.409	VV	150	512	0.03%	0.001%
134	6.427	6.409	6.437	VV	505	5376	0.27%	0.006%
135	6.443	6.437	6.455	VV	393	3884	0.19%	0.005%
136	6.473	6.455	6.506	VV	609	10542	0.52%	0.012%
137	6.526	6.506	6.557	PV	427	8678	0.43%	0.010%
138	6.581	6.557	6.611	VV	586	13401	0.66%	0.016%
139	6.613	6.611	6.631	VV	330	2915	0.14%	0.003%
140	6.657	6.631	6.731	VV	94291	1054068	52.30%	1.223%
141	6.745	6.731	6.762	VV	863	13575	0.67%	0.016%

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142	6.776	6.762	6.792	VV	796	11262	0.56%	0.013%
143	6.811	6.792	6.833	VV	1443	22565	1.12%	0.026%
144	6.843	6.833	6.855	VV	564	5662	0.28%	0.007%
145	6.860	6.855	6.875	VV	398	4006	0.20%	0.005%
146	6.884	6.875	6.894	VV	350	3309	0.16%	0.004%
147	6.913	6.894	6.930	VV	595	7974	0.40%	0.009%
148	6.945	6.930	6.967	VV	641	8163	0.41%	0.009%
149	6.984	6.967	7.004	VV	573	7713	0.38%	0.009%
150	7.016	7.004	7.034	VV	312	3252	0.16%	0.004%
151	7.067	7.034	7.095	VV	1247	22738	1.13%	0.026%
152	7.109	7.095	7.133	VV	462	7053	0.35%	0.008%
153	7.151	7.133	7.164	VV	517	7018	0.35%	0.008%
154	7.188	7.164	7.210	VV	1032	18144	0.90%	0.021%
155	7.231	7.210	7.263	VV	1034	16153	0.80%	0.019%
156	7.283	7.263	7.291	VV	921	10747	0.53%	0.012%
157	7.301	7.291	7.325	VV	930	15462	0.77%	0.018%
158	7.338	7.325	7.354	VV	721	8738	0.43%	0.010%
159	7.379	7.354	7.417	VV	1691	29199	1.45%	0.034%
160	7.443	7.417	7.462	VV	832	13463	0.67%	0.016%
161	7.478	7.462	7.493	VV	734	9853	0.49%	0.011%
162	7.505	7.493	7.527	VV	410	4817	0.24%	0.006%
163	7.549	7.527	7.558	PV	449	5958	0.30%	0.007%
164	7.561	7.558	7.566	VV	459	2033	0.10%	0.002%
165	7.586	7.566	7.593	VV	1866	19907	0.99%	0.023%
166	7.609	7.593	7.633	VV	4634	61860	3.07%	0.072%
167	7.644	7.633	7.676	VV	994	18639	0.92%	0.022%
168	7.691	7.676	7.718	VV	609	10094	0.50%	0.012%
169	7.732	7.718	7.744	VV	206	1999	0.10%	0.002%
170	7.782	7.744	7.817	VV	1694	32909	1.63%	0.038%
171	7.835	7.817	7.860	VV	537	7596	0.38%	0.009%
172	7.889	7.860	7.909	PV	1430	18898	0.94%	0.022%
173	7.929	7.909	7.934	VV	722	7098	0.35%	0.008%
174	7.944	7.934	7.964	VV	664	7897	0.39%	0.009%
175	7.979	7.964	8.015	VV	1125	13272	0.66%	0.015%
176	8.037	8.015	8.051	PV	1227	15117	0.75%	0.018%
177	8.064	8.051	8.107	VV	1380	31617	1.57%	0.037%
178	8.135	8.107	8.154	VV	796	15266	0.76%	0.018%
179	8.184	8.154	8.200	VV	1149	17257	0.86%	0.020%
180	8.218	8.200	8.232	VV	2424	28963	1.44%	0.034%
181	8.243	8.232	8.269	VV	1803	23919	1.19%	0.028%
182	8.277	8.269	8.291	VV	577	5578	0.28%	0.006%
183	8.311	8.291	8.342	VV	2089	31514	1.56%	0.037%
184	8.358	8.342	8.384	VV	887	13530	0.67%	0.016%
185	8.401	8.384	8.413	VV	1354	15263	0.76%	0.018%
186	8.431	8.413	8.441	VV	1129	15350	0.76%	0.018%
187	8.492	8.441	8.557	VV	102291	1268179	62.92%	1.472%
188	8.565	8.557	8.580	VV	1666	20380	1.01%	0.024%
189	8.616	8.580	8.628	VV	3283	64832	3.22%	0.075%
190	8.640	8.628	8.666	VV	3176	59800	2.97%	0.069%
191	8.677	8.666	8.692	VV	2135	25797	1.28%	0.030%
192	8.715	8.692	8.755	VV	2706	61332	3.04%	0.071%
193	8.769	8.755	8.775	VV	872	8901	0.44%	0.010%
194	8.784	8.775	8.811	VV	933	13165	0.65%	0.015%

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195	8.823	8.811	8.833	VV	515	5044	0.25%	0.006%
196	8.854	8.833	8.859	VV	1322	13558	0.67%	0.016%
197	8.866	8.859	8.877	VV	1415	14173	0.70%	0.016%
198	8.886	8.877	8.898	VV	1264	13709	0.68%	0.016%
199	8.918	8.898	8.928	VV	1910	27674	1.37%	0.032%
200	8.942	8.928	8.962	VV	2219	35109	1.74%	0.041%
201	8.981	8.962	8.996	VV	2029	33436	1.66%	0.039%
202	9.010	8.996	9.018	VV	2691	29893	1.48%	0.035%
203	9.033	9.018	9.061	VV	4946	72605	3.60%	0.084%
204	9.084	9.061	9.097	VV	1692	29060	1.44%	0.034%
205	9.110	9.097	9.125	VV	1635	21721	1.08%	0.025%
206	9.154	9.125	9.167	VV	1582	30679	1.52%	0.036%
207	9.180	9.167	9.200	VV	1795	28378	1.41%	0.033%
208	9.217	9.200	9.228	VV	1477	21554	1.07%	0.025%
209	9.253	9.228	9.280	VV	1978	51003	2.53%	0.059%
210	9.294	9.280	9.301	VV	1361	16286	0.81%	0.019%
211	9.322	9.301	9.388	VV	9534	174683	8.67%	0.203%
212	9.408	9.388	9.430	VV	2313	39564	1.96%	0.046%
213	9.451	9.430	9.493	VV	1757	46557	2.31%	0.054%
214	9.521	9.493	9.537	VV	2098	36325	1.80%	0.042%
215	9.550	9.537	9.575	VV	2643	46834	2.32%	0.054%
216	9.583	9.575	9.593	VV	1618	16646	0.83%	0.019%
217	9.606	9.593	9.639	VV	2511	55300	2.74%	0.064%
218	9.656	9.639	9.669	VV	2250	30692	1.52%	0.036%
219	9.699	9.669	9.733	VV	4740	116697	5.79%	0.135%
220	9.744	9.733	9.754	VV	2839	32750	1.62%	0.038%
221	9.781	9.754	9.810	VV	4196	102324	5.08%	0.119%
222	9.830	9.810	9.847	VV	3917	66630	3.31%	0.077%
223	9.860	9.847	9.867	VV	3092	35751	1.77%	0.041%
224	9.884	9.867	9.904	VV	4795	71634	3.55%	0.083%
225	9.935	9.904	9.958	VV	2987	75246	3.73%	0.087%
226	9.980	9.958	10.040	VV	45100	920960	45.70%	1.069%
227	10.054	10.040	10.080	VV	9483	202185	10.03%	0.235%
228	10.106	10.080	10.157	VV	128625	1593030	79.04%	1.849%
229	10.162	10.157	10.171	VV	5142	40779	2.02%	0.047%
230	10.175	10.171	10.200	VV	5299	85512	4.24%	0.099%
231	10.207	10.200	10.253	VV	4572	116241	5.77%	0.135%
232	10.280	10.253	10.305	VV	4360	112169	5.57%	0.130%
233	10.319	10.305	10.325	VV	3441	39877	1.98%	0.046%
234	10.341	10.325	10.361	VV	3749	72552	3.60%	0.084%
235	10.380	10.361	10.407	VV	3913	91617	4.55%	0.106%
236	10.453	10.407	10.471	VV	10904	229351	11.38%	0.266%
237	10.494	10.471	10.524	VV	18086	337468	16.74%	0.392%
238	10.546	10.524	10.563	VV	6444	128922	6.40%	0.150%
239	10.584	10.563	10.608	VV	7566	156539	7.77%	0.182%
240	10.640	10.608	10.666	VV	9153	196393	9.74%	0.228%
241	10.686	10.666	10.692	VV	3902	58895	2.92%	0.068%
242	10.697	10.692	10.716	VV	3866	52562	2.61%	0.061%
243	10.748	10.716	10.753	VV	5424	101530	5.04%	0.118%
244	10.757	10.753	10.762	VV	5453	26390	1.31%	0.031%
245	10.775	10.762	10.798	VV	5931	113883	5.65%	0.132%
246	10.847	10.798	10.886	VV	37712	662945	32.89%	0.769%

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247	10.918	10.886	10.945	VV	29732	538669	26.73%	0.625%
248	10.949	10.945	11.012	VV	7028	220190	10.93%	0.256%
249	11.038	11.012	11.048	VV	5234	99776	4.95%	0.116%
250	11.055	11.048	11.079	VV	5538	98104	4.87%	0.114%
251	11.093	11.079	11.101	VV	5481	66513	3.30%	0.077%
252	11.128	11.101	11.146	VV	8805	187399	9.30%	0.217%
253	11.172	11.146	11.208	VV	9796	305969	15.18%	0.355%
254	11.239	11.208	11.283	VV	11893	380246	18.87%	0.441%
255	11.303	11.283	11.341	VV	8910	225254	11.18%	0.261%
256	11.355	11.341	11.394	VV	8872	194842	9.67%	0.226%
257	11.412	11.394	11.440	VV	5657	136202	6.76%	0.158%
258	11.442	11.440	11.447	VV	4628	20499	1.02%	0.024%
259	11.469	11.447	11.485	VV	5984	123197	6.11%	0.143%
260	11.512	11.485	11.524	VV	6836	147205	7.30%	0.171%
261	11.554	11.524	11.616	VV	147467	2015427	100.00%	2.339%
262	11.644	11.616	11.683	VV	26756	525994	26.10%	0.610%
263	11.686	11.683	11.691	VV	5331	24626	1.22%	0.029%
264	11.712	11.691	11.732	VV	6137	131929	6.55%	0.153%
265	11.752	11.732	11.775	VV	5855	132567	6.58%	0.154%
266	11.804	11.775	11.810	VV	6218	114479	5.68%	0.133%
267	11.849	11.810	11.892	VV	9783	357377	17.73%	0.415%
268	11.908	11.892	11.913	VV	6678	73305	3.64%	0.085%
269	11.921	11.913	11.925	VV	6596	46724	2.32%	0.054%
270	11.951	11.925	11.970	VV	10460	228188	11.32%	0.265%
271	11.989	11.970	12.018	VV	9085	204587	10.15%	0.237%
272	12.040	12.018	12.066	VV	10465	211444	10.49%	0.245%
273	12.075	12.066	12.089	VV	6385	81307	4.03%	0.094%
274	12.108	12.089	12.142	VV	7154	188922	9.37%	0.219%
275	12.160	12.142	12.177	VV	5597	109767	5.45%	0.127%
276	12.225	12.177	12.252	VV	41812	753289	37.38%	0.874%
277	12.264	12.252	12.280	VV	6692	101175	5.02%	0.117%
278	12.296	12.280	12.309	VV	6175	101785	5.05%	0.118%
279	12.325	12.309	12.346	VV	6165	127687	6.34%	0.148%
280	12.349	12.346	12.398	VV	5634	144044	7.15%	0.167%
281	12.425	12.398	12.445	VV	5891	132441	6.57%	0.154%
282	12.485	12.445	12.525	VV	15797	416114	20.65%	0.483%
283	12.529	12.525	12.558	VV	6960	121722	6.04%	0.141%
284	12.569	12.558	12.589	VV	5862	106034	5.26%	0.123%
285	12.608	12.589	12.624	VV	7620	141280	7.01%	0.164%
286	12.638	12.624	12.673	VV	8488	176845	8.77%	0.205%
287	12.693	12.673	12.712	VV	7167	132444	6.57%	0.154%
288	12.717	12.712	12.737	VV	5191	71993	3.57%	0.084%
289	12.742	12.737	12.765	VV	4697	68853	3.42%	0.080%
290	12.790	12.765	12.807	VV	6861	134444	6.67%	0.156%
291	12.821	12.807	12.838	VV	6837	114322	5.67%	0.133%
292	12.868	12.838	12.914	VV	141237	1870088	92.79%	2.170%
293	12.943	12.914	12.997	VV	19853	476881	23.66%	0.553%
294	13.012	12.997	13.037	VV	4669	92562	4.59%	0.107%
295	13.038	13.037	13.047	VV	3094	17954	0.89%	0.021%
296	13.056	13.047	13.060	VV	2876	21918	1.09%	0.025%
297	13.094	13.060	13.101	VV	3672	78294	3.88%	0.091%
298	13.125	13.101	13.147	VV	5735	130537	6.48%	0.151%
299	13.150	13.147	13.177	VV	4760	75006	3.72%	0.087%

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300	13.194	13.177	13.212	VV	4127	71949	3.57%	0.084%
301	13.242	13.212	13.300	VV	17107	441587	21.91%	0.512%
302	13.313	13.300	13.335	VV	5275	86448	4.29%	0.100%
303	13.361	13.335	13.395	VV	5759	155850	7.73%	0.181%
304	13.410	13.395	13.438	VV	3389	73305	3.64%	0.085%
305	13.481	13.438	13.508	VV	23194	352471	17.49%	0.409%
306	13.519	13.508	13.533	VV	4125	57899	2.87%	0.067%
307	13.550	13.533	13.568	VV	4256	78421	3.89%	0.091%
308	13.577	13.568	13.617	VV	3852	80120	3.98%	0.093%
309	13.621	13.617	13.626	VV	1596	8024	0.40%	0.009%
310	13.644	13.626	13.676	VV	2732	57044	2.83%	0.066%
311	13.706	13.676	13.738	VV	6199	156648	7.77%	0.182%
312	13.743	13.738	13.750	VV	3351	22609	1.12%	0.026%
313	13.754	13.750	13.774	VV	3307	40204	1.99%	0.047%
314	13.788	13.774	13.802	VV	2482	33888	1.68%	0.039%
315	13.833	13.802	13.848	VV	3859	79747	3.96%	0.093%
316	13.864	13.848	13.883	VV	4597	73385	3.64%	0.085%
317	13.906	13.883	13.936	VV	4201	88491	4.39%	0.103%
318	13.956	13.936	13.964	VV	2442	33146	1.64%	0.038%
319	13.988	13.964	14.007	VV	3977	83217	4.13%	0.097%
320	14.010	14.007	14.041	VV	3519	55608	2.76%	0.065%
321	14.070	14.041	14.104	VV	116784	1474792	73.18%	1.712%
322	14.119	14.104	14.142	VV	4433	75255	3.73%	0.087%
323	14.157	14.142	14.188	VV	3470	64284	3.19%	0.075%
324	14.194	14.188	14.239	VV	1627	32149	1.60%	0.037%
325	14.249	14.239	14.259	PV	556	4042	0.20%	0.005%
326	14.297	14.259	14.326	VV	3354	75901	3.77%	0.088%
327	14.335	14.326	14.347	VV	1371	13616	0.68%	0.016%
328	14.367	14.347	14.385	VV	1534	20123	1.00%	0.023%
329	14.397	14.385	14.402	VV	857	5583	0.28%	0.006%
330	14.409	14.402	14.412	VV	924	4550	0.23%	0.005%
331	14.436	14.412	14.442	VV	1708	24168	1.20%	0.028%
332	14.477	14.442	14.525	VV	3841	104941	5.21%	0.122%
333	14.547	14.525	14.552	VV	1682	20409	1.01%	0.024%
334	14.575	14.552	14.609	VV	2923	49394	2.45%	0.057%
335	14.633	14.609	14.659	VV	11917	160056	7.94%	0.186%
336	14.666	14.659	14.670	VV	1809	10472	0.52%	0.012%
337	14.691	14.670	14.709	VV	3229	52590	2.61%	0.061%
338	14.713	14.709	14.736	VV	2267	27226	1.35%	0.032%
339	14.774	14.736	14.799	VV	2154	58001	2.88%	0.067%
340	14.826	14.799	14.847	VV	3009	59660	2.96%	0.069%
341	14.851	14.847	14.862	VV	1890	14256	0.71%	0.017%
342	14.884	14.862	14.910	VV	2161	43943	2.18%	0.051%
343	14.914	14.910	14.922	VV	907	5582	0.28%	0.006%
344	14.925	14.922	14.928	VV	887	3121	0.15%	0.004%
345	14.973	14.928	15.007	VV	79898	1115886	55.37%	1.295%
346	15.029	15.007	15.060	VV	2243	40928	2.03%	0.047%
347	15.069	15.060	15.086	VV	717	7516	0.37%	0.009%
348	15.103	15.086	15.116	VV	1720	20006	0.99%	0.023%
349	15.138	15.116	15.151	VV	6929	88812	4.41%	0.103%
350	15.176	15.151	15.249	VV	108219	1516633	75.25%	1.760%
351	15.267	15.249	15.281	VV	1589	22543	1.12%	0.026%

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352	15.301	15.281	15.329	VV	1608	32212	1.60%	0.037%
353	15.364	15.329	15.396	VV	1947	41391	2.05%	0.048%
354	15.401	15.396	15.411	VV	425	2424	0.12%	0.003%
355	15.416	15.411	15.420	PV	398	1294	0.06%	0.002%
356	15.453	15.420	15.467	VV	956	18176	0.90%	0.021%
357	15.491	15.467	15.502	VV	1659	22893	1.14%	0.027%
358	15.511	15.502	15.532	VV	1501	15882	0.79%	0.018%
359	15.562	15.532	15.648	VV	34561	697054	34.59%	0.809%
360	15.653	15.648	15.672	VV	1033	6481	0.32%	0.008%
361	15.698	15.672	15.737	VV	7190	117486	5.83%	0.136%
362	15.764	15.737	15.797	VV	2154	37648	1.87%	0.044%
363	15.824	15.797	15.851	VV	3976	65764	3.26%	0.076%
364	15.860	15.851	15.866	VV	1605	11123	0.55%	0.013%
365	15.869	15.866	15.892	VV	1270	16828	0.83%	0.020%
366	15.908	15.892	15.911	VV	1662	11716	0.58%	0.014%
367	15.916	15.911	15.935	VV	1492	11923	0.59%	0.014%
368	15.955	15.935	15.980	VV	2238	44491	2.21%	0.052%
369	16.002	15.980	16.021	VV	2480	45787	2.27%	0.053%
370	16.028	16.021	16.042	VV	1454	14941	0.74%	0.017%
371	16.046	16.042	16.055	VV	1000	5356	0.27%	0.006%
372	16.085	16.055	16.098	VV	2297	38626	1.92%	0.045%
373	16.105	16.098	16.125	VV	1820	20192	1.00%	0.023%
374	16.156	16.125	16.172	VV	1874	38182	1.89%	0.044%
375	16.201	16.172	16.237	VV	94670	1259484	62.49%	1.462%
376	16.243	16.237	16.248	VV	2251	13291	0.66%	0.015%
377	16.260	16.248	16.285	VV	2482	44784	2.22%	0.052%
378	16.290	16.285	16.303	VV	1839	13709	0.68%	0.016%
379	16.321	16.303	16.341	VV	1790	22547	1.12%	0.026%
380	16.345	16.341	16.361	VV	1340	8926	0.44%	0.010%
381	16.391	16.361	16.436	PV	3297	93544	4.64%	0.109%
382	16.439	16.436	16.442	VV	1362	4589	0.23%	0.005%
383	16.491	16.442	16.497	VV	3170	63704	3.16%	0.074%
384	16.513	16.497	16.517	VV	2968	34711	1.72%	0.040%
385	16.521	16.517	16.530	VV	3086	19515	0.97%	0.023%
386	16.535	16.530	16.551	VV	2417	24862	1.23%	0.029%
387	16.589	16.551	16.617	VV	7354	179243	8.89%	0.208%
388	16.648	16.617	16.656	VV	2895	59505	2.95%	0.069%
389	16.706	16.656	16.731	VV	14895	360636	17.89%	0.419%
390	16.734	16.731	16.772	VV	7093	130807	6.49%	0.152%
391	16.776	16.772	16.790	VV	3489	29866	1.48%	0.035%
392	16.842	16.790	16.863	VV	4647	148334	7.36%	0.172%
393	16.873	16.863	16.878	VV	3290	25528	1.27%	0.030%
394	16.884	16.878	16.900	VV	3249	38156	1.89%	0.044%
395	16.903	16.900	16.913	VV	3169	20056	1.00%	0.023%
396	16.918	16.913	16.927	VV	2219	13049	0.65%	0.015%
397	16.974	16.927	16.991	VV	4885	106624	5.29%	0.124%
398	17.002	16.991	17.009	VV	3500	35369	1.75%	0.041%
399	17.029	17.009	17.071	VV	9949	196229	9.74%	0.228%
400	17.094	17.071	17.098	VV	10204	98986	4.91%	0.115%
401	17.102	17.098	17.118	VV	10192	97352	4.83%	0.113%
402	17.155	17.118	17.187	VV	95068	1403559	69.64%	1.629%
403	17.201	17.187	17.221	VV	7656	116529	5.78%	0.135%
404	17.230	17.221	17.272	VV	5438	111933	5.55%	0.130%

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405	17.329	17.272	17.337	VV	5200	122138	6.06%	0.142%
406	17.341	17.337	17.346	VV	4620	23643	1.17%	0.027%
407	17.353	17.346	17.358	VV	4508	29180	1.45%	0.034%
408	17.386	17.358	17.409	VV	5707	134892	6.69%	0.157%
409	17.415	17.409	17.426	VV	3482	32423	1.61%	0.038%
410	17.462	17.426	17.505	VV	7476	247073	12.26%	0.287%
411	17.534	17.505	17.575	VV	10007	276780	13.73%	0.321%
412	17.606	17.575	17.657	VV	14212	368439	18.28%	0.428%
413	17.674	17.657	17.687	VV	6408	85760	4.26%	0.100%
414	17.712	17.687	17.737	VV	6885	161644	8.02%	0.188%
415	17.740	17.737	17.744	VV	3605	14105	0.70%	0.016%
416	17.773	17.744	17.780	VV	6630	112971	5.61%	0.131%
417	17.786	17.780	17.795	VV	6687	54890	2.72%	0.064%
418	17.799	17.795	17.832	VV	6070	96329	4.78%	0.112%
419	17.842	17.832	17.847	VV	2910	22604	1.12%	0.026%
420	17.887	17.847	17.902	VV	4750	119509	5.93%	0.139%
421	17.908	17.902	17.912	VV	3619	19386	0.96%	0.022%
422	17.933	17.912	17.960	VV	6784	146805	7.28%	0.170%
423	17.984	17.960	17.992	VV	7843	116994	5.80%	0.136%
424	18.010	17.992	18.015	VV	8577	99138	4.92%	0.115%
425	18.045	18.015	18.076	VV	97790	1450941	71.99%	1.684%
426	18.079	18.076	18.112	VV	7412	127810	6.34%	0.148%
427	18.137	18.112	18.148	VV	8023	142267	7.06%	0.165%
428	18.182	18.148	18.197	VV	13140	270389	13.42%	0.314%
429	18.201	18.197	18.206	VV	9883	50741	2.52%	0.059%
430	18.211	18.206	18.246	VV	9189	178975	8.88%	0.208%
431	18.252	18.246	18.263	VV	6060	57106	2.83%	0.066%
432	18.279	18.263	18.296	VV	6721	108096	5.36%	0.125%
433	18.310	18.296	18.314	VV	6513	55510	2.75%	0.064%
434	18.320	18.314	18.341	VV	6686	90818	4.51%	0.105%
435	18.410	18.341	18.452	VV	26832	909193	45.11%	1.055%
436	18.473	18.452	18.516	VV	19380	513549	25.48%	0.596%
437	18.522	18.516	18.535	VV	11501	120607	5.98%	0.140%
438	18.551	18.535	18.572	VV	16374	277237	13.76%	0.322%
439	18.577	18.572	18.581	VV	9045	44536	2.21%	0.052%
440	18.589	18.581	18.610	VV	9117	133736	6.64%	0.155%
441	18.623	18.610	18.628	VV	8948	89044	4.42%	0.103%
442	18.633	18.628	18.650	VV	9061	108237	5.37%	0.126%
443	18.656	18.650	18.661	VV	7159	45665	2.27%	0.053%
444	18.676	18.661	18.686	VV	8310	112905	5.60%	0.131%
445	18.736	18.686	18.768	VV	14952	475126	23.57%	0.551%
446	18.773	18.768	18.805	VV	8570	155364	7.71%	0.180%
447	18.880	18.805	18.916	VV	91814	1746945	86.68%	2.027%
448	18.931	18.916	18.938	VV	8594	103925	5.16%	0.121%
449	18.977	18.938	18.995	VV	15544	376368	18.67%	0.437%
450	19.023	18.995	19.027	VV	13869	229441	11.38%	0.266%
451	19.033	19.027	19.042	VV	12977	106913	5.30%	0.124%
452	19.048	19.042	19.063	VV	11347	125609	6.23%	0.146%
453	19.068	19.063	19.084	VV	11024	122418	6.07%	0.142%
454	19.109	19.084	19.114	VV	9411	154969	7.69%	0.180%
455	19.125	19.114	19.131	VV	10281	97779	4.85%	0.113%
456	19.150	19.131	19.161	VV	11783	191417	9.50%	0.222%

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457	19.165	19.161	19.170	VV	11240	56898	2.82%	0.066%
458	19.182	19.170	19.195	VV	11612	164148	8.14%	0.191%
459	19.200	19.195	19.212	VV	12256	116892	5.80%	0.136%
460	19.241	19.212	19.268	VV	28249	701021	34.78%	0.814%
461	19.275	19.268	19.294	VV	20771	284344	14.11%	0.330%
462	19.302	19.294	19.331	VV	17310	306512	15.21%	0.356%
463	19.341	19.331	19.356	VV	12638	175855	8.73%	0.204%
464	19.377	19.356	19.390	VV	14969	266768	13.24%	0.310%
465	19.406	19.390	19.412	VV	14629	162491	8.06%	0.189%
466	19.422	19.412	19.428	VV	13375	128926	6.40%	0.150%
467	19.434	19.428	19.444	VV	14616	128930	6.40%	0.150%
468	19.478	19.444	19.487	VV	15395	366636	18.19%	0.426%
469	19.491	19.487	19.498	VV	13840	92357	4.58%	0.107%
470	19.508	19.498	19.521	VV	14098	179003	8.88%	0.208%
471	19.525	19.521	19.537	VV	13516	131858	6.54%	0.153%
472	19.544	19.537	19.558	VV	13904	163507	8.11%	0.190%
473	19.570	19.558	19.591	VV	13994	255683	12.69%	0.297%
474	19.599	19.591	19.608	VV	13411	133744	6.64%	0.155%
475	19.616	19.608	19.626	VV	13555	127578	6.33%	0.148%
476	19.665	19.626	19.707	VV	84141	1690422	83.87%	1.962%
477	19.715	19.707	19.720	VV	16388	118234	5.87%	0.137%
478	19.725	19.720	19.732	VV	16174	117217	5.82%	0.136%
479	19.738	19.732	19.743	VV	16710	103521	5.14%	0.120%
480	19.779	19.743	19.800	VV	23552	640415	31.78%	0.743%
481	19.806	19.800	19.817	VV	18259	168009	8.34%	0.195%
482	19.842	19.817	19.857	VV	18438	410045	20.35%	0.476%
483	19.876	19.857	19.882	VV	17773	239993	11.91%	0.279%
484	19.902	19.882	19.910	VV	22568	328341	16.29%	0.381%
485	19.916	19.910	19.925	VV	21361	177259	8.80%	0.206%
486	19.930	19.925	19.935	VV	20189	114886	5.70%	0.133%
487	19.941	19.935	19.949	VV	20249	163078	8.09%	0.189%
488	19.959	19.949	19.963	VV	19655	156939	7.79%	0.182%
489	19.968	19.963	19.975	VV	20509	138418	6.87%	0.161%
490	20.021	19.975	20.026	VV	27634	712882	35.37%	0.827%
491	20.031	20.026	20.035	VV	26727	149177	7.40%	0.173%
492	20.041	20.035	20.056	VV	26515	297770	14.77%	0.346%
493	20.078	20.056	20.085	VV	23308	387153	19.21%	0.449%
494	20.090	20.085	20.100	VV	22523	195642	9.71%	0.227%
495	20.105	20.100	20.112	VV	22254	161558	8.02%	0.187%
496	20.117	20.112	20.122	VV	21431	122954	6.10%	0.143%
497	20.126	20.122	20.133	VV	20671	127701	6.34%	0.148%
498	20.137	20.133	20.142	VV	21159	107226	5.32%	0.124%
499	20.148	20.142	20.157	VV	21577	179373	8.90%	0.208%
500	20.170	20.157	20.174	VV	21900	209417	10.39%	0.243%
501	20.196	20.174	20.211	VV	23882	485398	24.08%	0.563%
502	20.217	20.211	20.222	VV	21666	140866	6.99%	0.163%
503	20.236	20.222	20.252	VV	25586	434620	21.56%	0.504%
504	20.258	20.252	20.263	VV	26018	165803	8.23%	0.192%
505	20.282	20.263	20.286	VV	32177	380481	18.88%	0.442%
506	20.295	20.286	20.325	VV	32897	702847	34.87%	0.816%
507	20.335	20.325	20.346	VV	26108	315685	15.66%	0.366%
508	20.354	20.346	20.362	VV	26620	246506	12.23%	0.286%
509	20.366	20.362	20.370	VV	26953	133853	6.64%	0.155%

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510	20.405	20.370	20.446	VV	82417	2011418	99.80%	2.334%
511	20.464	20.446	20.470	VV	31397	414710	20.58%	0.481%
512	20.475	20.470	20.487	VV	32221	298835	14.83%	0.347%
513	20.490	20.487	20.495	VV	30135	145061	7.20%	0.168%
514	20.502	20.495	20.518	VV	31347	418298	20.75%	0.485%
515	20.565	20.518	20.586	VV	38657	1356893	67.33%	1.575%
516	20.598	20.586	20.605	VV	32943	360166	17.87%	0.418%
517	20.617	20.605	20.632	VV	33041	533443	26.47%	0.619%
518	20.642	20.632	20.649	VV	32046	309105	15.34%	0.359%
519	20.664	20.649	20.668	VV	34092	370824	18.40%	0.430%
520	20.672	20.668	20.685	VV	34543	318094	15.78%	0.369%
521	20.689	20.685	20.702	VV	33208	328407	16.29%	0.381%
522	20.706	20.702	20.711	VV	32653	174308	8.65%	0.202%
523	20.731	20.711	20.740	VV	34874	578799	28.72%	0.672%
524	20.754	20.740	20.758	VV	36224	382551	18.98%	0.444%
525	20.765	20.758	20.785	VV	37991	584015	28.98%	0.678%
526	20.788	20.785	20.793	VV	36984	186058	9.23%	0.216%
527	20.804	20.793	20.831	VV	36095	770147	38.21%	0.894%
528	20.833	20.831	20.856	VV	32997	475674	23.60%	0.552%
529	20.876	20.856	20.933	VV	32996	1425652	70.74%	1.655%
530	20.938	20.933	20.941	VV	29265	131636	6.53%	0.153%
531	20.953	20.941	20.982	VV	29566	693600	34.41%	0.805%
532	20.992	20.982	21.000	VV	28010	286724	14.23%	0.333%
533	21.004	21.000	21.008	VV	27287	135616	6.73%	0.157%
534	21.013	21.008	21.024	VV	27778	253308	12.57%	0.294%
535	21.031	21.024	21.040	VV	26951	252475	12.53%	0.293%
536	21.053	21.040	21.070	VV	28648	493905	24.51%	0.573%
537	21.080	21.070	21.093	VV	26682	358192	17.77%	0.416%
538	21.097	21.093	21.107	VV	26207	211682	10.50%	0.246%
539	21.141	21.107	21.194	VV	64048	1933532	95.94%	2.244%
540	21.199	21.194	21.227	VV	21885	413997	20.54%	0.480%
541	21.231	21.227	21.236	VV	21681	99106	4.92%	0.115%
542	21.240	21.236	21.251	VV	21296	186132	9.24%	0.216%
543	21.254	21.251	21.258	VV	20469	90814	4.51%	0.105%
544	21.262	21.258	21.270	VV	20237	135020	6.70%	0.157%
545	21.273	21.270	21.278	VV	20286	98379	4.88%	0.114%
546	21.281	21.278	21.289	VV	20207	120359	5.97%	0.140%
547	21.296	21.289	21.303	VV	20721	163434	8.11%	0.190%
548	21.307	21.303	21.315	VV	19819	142674	7.08%	0.166%
549	21.341	21.315	21.356	VV	23356	496623	24.64%	0.576%
550	21.360	21.356	21.364	VV	20840	97651	4.85%	0.113%
551	21.369	21.364	21.383	VV	20232	207844	10.31%	0.241%
552	21.387	21.383	21.393	VV	19408	116722	5.79%	0.135%
553	21.396	21.393	21.417	VV	19396	256082	12.71%	0.297%
554	21.418	21.417	21.434	VV	18000	177783	8.82%	0.206%
555	21.440	21.434	21.452	VV	17657	165920	8.23%	0.193%
556	21.465	21.452	21.493	VV	17331	384065	19.06%	0.446%
557	21.501	21.493	21.506	VV	15293	108915	5.40%	0.126%
558	21.510	21.506	21.538	VV	15212	262530	13.03%	0.305%
559	21.543	21.538	21.556	VV	14465	135921	6.74%	0.158%
560	21.565	21.556	21.597	VV	15194	322659	16.01%	0.374%
561	21.601	21.597	21.606	VV	12658	64477	3.20%	0.075%

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562	21.616	21.606	21.623	VV	11302	112374	5.58%	0.130%
563	21.637	21.623	21.641	VV	12556	117556	5.83%	0.136%
564	21.654	21.641	21.658	VV	13293	123832	6.14%	0.144%
565	21.663	21.658	21.676	VV	12641	122777	6.09%	0.142%
566	21.685	21.676	21.695	VV	12508	136209	6.76%	0.158%
567	21.701	21.695	21.712	VV	13006	118825	5.90%	0.138%
568	21.716	21.712	21.737	VV	12772	164985	8.19%	0.191%
569	21.740	21.737	21.743	VV	10655	40157	1.99%	0.047%
570	21.749	21.743	21.753	VV	10008	56902	2.82%	0.066%
571	21.766	21.753	21.772	VV	10239	106063	5.26%	0.123%
572	21.778	21.772	21.789	VV	9887	93234	4.63%	0.108%
573	21.794	21.789	21.819	VV	9611	150291	7.46%	0.174%
574	21.827	21.819	21.852	VV	9169	146768	7.28%	0.170%
575	21.857	21.852	21.868	VV	6953	59491	2.95%	0.069%
576	21.875	21.868	21.879	VV	6971	35623	1.77%	0.041%
577	21.886	21.879	21.897	VV	6954	59087	2.93%	0.069%
578	21.903	21.897	21.920	VV	5125	55625	2.76%	0.065%
579	21.923	21.920	21.926	VV	4164	12303	0.61%	0.014%
580	21.934	21.926	21.947	VV	4183	39319	1.95%	0.046%
581	21.950	21.947	21.967	VV	3472	23437	1.16%	0.027%
582	21.984	21.967	21.991	PV	2560	25996	1.29%	0.030%
583	21.994	21.991	22.008	VV	2069	14248	0.71%	0.017%
584	22.057	22.008	22.070	PBA	19732	364061	18.06%	0.423%
					Sum of corrected areas:		86164903	

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