

rteres

Instrument :

FID_G

ClientSampleId :

PNNL-APM2-0811-1

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012712.D

Data File : FG012712.D

Signal(s) : FID1A.ch

Acq On : 14 Aug 2023 18:31

Sample : 03985-01

Misc :

ALS Vial : 10 Sample Multiplier: 1

Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Ankita Jodhani 08/15/2023

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080223.M

Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.274	2.267	2.285	VV	483	4471	0.27%	0.009%
2	2.293	2.285	2.298	VV	506	3309	0.20%	0.007%
3	2.300	2.298	2.306	VV	495	2262	0.14%	0.005%
4	2.310	2.306	2.340	VV	445	7049	0.43%	0.015%
5	2.353	2.340	2.359	VV	366	3600	0.22%	0.007%
6	2.372	2.359	2.406	VV	1626	21370	1.29%	0.044%
7	2.426	2.406	2.476	VV	1363	24601	1.48%	0.051%
8	2.483	2.476	2.491	VV	282	2153	0.13%	0.004%
9	2.497	2.491	2.513	VV	254	2596	0.16%	0.005%
10	2.540	2.513	2.548	VV	289	5135	0.31%	0.011%
11	2.552	2.548	2.559	VV	288	1629	0.10%	0.003%
12	2.568	2.559	2.575	VV	303	2287	0.14%	0.005%
13	2.580	2.575	2.587	VV	278	1922	0.12%	0.004%
14	2.593	2.587	2.603	VV	280	2361	0.14%	0.005%
15	2.608	2.603	2.613	VV	236	1227	0.07%	0.003%
16	2.617	2.613	2.636	VV	246	3077	0.19%	0.006%
17	2.647	2.636	2.652	VV	289	2297	0.14%	0.005%
18	2.656	2.652	2.673	VV	299	3074	0.19%	0.006%
19	2.678	2.673	2.687	VV	286	2022	0.12%	0.004%
20	2.692	2.687	2.699	VV	263	1473	0.09%	0.003%
21	2.705	2.699	2.713	VV	262	1772	0.11%	0.004%
22	2.723	2.713	2.752	VV	204	4507	0.27%	0.009%
23	2.770	2.752	2.812	VV	345	9119	0.55%	0.019%
24	2.822	2.812	2.830	VV	291	2448	0.15%	0.005%
25	2.836	2.830	2.840	VV	236	1318	0.08%	0.003%
26	2.853	2.840	2.866	VV	380	4491	0.27%	0.009%
27	2.875	2.866	2.890	VV	342	3816	0.23%	0.008%
28	2.896	2.890	2.907	VV	292	2565	0.15%	0.005%
29	2.926	2.907	2.946	VV	763	10983	0.66%	0.023%
30	2.959	2.946	2.995	VV	558	10127	0.61%	0.021%
31	3.002	2.995	3.017	VV	306	3657	0.22%	0.008%

32	3.029	3.017	3.054	VV	457	7166	0.43%	0.015%
33	3.059	3.054	3.064	VV	220	126		
34	3.081	3.064	3.105	VV	605	974		
35	3.112	3.105	3.124	VV	288	296		
36	3.128	3.124	3.143	VV	296	254		
37	3.148	3.143	3.177	VV	223	3705	0.22%	0.008%
38	3.212	3.177	3.225	VV	379	7725	0.47%	0.016%
39	3.242	3.225	3.269	VV	392	7544	0.46%	0.016%
40	3.273	3.269	3.284	VV	222	1912	0.12%	0.004%
41	3.290	3.284	3.296	VV	194	1218	0.07%	0.003%
42	3.311	3.296	3.332	VV	333	5384	0.32%	0.011%
43	3.340	3.332	3.367	VV	327	5189	0.31%	0.011%
44	3.380	3.367	3.387	VV	226	2414	0.15%	0.005%
45	3.395	3.387	3.407	VV	240	2451	0.15%	0.005%
46	3.416	3.407	3.423	VV	230	1850	0.11%	0.004%
47	3.427	3.423	3.438	VV	238	1718	0.10%	0.004%
48	3.442	3.438	3.449	VV	197	1211	0.07%	0.003%
49	3.458	3.449	3.472	VV	258	3150	0.19%	0.007%
50	3.477	3.472	3.480	VV	270	1135	0.07%	0.002%
51	3.488	3.480	3.507	VV	288	3991	0.24%	0.008%
52	3.523	3.507	3.552	VV	315	6743	0.41%	0.014%
53	3.572	3.552	3.581	VV	299	4421	0.27%	0.009%
54	3.584	3.581	3.590	VV	299	1376	0.08%	0.003%
55	3.601	3.590	3.605	VV	320	2522	0.15%	0.005%
56	3.610	3.605	3.638	VV	379	5443	0.33%	0.011%
57	3.658	3.638	3.664	VV	284	3578	0.22%	0.007%
58	3.680	3.664	3.724	VV	308	9202	0.56%	0.019%
59	3.731	3.724	3.740	VV	315	2742	0.17%	0.006%
60	3.747	3.740	3.757	VV	299	2593	0.16%	0.005%
61	3.760	3.757	3.766	VV	253	1308	0.08%	0.003%
62	3.790	3.766	3.815	VV	461	10063	0.61%	0.021%
63	3.819	3.815	3.831	VV	264	2448	0.15%	0.005%
64	3.835	3.831	3.857	VV	288	4042	0.24%	0.008%
65	3.875	3.857	3.880	VV	249	2925	0.18%	0.006%
66	3.885	3.880	3.892	VV	285	1825	0.11%	0.004%
67	3.896	3.892	3.903	VV	263	1506	0.09%	0.003%
68	3.916	3.903	3.920	VV	326	2608	0.16%	0.005%
69	3.925	3.920	3.947	VV	312	4227	0.26%	0.009%
70	3.952	3.947	3.977	VV	259	3726	0.22%	0.008%
71	3.985	3.977	3.990	VV	239	1615	0.10%	0.003%
72	3.994	3.990	4.008	VV	224	1944	0.12%	0.004%
73	4.012	4.008	4.016	VV	194	780	0.05%	0.002%
74	4.025	4.016	4.029	VV	235	1608	0.10%	0.003%
75	4.034	4.029	4.044	VV	232	1778	0.11%	0.004%
76	4.059	4.044	4.067	VV	252	3090	0.19%	0.006%
77	4.073	4.067	4.077	VV	217	1158	0.07%	0.002%
78	4.082	4.077	4.092	VV	276	1880	0.11%	0.004%
79	4.097	4.092	4.103	VV	214	1155	0.07%	0.002%

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80	4.123	4.103	4.131	VV	370	4408	0.27%	0.009%
81	4.143	4.131	4.150	VV	444	396		
82	4.173	4.150	4.207	VV	2996	3719		
83	4.209	4.207	4.216	VV	302	139		
84	4.235	4.216	4.277	VV	353	885		
85	4.285	4.277	4.291	VV	184	1451	0.09%	0.003%
86	4.314	4.291	4.353	VV	12338	141086	8.51%	0.292%
87	4.364	4.353	4.388	VV	868	13418	0.81%	0.028%
88	4.392	4.388	4.419	VV	332	5303	0.32%	0.011%
89	4.436	4.419	4.455	VV	399	6586	0.40%	0.014%
90	4.464	4.455	4.476	VV	298	2966	0.18%	0.006%
91	4.495	4.476	4.515	VV	260	4947	0.30%	0.010%
92	4.519	4.515	4.525	VV	205	1147	0.07%	0.002%
93	4.542	4.525	4.558	VV	468	7424	0.45%	0.015%
94	4.568	4.558	4.586	VV	693	8354	0.50%	0.017%
95	4.599	4.586	4.623	VV	685	10368	0.63%	0.021%
96	4.636	4.623	4.653	VV	474	6062	0.37%	0.013%
97	4.659	4.653	4.668	VV	238	2063	0.12%	0.004%
98	4.678	4.668	4.706	VV	293	5129	0.31%	0.011%
99	4.714	4.706	4.719	VV	248	1622	0.10%	0.003%
100	4.723	4.719	4.732	VV	233	1607	0.10%	0.003%
101	4.766	4.732	4.786	VV	906	15103	0.91%	0.031%
102	4.799	4.786	4.828	VV	400	7564	0.46%	0.016%
103	4.830	4.828	4.841	VV	314	2131	0.13%	0.004%
104	4.845	4.841	4.855	VV	243	1899	0.11%	0.004%
105	4.861	4.855	4.867	VV	275	1882	0.11%	0.004%
106	4.890	4.867	4.903	VV	352	6665	0.40%	0.014%
107	4.913	4.903	4.918	VV	398	3307	0.20%	0.007%
108	4.924	4.918	4.941	VV	426	5440	0.33%	0.011%
109	4.968	4.941	4.984	VV	620	13130	0.79%	0.027%
110	4.988	4.984	4.995	VV	548	3473	0.21%	0.007%
111	5.017	4.995	5.028	VV	714	12674	0.76%	0.026%
112	5.034	5.028	5.038	VV	747	4228	0.26%	0.009%
113	5.132	5.038	5.137	VV	1317	60479	3.65%	0.125%
114	5.160	5.137	5.166	VV	1509	24871	1.50%	0.051%
115	5.279	5.166	5.329	VV	3798	192351	11.60%	0.398%
116	5.333	5.329	5.369	VV	236	4839	0.29%	0.010%
117	5.382	5.369	5.388	VV	217	2053	0.12%	0.004%
118	5.418	5.388	5.438	VV	420	7900	0.48%	0.016%
119	5.443	5.438	5.454	VV	216	1441	0.09%	0.003%
120	5.476	5.454	5.494	VV	188	3403	0.21%	0.007%
121	5.505	5.494	5.523	VV	181	2672	0.16%	0.006%
122	5.542	5.523	5.567	VV	1500	17761	1.07%	0.037%
123	5.573	5.567	5.593	VV	245	3263	0.20%	0.007%
124	5.607	5.593	5.612	VV	293	2715	0.16%	0.006%
125	5.616	5.612	5.633	VV	297	2688	0.16%	0.006%
126	5.639	5.633	5.645	VV	183	1024	0.06%	0.002%

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127	5.649	5.645	5.656	VV	165	810	0.05%	0.002%
128	5.675	5.656	5.711	VV	246	527		
129	5.713	5.711	5.718	VV	134	41		
130	5.742	5.718	5.748	VV	312	394		
131	5.752	5.748	5.771	VV	322	366		
132	5.791	5.771	5.834	VV	1356	17437	1.05%	0.036%
133	5.859	5.834	5.873	VV	339	5111	0.31%	0.011%
134	5.880	5.873	5.890	VV	185	1687	0.10%	0.003%
135	5.917	5.890	5.956	VV	1057	20617	1.24%	0.043%
136	5.971	5.956	5.999	VV	494	9296	0.56%	0.019%
137	6.006	5.999	6.019	VV	211	2002	0.12%	0.004%
138	6.051	6.019	6.057	VV	264	4482	0.27%	0.009%
139	6.061	6.057	6.087	VV	205	2110	0.13%	0.004%
140	6.106	6.087	6.124	PV	270	3985	0.24%	0.008%
141	6.128	6.124	6.136	VV	176	944	0.06%	0.002%
142	6.160	6.136	6.171	VV	289	3998	0.24%	0.008%
143	6.175	6.171	6.195	VV	227	2251	0.14%	0.005%
144	6.215	6.195	6.238	VV	236	3466	0.21%	0.007%
145	6.258	6.238	6.262	VV	154	1613	0.10%	0.003%
146	6.277	6.262	6.287	VV	216	2589	0.16%	0.005%
147	6.304	6.287	6.353	VV	1576	21483	1.30%	0.044%
148	6.387	6.353	6.407	VV	519	7748	0.47%	0.016%
149	6.413	6.407	6.437	VV	164	1574	0.09%	0.003%
150	6.487	6.437	6.526	VV	337	8979	0.54%	0.019%
151	6.539	6.526	6.554	VV	295	3369	0.20%	0.007%
152	6.567	6.554	6.579	VV	263	2463	0.15%	0.005%
153	6.608	6.579	6.622	VV	1223	16016	0.97%	0.033%
154	6.627	6.622	6.646	VV	614	6327	0.38%	0.013%
155	6.658	6.646	6.671	VV	342	4104	0.25%	0.008%
156	6.675	6.671	6.705	VV	251	4001	0.24%	0.008%
157	6.720	6.705	6.731	VV	231	2858	0.17%	0.006%
158	6.747	6.731	6.756	VV	396	4191	0.25%	0.009%
159	6.772	6.756	6.797	VV	593	9791	0.59%	0.020%
160	6.803	6.797	6.828	VV	270	4357	0.26%	0.009%
161	6.861	6.828	6.883	VV	278	6542	0.39%	0.014%
162	6.901	6.883	6.912	VV	280	3489	0.21%	0.007%
163	6.926	6.912	6.951	VV	389	5438	0.33%	0.011%
164	6.962	6.951	6.979	VV	217	2880	0.17%	0.006%
165	6.986	6.979	6.991	VV	144	731	0.04%	0.002%
166	6.998	6.991	7.009	VV	118	809	0.05%	0.002%
167	7.036	7.009	7.045	PV	219	2923	0.18%	0.006%
168	7.054	7.045	7.079	VV	334	4024	0.24%	0.008%
169	7.087	7.079	7.091	VV	182	1143	0.07%	0.002%
170	7.106	7.091	7.120	VV	207	2578	0.16%	0.005%
171	7.124	7.120	7.130	VV	95	356	0.02%	0.001%
172	7.142	7.130	7.153	VV	150	1385	0.08%	0.003%
173	7.180	7.153	7.199	VV	214	3453	0.21%	0.007%
174	7.211	7.199	7.225	VV	171	1907	0.12%	0.004%

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175	7.245	7.225	7.264	VV	1871	20821	1.26%	0.043%
176	7.271	7.264	7.289	VV	503	605		
177	7.307	7.289	7.331	VV	386	687		
178	7.346	7.331	7.372	VV	320	466		
179	7.405	7.372	7.419	VV	420	675		
180	7.441	7.419	7.481	VV	2949	33814	2.04%	0.070%
181	7.495	7.481	7.502	VV	308	3076	0.19%	0.006%
182	7.508	7.502	7.532	VV	362	3549	0.21%	0.007%
183	7.549	7.532	7.568	PV	207	2641	0.16%	0.005%
184	7.587	7.568	7.601	VV	825	9270	0.56%	0.019%
185	7.618	7.601	7.640	VV	2694	27649	1.67%	0.057%
186	7.644	7.640	7.649	VV	93	478	0.03%	0.001%
187	7.654	7.649	7.657	VV	96	325	0.02%	0.001%
188	7.666	7.657	7.680	VV	213	2272	0.14%	0.005%
189	7.697	7.680	7.701	VV	305	2947	0.18%	0.006%
190	7.719	7.701	7.739	VV	551	8295	0.50%	0.017%
191	7.756	7.739	7.777	VV	323	5282	0.32%	0.011%
192	7.786	7.777	7.821	VV	230	4517	0.27%	0.009%
193	7.853	7.821	7.871	VV	342	6310	0.38%	0.013%
194	7.874	7.871	7.879	VV	187	760	0.05%	0.002%
195	7.888	7.879	7.893	VV	207	1422	0.09%	0.003%
196	7.898	7.893	7.924	VV	270	3137	0.19%	0.006%
197	7.941	7.924	7.951	VV	297	2864	0.17%	0.006%
198	7.955	7.951	7.960	VV	180	785	0.05%	0.002%
199	7.976	7.960	7.986	VV	180	1944	0.12%	0.004%
200	8.011	7.986	8.046	VV	1567	21421	1.29%	0.044%
201	8.060	8.046	8.082	VV	288	3940	0.24%	0.008%
202	8.090	8.082	8.097	VV	231	1857	0.11%	0.004%
203	8.103	8.097	8.109	VV	242	1501	0.09%	0.003%
204	8.144	8.109	8.157	VV	867	18064	1.09%	0.037%
205	8.161	8.157	8.165	VV	715	3077	0.19%	0.006%
206	8.178	8.165	8.202	VV	1560	18881	1.14%	0.039%
207	8.206	8.202	8.228	VV	363	3375	0.20%	0.007%
208	8.257	8.228	8.272	PV	278	4173	0.25%	0.009%
209	8.300	8.272	8.313	VV	483	7491	0.45%	0.015%
210	8.339	8.313	8.365	VV	2587	34969	2.11%	0.072%
211	8.376	8.365	8.395	VV	446	5858	0.35%	0.012%
212	8.424	8.395	8.458	VV	475	11925	0.72%	0.025%
213	8.490	8.458	8.510	VV	1354	23865	1.44%	0.049%
214	8.533	8.510	8.547	VV	12135	124603	7.52%	0.258%
215	8.572	8.547	8.632	VV	135789	1657543	100.00%	3.427%
216	8.637	8.632	8.654	VV	526	5701	0.34%	0.012%
217	8.661	8.654	8.673	VV	410	3566	0.22%	0.007%
218	8.687	8.673	8.695	VV	431	4527	0.27%	0.009%
219	8.709	8.695	8.730	VV	794	9948	0.60%	0.021%
220	8.763	8.730	8.816	VV	3391	53509	3.23%	0.111%
221	8.832	8.816	8.843	VV	422	4901	0.30%	0.010%

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222	8.868	8.843	8.883	VV	497	8629	0.52%	0.018%
223	8.890	8.883	8.925	VV	319	422		
224	8.961	8.925	8.978	VV	693	1134		
225	9.001	8.978	9.020	VV	1018	1704		
226	9.039	9.020	9.047	VV	930	1063		
227	9.069	9.047	9.091	VV	2838	42328	2.55%	0.088%
228	9.104	9.091	9.114	VV	810	9229	0.56%	0.019%
229	9.132	9.114	9.179	VV	2419	36936	2.23%	0.076%
230	9.209	9.179	9.273	VV	3110	58682	3.54%	0.121%
231	9.289	9.273	9.296	VV	524	5796	0.35%	0.012%
232	9.346	9.296	9.388	VV	1538	45581	2.75%	0.094%
233	9.394	9.388	9.400	VV	485	2812	0.17%	0.006%
234	9.431	9.400	9.468	VV	1169	23930	1.44%	0.049%
235	9.476	9.468	9.500	VV	393	5579	0.34%	0.012%
236	9.523	9.500	9.558	VV	370	6638	0.40%	0.014%
237	9.570	9.558	9.589	VV	168	1806	0.11%	0.004%
238	9.644	9.589	9.676	PV	525	14131	0.85%	0.029%
239	9.684	9.676	9.701	VV	194	2117	0.13%	0.004%
240	9.751	9.701	9.777	VV	2512	39515	2.38%	0.082%
241	9.803	9.777	9.821	VV	1763	30152	1.82%	0.062%
242	9.825	9.821	9.860	VV	1295	15343	0.93%	0.032%
243	9.883	9.860	9.895	VV	855	11905	0.72%	0.025%
244	9.900	9.895	9.928	VV	663	9714	0.59%	0.020%
245	9.943	9.928	9.954	VV	321	3852	0.23%	0.008%
246	9.969	9.954	9.975	VV	255	2679	0.16%	0.006%
247	9.996	9.975	10.014	VV	361	6462	0.39%	0.013%
248	10.052	10.014	10.068	VV	614	13317	0.80%	0.028%
249	10.083	10.068	10.103	VV	778	9318	0.56%	0.019%
250	10.106	10.103	10.114	VV	302	1751	0.11%	0.004%
251	10.148	10.114	10.167	VV	1220	21769	1.31%	0.045%
252	10.186	10.167	10.201	VV	1349	17026	1.03%	0.035%
253	10.216	10.201	10.258	VV	1472	22771	1.37%	0.047%
254	10.280	10.258	10.287	VV	267	2886	0.17%	0.006%
255	10.297	10.287	10.301	VV	216	1590	0.10%	0.003%
256	10.321	10.301	10.339	VV	734	8792	0.53%	0.018%
257	10.357	10.339	10.377	VV	561	6683	0.40%	0.014%
258	10.384	10.377	10.394	VV	275	1826	0.11%	0.004%
259	10.409	10.394	10.422	VV	136	1324	0.08%	0.003%
260	10.426	10.422	10.434	VV	116	469	0.03%	0.001%
261	10.439	10.434	10.443	VV	28	142	0.01%	0.000%
262	10.463	10.443	10.472	PV	182	1918	0.12%	0.004%
263	10.482	10.472	10.487	VV	233	1846	0.11%	0.004%
264	10.517	10.487	10.542	VV	1983	28514	1.72%	0.059%
265	10.548	10.542	10.580	VV	540	7190	0.43%	0.015%
266	10.601	10.580	10.623	VV	1193	16322	0.98%	0.034%
267	10.654	10.623	10.673	VV	1037	16489	0.99%	0.034%
268	10.685	10.673	10.690	VV	404	3352	0.20%	0.007%
269	10.695	10.690	10.713	VV	411	4468	0.27%	0.009%

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270	10.726	10.713	10.736	VV	276	3320	0.20%	0.007%
271	10.764	10.736	10.787	VV	3428	4406		
272	10.817	10.787	10.847	VV	3731	5342		
273	10.857	10.847	10.877	VV	974	1362		
274	10.905	10.877	10.937	VV	3561	6066		
275	10.954	10.937	10.993	VV	1983	39670	2.39%	0.082%
276	11.030	10.993	11.046	VV	1513	26185	1.58%	0.054%
277	11.056	11.046	11.068	VV	810	10127	0.61%	0.021%
278	11.076	11.068	11.086	VV	790	7518	0.45%	0.016%
279	11.091	11.086	11.125	VV	764	11435	0.69%	0.024%
280	11.129	11.125	11.138	VV	231	1522	0.09%	0.003%
281	11.150	11.138	11.155	VV	305	2490	0.15%	0.005%
282	11.180	11.155	11.191	VV	812	12379	0.75%	0.026%
283	11.210	11.191	11.215	VV	2401	24819	1.50%	0.051%
284	11.225	11.215	11.258	VV	3115	38182	2.30%	0.079%
285	11.284	11.258	11.323	VV	1402	22229	1.34%	0.046%
286	11.348	11.323	11.366	VV	451	8223	0.50%	0.017%
287	11.388	11.366	11.414	VV	729	11650	0.70%	0.024%
288	11.418	11.414	11.422	VV	109	484	0.03%	0.001%
289	11.450	11.422	11.464	VV	308	4874	0.29%	0.010%
290	11.474	11.464	11.482	VV	236	1996	0.12%	0.004%
291	11.498	11.482	11.508	VV	272	3315	0.20%	0.007%
292	11.521	11.508	11.544	VV	465	5047	0.30%	0.010%
293	11.574	11.544	11.579	PV	338	3856	0.23%	0.008%
294	11.603	11.579	11.610	VV	606	8842	0.53%	0.018%
295	11.631	11.610	11.645	VV	883	14676	0.89%	0.030%
296	11.663	11.645	11.713	VV	2143	35772	2.16%	0.074%
297	11.744	11.713	11.783	VV	1537	31069	1.87%	0.064%
298	11.808	11.783	11.812	VV	395	4723	0.28%	0.010%
299	11.825	11.812	11.837	VV	443	5884	0.35%	0.012%
300	11.856	11.837	11.887	VV	674	11393	0.69%	0.024%
301	11.916	11.887	11.940	VV	2787	36862	2.22%	0.076%
302	11.964	11.940	11.996	VV	559	12015	0.72%	0.025%
303	12.017	11.996	12.028	VV	604	7239	0.44%	0.015%
304	12.045	12.028	12.062	VV	978	11670	0.70%	0.024%
305	12.078	12.062	12.102	VV	1188	15182	0.92%	0.031%
306	12.127	12.102	12.142	VV	1300	18572	1.12%	0.038%
307	12.148	12.142	12.155	VV	830	6153	0.37%	0.013%
308	12.163	12.155	12.178	VV	831	9426	0.57%	0.019%
309	12.192	12.178	12.203	VV	691	8669	0.52%	0.018%
310	12.208	12.203	12.253	VV	523	7246	0.44%	0.015%
311	12.289	12.253	12.297	PV	619	9687	0.58%	0.020%
312	12.336	12.297	12.360	VV	1750	38266	2.31%	0.079%
313	12.386	12.360	12.408	VV	14401	170011	10.26%	0.352%
314	12.424	12.408	12.453	VV	3095	42777	2.58%	0.088%
315	12.458	12.453	12.471	VV	357	3282	0.20%	0.007%
316	12.488	12.471	12.521	VV	975	14167	0.85%	0.029%

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317	12.586	12.521	12.650	VV	114533	1426761	86.08%	2.950%
318	12.665	12.650	12.685	VV	1384	2129		
319	12.706	12.685	12.730	VV	862	1975		
320	12.744	12.730	12.761	VV	728	1198		
321	12.767	12.761	12.789	VV	609	642		
322	12.824	12.789	12.840	VV	760	17980	1.08%	0.037%
323	12.859	12.840	12.873	VV	832	12962	0.78%	0.027%
324	12.890	12.873	12.900	VV	1326	16239	0.98%	0.034%
325	12.918	12.900	12.939	VV	1518	24397	1.47%	0.050%
326	12.978	12.939	13.002	VV	3152	52698	3.18%	0.109%
327	13.007	13.002	13.012	VV	564	3002	0.18%	0.006%
328	13.038	13.012	13.076	VV	8655	121534	7.33%	0.251%
329	13.101	13.076	13.130	VV	608	12211	0.74%	0.025%
330	13.140	13.130	13.146	VV	260	1808	0.11%	0.004%
331	13.169	13.146	13.183	VV	484	5707	0.34%	0.012%
332	13.207	13.183	13.265	VV	2805	53091	3.20%	0.110%
333	13.277	13.265	13.312	VV	554	7847	0.47%	0.016%
334	13.332	13.312	13.354	PV	4013	44540	2.69%	0.092%
335	13.373	13.354	13.389	VV	1755	23348	1.41%	0.048%
336	13.405	13.389	13.419	VV	1193	16175	0.98%	0.033%
337	13.430	13.419	13.442	VV	656	7807	0.47%	0.016%
338	13.465	13.442	13.490	VV	11096	131104	7.91%	0.271%
339	13.500	13.490	13.513	VV	828	8031	0.48%	0.017%
340	13.534	13.513	13.556	VV	703	11292	0.68%	0.023%
341	13.596	13.556	13.619	VV	4256	66874	4.03%	0.138%
342	13.645	13.619	13.694	VV	9699	169259	10.21%	0.350%
343	13.703	13.694	13.721	VV	1568	19207	1.16%	0.040%
344	13.733	13.721	13.745	VV	880	10106	0.61%	0.021%
345	13.760	13.745	13.789	VV	851	14385	0.87%	0.030%
346	13.814	13.789	13.854	VV	35887	438897	26.48%	0.907%
347	13.871	13.854	13.893	VV	965	17862	1.08%	0.037%
348	13.921	13.893	13.949	VV	813	16036	0.97%	0.033%
349	13.983	13.949	14.015	VV	654	14741	0.89%	0.030%
350	14.040	14.015	14.057	VV	692	12860	0.78%	0.027%
351	14.071	14.057	14.084	VV	618	6832	0.41%	0.014%
352	14.109	14.084	14.152	VV	1114	25689	1.55%	0.053%
353	14.179	14.152	14.219	PV	5971	93829	5.66%	0.194%
354	14.237	14.219	14.255	VV	851	10880	0.66%	0.022%
355	14.271	14.255	14.277	VV	335	2484	0.15%	0.005%
356	14.298	14.277	14.317	VV	978	12649	0.76%	0.026%
357	14.332	14.317	14.346	VV	504	6551	0.40%	0.014%
358	14.358	14.346	14.364	VV	372	3223	0.19%	0.007%
359	14.368	14.364	14.370	VV	302	1034	0.06%	0.002%
360	14.397	14.370	14.432	VV	1262	25485	1.54%	0.053%
361	14.452	14.432	14.479	VV	411	7558	0.46%	0.016%
362	14.489	14.479	14.497	VV	140	797	0.05%	0.002%
363	14.507	14.497	14.520	PV	521	3529	0.21%	0.007%
364	14.542	14.520	14.548	VV	1142	11613	0.70%	0.024%

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365	14.566	14.548	14.634	VV	2937	64894	3.92%	0.134%
366	14.649	14.634	14.675	VV	1302	2045		
367	14.697	14.675	14.717	VV	1371	2197		
368	14.742	14.717	14.764	VV	8748	11297		
369	14.776	14.764	14.795	VV	1445	1875		
370	14.807	14.795	14.825	VV	1103	16421	0.99%	0.034%
371	14.836	14.825	14.854	VV	1336	18388	1.11%	0.038%
372	14.863	14.854	14.882	VV	1099	13694	0.83%	0.028%
373	14.903	14.882	14.922	VV	1175	13191	0.80%	0.027%
374	14.957	14.922	14.978	PV	2714	40781	2.46%	0.084%
375	14.997	14.978	15.010	VV	1141	15379	0.93%	0.032%
376	15.017	15.010	15.047	VV	1015	17044	1.03%	0.035%
377	15.081	15.047	15.113	VV	107501	1437584	86.73%	2.972%
378	15.126	15.113	15.145	VV	1366	16701	1.01%	0.035%
379	15.172	15.145	15.177	VV	838	12147	0.73%	0.025%
380	15.210	15.177	15.234	VV	2694	46001	2.78%	0.095%
381	15.255	15.234	15.264	VV	2987	32945	1.99%	0.068%
382	15.284	15.264	15.311	VV	10155	132769	8.01%	0.275%
383	15.326	15.311	15.342	VV	1111	14665	0.88%	0.030%
384	15.355	15.342	15.375	VV	1029	12992	0.78%	0.027%
385	15.383	15.375	15.403	VV	694	7098	0.43%	0.015%
386	15.420	15.403	15.431	VV	1020	10226	0.62%	0.021%
387	15.449	15.431	15.466	VV	1126	16283	0.98%	0.034%
388	15.471	15.466	15.500	VV	618	9239	0.56%	0.019%
389	15.536	15.500	15.561	VV	640	16556	1.00%	0.034%
390	15.571	15.561	15.580	VV	216	886	0.05%	0.002%
391	15.615	15.580	15.631	PV	1019	17973	1.08%	0.037%
392	15.661	15.631	15.722	VV	52082	699180	42.18%	1.446%
393	15.733	15.722	15.739	VV	1203	10132	0.61%	0.021%
394	15.748	15.739	15.780	VV	927	17064	1.03%	0.035%
395	15.805	15.780	15.834	VV	9795	134242	8.10%	0.278%
396	15.848	15.834	15.866	VV	2027	31623	1.91%	0.065%
397	15.884	15.866	15.908	VV	2786	43261	2.61%	0.089%
398	15.932	15.908	15.937	VV	1280	13148	0.79%	0.027%
399	15.942	15.937	15.960	VV	1166	10159	0.61%	0.021%
400	15.965	15.960	15.970	VV	196	691	0.04%	0.001%
401	15.976	15.970	15.984	VV	199	757	0.05%	0.002%
402	16.014	15.984	16.055	PV	3541	67129	4.05%	0.139%
403	16.068	16.055	16.091	VV	1301	18267	1.10%	0.038%
404	16.097	16.091	16.101	VV	611	3071	0.19%	0.006%
405	16.124	16.101	16.159	VV	1419	28176	1.70%	0.058%
406	16.179	16.159	16.206	VV	2500	37871	2.28%	0.078%
407	16.215	16.206	16.221	VV	811	6109	0.37%	0.013%
408	16.229	16.221	16.252	VV	841	11625	0.70%	0.024%
409	16.261	16.252	16.266	VV	869	5348	0.32%	0.011%
410	16.271	16.266	16.277	VV	804	4625	0.28%	0.010%
411	16.307	16.277	16.329	VV	9562	133066	8.03%	0.275%

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412	16.334	16.329	16.352	VV	1726	18986	1.15%	0.039%
413	16.368	16.352	16.380	VV	1307	1444		
414	16.384	16.380	16.389	VV	724	328		
415	16.393	16.389	16.412	VV	740	702		
416	16.420	16.412	16.429	VV	588	385		
417	16.496	16.429	16.511	PV	2170	42029	2.54%	0.087%
418	16.517	16.511	16.545	VV	1812	24712	1.49%	0.051%
419	16.553	16.545	16.557	VV	798	4786	0.29%	0.010%
420	16.562	16.557	16.573	VV	866	5592	0.34%	0.012%
421	16.609	16.573	16.634	VV	5133	99190	5.98%	0.205%
422	16.641	16.634	16.647	VV	1506	10948	0.66%	0.023%
423	16.677	16.647	16.729	VV	6623	135256	8.16%	0.280%
424	16.791	16.729	16.820	VV	8706	186266	11.24%	0.385%
425	16.842	16.820	16.847	VV	1066	13499	0.81%	0.028%
426	16.877	16.847	16.885	VV	2841	45650	2.75%	0.094%
427	16.895	16.885	16.900	VV	2413	19900	1.20%	0.041%
428	16.921	16.900	16.940	VV	5620	90619	5.47%	0.187%
429	16.960	16.940	16.973	VV	2917	45816	2.76%	0.095%
430	17.005	16.973	17.015	VV	3015	59170	3.57%	0.122%
431	17.037	17.015	17.046	VV	3920	58149	3.51%	0.120%
432	17.051	17.046	17.057	VV	3355	20985	1.27%	0.043%
433	17.076	17.057	17.087	VV	3032	51271	3.09%	0.106%
434	17.097	17.087	17.113	VV	3694	46192	2.79%	0.096%
435	17.152	17.113	17.170	VV	4752	95854	5.78%	0.198%
436	17.176	17.170	17.190	VV	2106	22920	1.38%	0.047%
437	17.194	17.190	17.197	VV	1866	6996	0.42%	0.014%
438	17.213	17.197	17.218	VV	2387	26049	1.57%	0.054%
439	17.261	17.218	17.283	VV	10434	227327	13.71%	0.470%
440	17.291	17.283	17.306	VV	5643	70113	4.23%	0.145%
441	17.315	17.306	17.347	VV	4856	101773	6.14%	0.210%
442	17.355	17.347	17.376	VV	3103	47854	2.89%	0.099%
443	17.385	17.376	17.390	VV	3127	23454	1.41%	0.048%
444	17.398	17.390	17.407	VV	2914	24498	1.48%	0.051%
445	17.442	17.407	17.450	VV	3313	64858	3.91%	0.134%
446	17.469	17.450	17.481	VV	4309	67768	4.09%	0.140%
447	17.486	17.481	17.489	VV	3707	16695	1.01%	0.035%
448	17.510	17.489	17.538	VV	5693	126256	7.62%	0.261%
449	17.545	17.538	17.550	VV	2906	19425	1.17%	0.040%
450	17.593	17.550	17.600	VV	4813	122905	7.41%	0.254%
451	17.619	17.600	17.638	VV	5530	108253	6.53%	0.224%
452	17.654	17.638	17.666	VV	4859	75247	4.54%	0.156%
453	17.683	17.666	17.692	VV	7009	86841	5.24%	0.180%
454	17.708	17.692	17.729	VV	9375	159309	9.61%	0.329%
455	17.753	17.729	17.775	VV	5077	111928	6.75%	0.231%
456	17.789	17.775	17.802	VV	4864	64456	3.89%	0.133%
457	17.831	17.802	17.863	VV	6720	173120	10.44%	0.358%
458	17.890	17.863	17.910	VV	5118	118222	7.13%	0.244%
459	17.918	17.910	17.929	VV	4263	43532	2.63%	0.090%

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460	17.935	17.929	17.940	VV	4191	26042	1.57%	0.054%
461	17.949	17.940	17.965	VV	4122	5196		
462	17.979	17.965	17.987	VV	4293	5053		
463	17.999	17.987	18.024	VV	4652	9469		
464	18.059	18.024	18.067	VV	6374	13119		
465	18.072	18.067	18.092	VV	6232	84722	5.11%	0.175%
466	18.111	18.092	18.117	VV	6916	96247	5.81%	0.199%
467	18.149	18.117	18.180	VV	15388	349055	21.06%	0.722%
468	18.207	18.180	18.222	VV	7253	140771	8.49%	0.291%
469	18.231	18.222	18.263	VV	5601	121478	7.33%	0.251%
470	18.301	18.263	18.322	VV	13882	316512	19.10%	0.654%
471	18.327	18.322	18.331	VV	8927	44803	2.70%	0.093%
472	18.334	18.331	18.358	VV	8757	115771	6.98%	0.239%
473	18.379	18.358	18.402	VV	7097	161902	9.77%	0.335%
474	18.407	18.402	18.414	VV	5135	34663	2.09%	0.072%
475	18.425	18.414	18.430	VV	5348	49830	3.01%	0.103%
476	18.448	18.430	18.453	VV	5574	70218	4.24%	0.145%
477	18.473	18.453	18.477	VV	10137	108091	6.52%	0.223%
478	18.504	18.477	18.544	VV	35248	712279	42.97%	1.473%
479	18.573	18.544	18.602	VV	12793	291126	17.56%	0.602%
480	18.626	18.602	18.632	VV	7240	116065	7.00%	0.240%
481	18.669	18.632	18.690	VV	17153	372311	22.46%	0.770%
482	18.695	18.690	18.713	VV	9160	104309	6.29%	0.216%
483	18.719	18.713	18.724	VV	6007	36716	2.22%	0.076%
484	18.733	18.724	18.763	VV	6361	138082	8.33%	0.285%
485	18.783	18.763	18.803	VV	8633	169182	10.21%	0.350%
486	18.822	18.803	18.843	VV	7257	155424	9.38%	0.321%
487	18.846	18.843	18.854	VV	6265	39082	2.36%	0.081%
488	18.890	18.854	18.904	VV	6983	187798	11.33%	0.388%
489	18.923	18.904	18.939	VV	7600	132642	8.00%	0.274%
490	18.978	18.939	19.004	VV	21219	485097	29.27%	1.003%
491	19.010	19.004	19.030	VV	8053	109464	6.60%	0.226%
492	19.040	19.030	19.049	VV	7078	75456	4.55%	0.156%
493	19.091	19.049	19.118	VV	15183	437094	26.37%	0.904%
494	19.146	19.118	19.164	VV	14277	300099	18.11%	0.620%
495	19.168	19.164	19.189	VV	8374	110909	6.69%	0.229%
496	19.216	19.189	19.221	VV	8326	145236	8.76%	0.300%
497	19.227	19.221	19.230	VV	7924	41112	2.48%	0.085%
498	19.259	19.230	19.267	VV	10097	200119	12.07%	0.414%
499	19.270	19.267	19.278	VV	8896	57330	3.46%	0.119%
500	19.286	19.278	19.300	VV	9374	112440	6.78%	0.232%
501	19.333	19.300	19.355	VV	22677	494531	29.84%	1.022%
502	19.385	19.355	19.405	VV	15655	382983	23.11%	0.792%
503	19.424	19.405	19.442	VV	13582	260749	15.73%	0.539%
504	19.451	19.442	19.462	VV	10989	125369	7.56%	0.259%
505	19.494	19.462	19.533	VV	13811	483040	29.14%	0.999%
506	19.580	19.533	19.599	VV	14044	450556	27.18%	0.932%

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507	19.633	19.599	19.650	VV	10736	312165	18.83%	0.645%
508	19.672	19.650	19.678	VV	11923	18236		
509	19.690	19.678	19.695	VV	12092	11846		
510	19.701	19.695	19.715	VV	12264	14086		
511	19.770	19.715	19.793	VV	17185	63878		
512	19.805	19.793	19.821	VV	16642	251127	15.15%	0.519%
513	19.837	19.821	19.854	VV	16570	295152	17.81%	0.610%
514	19.875	19.854	19.884	VV	16241	267885	16.16%	0.554%
515	19.888	19.884	19.893	VV	14649	76228	4.60%	0.158%
516	19.899	19.893	19.911	VV	14990	161018	9.71%	0.333%
517	19.936	19.911	19.966	VV	16644	486176	29.33%	1.005%
518	19.986	19.966	20.007	VV	14934	352500	21.27%	0.729%
519	20.014	20.007	20.024	VV	14848	139231	8.40%	0.288%
520	20.043	20.024	20.053	VV	16419	268913	16.22%	0.556%
521	20.068	20.053	20.092	VV	16645	360055	21.72%	0.744%
522	20.140	20.092	20.163	VV	23325	811955	48.99%	1.679%
523	20.200	20.163	20.221	VV	20989	658231	39.71%	1.361%
524	20.235	20.221	20.247	VV	19576	289648	17.47%	0.599%
525	20.253	20.247	20.267	VV	18379	218713	13.20%	0.452%
526	20.272	20.267	20.292	VV	18452	261635	15.78%	0.541%
527	20.312	20.292	20.332	VV	19520	447989	27.03%	0.926%
528	20.403	20.332	20.443	VV	29840	1534267	92.56%	3.172%
529	20.447	20.443	20.453	VV	22104	134498	8.11%	0.278%
530	20.464	20.453	20.474	VV	22099	281357	16.97%	0.582%
531	20.507	20.474	20.535	VV	27103	860444	51.91%	1.779%
532	20.549	20.535	20.559	VV	23554	324045	19.55%	0.670%
533	20.581	20.559	20.605	VV	25160	653813	39.44%	1.352%
534	20.623	20.605	20.630	VV	23492	330366	19.93%	0.683%
535	20.674	20.630	20.696	VV	38479	1152449	69.53%	2.383%
536	20.721	20.696	20.727	VV	27409	493923	29.80%	1.021%
537	20.739	20.727	20.747	VV	29033	331224	19.98%	0.685%
538	20.755	20.747	20.760	VV	26930	212840	12.84%	0.440%
539	20.771	20.760	20.776	VV	26829	248444	14.99%	0.514%
540	20.779	20.776	20.798	VV	26539	325502	19.64%	0.673%
541	20.803	20.798	20.837	VV	24956	521125	31.44%	1.077%
542	20.877	20.837	20.888	VV	23193	675522	40.75%	1.397%
543	20.895	20.888	20.915	VV	21904	335275	20.23%	0.693%
544	20.925	20.915	20.935	VV	22207	250934	15.14%	0.519%
545	20.940	20.935	20.947	VV	21803	158285	9.55%	0.327%
546	20.997	20.947	21.009	VV	22899	810347	48.89%	1.675%
547	21.013	21.009	21.018	VV	22532	114808	6.93%	0.237%
548	21.023	21.018	21.028	VV	22031	139056	8.39%	0.288%
549	21.040	21.028	21.045	VV	23576	229262	13.83%	0.474%
550	21.050	21.045	21.083	VV	22996	484997	29.26%	1.003%
551	21.088	21.083	21.094	VV	20981	134824	8.13%	0.279%
552	21.103	21.094	21.130	VV	20465	421212	25.41%	0.871%
553	21.151	21.130	21.160	VV	20370	349968	21.11%	0.724%
554	21.184	21.160	21.191	VV	20331	367332	22.16%	0.759%

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					rters			
555	21.196	21.191	21.205	VV	19628	160865	9.71%	0.333%
556	21.228	21.205	21.239	VV	19555	37985		
557	21.263	21.239	21.269	VV	23445	38301		
558	21.274	21.269	21.300	VV	22737	37356		
559	21.316	21.300	21.342	VV	18423	41241		
560	21.350	21.342	21.369	VV	16363	249796	15.07%	0.516%
561	21.375	21.369	21.382	VV	14525	111355	6.72%	0.230%
562	21.394	21.382	21.404	VV	14872	178556	10.77%	0.369%
563	21.409	21.404	21.418	VV	13981	118813	7.17%	0.246%
564	21.428	21.418	21.434	VV	14333	124777	7.53%	0.258%
565	21.441	21.434	21.448	VV	13838	114672	6.92%	0.237%
566	21.457	21.448	21.470	VV	14052	175866	10.61%	0.364%
567	21.474	21.470	21.492	VV	13411	158898	9.59%	0.329%
568	21.497	21.492	21.503	VV	12642	80174	4.84%	0.166%
569	21.515	21.503	21.524	VV	13301	160572	9.69%	0.332%
570	21.532	21.524	21.545	VV	12967	154039	9.29%	0.318%
571	21.570	21.545	21.575	VV	12200	201066	12.13%	0.416%
572	21.582	21.575	21.590	VV	12809	107837	6.51%	0.223%
573	21.616	21.590	21.642	VV	13256	374270	22.58%	0.774%
574	21.653	21.642	21.687	VV	11471	289815	17.48%	0.599%
575	21.717	21.687	21.746	VV	13521	380100	22.93%	0.786%
576	21.783	21.746	21.791	VV	8407	209302	12.63%	0.433%
577	21.797	21.791	21.806	VV	7599	63435	3.83%	0.131%
578	21.810	21.806	21.821	VV	7679	62519	3.77%	0.129%
579	21.825	21.821	21.837	VV	6891	60452	3.65%	0.125%
580	21.856	21.837	21.869	VV	8281	140927	8.50%	0.291%
581	21.881	21.869	21.901	VV	8036	132266	7.98%	0.273%
582	21.913	21.901	21.919	VV	6548	68607	4.14%	0.142%
583	21.925	21.919	21.940	VV	7460	79795	4.81%	0.165%
584	21.946	21.940	21.950	VV	6288	36064	2.18%	0.075%
585	21.961	21.950	22.001	VV	7799	197147	11.89%	0.408%
586	22.018	22.001	22.061	VV	6825	210542	12.70%	0.435%
587	22.089	22.061	22.103	VV	5797	116036	7.00%	0.240%
588	22.128	22.103	22.139	VV	5069	90528	5.46%	0.187%
589	22.143	22.139	22.150	VV	4286	24445	1.47%	0.051%
590	22.158	22.150	22.163	VV	4466	30382	1.83%	0.063%
591	22.168	22.163	22.175	VV	4368	25922	1.56%	0.054%
592	22.179	22.175	22.188	VV	3311	24010	1.45%	0.050%
593	22.209	22.188	22.224	VV	6619	112244	6.77%	0.232%
594	22.226	22.224	22.250	VV	5567	51877	3.13%	0.107%
595	22.257	22.250	22.267	VV	2023	15339	0.93%	0.032%
596	22.284	22.267	22.300	VBA	2595	68502	4.13%	0.142%
Sum of corrected areas:						48366791		

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