

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060321\
 Data File : FE033866.D
 Signal(s) : FID1B.CH
 Acq On : 03 Jun 2021 11:59
 Sample : M2580-07 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\FE050521.M
 Title :

Signal : FID1B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.387	2.373	2.401	BH	3	-954	-0.00%	-0.000%
2	2.413	2.401	2.440	PH	657	-1945	-0.01%	-0.000%
3	2.448	2.440	2.534	PH	-565	-54385	-0.26%	-0.004%
4	2.540	2.534	2.551	PH	-1165	-13209	-0.06%	-0.001%
5	2.557	2.551	2.572	PH	-1280	-16700	-0.08%	-0.001%
6	2.582	2.572	2.605	PH	-1136	-26948	-0.13%	-0.002%
7	2.609	2.605	2.619	PH	-1654	-14419	-0.07%	-0.001%
8	2.635	2.619	2.662	PH	-631	-38235	-0.18%	-0.003%
9	2.680	2.662	2.709	PH	-1130	-47986	-0.23%	-0.003%
10	2.713	2.709	2.719	PH	-2182	-13908	-0.07%	-0.001%
11	2.733	2.719	2.749	PH	-1118	-33075	-0.16%	-0.002%
12	2.760	2.749	2.792	PH	-1798	-55424	-0.26%	-0.004%
13	2.797	2.792	2.813	PH	-2267	-29900	-0.14%	-0.002%
14	2.820	2.813	2.834	PH	-2483	-31745	-0.15%	-0.002%
15	2.860	2.834	2.873	PH	620	-33663	-0.16%	-0.002%
16	2.878	2.873	2.911	PH	-1537	-52490	-0.25%	-0.004%
17	2.920	2.911	2.929	PH	-2654	-30253	-0.14%	-0.002%
18	2.948	2.929	2.978	PH	2023	-24289	-0.11%	-0.002%
19	2.985	2.978	2.998	PH	-2613	-31708	-0.15%	-0.002%
20	3.010	2.998	3.027	PH	-2276	-44197	-0.21%	-0.003%
21	3.045	3.027	3.058	PH	-2162	-45861	-0.22%	-0.003%
22	3.069	3.058	3.083	PH	-2119	-39179	-0.18%	-0.003%
23	3.098	3.083	3.109	PH	-757	-26726	-0.13%	-0.002%
24	3.119	3.109	3.139	PH	-1097	-35470	-0.17%	-0.003%
25	3.147	3.139	3.152	PH	-2662	-21412	-0.10%	-0.002%
26	3.167	3.152	3.184	PH	423	-27746	-0.13%	-0.002%
27	3.195	3.184	3.212	PH	-1712	-40655	-0.19%	-0.003%
28	3.234	3.212	3.247	PH	-1652	-48253	-0.23%	-0.003%
29	3.259	3.247	3.275	PH	-2371	-47734	-0.23%	-0.003%
30	3.290	3.275	3.331	PH	-2173	-100031	-0.47%	-0.007%
31	3.340	3.331	3.344	PH	-3493	-27850	-0.13%	-0.002%

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32	3.356	3.344	3.365	PH	-3291	-43422	-0.20%	-0.003%
33	3.381	3.365	3.387	PH	-3258	-45373	-0.21%	-0.003%
34	3.405	3.387	3.418	PH	390	-30356	-0.14%	-0.002%
35	3.427	3.418	3.441	PH	-1785	-34196	-0.16%	-0.002%
36	3.449	3.441	3.486	PH	-3096	-94524	-0.45%	-0.007%
37	3.507	3.486	3.519	PH	-2695	-65032	-0.31%	-0.005%
38	3.531	3.519	3.546	PH	-2409	-48052	-0.23%	-0.003%
39	3.554	3.546	3.569	PH	-3101	-45561	-0.21%	-0.003%
40	3.599	3.569	3.631	PH	16557	-77596	-0.37%	-0.006%
41	3.646	3.631	3.654	PH	-3074	-45600	-0.22%	-0.003%
42	3.672	3.654	3.687	PH	-679	-33268	-0.16%	-0.002%
43	3.703	3.687	3.752	PH	15203	56951	0.27%	0.004%
44	3.772	3.752	3.798	PH	1233	-35253	-0.17%	-0.003%
45	3.811	3.798	3.819	PH	-1230	-20933	-0.10%	-0.001%
46	3.835	3.819	3.860	PH	424	-17957	-0.08%	-0.001%
47	3.866	3.860	3.878	PH	-2273	-27989	-0.13%	-0.002%
48	3.895	3.878	3.908	PH	1487	-15875	-0.07%	-0.001%
49	3.913	3.908	3.927	PH	-1509	-24332	-0.11%	-0.002%
50	3.942	3.927	3.961	PH	-11	-39043	-0.18%	-0.003%
51	3.985	3.961	4.029	PH	2918	-46446	-0.22%	-0.003%
52	4.067	4.029	4.081	PH	2361	-22942	-0.11%	-0.002%
53	4.091	4.081	4.103	PH	613	-3792	-0.02%	-0.000%
54	4.116	4.103	4.134	PH	1846	1804	0.01%	0.000%
55	4.157	4.134	4.183	PH	1380	-31240	-0.15%	-0.002%
56	4.230	4.183	4.253	PH	10309	17533	0.08%	0.001%
57	4.267	4.253	4.295	PH	331	-26501	-0.13%	-0.002%
58	4.305	4.295	4.317	PH	-1675	-27319	-0.13%	-0.002%
59	4.324	4.317	4.348	PH	-2217	-50675	-0.24%	-0.004%
60	4.377	4.348	4.396	PH	-1431	-70431	-0.33%	-0.005%
61	4.416	4.396	4.435	PH	-1543	-52426	-0.25%	-0.004%
62	4.458	4.435	4.474	PH	10467	62885	0.30%	0.005%
63	4.484	4.474	4.495	PH	1759	4846	0.02%	0.000%
64	4.506	4.495	4.520	PH	1155	-4624	-0.02%	-0.000%
65	4.531	4.520	4.549	PH	-614	-27388	-0.13%	-0.002%
66	4.565	4.549	4.588	PH	291	-35223	-0.17%	-0.003%
67	4.606	4.588	4.643	PH	14551	103472	0.49%	0.007%
68	4.660	4.643	4.673	PH	2638	9354	0.04%	0.001%
69	4.681	4.673	4.695	PH	185	-6461	-0.03%	-0.000%
70	4.710	4.695	4.727	PH	3756	10005	0.05%	0.001%
71	4.742	4.727	4.757	PH	1264	-8554	-0.04%	-0.001%
72	4.762	4.757	4.777	PH	-1181	-18458	-0.09%	-0.001%
73	4.790	4.777	4.800	PH	-829	-18595	-0.09%	-0.001%
74	4.810	4.800	4.820	PH	-828	-12738	-0.06%	-0.001%
75	4.837	4.820	4.852	PH	634	-10613	-0.05%	-0.001%
76	4.870	4.852	4.879	PH	1040	-1820	-0.01%	-0.000%
77	4.882	4.879	4.896	PH	17418	15883	0.07%	0.001%
78	4.912	4.896	4.921	PH	-163	-15882	-0.07%	-0.001%
79	4.932	4.921	4.956	PH	145	-26175	-0.12%	-0.002%

80	4.985	4.956	5.000	PH	rteres -1497	-56586	-0.27%	-0.004%
81	5.019	5.000	5.031	PH	-1916	-39545	-0.19%	-0.003%
82	5.059	5.031	5.076	PH	62	-32628	-0.15%	-0.002%
83	5.096	5.076	5.121	PH	1195	-15154	-0.07%	-0.001%
84	5.134	5.121	5.162	PH	1380	-4263	-0.02%	-0.000%
85	5.176	5.162	5.184	PH	1147	-1656	-0.01%	-0.000%
86	5.194	5.184	5.217	PH	1547	-6715	-0.03%	-0.000%
87	5.225	5.217	5.244	PH	-2080	-38966	-0.18%	-0.003%
88	5.261	5.244	5.274	PH	-2111	-41768	-0.20%	-0.003%
89	5.294	5.274	5.299	PH	-1112	-27047	-0.13%	-0.002%
90	5.311	5.299	5.336	PH	-11	-27028	-0.13%	-0.002%
91	5.383	5.336	5.400	PH	-419	-48053	-0.23%	-0.003%
92	5.413	5.400	5.428	PH	-1974	-35380	-0.17%	-0.003%
93	5.445	5.428	5.468	PH	-107	-36882	-0.17%	-0.003%
94	5.489	5.468	5.511	PH	13193	99947	0.47%	0.007%
95	5.526	5.511	5.547	PH	896	-15440	-0.07%	-0.001%
96	5.559	5.547	5.590	PH	-2033	-59413	-0.28%	-0.004%
97	5.606	5.590	5.616	PH	-1843	-32660	-0.15%	-0.002%
98	5.624	5.616	5.635	PH	-1995	-22814	-0.11%	-0.002%
99	5.656	5.635	5.665	PH	338	-18023	-0.09%	-0.001%
100	5.679	5.665	5.698	PH	1627	730	0.00%	0.000%
101	5.704	5.698	5.716	PH	-1494	-18543	-0.09%	-0.001%
102	5.730	5.716	5.741	PH	-1230	-21861	-0.10%	-0.002%
103	5.774	5.741	5.813	PH	2317	-522	-0.00%	-0.000%
104	5.831	5.813	5.849	PH	134	-24260	-0.11%	-0.002%
105	5.864	5.849	5.884	PH	-647	-30226	-0.14%	-0.002%
106	5.899	5.884	5.923	PH	-1436	-42348	-0.20%	-0.003%
107	5.944	5.923	5.971	PH	1896	-21260	-0.10%	-0.002%
108	5.995	5.971	6.015	PH	-760	-34960	-0.16%	-0.003%
109	6.043	6.015	6.077	PH	90208	859049	4.05%	0.062%
110	6.090	6.077	6.115	HH	2518	28789	0.14%	0.002%
111	6.128	6.115	6.154	PH	1183	-2410	-0.01%	-0.000%
112	6.179	6.154	6.207	PH	13127	124597	0.59%	0.009%
113	6.217	6.207	6.240	PH	-313	-13735	-0.06%	-0.001%
114	6.257	6.240	6.273	PH	-314	-15322	-0.07%	-0.001%
115	6.314	6.273	6.334	PH	581	-17620	-0.08%	-0.001%
116	6.354	6.334	6.371	PH	-409	-18411	-0.09%	-0.001%
117	6.399	6.371	6.405	PH	-233	-16461	-0.08%	-0.001%
118	6.407	6.405	6.442	PH	-315	-20298	-0.10%	-0.001%
119	6.469	6.442	6.519	PH	10395	69905	0.33%	0.005%
120	6.556	6.519	6.572	PH	-986	-39620	-0.19%	-0.003%
121	6.587	6.572	6.598	PH	-562	-13333	-0.06%	-0.001%
122	6.618	6.598	6.639	PH	2952	13262	0.06%	0.001%
123	6.667	6.639	6.686	PH	507	-11865	-0.06%	-0.001%
124	6.689	6.686	6.708	PH	-925	-16303	-0.08%	-0.001%
125	6.751	6.708	6.770	PH	399	-29372	-0.14%	-0.002%
126	6.793	6.770	6.820	PH	87	-17773	-0.08%	-0.001%

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127	6.828	6.820	6.841	PH	-675	-11180	-0.05%	-0.001%
128	6.874	6.841	6.894	PH	1935	-2436	-0.01%	-0.000%
129	6.910	6.894	6.921	PH	-553	-12327	-0.06%	-0.001%
130	6.988	6.921	7.013	PH	1094	8443	0.04%	0.001%
131	7.030	7.013	7.052	PH	1713	14079	0.07%	0.001%
132	7.098	7.052	7.155	PH	46567	499303	2.36%	0.036%
133	7.172	7.155	7.211	HH	4210	57248	0.27%	0.004%
134	7.233	7.211	7.257	PH	29694	289431	1.37%	0.021%
135	7.269	7.257	7.332	HH	1542	21384	0.10%	0.002%
136	7.352	7.332	7.361	PH	342	3271	0.02%	0.000%
137	7.392	7.361	7.426	HH	13837	163342	0.77%	0.012%
138	7.442	7.426	7.466	PH	533	5570	0.03%	0.000%
139	7.482	7.466	7.504	HH	391	3268	0.02%	0.000%
140	7.529	7.504	7.543	PH	261	955	0.00%	0.000%
141	7.569	7.543	7.604	PH	2013	27619	0.13%	0.002%
142	7.622	7.604	7.639	HH	562	3999	0.02%	0.000%
143	7.668	7.639	7.672	PH	2	-2919	-0.01%	-0.000%
144	7.690	7.672	7.700	PH	717	6321	0.03%	0.000%
145	7.732	7.700	7.746	HH	1412	21697	0.10%	0.002%
146	7.758	7.746	7.776	HH	673	8438	0.04%	0.001%
147	7.781	7.776	7.795	HH	268	2714	0.01%	0.000%
148	7.822	7.795	7.862	HH	9705	136298	0.64%	0.010%
149	7.873	7.862	7.888	HH	1658	20237	0.10%	0.001%
150	7.915	7.888	7.934	HH	2142	32833	0.15%	0.002%
151	7.979	7.934	7.997	HH	8131	140460	0.66%	0.010%
152	8.012	7.997	8.041	HH	3788	74018	0.35%	0.005%
153	8.044	8.041	8.058	HH	1399	13105	0.06%	0.001%
154	8.087	8.058	8.132	HH	13600	267025	1.26%	0.019%
155	8.158	8.132	8.165	HH	2871	44973	0.21%	0.003%
156	8.195	8.165	8.210	HH	20431	253800	1.20%	0.018%
157	8.226	8.210	8.247	HH	19372	283070	1.34%	0.020%
158	8.263	8.247	8.294	HH	18573	241925	1.14%	0.017%
159	8.309	8.294	8.324	HH	3066	47326	0.22%	0.003%
160	8.378	8.324	8.412	HH	13202	331065	1.56%	0.024%
161	8.431	8.412	8.447	HH	4127	63187	0.30%	0.005%
162	8.469	8.447	8.501	HH	6550	119982	0.57%	0.009%
163	8.514	8.501	8.531	HH	2778	41254	0.19%	0.003%
164	8.551	8.531	8.578	HH	1978	49794	0.23%	0.004%
165	8.591	8.578	8.601	HH	1631	21042	0.10%	0.002%
166	8.629	8.601	8.649	HH	4184	82809	0.39%	0.006%
167	8.674	8.649	8.700	HH	50607	576818	2.72%	0.041%
168	8.720	8.700	8.745	HH	9463	167006	0.79%	0.012%
169	8.753	8.745	8.765	HH	4122	47834	0.23%	0.003%
170	8.798	8.765	8.824	HH	11657	225973	1.07%	0.016%
171	8.855	8.824	8.874	HH	3957	101502	0.48%	0.007%
172	8.885	8.874	8.890	HH	3408	31364	0.15%	0.002%
173	8.914	8.890	8.929	HH	13189	183898	0.87%	0.013%
174	8.947	8.929	8.973	HH	33165	403693	1.90%	0.029%

175	8.986	8.973	9.018	HH	rteres 5779	137404	0.65%	0.010%
176	9.036	9.018	9.053	HH	5604	101780	0.48%	0.007%
177	9.085	9.053	9.107	HH	25828	355165	1.68%	0.025%
178	9.125	9.107	9.201	HH	9793	269756	1.27%	0.019%
179	9.240	9.201	9.257	HH	8915	164783	0.78%	0.012%
180	9.272	9.257	9.305	HH	7794	142019	0.67%	0.010%
181	9.322	9.305	9.337	HH	4062	69696	0.33%	0.005%
182	9.376	9.337	9.399	HH	9671	213201	1.01%	0.015%
183	9.417	9.399	9.432	HH	4943	84600	0.40%	0.006%
184	9.459	9.432	9.515	HH	44604	698068	3.29%	0.050%
185	9.539	9.515	9.567	HH	12088	250617	1.18%	0.018%
186	9.582	9.567	9.593	HH	9447	125640	0.59%	0.009%
187	9.611	9.593	9.629	HH	15659	246310	1.16%	0.018%
188	9.639	9.629	9.653	HH	8864	111829	0.53%	0.008%
189	9.671	9.653	9.719	HH	11423	278775	1.31%	0.020%
190	9.742	9.719	9.759	HH	5015	114647	0.54%	0.008%
191	9.782	9.759	9.816	HH	13844	291911	1.38%	0.021%
192	9.832	9.816	9.844	HH	7598	118728	0.56%	0.009%
193	9.866	9.844	9.924	HH	25979	613039	2.89%	0.044%
194	9.945	9.924	9.959	HH	6993	128606	0.61%	0.009%
195	9.975	9.959	10.001	HH	7017	147823	0.70%	0.011%
196	10.044	10.001	10.099	HH	6829	331729	1.56%	0.024%
197	10.101	10.099	10.124	HH	4863	67231	0.32%	0.005%
198	10.146	10.124	10.165	HH	5687	127944	0.60%	0.009%
199	10.175	10.165	10.180	HH	4977	44176	0.21%	0.003%
200	10.205	10.180	10.227	HH	7897	181746	0.86%	0.013%
201	10.254	10.227	10.280	HH	14775	299040	1.41%	0.021%
202	10.312	10.280	10.324	HH	10298	217525	1.03%	0.016%
203	10.342	10.324	10.366	HH	17562	303993	1.43%	0.022%
204	10.383	10.366	10.428	HH	13348	336993	1.59%	0.024%
205	10.459	10.428	10.494	HH	13733	386874	1.82%	0.028%
206	10.515	10.494	10.548	HH	25611	492575	2.32%	0.035%
207	10.556	10.548	10.573	HH	9378	128422	0.61%	0.009%
208	10.603	10.573	10.622	HH	26311	462101	2.18%	0.033%
209	10.630	10.622	10.642	HH	12958	144867	0.68%	0.010%
210	10.670	10.642	10.713	HH	32392	816151	3.85%	0.058%
211	10.717	10.713	10.721	HH	9093	46656	0.22%	0.003%
212	10.734	10.721	10.748	HH	9443	146419	0.69%	0.010%
213	10.763	10.748	10.781	HH	10358	182770	0.86%	0.013%
214	10.798	10.781	10.812	HH	8699	159345	0.75%	0.011%
215	10.831	10.812	10.839	HH	12401	167452	0.79%	0.012%
216	10.867	10.839	10.912	HH	360650	4398892	20.75%	0.315%
217	10.938	10.912	10.986	HH	117321	1714669	8.09%	0.123%
218	10.995	10.986	11.013	HH	13208	200495	0.95%	0.014%
219	11.018	11.013	11.029	HH	11334	107871	0.51%	0.008%
220	11.035	11.029	11.041	HH	10945	74121	0.35%	0.005%
221	11.053	11.041	11.068	HH	11204	177597	0.84%	0.013%

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222	11.078	11.068	11.096	HH	10933	179108	0.84%	0.013%
223	11.115	11.096	11.135	HH	12727	259781	1.23%	0.019%
224	11.158	11.135	11.195	HH	34684	670714	3.16%	0.048%
225	11.228	11.195	11.243	HH	11940	319533	1.51%	0.023%
226	11.261	11.243	11.283	HH	12558	288171	1.36%	0.021%
227	11.307	11.283	11.329	HH	28245	503287	2.37%	0.036%
228	11.395	11.329	11.430	HH	27509	962130	4.54%	0.069%
229	11.463	11.430	11.484	HH	13884	395117	1.86%	0.028%
230	11.515	11.484	11.537	HH	17892	466091	2.20%	0.033%
231	11.559	11.537	11.579	HH	14264	323883	1.53%	0.023%
232	11.598	11.579	11.611	HH	14050	253706	1.20%	0.018%
233	11.620	11.611	11.638	HH	13294	202572	0.96%	0.015%
234	11.668	11.638	11.683	HH	51566	778563	3.67%	0.056%
235	11.699	11.683	11.732	HH	61136	950445	4.48%	0.068%
236	11.783	11.732	11.800	HH	48406	1099182	5.18%	0.079%
237	11.816	11.800	11.830	HH	36979	503628	2.38%	0.036%
238	11.847	11.830	11.882	HH	46554	821468	3.87%	0.059%
239	11.933	11.882	11.944	HH	15750	534489	2.52%	0.038%
240	11.979	11.944	12.009	HH	30570	813269	3.84%	0.058%
241	12.029	12.009	12.095	HH	39400	1119527	5.28%	0.080%
242	12.103	12.095	12.116	HH	15384	189456	0.89%	0.014%
243	12.138	12.116	12.161	HH	37332	662156	3.12%	0.047%
244	12.170	12.161	12.186	HH	17418	253667	1.20%	0.018%
245	12.202	12.186	12.217	HH	19009	333640	1.57%	0.024%
246	12.229	12.217	12.261	HH	18882	476056	2.25%	0.034%
247	12.285	12.261	12.304	HH	21539	476693	2.25%	0.034%
248	12.316	12.304	12.328	HH	18336	255880	1.21%	0.018%
249	12.346	12.328	12.359	HH	19889	350974	1.66%	0.025%
250	12.389	12.359	12.405	HH	24458	589334	2.78%	0.042%
251	12.411	12.405	12.427	HH	21284	267388	1.26%	0.019%
252	12.459	12.427	12.498	HH	26581	926004	4.37%	0.066%
253	12.523	12.498	12.547	HH	27358	694019	3.27%	0.050%
254	12.569	12.547	12.588	HH	42109	769092	3.63%	0.055%
255	12.618	12.588	12.657	HH	40559	1258860	5.94%	0.090%
256	12.689	12.657	12.724	HH	307031	4148479	19.57%	0.297%
257	12.743	12.724	12.766	HH	23302	563063	2.66%	0.040%
258	12.787	12.766	12.801	HH	25322	499625	2.36%	0.036%
259	12.822	12.801	12.833	HH	27848	489247	2.31%	0.035%
260	12.842	12.833	12.854	HH	27541	346432	1.63%	0.025%
261	12.872	12.854	12.887	HH	33135	579224	2.73%	0.041%
262	12.898	12.887	12.911	HH	30182	413183	1.95%	0.030%
263	12.917	12.911	12.955	HH	28717	708758	3.34%	0.051%
264	12.987	12.955	13.023	HH	280247	3903434	18.41%	0.280%
265	13.041	13.023	13.057	HH	51859	853961	4.03%	0.061%
266	13.073	13.057	13.128	HH	49062	1502950	7.09%	0.108%
267	13.159	13.128	13.175	HH	36938	908650	4.29%	0.065%
268	13.191	13.175	13.210	HH	34605	665296	3.14%	0.048%
269	13.230	13.210	13.241	HH	41013	654092	3.09%	0.047%

270	13.251	13.241	13.299	HH	rteres 41151	1233841	5.82%	0.088%
271	13.317	13.299	13.360	HH	36517	1218026	5.75%	0.087%
272	13.383	13.360	13.397	HH	38149	763773	3.60%	0.055%
273	13.403	13.397	13.421	HH	35357	485028	2.29%	0.035%
274	13.446	13.421	13.491	HH	47609	1631047	7.69%	0.117%
275	13.509	13.491	13.528	HH	37160	779108	3.67%	0.056%
276	13.574	13.528	13.606	HH	71288	2206830	10.41%	0.158%
277	13.623	13.606	13.629	HH	37835	513470	2.42%	0.037%
278	13.642	13.629	13.658	HH	39341	650670	3.07%	0.047%
279	13.682	13.658	13.706	HH	62647	1420115	6.70%	0.102%
280	13.723	13.706	13.744	HH	57657	1139114	5.37%	0.082%
281	13.763	13.744	13.790	HH	47568	1188177	5.60%	0.085%
282	13.819	13.790	13.837	HH	60593	1444463	6.81%	0.103%
283	13.851	13.837	13.874	HH	62291	1207215	5.69%	0.086%
284	13.893	13.874	13.934	HH	58440	1693583	7.99%	0.121%
285	13.970	13.934	13.993	HH	44623	1520214	7.17%	0.109%
286	14.010	13.993	14.015	HH	43809	582597	2.75%	0.042%
287	14.043	14.015	14.047	HH	47778	874737	4.13%	0.063%
288	14.052	14.047	14.075	HH	47888	758661	3.58%	0.054%
289	14.113	14.075	14.131	HH	46960	1538161	7.26%	0.110%
290	14.149	14.131	14.167	HH	47867	1014850	4.79%	0.073%
291	14.181	14.167	14.194	HH	48034	772360	3.64%	0.055%
292	14.218	14.194	14.224	HH	50236	890208	4.20%	0.064%
293	14.248	14.224	14.256	HH	52376	971701	4.58%	0.070%
294	14.284	14.256	14.294	HH	55298	1244192	5.87%	0.089%
295	14.314	14.294	14.357	HH	65947	2169537	10.23%	0.155%
296	14.381	14.357	14.404	HH	74517	1732977	8.17%	0.124%
297	14.427	14.404	14.434	HH	58560	1058971	5.00%	0.076%
298	14.442	14.434	14.464	HH	58706	1019114	4.81%	0.073%
299	14.491	14.464	14.531	HH	69550	2506549	11.82%	0.180%
300	14.554	14.531	14.576	HH	83820	1881137	8.87%	0.135%
301	14.620	14.576	14.653	HH	71119	2965143	13.99%	0.212%
302	14.676	14.653	14.694	HH	66180	1561865	7.37%	0.112%
303	14.719	14.694	14.768	HH	89548	3137069	14.80%	0.225%
304	14.781	14.768	14.794	HH	63300	1017041	4.80%	0.073%
305	14.820	14.794	14.834	HH	70115	1581448	7.46%	0.113%
306	14.869	14.834	14.889	HH	165683	3493858	16.48%	0.250%
307	14.911	14.889	14.945	HH	179683	3775585	17.81%	0.270%
308	14.961	14.945	14.974	HH	72123	1257624	5.93%	0.090%
309	14.977	14.974	14.984	HH	71155	419653	1.98%	0.030%
310	15.029	14.984	15.049	HH	95212	3129968	14.76%	0.224%
311	15.063	15.049	15.089	HH	79033	1855308	8.75%	0.133%
312	15.115	15.089	15.142	HH	80951	2435011	11.49%	0.174%
313	15.177	15.142	15.203	HH	86950	2954601	13.94%	0.212%
314	15.212	15.203	15.222	HH	81169	896445	4.23%	0.064%
315	15.237	15.222	15.244	HH	81719	1083374	5.11%	0.078%
316	15.250	15.244	15.275	HH	81025	1489999	7.03%	0.107%

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317	15.311	15.275	15.344	HH	98559	3639261	17.17%	0.261%
318	15.353	15.344	15.375	HH	89983	1672571	7.89%	0.120%
319	15.384	15.375	15.394	HH	85685	970819	4.58%	0.070%
320	15.400	15.394	15.406	HH	84163	566174	2.67%	0.041%
321	15.445	15.406	15.482	HH	107735	4307054	20.32%	0.309%
322	15.497	15.482	15.515	HH	93951	1844486	8.70%	0.132%
323	15.543	15.515	15.565	HH	119584	3060854	14.44%	0.219%
324	15.583	15.565	15.612	HH	108483	2835312	13.37%	0.203%
325	15.630	15.612	15.645	HH	100277	1937941	9.14%	0.139%
326	15.708	15.645	15.736	HH	117840	5886302	27.77%	0.422%
327	15.745	15.736	15.752	HH	104992	994200	4.69%	0.071%
328	15.762	15.752	15.766	HH	107029	881418	4.16%	0.063%
329	15.787	15.766	15.803	HH	110300	2430351	11.46%	0.174%
330	15.815	15.803	15.819	HH	108634	1038090	4.90%	0.074%
331	15.845	15.819	15.852	HH	112692	2193864	10.35%	0.157%
332	15.867	15.852	15.892	HH	117240	2773126	13.08%	0.199%
333	15.906	15.892	15.911	HH	117466	1337753	6.31%	0.096%
334	15.918	15.911	15.923	HH	117611	809154	3.82%	0.058%
335	15.948	15.923	15.972	HH	136759	3760125	17.74%	0.269%
336	15.980	15.972	16.003	HH	128107	2311572	10.90%	0.166%
337	16.009	16.003	16.014	HH	121431	820352	3.87%	0.059%
338	16.020	16.014	16.027	HH	121773	895008	4.22%	0.064%
339	16.033	16.027	16.039	HH	121145	894614	4.22%	0.064%
340	16.047	16.039	16.066	HH	123788	1978544	9.33%	0.142%
341	16.078	16.066	16.093	HH	124390	1998094	9.42%	0.143%
342	16.105	16.093	16.110	HH	123507	1263675	5.96%	0.091%
343	16.146	16.110	16.174	HH	139973	5096774	24.04%	0.365%
344	16.180	16.174	16.193	HH	131271	1461606	6.89%	0.105%
345	16.243	16.193	16.247	HH	143892	4492351	21.19%	0.322%
346	16.252	16.247	16.277	HH	144533	2495048	11.77%	0.179%
347	16.291	16.277	16.301	HH	140619	2050789	9.67%	0.147%
348	16.323	16.301	16.327	HH	144760	2172205	10.25%	0.156%
349	16.342	16.327	16.375	HH	149859	4245309	20.02%	0.304%
350	16.437	16.375	16.457	HH	252616	8555208	40.35%	0.613%
351	16.464	16.457	16.497	HH	181714	3956161	18.66%	0.283%
352	16.536	16.497	16.545	HH	161560	4476030	21.11%	0.321%
353	16.569	16.545	16.591	HH	183174	4801785	22.65%	0.344%
354	16.599	16.591	16.610	HH	169334	1851672	8.73%	0.133%
355	16.625	16.610	16.633	HH	168686	2296056	10.83%	0.164%
356	16.651	16.633	16.675	HH	172645	4318417	20.37%	0.309%
357	16.705	16.675	16.709	HH	174055	3490994	16.47%	0.250%
358	16.762	16.709	16.792	HH	232903	9495627	44.79%	0.680%
359	16.821	16.792	16.844	HH	248526	6543950	30.87%	0.469%
360	16.848	16.844	16.854	HH	182348	1019082	4.81%	0.073%
361	16.904	16.854	16.910	HH	214103	6612362	31.19%	0.474%
362	16.925	16.910	16.951	HH	230311	5425632	25.59%	0.389%
363	16.969	16.951	16.996	HH	205878	5366432	25.31%	0.384%
364	17.009	16.996	17.021	HH	199753	3003667	14.17%	0.215%

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365	17.088	17.021	17.102	HH	214101	9948541	46.93%	0.713%
366	17.107	17.102	17.112	HH	212489	1341930	6.33%	0.096%
367	17.138	17.112	17.151	HH	218226	4992271	23.55%	0.358%
368	17.154	17.151	17.168	HH	217533	2196384	10.36%	0.157%
369	17.200	17.168	17.205	HH	221359	4855356	22.90%	0.348%
370	17.227	17.205	17.251	HH	233628	6243652	29.45%	0.447%
371	17.255	17.251	17.260	HH	221333	1134534	5.35%	0.081%
372	17.308	17.260	17.315	HH	236323	7608656	35.89%	0.545%
373	17.330	17.315	17.337	HH	241077	3066991	14.47%	0.220%
374	17.358	17.337	17.378	HH	246657	5941833	28.03%	0.426%
375	17.401	17.378	17.419	HH	244074	5876181	27.72%	0.421%
376	17.432	17.419	17.456	HH	245077	5265577	24.84%	0.377%
377	17.478	17.456	17.514	HH	258572	8626905	40.69%	0.618%
378	17.538	17.514	17.555	HH	260927	6223748	29.36%	0.446%
379	17.565	17.555	17.568	HH	246979	1907415	9.00%	0.137%
380	17.570	17.568	17.593	HH	247212	3581386	16.89%	0.257%
381	17.600	17.593	17.614	HH	246783	3166199	14.93%	0.227%
382	17.630	17.614	17.646	HH	252413	4728190	22.30%	0.339%
383	17.656	17.646	17.666	HH	250470	3059216	14.43%	0.219%
384	17.704	17.666	17.736	HH	271612	10938455	51.60%	0.784%
385	17.798	17.736	17.829	HH	305272	15514949	73.18%	1.111%
386	17.844	17.829	17.869	HH	268234	6291938	29.68%	0.451%
387	17.898	17.869	17.907	HH	271457	6053342	28.55%	0.434%
388	17.947	17.907	17.991	HH	322273	14941323	70.48%	1.070%
389	17.996	17.991	18.024	HH	294429	5604000	26.43%	0.401%
390	18.053	18.024	18.062	HH	284537	6467214	30.51%	0.463%
391	18.069	18.062	18.076	HH	284567	2383916	11.24%	0.171%
392	18.091	18.076	18.103	HH	290496	4602045	21.71%	0.330%
393	18.120	18.103	18.125	HH	302753	3910539	18.45%	0.280%
394	18.128	18.125	18.140	HH	300640	2868294	13.53%	0.205%
395	18.154	18.140	18.171	HH	307078	5527459	26.07%	0.396%
396	18.208	18.171	18.247	HH	339216	14308712	67.49%	1.025%
397	18.264	18.247	18.272	HH	306390	4636940	21.87%	0.332%
398	18.318	18.272	18.349	HH	345868	14804300	69.83%	1.060%
399	18.354	18.349	18.358	HH	324404	1809107	8.53%	0.130%
400	18.361	18.358	18.379	HH	325189	4108307	19.38%	0.294%
401	18.390	18.379	18.410	HH	321645	5791071	27.32%	0.415%
402	18.414	18.410	18.422	HH	312797	2385719	11.25%	0.171%
403	18.464	18.422	18.490	HH	352409	13462571	63.50%	0.964%
404	18.497	18.490	18.506	HH	319506	3005250	14.18%	0.215%
405	18.515	18.506	18.537	HH	322373	5856219	27.62%	0.419%
406	18.547	18.537	18.568	HH	323160	6046823	28.52%	0.433%
407	18.598	18.568	18.602	HH	338421	6654170	31.39%	0.477%
408	18.606	18.602	18.614	HH	339153	2429243	11.46%	0.174%
409	18.633	18.614	18.661	HH	354202	9560669	45.10%	0.685%
410	18.666	18.661	18.675	HH	327679	2704055	12.75%	0.194%
411	18.687	18.675	18.692	HH	333642	3498262	16.50%	0.251%

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412	18.699	18.692	18.709	HH	334965	3435885	16.21%	0.246%
413	18.739	18.709	18.767	HH	371839	12209364	57.59%	0.875%
414	18.792	18.767	18.810	HH	376841	9275015	43.75%	0.664%
415	18.818	18.810	18.832	HH	357001	4628843	21.83%	0.332%
416	18.840	18.832	18.844	HH	350304	2583523	12.19%	0.185%
417	18.849	18.844	18.866	HH	350036	4589681	21.65%	0.329%
418	18.883	18.866	18.900	HH	361974	7199870	33.96%	0.516%
419	18.908	18.900	18.912	HH	364950	2556370	12.06%	0.183%
420	18.917	18.912	18.943	HH	367625	6830413	32.22%	0.489%
421	18.990	18.943	19.003	HH	373237	12896870	60.83%	0.924%
422	19.006	19.003	19.011	HH	369479	1821239	8.59%	0.130%
423	19.031	19.011	19.056	HH	385470	10177867	48.01%	0.729%
424	19.074	19.056	19.095	HH	393738	8867590	41.83%	0.635%
425	19.102	19.095	19.115	HH	373619	4539475	21.41%	0.325%
426	19.142	19.115	19.148	HH	393440	7486819	35.31%	0.536%
427	19.152	19.148	19.159	HH	392182	2726834	12.86%	0.195%
428	19.165	19.159	19.189	HH	388981	6903329	32.56%	0.495%
429	19.204	19.189	19.209	HH	378228	4521520	21.33%	0.324%
430	19.233	19.209	19.237	HH	381198	6352540	29.96%	0.455%
431	19.243	19.237	19.250	HH	382500	2951117	13.92%	0.211%
432	19.258	19.250	19.265	HH	385342	3416008	16.11%	0.245%
433	19.274	19.265	19.294	HH	384147	6717369	31.69%	0.481%
434	19.315	19.294	19.323	HH	387863	6613539	31.20%	0.474%
435	19.333	19.323	19.338	HH	388884	3529197	16.65%	0.253%
436	19.345	19.338	19.351	HH	394655	3100045	14.62%	0.222%
437	19.357	19.351	19.366	HH	389069	3348830	15.80%	0.240%
438	19.417	19.366	19.437	HH	417105	17034816	80.35%	1.220%
439	19.452	19.437	19.474	HH	418202	9193424	43.36%	0.659%
440	19.493	19.474	19.499	HH	407817	6184363	29.17%	0.443%
441	19.530	19.499	19.536	HH	416886	8996838	42.44%	0.644%
442	19.547	19.536	19.550	HH	425208	3617526	17.06%	0.259%
443	19.555	19.550	19.577	HH	428692	6714897	31.67%	0.481%
444	19.588	19.577	19.594	HH	419401	4430669	20.90%	0.317%
445	19.628	19.594	19.639	HH	434087	11316592	53.38%	0.811%
446	19.645	19.639	19.653	HH	435491	3556322	16.77%	0.255%
447	19.661	19.653	19.666	HH	433642	3452184	16.28%	0.247%
448	19.671	19.666	19.676	HH	431799	2661455	12.55%	0.191%
449	19.703	19.676	19.724	HH	448448	12621130	59.53%	0.904%
450	19.729	19.724	19.748	HH	435183	6300257	29.72%	0.451%
451	19.762	19.748	19.765	HH	439426	4434644	20.92%	0.318%
452	19.792	19.765	19.830	HH	457831	17394208	82.05%	1.246%
453	19.851	19.830	19.874	HH	455160	11822448	55.77%	0.847%
454	19.903	19.874	19.919	HH	455863	12046647	56.82%	0.863%
455	19.922	19.919	19.927	HH	451299	2088498	9.85%	0.150%
456	19.971	19.927	19.982	HH	468112	15103698	71.24%	1.082%
457	19.986	19.982	19.990	HH	460546	2409800	11.37%	0.173%
458	20.011	19.990	20.017	HH	481088	7518462	35.46%	0.539%
459	20.023	20.017	20.031	HH	478463	4120304	19.44%	0.295%

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460	20.035	20.031	20.047	HH	471325	4318869	20.37%	0.309%
461	20.074	20.047	20.102	HH	485591	15780927	74.44%	1.130%
462	20.113	20.102	20.118	HH	472354	4534362	21.39%	0.325%
463	20.128	20.118	20.134	HH	477317	4555731	21.49%	0.326%
464	20.140	20.134	20.145	HH	477536	3076193	14.51%	0.220%
465	20.163	20.145	20.184	HH	489493	11275393	53.18%	0.808%
466	20.201	20.184	20.214	HH	488753	8759820	41.32%	0.627%
467	20.220	20.214	20.224	HH	492102	3006895	14.18%	0.215%
468	20.238	20.224	20.254	HH	497965	8645736	40.78%	0.619%
469	20.260	20.254	20.266	HH	492095	3750458	17.69%	0.269%
470	20.284	20.266	20.296	HH	497319	8771901	41.38%	0.628%
471	20.318	20.296	20.338	HH	505347	12535199	59.13%	0.898%
472	20.374	20.338	20.394	HH	513044	17031329	80.34%	1.220%
473	20.400	20.394	20.414	HH	502913	6219876	29.34%	0.446%
474	20.419	20.414	20.424	HH	496906	2783330	13.13%	0.199%
475	20.434	20.424	20.461	HH	500758	11048160	52.11%	0.791%
476	20.464	20.461	20.477	HH	495981	4708137	22.21%	0.337%
477	20.482	20.477	20.496	HH	491094	5710163	26.93%	0.409%
478	20.517	20.496	20.556	HH	495497	17420079	82.17%	1.248%
479	20.575	20.556	20.591	HH	480762	10135089	47.81%	0.726%
480	20.598	20.591	20.616	HH	479047	7027341	33.15%	0.503%
481	20.641	20.616	20.662	HH	485939	13327953	62.87%	0.955%
482	20.672	20.662	20.679	HH	488863	4922609	23.22%	0.353%
483	20.685	20.679	20.695	HH	492176	4846494	22.86%	0.347%
484	20.700	20.695	20.716	HH	485845	5849974	27.59%	0.419%
485	20.719	20.716	20.732	HH	479624	4672016	22.04%	0.335%
486	20.752	20.732	20.792	HH	482117	17185523	81.06%	1.231%
487	20.798	20.792	20.805	HH	471167	3539042	16.69%	0.254%
488	20.809	20.805	20.821	HH	467264	4466640	21.07%	0.320%
489	20.833	20.821	20.864	HH	465170	12018329	56.69%	0.861%
490	20.869	20.864	20.880	HH	458296	4352994	20.53%	0.312%
491	20.914	20.880	20.933	HH	462116	14410187	67.97%	1.032%
492	20.938	20.933	20.951	HH	452217	4933299	23.27%	0.353%
493	20.960	20.951	20.966	HH	452801	4178525	19.71%	0.299%
494	20.995	20.966	21.002	HH	458386	9636118	45.45%	0.690%
495	21.004	21.002	21.008	HH	456727	1815820	8.57%	0.130%
496	21.016	21.008	21.039	HH	456528	8331857	39.30%	0.597%
497	21.045	21.039	21.069	HH	453915	8176546	38.57%	0.586%
498	21.087	21.069	21.113	HH	452622	11691661	55.15%	0.838%
499	21.121	21.113	21.128	HH	443288	3975212	18.75%	0.285%
500	21.134	21.128	21.209	HH	440446	21200381	100.00%	1.519%
501	21.221	21.209	21.234	HH	424479	6278847	29.62%	0.450%
502	21.244	21.234	21.254	HH	420593	5008151	23.62%	0.359%
503	21.266	21.254	21.273	HH	421724	4669075	22.02%	0.334%
504	21.283	21.273	21.295	HH	426132	5588584	26.36%	0.400%
505	21.308	21.295	21.313	HH	428462	4834599	22.80%	0.346%
506	21.338	21.313	21.343	HH	438341	7637892	36.03%	0.547%

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507	21.348	21.343	21.415	HH	438485	18475131	87.15%	1.323%
508	21.418	21.415	21.429	HH	418488	3571683	16.85%	0.256%
509	21.442	21.429	21.451	HH	419655	5469007	25.80%	0.392%
510	21.460	21.451	21.464	HH	417654	3170056	14.95%	0.227%
511	21.468	21.464	21.482	HH	418125	4488279	21.17%	0.322%
512	21.487	21.482	21.498	HH	415017	3926928	18.52%	0.281%
513	21.504	21.498	21.515	HH	410431	4286423	20.22%	0.307%
514	21.531	21.515	21.548	HH	410070	7992248	37.70%	0.573%
515	21.556	21.548	21.589	HH	408511	9972067	47.04%	0.714%
516	21.594	21.589	21.623	HH	401495	7951951	37.51%	0.570%
517	21.630	21.623	21.638	HH	395001	3549747	16.74%	0.254%
518	21.644	21.638	21.674	HH	395754	8639647	40.75%	0.619%
519	21.682	21.674	21.690	HH	391568	3676895	17.34%	0.263%
520	21.708	21.690	21.712	HH	390324	5156925	24.32%	0.369%
521	21.722	21.712	21.746	HH	391906	8029233	37.87%	0.575%
522	21.766	21.746	21.771	HH	393735	5740240	27.08%	0.411%
523	21.778	21.771	21.793	HH	392880	5079101	23.96%	0.364%
524	21.801	21.793	21.814	HH	391031	4979313	23.49%	0.357%
525	21.833	21.814	21.839	HH	393144	5899899	27.83%	0.423%
526	21.846	21.839	21.881	HH	394038	9694514	45.73%	0.694%
527	21.886	21.881	21.920	HH	381876	8831672	41.66%	0.633%
528	21.927	21.920	21.934	HH	370230	3018468	14.24%	0.216%
529	21.940	21.934	21.959	HH	371094	5655854	26.68%	0.405%
530	21.981	21.959	22.001	HHA	375634	9533281	44.97%	0.683%

Sum of corrected areas: 1396002667

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