

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012624\
 Data File : FG013372.D
 Signal(s) : FID1A.ch
 Acq On : 26 Jan 2024 15:31
 Sample : P1241-01MSD 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG010824.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.947	1.918	1.976	BV	440	4278	0.03%	0.003%
2	1.980	1.976	1.990	PV	84	479	0.00%	0.000%
3	1.994	1.990	2.013	VV	130	936	0.01%	0.001%
4	2.060	2.013	2.112	VV	24953	265129	1.71%	0.190%
5	2.115	2.112	2.126	VV	123	795	0.01%	0.001%
6	2.134	2.126	2.159	VV	173	2121	0.01%	0.002%
7	2.164	2.159	2.187	PV	65	837	0.01%	0.001%
8	2.192	2.187	2.198	VV	91	440	0.00%	0.000%
9	2.205	2.198	2.229	VV	89	1089	0.01%	0.001%
10	2.234	2.229	2.248	VV	72	578	0.00%	0.000%
11	2.258	2.248	2.265	VV	88	532	0.00%	0.000%
12	2.269	2.265	2.273	PV	55	202	0.00%	0.000%
13	2.290	2.273	2.323	VV	251	3812	0.02%	0.003%
14	2.326	2.323	2.333	VV	119	286	0.00%	0.000%
15	2.355	2.333	2.400	PV	1102	13972	0.09%	0.010%
16	2.408	2.400	2.429	VV	150	1812	0.01%	0.001%
17	2.435	2.429	2.446	VV	97	480	0.00%	0.000%
18	2.449	2.446	2.458	PV	106	294	0.00%	0.000%
19	2.476	2.458	2.497	VV	130	1737	0.01%	0.001%
20	2.502	2.497	2.518	VV	112	907	0.01%	0.001%
21	2.534	2.518	2.546	VV	105	1161	0.01%	0.001%
22	2.549	2.546	2.555	VV	92	397	0.00%	0.000%
23	2.558	2.555	2.579	VV	142	1119	0.01%	0.001%
24	2.583	2.579	2.593	VV	101	541	0.00%	0.000%
25	2.595	2.593	2.613	VV	116	616	0.00%	0.000%
26	2.633	2.613	2.650	PV	150	2045	0.01%	0.001%
27	2.665	2.650	2.677	VV	136	1678	0.01%	0.001%
28	2.683	2.677	2.704	VV	123	1604	0.01%	0.001%
29	2.708	2.704	2.718	VV	128	786	0.01%	0.001%
30	2.722	2.718	2.728	VV	94	496	0.00%	0.000%
31	2.753	2.728	2.783	VV	258	5552	0.04%	0.004%
32	2.786	2.783	2.793	VV	181	823	0.01%	0.001%
33	2.808	2.793	2.813	VV	185	1485	0.01%	0.001%
34	2.818	2.813	2.836	VV	149	1802	0.01%	0.001%
35	2.840	2.836	2.848	VV	174	1113	0.01%	0.001%
36	2.852	2.848	2.857	VV	167	716	0.00%	0.001%

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37	2.863	2.857	2.894	PV	223	3262	0.02%	0.002%
38	2.901	2.894	2.906	VV	156	844	0.01%	0.001%
39	2.920	2.906	2.926	VV	208	1831	0.01%	0.001%
40	2.944	2.926	2.959	VV	267	4436	0.03%	0.003%
41	2.964	2.959	2.985	VV	261	2603	0.02%	0.002%
42	2.991	2.985	3.002	VV	168	1207	0.01%	0.001%
43	3.005	3.002	3.009	VV	145	483	0.00%	0.000%
44	3.022	3.009	3.036	VV	253	2617	0.02%	0.002%
45	3.041	3.036	3.054	VV	114	875	0.01%	0.001%
46	3.069	3.054	3.083	VV	241	3198	0.02%	0.002%
47	3.087	3.083	3.091	VV	162	703	0.00%	0.001%
48	3.107	3.091	3.123	VV	254	3624	0.02%	0.003%
49	3.140	3.123	3.155	VV	196	2430	0.02%	0.002%
50	3.162	3.155	3.167	VV	103	545	0.00%	0.000%
51	3.198	3.167	3.217	VV	257	3994	0.03%	0.003%
52	3.231	3.217	3.277	VV	181	4257	0.03%	0.003%
53	3.282	3.277	3.287	VV	102	483	0.00%	0.000%
54	3.290	3.287	3.296	VV	90	479	0.00%	0.000%
55	3.305	3.296	3.310	VV	143	871	0.01%	0.001%
56	3.328	3.310	3.338	VV	348	4404	0.03%	0.003%
57	3.346	3.338	3.373	VV	290	3835	0.02%	0.003%
58	3.379	3.373	3.383	VV	138	634	0.00%	0.000%
59	3.387	3.383	3.404	VV	155	877	0.01%	0.001%
60	3.407	3.404	3.421	VV	68	465	0.00%	0.000%
61	3.438	3.421	3.445	PV	107	881	0.01%	0.001%
62	3.448	3.445	3.456	VV	108	525	0.00%	0.000%
63	3.475	3.456	3.494	VV	194	3007	0.02%	0.002%
64	3.499	3.494	3.528	VV	191	2428	0.02%	0.002%
65	3.544	3.528	3.555	VV	233	2292	0.01%	0.002%
66	3.566	3.555	3.589	VV	175	2833	0.02%	0.002%
67	3.605	3.589	3.627	VV	835	10306	0.07%	0.007%
68	3.647	3.627	3.667	VV	499	8018	0.05%	0.006%
69	3.683	3.667	3.710	VV	508	8496	0.05%	0.006%
70	3.724	3.710	3.742	VV	336	4536	0.03%	0.003%
71	3.748	3.742	3.761	VV	210	1859	0.01%	0.001%
72	3.778	3.761	3.810	VV	630	10380	0.07%	0.007%
73	3.814	3.810	3.829	VV	291	2145	0.01%	0.002%
74	3.842	3.829	3.848	VV	257	2168	0.01%	0.002%
75	3.862	3.848	3.875	VV	389	4727	0.03%	0.003%
76	3.876	3.875	3.894	VV	256	2033	0.01%	0.001%
77	3.913	3.894	3.929	VV	612	7433	0.05%	0.005%
78	3.934	3.929	3.952	VV	275	3070	0.02%	0.002%
79	3.967	3.952	3.992	VV	432	5610	0.04%	0.004%
80	4.011	3.992	4.039	VV	503	9572	0.06%	0.007%
81	4.043	4.039	4.083	VV	401	5876	0.04%	0.004%
82	4.108	4.083	4.138	PV	983	18021	0.12%	0.013%
83	4.157	4.138	4.183	VV	1336	18655	0.12%	0.013%
84	4.188	4.183	4.208	VV	481	5870	0.04%	0.004%
85	4.230	4.208	4.254	VV	617	10812	0.07%	0.008%
86	4.257	4.254	4.265	VV	121	573	0.00%	0.000%
87	4.277	4.265	4.288	VV	145	1486	0.01%	0.001%
88	4.313	4.288	4.341	VV	2346	41135	0.26%	0.030%
89	4.356	4.341	4.388	VV	904	15455	0.10%	0.011%

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90	4.397	4.388	4.415	VV	359	4540	0.03%	0.003%
91	4.422	4.415	4.434	VV	190	1481	0.01%	0.001%
92	4.443	4.434	4.448	PV	68	228	0.00%	0.000%
93	4.479	4.448	4.502	VV	456	7940	0.05%	0.006%
94	4.527	4.502	4.555	VV	637	10199	0.07%	0.007%
95	4.584	4.555	4.609	VV	49247	503006	3.24%	0.361%
96	4.621	4.609	4.639	VV	1256	12561	0.08%	0.009%
97	4.660	4.639	4.679	PV	726	8654	0.06%	0.006%
98	4.693	4.679	4.709	VV	320	3123	0.02%	0.002%
99	4.713	4.709	4.723	VV	110	673	0.00%	0.000%
100	4.740	4.723	4.749	VV	599	5821	0.04%	0.004%
101	4.757	4.749	4.783	VV	614	9261	0.06%	0.007%
102	4.800	4.783	4.818	VV	810	11906	0.08%	0.009%
103	4.836	4.818	4.853	VV	539	8658	0.06%	0.006%
104	4.870	4.853	4.883	VV	1974	20204	0.13%	0.015%
105	4.894	4.883	4.911	VV	1201	12656	0.08%	0.009%
106	4.930	4.911	4.938	VV	1009	11875	0.08%	0.009%
107	4.949	4.938	4.964	VV	1274	15018	0.10%	0.011%
108	4.972	4.964	4.979	VV	613	5441	0.04%	0.004%
109	5.001	4.979	5.016	VV	2133	27622	0.18%	0.020%
110	5.047	5.016	5.067	VV	1937	35956	0.23%	0.026%
111	5.097	5.067	5.139	VV	3033	54008	0.35%	0.039%
112	5.165	5.139	5.188	VV	1590	21335	0.14%	0.015%
113	5.201	5.188	5.223	VV	915	10935	0.07%	0.008%
114	5.263	5.223	5.274	VV	1701	22664	0.15%	0.016%
115	5.293	5.274	5.319	VV	3221	50252	0.32%	0.036%
116	5.339	5.319	5.355	VV	3186	36349	0.23%	0.026%
117	5.371	5.355	5.386	VV	2941	32377	0.21%	0.023%
118	5.405	5.386	5.445	VV	2827	41599	0.27%	0.030%
119	5.461	5.445	5.484	PV	443	6764	0.04%	0.005%
120	5.505	5.484	5.517	VV	1744	21021	0.14%	0.015%
121	5.529	5.517	5.551	VV	1861	27328	0.18%	0.020%
122	5.572	5.551	5.586	VV	2696	38297	0.25%	0.028%
123	5.600	5.586	5.618	VV	2941	36544	0.24%	0.026%
124	5.631	5.618	5.649	VV	1134	18386	0.12%	0.013%
125	5.665	5.649	5.682	VV	1685	21477	0.14%	0.015%
126	5.695	5.682	5.702	VV	705	6506	0.04%	0.005%
127	5.723	5.702	5.766	VV	17441	250246	1.61%	0.180%
128	5.778	5.766	5.785	VV	949	9165	0.06%	0.007%
129	5.795	5.785	5.813	VV	1056	13591	0.09%	0.010%
130	5.818	5.813	5.833	VV	479	3942	0.03%	0.003%
131	5.854	5.833	5.865	VV	780	10166	0.07%	0.007%
132	5.877	5.865	5.888	VV	740	7657	0.05%	0.006%
133	5.910	5.888	5.940	VV	6131	94205	0.61%	0.068%
134	5.948	5.940	5.963	VV	1353	14137	0.09%	0.010%
135	5.990	5.963	6.000	VV	2212	29296	0.19%	0.021%
136	6.016	6.000	6.024	VV	5351	57481	0.37%	0.041%
137	6.033	6.024	6.060	VV	4985	69326	0.45%	0.050%
138	6.070	6.060	6.078	VV	1654	15155	0.10%	0.011%
139	6.091	6.078	6.096	VV	2061	18044	0.12%	0.013%
140	6.111	6.096	6.128	VV	6312	69698	0.45%	0.050%
141	6.137	6.128	6.141	VV	1587	11240	0.07%	0.008%

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142	6.156	6.141	6.176	VV	2767	37723	0.24%	0.027%
143	6.202	6.176	6.222	VV	2927	39437	0.25%	0.028%
144	6.255	6.222	6.275	VV	3666	61806	0.40%	0.044%
145	6.307	6.275	6.311	VV	3349	50195	0.32%	0.036%
146	6.315	6.311	6.340	VV	3356	48752	0.31%	0.035%
147	6.354	6.340	6.373	VV	3681	44564	0.29%	0.032%
148	6.399	6.373	6.418	VV	5219	68617	0.44%	0.049%
149	6.440	6.418	6.452	VV	3973	59195	0.38%	0.043%
150	6.464	6.452	6.509	VV	4707	96382	0.62%	0.069%
151	6.525	6.509	6.539	VV	3355	38596	0.25%	0.028%
152	6.551	6.539	6.561	VV	2239	26648	0.17%	0.019%
153	6.580	6.561	6.611	VV	3729	67131	0.43%	0.048%
154	6.629	6.611	6.653	VV	2420	44433	0.29%	0.032%
155	6.680	6.653	6.698	VV	5505	85371	0.55%	0.061%
156	6.702	6.698	6.713	VV	1831	14509	0.09%	0.010%
157	6.726	6.713	6.732	VV	1814	17750	0.11%	0.013%
158	6.755	6.732	6.805	VV	83738	883791	5.69%	0.635%
159	6.816	6.805	6.826	VV	928	10381	0.07%	0.007%
160	6.844	6.826	6.855	VV	1946	24508	0.16%	0.018%
161	6.877	6.855	6.890	VV	2813	49087	0.32%	0.035%
162	6.909	6.890	6.936	VV	10167	133908	0.86%	0.096%
163	6.954	6.936	6.971	VV	4033	59412	0.38%	0.043%
164	6.983	6.971	6.996	VV	2498	27468	0.18%	0.020%
165	7.038	6.996	7.060	VV	6219	103018	0.66%	0.074%
166	7.086	7.060	7.091	VV	3852	45719	0.29%	0.033%
167	7.100	7.091	7.114	VV	4357	49209	0.32%	0.035%
168	7.121	7.114	7.135	VV	2473	23457	0.15%	0.017%
169	7.162	7.135	7.192	VV	13213	175938	1.13%	0.126%
170	7.200	7.192	7.213	VV	1327	15508	0.10%	0.011%
171	7.235	7.213	7.252	VV	3715	57224	0.37%	0.041%
172	7.287	7.252	7.309	VV	6408	134624	0.87%	0.097%
173	7.330	7.309	7.357	VV	8694	115344	0.74%	0.083%
174	7.394	7.357	7.419	VV	8548	192376	1.24%	0.138%
175	7.435	7.419	7.456	VV	5838	74345	0.48%	0.053%
176	7.477	7.456	7.513	VV	10312	156457	1.01%	0.112%
177	7.531	7.513	7.558	VV	4427	79674	0.51%	0.057%
178	7.579	7.558	7.595	VV	3943	55026	0.35%	0.040%
179	7.608	7.595	7.616	VV	2352	25211	0.16%	0.018%
180	7.624	7.616	7.641	VV	2190	30295	0.20%	0.022%
181	7.681	7.641	7.688	VV	10415	136503	0.88%	0.098%
182	7.704	7.688	7.728	VV	35657	400274	2.58%	0.288%
183	7.744	7.728	7.752	VV	3761	44239	0.28%	0.032%
184	7.758	7.752	7.767	VV	3614	30691	0.20%	0.022%
185	7.773	7.767	7.784	VV	3630	34482	0.22%	0.025%
186	7.792	7.784	7.812	VV	3026	42828	0.28%	0.031%
187	7.829	7.812	7.854	VV	2458	51449	0.33%	0.037%
188	7.879	7.854	7.914	VV	9723	180527	1.16%	0.130%
189	7.933	7.914	7.952	VV	3914	57106	0.37%	0.041%
190	7.974	7.952	7.987	VV	2497	36129	0.23%	0.026%
191	7.998	7.987	8.007	VV	2677	27473	0.18%	0.020%
192	8.021	8.007	8.031	VV	4595	53001	0.34%	0.038%
193	8.042	8.031	8.061	VV	4846	69365	0.45%	0.050%
194	8.077	8.061	8.114	VV	4182	88052	0.57%	0.063%

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195	8.137	8.114	8.153	VV	5233	88582	0.57%	0.064%
196	8.168	8.153	8.181	VV	5666	77848	0.50%	0.056%
197	8.189	8.181	8.209	VV	5171	65093	0.42%	0.047%
198	8.232	8.209	8.253	VV	6411	99256	0.64%	0.071%
199	8.280	8.253	8.300	VV	8537	132202	0.85%	0.095%
200	8.316	8.300	8.326	VV	7134	82293	0.53%	0.059%
201	8.338	8.326	8.363	VV	9150	117778	0.76%	0.085%
202	8.407	8.363	8.440	VV	11890	222161	1.43%	0.160%
203	8.461	8.440	8.477	VV	3040	58272	0.38%	0.042%
204	8.501	8.477	8.524	VV	6200	134660	0.87%	0.097%
205	8.539	8.524	8.545	VV	5714	63027	0.41%	0.045%
206	8.559	8.545	8.563	VV	6636	68180	0.44%	0.049%
207	8.588	8.563	8.615	VV	92821	1073137	6.91%	0.771%
208	8.632	8.615	8.651	VV	5323	92932	0.60%	0.067%
209	8.665	8.651	8.668	VV	3649	34655	0.22%	0.025%
210	8.691	8.668	8.718	VV	5396	123395	0.79%	0.089%
211	8.750	8.718	8.765	VV	6673	121818	0.78%	0.088%
212	8.775	8.765	8.791	VV	4443	58625	0.38%	0.042%
213	8.809	8.791	8.852	VV	5998	133379	0.86%	0.096%
214	8.882	8.852	8.905	VV	3602	81049	0.52%	0.058%
215	8.917	8.905	8.931	VV	2814	34878	0.22%	0.025%
216	8.968	8.931	8.994	VV	5363	162483	1.05%	0.117%
217	9.012	8.994	9.025	VV	5675	93123	0.60%	0.067%
218	9.043	9.025	9.066	VV	7168	140198	0.90%	0.101%
219	9.084	9.066	9.100	VV	5661	95058	0.61%	0.068%
220	9.129	9.100	9.156	VV	14734	250198	1.61%	0.180%
221	9.183	9.156	9.200	VV	5974	100640	0.65%	0.072%
222	9.211	9.200	9.222	VV	3362	38456	0.25%	0.028%
223	9.237	9.222	9.262	VV	4259	82086	0.53%	0.059%
224	9.279	9.262	9.297	VV	4140	69574	0.45%	0.050%
225	9.310	9.297	9.325	VV	2753	42089	0.27%	0.030%
226	9.358	9.325	9.377	VV	4628	111720	0.72%	0.080%
227	9.417	9.377	9.440	VV	38318	508222	3.27%	0.365%
228	9.447	9.440	9.485	VV	4774	89350	0.58%	0.064%
229	9.503	9.485	9.530	VV	4283	81575	0.53%	0.059%
230	9.562	9.530	9.583	VV	3806	85520	0.55%	0.061%
231	9.596	9.583	9.608	VV	2345	30294	0.20%	0.022%
232	9.621	9.608	9.633	VV	2875	36580	0.24%	0.026%
233	9.649	9.633	9.669	VV	3437	57419	0.37%	0.041%
234	9.677	9.669	9.687	VV	2357	24723	0.16%	0.018%
235	9.702	9.687	9.735	VV	4235	85376	0.55%	0.061%
236	9.749	9.735	9.768	VV	3119	52572	0.34%	0.038%
237	9.795	9.768	9.827	VV	8520	181907	1.17%	0.131%
238	9.839	9.827	9.849	VV	3728	45491	0.29%	0.033%
239	9.881	9.849	9.903	VV	6320	145749	0.94%	0.105%
240	9.927	9.903	9.945	VV	5941	96898	0.62%	0.070%
241	9.979	9.945	10.007	VV	5699	130144	0.84%	0.093%
242	10.029	10.007	10.056	VV	2118	51689	0.33%	0.037%
243	10.078	10.056	10.096	VV	1806	37422	0.24%	0.027%
244	10.117	10.096	10.122	VV	2680	34357	0.22%	0.025%
245	10.157	10.122	10.175	VV	5115	115935	0.75%	0.083%
246	10.201	10.175	10.251	VV	92218	1070776	6.90%	0.769%

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247	10.279	10.251	10.292	VV	2577	52833	0.34%	0.038%
248	10.307	10.292	10.349	VV	2550	55424	0.36%	0.040%
249	10.374	10.349	10.404	VV	2620	50865	0.33%	0.037%
250	10.413	10.404	10.425	VV	1362	15518	0.10%	0.011%
251	10.444	10.425	10.460	VV	1423	25829	0.17%	0.019%
252	10.475	10.460	10.493	VV	1777	27616	0.18%	0.020%
253	10.549	10.493	10.564	VV	3803	92046	0.59%	0.066%
254	10.591	10.564	10.619	VV	13009	214657	1.38%	0.154%
255	10.641	10.619	10.662	VV	4660	81048	0.52%	0.058%
256	10.680	10.662	10.700	VV	4800	74038	0.48%	0.053%
257	10.736	10.700	10.765	VV	4765	96762	0.62%	0.070%
258	10.784	10.765	10.799	VV	1441	22516	0.15%	0.016%
259	10.811	10.799	10.822	VV	1337	15776	0.10%	0.011%
260	10.846	10.822	10.862	VV	2356	41581	0.27%	0.030%
261	10.873	10.862	10.906	VV	1874	43788	0.28%	0.031%
262	10.943	10.906	10.976	VV	31773	417662	2.69%	0.300%
263	11.016	10.976	11.045	VV	11885	233140	1.50%	0.167%
264	11.058	11.045	11.095	VV	2293	45354	0.29%	0.033%
265	11.101	11.095	11.104	VV	565	2759	0.02%	0.002%
266	11.137	11.104	11.141	VV	998	17128	0.11%	0.012%
267	11.158	11.141	11.172	VV	1532	22211	0.14%	0.016%
268	11.193	11.172	11.209	VV	3791	50286	0.32%	0.036%
269	11.221	11.209	11.242	VV	2017	30327	0.20%	0.022%
270	11.271	11.242	11.303	VV	4064	90907	0.59%	0.065%
271	11.335	11.303	11.380	VV	4250	107835	0.69%	0.077%
272	11.399	11.380	11.433	VV	3211	52913	0.34%	0.038%
273	11.452	11.433	11.477	VV	2603	36748	0.24%	0.026%
274	11.504	11.477	11.527	VV	1456	25891	0.17%	0.019%
275	11.560	11.527	11.574	VV	1099	19950	0.13%	0.014%
276	11.592	11.574	11.599	VV	1199	15831	0.10%	0.011%
277	11.648	11.599	11.705	VV	80509	990652	6.38%	0.712%
278	11.739	11.705	11.778	VV	8757	153169	0.99%	0.110%
279	11.804	11.778	11.825	VV	761	13863	0.09%	0.010%
280	11.848	11.825	11.870	VV	1219	16360	0.11%	0.012%
281	11.912	11.870	11.923	PV	1262	27999	0.18%	0.020%
282	11.944	11.923	11.986	VV	2531	64446	0.42%	0.046%
283	12.002	11.986	12.016	VV	1795	23124	0.15%	0.017%
284	12.047	12.016	12.074	VV	2714	73506	0.47%	0.053%
285	12.083	12.074	12.107	VV	2336	32329	0.21%	0.023%
286	12.137	12.107	12.166	VV	2674	53465	0.34%	0.038%
287	12.180	12.166	12.190	VV	1044	11486	0.07%	0.008%
288	12.210	12.190	12.235	VV	3136	39451	0.25%	0.028%
289	12.257	12.235	12.275	PV	503	8082	0.05%	0.006%
290	12.321	12.275	12.345	VV	20312	287381	1.85%	0.206%
291	12.375	12.345	12.404	VV	248741	2870155	18.49%	2.062%
292	12.412	12.404	12.460	VV	1851	37986	0.24%	0.027%
293	12.471	12.460	12.494	VV	626	7926	0.05%	0.006%
294	12.502	12.494	12.508	PV	150	688	0.00%	0.000%
295	12.566	12.508	12.637	VV	30547	464330	2.99%	0.334%
296	12.656	12.637	12.677	VV	3408	50113	0.32%	0.036%
297	12.685	12.677	12.692	VV	1478	12484	0.08%	0.009%
298	12.703	12.692	12.709	VV	1725	16056	0.10%	0.012%
299	12.711	12.709	12.717	VV	1710	8144	0.05%	0.006%

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300	12.733	12.717	12.767	VV	2506	44108	0.28%	0.032%
301	12.807	12.767	12.829	VV	3900	77239	0.50%	0.055%
302	12.845	12.829	12.863	VV	1677	24580	0.16%	0.018%
303	12.902	12.863	12.928	VV	3431	66147	0.43%	0.048%
304	12.964	12.928	12.994	VV	70768	856209	5.52%	0.615%
305	13.020	12.994	13.074	VV	8194	148043	0.95%	0.106%
306	13.081	13.074	13.095	VV	785	8559	0.06%	0.006%
307	13.122	13.095	13.137	VV	1050	20071	0.13%	0.014%
308	13.148	13.137	13.172	VV	887	11243	0.07%	0.008%
309	13.186	13.172	13.190	PV	488	3686	0.02%	0.003%
310	13.216	13.190	13.237	VV	2045	35730	0.23%	0.026%
311	13.264	13.237	13.299	VV	1409	29975	0.19%	0.022%
312	13.320	13.299	13.342	PV	4350	57428	0.37%	0.041%
313	13.359	13.342	13.365	VV	3026	30449	0.20%	0.022%
314	13.406	13.365	13.438	VV	1086298	15524555	100.00%	11.151%
315	13.459	13.438	13.480	VV	477346	5843127	37.64%	4.197%
316	13.489	13.480	13.540	VV	38493	453363	2.92%	0.326%
317	13.584	13.540	13.607	VV	17308	298927	1.93%	0.215%
318	13.633	13.607	13.709	VV	98902	1376197	8.86%	0.989%
319	13.721	13.709	13.734	VV	1162	11856	0.08%	0.009%
320	13.751	13.734	13.757	VV	1732	17966	0.12%	0.013%
321	13.771	13.757	13.784	VV	2306	29047	0.19%	0.021%
322	13.805	13.784	13.842	VV	12401	179281	1.15%	0.129%
323	13.850	13.842	13.856	VV	1529	11704	0.08%	0.008%
324	13.859	13.856	13.882	VV	1329	14758	0.10%	0.011%
325	13.888	13.882	13.894	VV	751	4640	0.03%	0.003%
326	13.925	13.894	13.946	VV	2829	49489	0.32%	0.036%
327	13.965	13.946	13.986	VV	1621	22814	0.15%	0.016%
328	14.032	13.986	14.052	VV	1631	43898	0.28%	0.032%
329	14.066	14.052	14.079	VV	1515	20780	0.13%	0.015%
330	14.091	14.079	14.098	VV	1547	16190	0.10%	0.012%
331	14.114	14.098	14.135	VV	1648	25756	0.17%	0.019%
332	14.167	14.135	14.214	VV	59224	795019	5.12%	0.571%
333	14.222	14.214	14.247	VV	2000	27509	0.18%	0.020%
334	14.281	14.247	14.334	VV	2267	60014	0.39%	0.043%
335	14.400	14.334	14.425	PV	2741	83748	0.54%	0.060%
336	14.450	14.425	14.459	VV	3252	48208	0.31%	0.035%
337	14.470	14.459	14.507	VV	3032	50302	0.32%	0.036%
338	14.534	14.507	14.542	VV	2313	28379	0.18%	0.020%
339	14.555	14.542	14.566	VV	3015	36518	0.24%	0.026%
340	14.582	14.566	14.598	VV	2478	43116	0.28%	0.031%
341	14.643	14.598	14.670	VV	10124	245189	1.58%	0.176%
342	14.683	14.670	14.700	VV	2581	33330	0.21%	0.024%
343	14.728	14.700	14.764	VV	12691	221102	1.42%	0.159%
344	14.788	14.764	14.814	VV	12109	174438	1.12%	0.125%
345	14.831	14.814	14.837	VV	2539	28022	0.18%	0.020%
346	14.847	14.837	14.876	VV	3577	49038	0.32%	0.035%
347	14.897	14.876	14.919	VV	2525	32461	0.21%	0.023%
348	14.947	14.919	14.971	PV	4165	63358	0.41%	0.046%
349	14.988	14.971	15.002	VV	1550	18762	0.12%	0.013%
350	15.015	15.002	15.020	VV	1606	14019	0.09%	0.010%
351	15.023	15.020	15.030	VV	1417	7970	0.05%	0.006%

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352	15.071	15.030	15.099	VV	29263	430828	2.78%	0.309%
353	15.110	15.099	15.129	VV	1324	18224	0.12%	0.013%
354	15.134	15.129	15.139	VV	735	3958	0.03%	0.003%
355	15.197	15.139	15.221	VV	5674	117075	0.75%	0.084%
356	15.275	15.221	15.309	VV	52566	736507	4.74%	0.529%
357	15.342	15.309	15.357	VV	1951	39113	0.25%	0.028%
358	15.362	15.357	15.390	VV	1427	18586	0.12%	0.013%
359	15.412	15.390	15.450	VV	2262	46805	0.30%	0.034%
360	15.468	15.450	15.480	VV	1245	13047	0.08%	0.009%
361	15.489	15.480	15.497	PV	577	3366	0.02%	0.002%
362	15.518	15.497	15.525	VV	1723	20039	0.13%	0.014%
363	15.538	15.525	15.551	VV	1530	20088	0.13%	0.014%
364	15.556	15.551	15.562	VV	1156	6557	0.04%	0.005%
365	15.568	15.562	15.574	VV	994	5375	0.03%	0.004%
366	15.590	15.574	15.620	VV	1677	29111	0.19%	0.021%
367	15.655	15.620	15.688	VV	9520	170192	1.10%	0.122%
368	15.699	15.688	15.719	VV	1867	23947	0.15%	0.017%
369	15.726	15.719	15.743	VV	1176	10878	0.07%	0.008%
370	15.760	15.743	15.766	VV	963	9016	0.06%	0.006%
371	15.795	15.766	15.824	VV	5306	88024	0.57%	0.063%
372	15.855	15.824	15.871	VV	8315	127185	0.82%	0.091%
373	15.880	15.871	15.905	VV	3652	53227	0.34%	0.038%
374	15.914	15.905	15.920	VV	1950	14236	0.09%	0.010%
375	15.928	15.920	15.956	VV	2327	29411	0.19%	0.021%
376	15.963	15.956	15.966	PV	406	1340	0.01%	0.001%
377	16.014	15.966	16.022	VV	2808	51078	0.33%	0.037%
378	16.026	16.022	16.032	VV	2773	14975	0.10%	0.011%
379	16.050	16.032	16.056	VV	2622	33047	0.21%	0.024%
380	16.059	16.056	16.089	VV	2183	27631	0.18%	0.020%
381	16.108	16.089	16.120	VV	1269	20153	0.13%	0.014%
382	16.128	16.120	16.145	VV	1572	12298	0.08%	0.009%
383	16.180	16.145	16.199	VV	1679	36320	0.23%	0.026%
384	16.216	16.199	16.231	VV	1934	25086	0.16%	0.018%
385	16.239	16.231	16.256	VV	1610	16872	0.11%	0.012%
386	16.299	16.256	16.344	VV	45728	682343	4.40%	0.490%
387	16.356	16.344	16.375	VV	2148	28617	0.18%	0.021%
388	16.384	16.375	16.390	VV	971	6757	0.04%	0.005%
389	16.395	16.390	16.399	VV	918	4474	0.03%	0.003%
390	16.410	16.399	16.423	VV	1193	12327	0.08%	0.009%
391	16.433	16.423	16.445	PV	939	6085	0.04%	0.004%
392	16.488	16.445	16.491	VV	3227	51574	0.33%	0.037%
393	16.497	16.491	16.510	VV	3563	29562	0.19%	0.021%
394	16.518	16.510	16.539	VV	2105	27348	0.18%	0.020%
395	16.556	16.539	16.561	VV	1865	18448	0.12%	0.013%
396	16.593	16.561	16.620	VV	4144	96142	0.62%	0.069%
397	16.636	16.620	16.655	VV	2782	49611	0.32%	0.036%
398	16.674	16.655	16.720	VV	5313	122861	0.79%	0.088%
399	16.781	16.720	16.825	VV	7421	229352	1.48%	0.165%
400	16.847	16.825	16.859	VV	4794	72538	0.47%	0.052%
401	16.866	16.859	16.877	VV	4300	40541	0.26%	0.029%
402	16.898	16.877	16.902	VV	4532	56466	0.36%	0.041%
403	16.909	16.902	16.930	VV	4954	72302	0.47%	0.052%
404	16.953	16.930	16.975	VV	4844	105641	0.68%	0.076%

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405	16.998	16.975	17.029	VV	5846	132582	0.85%	0.095%
406	17.051	17.029	17.058	VV	4794	68197	0.44%	0.049%
407	17.065	17.058	17.077	VV	4995	53067	0.34%	0.038%
408	17.089	17.077	17.111	VV	5497	94182	0.61%	0.068%
409	17.147	17.111	17.163	VV	5872	143421	0.92%	0.103%
410	17.173	17.163	17.190	VV	3879	57376	0.37%	0.041%
411	17.215	17.190	17.222	VV	5385	87677	0.56%	0.063%
412	17.253	17.222	17.280	VV	48153	805374	5.19%	0.578%
413	17.285	17.280	17.295	VV	10634	87230	0.56%	0.063%
414	17.309	17.295	17.326	VV	9596	154954	1.00%	0.111%
415	17.330	17.326	17.341	VV	6644	56403	0.36%	0.041%
416	17.358	17.341	17.374	VV	6708	118970	0.77%	0.085%
417	17.382	17.374	17.405	VV	6287	101903	0.66%	0.073%
418	17.444	17.405	17.453	VV	7416	179691	1.16%	0.129%
419	17.504	17.453	17.529	VV	8551	334771	2.16%	0.240%
420	17.558	17.529	17.567	VV	7623	149732	0.96%	0.108%
421	17.584	17.567	17.601	VV	8746	154505	1.00%	0.111%
422	17.614	17.601	17.628	VV	7221	109537	0.71%	0.079%
423	17.643	17.628	17.663	VV	8621	157349	1.01%	0.113%
424	17.680	17.663	17.696	VV	9655	160118	1.03%	0.115%
425	17.706	17.696	17.723	VV	8762	119821	0.77%	0.086%
426	17.747	17.723	17.764	VV	7144	147260	0.95%	0.106%
427	17.779	17.764	17.798	VV	6268	114187	0.74%	0.082%
428	17.821	17.798	17.843	VV	10028	195241	1.26%	0.140%
429	17.851	17.843	17.859	VV	5383	47393	0.31%	0.034%
430	17.880	17.859	17.895	VV	8753	157409	1.01%	0.113%
431	17.901	17.895	17.908	VV	6968	50764	0.33%	0.036%
432	17.915	17.908	17.924	VV	7057	61064	0.39%	0.044%
433	17.936	17.924	17.943	VV	6869	71958	0.46%	0.052%
434	17.948	17.943	17.958	VV	6490	54686	0.35%	0.039%
435	17.984	17.958	17.989	VV	7071	119642	0.77%	0.086%
436	18.001	17.989	18.010	VV	8315	95032	0.61%	0.068%
437	18.055	18.010	18.077	VV	11200	362425	2.33%	0.260%
438	18.102	18.077	18.108	VV	12075	189332	1.22%	0.136%
439	18.146	18.108	18.179	VV	54359	1069408	6.89%	0.768%
440	18.197	18.179	18.225	VV	11878	275504	1.77%	0.198%
441	18.298	18.225	18.317	VV	18965	675882	4.35%	0.485%
442	18.321	18.317	18.327	VV	14085	77780	0.50%	0.056%
443	18.333	18.327	18.367	VV	13325	266106	1.71%	0.191%
444	18.374	18.367	18.378	VV	9089	59392	0.38%	0.043%
445	18.395	18.378	18.417	VV	9970	213536	1.38%	0.153%
446	18.426	18.417	18.434	VV	9455	87000	0.56%	0.062%
447	18.441	18.434	18.446	VV	9856	67063	0.43%	0.048%
448	18.507	18.446	18.518	VV	18399	561649	3.62%	0.403%
449	18.524	18.518	18.552	VV	15392	278834	1.80%	0.200%
450	18.572	18.552	18.593	VV	16683	336070	2.16%	0.241%
451	18.612	18.593	18.625	VV	15101	256935	1.66%	0.185%
452	18.668	18.625	18.692	VV	25320	738287	4.76%	0.530%
453	18.700	18.692	18.714	VV	17640	224518	1.45%	0.161%
454	18.737	18.714	18.745	VV	15558	270637	1.74%	0.194%
455	18.784	18.745	18.801	VV	18027	542088	3.49%	0.389%
456	18.817	18.801	18.841	VV	18290	395384	2.55%	0.284%

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457	18.870	18.841	18.882	VV	18112	403597	2.60%	0.290%
458	18.893	18.882	18.902	VV	17186	203745	1.31%	0.146%
459	18.908	18.902	18.912	VV	16439	96886	0.62%	0.070%
460	18.925	18.912	18.930	VV	17254	181722	1.17%	0.131%
461	18.939	18.930	18.944	VV	17451	140918	0.91%	0.101%
462	18.983	18.944	19.024	VV	60629	1471193	9.48%	1.057%
463	19.047	19.024	19.055	VV	19500	351757	2.27%	0.253%
464	19.089	19.055	19.120	VV	29531	871412	5.61%	0.626%
465	19.145	19.120	19.169	VV	27538	694998	4.48%	0.499%
466	19.179	19.169	19.187	VV	21560	232015	1.49%	0.167%
467	19.204	19.187	19.211	VV	20977	287075	1.85%	0.206%
468	19.227	19.211	19.237	VV	22961	344476	2.22%	0.247%
469	19.262	19.237	19.267	VV	25414	427068	2.75%	0.307%
470	19.277	19.267	19.297	VV	24943	423117	2.73%	0.304%
471	19.336	19.297	19.363	VV	34204	1104229	7.11%	0.793%
472	19.383	19.363	19.408	VV	34331	829161	5.34%	0.596%
473	19.429	19.408	19.442	VV	32294	609018	3.92%	0.437%
474	19.468	19.442	19.472	VV	30924	535572	3.45%	0.385%
475	19.489	19.472	19.509	VV	35622	722179	4.65%	0.519%
476	19.520	19.509	19.536	VV	31329	488810	3.15%	0.351%
477	19.549	19.536	19.558	VV	29918	389676	2.51%	0.280%
478	19.567	19.558	19.573	VV	30325	251714	1.62%	0.181%
479	19.580	19.573	19.598	VV	31019	453655	2.92%	0.326%
480	19.617	19.598	19.625	VV	30479	484761	3.12%	0.348%
481	19.631	19.625	19.670	VV	29082	726226	4.68%	0.522%
482	19.682	19.670	19.689	VV	26409	298297	1.92%	0.214%
483	19.697	19.689	19.710	VV	25860	321345	2.07%	0.231%
484	19.716	19.710	19.720	VV	25688	149487	0.96%	0.107%
485	19.737	19.720	19.742	VV	27922	346439	2.23%	0.249%
486	19.770	19.742	19.794	VV	65286	1417712	9.13%	1.018%
487	19.804	19.794	19.817	VV	37873	510877	3.29%	0.367%
488	19.822	19.817	19.835	VV	36371	383732	2.47%	0.276%
489	19.847	19.835	19.856	VV	36522	435824	2.81%	0.313%
490	19.874	19.856	19.878	VV	37040	454277	2.93%	0.326%
491	19.896	19.878	19.901	VV	38207	507043	3.27%	0.364%
492	19.904	19.901	19.921	VV	37587	433367	2.79%	0.311%
493	19.939	19.921	19.947	VV	37586	557325	3.59%	0.400%
494	19.968	19.947	19.975	VV	38221	614754	3.96%	0.442%
495	19.979	19.975	19.987	VV	37356	275523	1.77%	0.198%
496	20.006	19.987	20.012	VV	38297	557290	3.59%	0.400%
497	20.019	20.012	20.024	VV	38180	270063	1.74%	0.194%
498	20.037	20.024	20.043	VV	40055	438816	2.83%	0.315%
499	20.052	20.043	20.074	VV	41003	709456	4.57%	0.510%
500	20.081	20.074	20.098	VV	39816	564073	3.63%	0.405%
501	20.123	20.098	20.142	VV	48748	1174355	7.56%	0.844%
502	20.155	20.142	20.180	VV	46688	983465	6.33%	0.706%
503	20.202	20.180	20.215	VV	48744	948420	6.11%	0.681%
504	20.221	20.215	20.229	VV	45190	372066	2.40%	0.267%
505	20.234	20.229	20.246	VV	43150	437035	2.82%	0.314%
506	20.254	20.246	20.259	VV	43307	321110	2.07%	0.231%
507	20.289	20.259	20.297	VV	48280	1048329	6.75%	0.753%
508	20.306	20.297	20.319	VV	49387	635520	4.09%	0.456%
509	20.327	20.319	20.349	VV	50822	854077	5.50%	0.613%

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510	20.359	20.349	20.365	VV	50124	475456	3.06%	0.342%
511	20.370	20.365	20.379	VV	50352	390147	2.51%	0.280%
512	20.385	20.379	20.394	VV	49934	437495	2.82%	0.314%
513	20.399	20.394	20.405	VV	48567	333124	2.15%	0.239%
514	20.427	20.405	20.449	VV	54261	1325891	8.54%	0.952%
515	20.454	20.449	20.458	VV	51033	263996	1.70%	0.190%
516	20.515	20.458	20.562	VV	85634	3878520	24.98%	2.786%
517	20.568	20.562	20.571	VV	56802	290426	1.87%	0.209%
518	20.576	20.571	20.584	VV	56606	438086	2.82%	0.315%
519	20.589	20.584	20.612	VV	56369	935414	6.03%	0.672%
520	20.622	20.612	20.627	VV	53170	470281	3.03%	0.338%
521	20.631	20.627	20.641	VV	52843	427941	2.76%	0.307%
522	20.655	20.641	20.671	VV	53552	938992	6.05%	0.674%
523	20.686	20.671	20.698	VV	56902	889411	5.73%	0.639%
524	20.704	20.698	20.708	VV	55544	316202	2.04%	0.227%
525	20.716	20.708	20.722	VV	56928	468030	3.01%	0.336%
526	20.747	20.722	20.756	VV	59794	1171031	7.54%	0.841%
527	20.763	20.756	20.768	VV	59087	407015	2.62%	0.292%
528	20.776	20.768	20.780	VV	59494	439694	2.83%	0.316%
529	20.816	20.780	20.831	VV	66497	1938632	12.49%	1.393%
530	20.836	20.831	20.861	VV	64342	1103354	7.11%	0.793%
531	20.869	20.861	20.949	VV	60420	2744367	17.68%	1.971%
532	20.954	20.949	20.960	VV	42951	294051	1.89%	0.211%
533	20.981	20.960	20.986	VV	45398	665235	4.29%	0.478%
534	20.992	20.986	20.999	VV	44834	333457	2.15%	0.240%
535	21.018	20.999	21.023	VV	46440	670770	4.32%	0.482%
536	21.064	21.023	21.069	VV	49065	1277582	8.23%	0.918%
537	21.088	21.069	21.094	VV	51792	755100	4.86%	0.542%
538	21.103	21.094	21.109	VV	52988	484532	3.12%	0.348%
539	21.117	21.109	21.124	VV	52391	449695	2.90%	0.323%
540	21.130	21.124	21.149	VV	52534	755042	4.86%	0.542%
541	21.162	21.149	21.174	VV	51348	766778	4.94%	0.551%
542	21.182	21.174	21.188	VV	50570	407131	2.62%	0.292%
543	21.198	21.188	21.221	VV	51581	984124	6.34%	0.707%
544	21.227	21.221	21.232	VV	44730	293011	1.89%	0.210%
545	21.272	21.232	21.302	VV	64376	2124353	13.68%	1.526%
546	21.306	21.302	21.330	VV	38880	629426	4.05%	0.452%
547	21.336	21.330	21.359	VV	36151	600101	3.87%	0.431%
548	21.364	21.359	21.369	VV	34724	216306	1.39%	0.155%
549	21.378	21.369	21.389	VV	34674	405754	2.61%	0.291%
550	21.396	21.389	21.402	VV	35085	267241	1.72%	0.192%
551	21.426	21.402	21.439	VV	38371	827917	5.33%	0.595%
552	21.446	21.439	21.451	VV	37954	262160	1.69%	0.188%
553	21.454	21.451	21.458	VV	37290	153387	0.99%	0.110%
554	21.462	21.458	21.470	VV	36977	267182	1.72%	0.192%
555	21.478	21.470	21.487	VV	36415	354632	2.28%	0.255%
556	21.496	21.487	21.521	VV	35512	714517	4.60%	0.513%
557	21.539	21.521	21.564	VV	35568	862086	5.55%	0.619%
558	21.569	21.564	21.573	VV	32970	178444	1.15%	0.128%
559	21.579	21.573	21.585	VV	32831	222999	1.44%	0.160%
560	21.590	21.585	21.598	VV	32739	249026	1.60%	0.179%
561	21.605	21.598	21.620	VV	31959	415904	2.68%	0.299%

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562	21.626	21.620	21.632	VV	30814	215663	1.39%	0.155%
563	21.642	21.632	21.661	VV	31775	525449	3.38%	0.377%
564	21.668	21.661	21.674	VV	30001	237093	1.53%	0.170%
565	21.683	21.674	21.697	VV	31262	410315	2.64%	0.295%
566	21.714	21.697	21.746	VV	32621	904205	5.82%	0.649%
567	21.752	21.746	21.845	VV	31514	1464148	9.43%	1.052%
568	21.850	21.845	21.872	VV	17273	249519	1.61%	0.179%
569	21.917	21.872	21.927	VV	20517	585205	3.77%	0.420%
570	21.932	21.927	21.936	VV	19623	103512	0.67%	0.074%
571	21.953	21.936	21.962	VV	21254	311246	2.00%	0.224%
572	21.974	21.962	21.979	VV	20827	206295	1.33%	0.148%
573	21.986	21.979	22.012	VV	20055	366290	2.36%	0.263%
574	22.017	22.012	22.021	VV	18362	101530	0.65%	0.073%
575	22.024	22.021	22.027	VV	17550	60683	0.39%	0.044%
576	22.033	22.027	22.045	VV	18157	185893	1.20%	0.134%
577	22.051	22.045	22.055	VV	17242	89740	0.58%	0.064%
578	22.062	22.055	22.089	VV	17397	333357	2.15%	0.239%
579	22.128	22.089	22.135	VV	20418	521760	3.36%	0.375%
580	22.144	22.135	22.150	VV	21976	185179	1.19%	0.133%
581	22.157	22.150	22.163	VV	20601	152331	0.98%	0.109%
582	22.169	22.163	22.174	VV	19551	121597	0.78%	0.087%
583	22.225	22.174	22.261	VV	31733	1156474	7.45%	0.831%
584	22.265	22.261	22.277	VV	11326	100224	0.65%	0.072%
585	22.289	22.277	22.332	VV	12305	334111	2.15%	0.240%
586	22.339	22.332	22.354	VV	9551	113978	0.73%	0.082%
587	22.362	22.354	22.380	VV	8651	104491	0.67%	0.075%
588	22.386	22.380	22.413	VV	4034	51071	0.33%	0.037%
589	22.438	22.413	22.453	PV	2401	37414	0.24%	0.027%
590	22.476	22.453	22.492	VV	2187	31903	0.21%	0.023%

Sum of corrected areas: 139217710

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