

rteres
Area Percent Report

Data Path : P:\HPCHEM1\FID_C\Data\FC012918AL\
Data File : FC032103.D
Signal(s) : FID1A.CH
Acq On : 30 Jan 2018 3:51
Sample : J1023-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : P:\HPCHEM1\FID_C\Method\Alaphatic EPH 011618.M
Title : GC Extractables

Signal : FID1A.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.022	3.011	3.050	PH	2108	20809	0.01%	0.002%
2	3.584	3.569	3.601	PH	1791	14703	0.01%	0.001%
3	3.676	3.657	3.694	HH	1979	20931	0.01%	0.002%
4	3.714	3.694	3.754	HH	2151	51376	0.03%	0.005%
5	3.766	3.754	3.787	HH	1164	16656	0.01%	0.002%
6	3.846	3.812	3.880	HH	13062	180763	0.12%	0.017%
7	3.888	3.880	3.946	HH	1433	25122	0.02%	0.002%
8	4.070	4.053	4.092	PH	4534	41206	0.03%	0.004%
9	4.105	4.092	4.121	HH	1632	14469	0.01%	0.001%
10	4.320	4.305	4.335	HH	2172	22988	0.02%	0.002%
11	4.342	4.335	4.361	HH	1184	14887	0.01%	0.001%
12	4.440	4.425	4.465	HH	3189	41824	0.03%	0.004%
13	4.478	4.465	4.498	HH	2016	26830	0.02%	0.002%
14	4.514	4.498	4.539	HH	4659	57448	0.04%	0.005%
15	4.585	4.572	4.600	HH	1565	15592	0.01%	0.001%
16	4.670	4.651	4.682	HH	2245	24998	0.02%	0.002%
17	4.698	4.682	4.724	HH	4094	61674	0.04%	0.006%
18	4.742	4.724	4.757	HH	4052	47699	0.03%	0.004%
19	4.772	4.757	4.788	HH	3385	40766	0.03%	0.004%
20	4.815	4.788	4.835	HH	3988	72259	0.05%	0.007%
21	4.850	4.835	4.875	HH	2827	48076	0.03%	0.004%
22	4.886	4.875	4.901	HH	1699	21583	0.01%	0.002%
23	4.925	4.901	4.941	HH	3239	54671	0.04%	0.005%
24	4.961	4.941	4.971	HH	2552	41180	0.03%	0.004%
25	4.981	4.971	5.016	HH	2727	40053	0.03%	0.004%
26	5.036	5.016	5.052	HH	1299	16859	0.01%	0.002%
27	5.095	5.073	5.113	HH	18664	202540	0.13%	0.019%
28	5.122	5.113	5.155	HH	4910	61453	0.04%	0.006%
29	5.174	5.155	5.197	HH	4493	63904	0.04%	0.006%
30	5.207	5.197	5.224	HH	2008	27577	0.02%	0.003%
31	5.234	5.224	5.240	HH	1323	11216	0.01%	0.001%
32	5.257	5.240	5.264	HH	3023	33027	0.02%	0.003%
33	5.277	5.264	5.298	HH	3721	60244	0.04%	0.006%
34	5.304	5.298	5.318	HH	2154	20997	0.01%	0.002%
35	5.335	5.318	5.349	HH	2592	37143	0.02%	0.003%
36	5.365	5.349	5.406	HH	6363	143193	0.09%	0.013%

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37	5.416	5.406	5.435	HH	3636	49345	0.03%	0.005%
38	5.456	5.440	5.485	HH	5170	89725	0.06%	0.008%
39	5.497	5.485	5.524	HH	2432	45414	0.03%	0.004%
40	5.541	5.524	5.565	HH	3636	53329	0.04%	0.005%
41	5.592	5.565	5.611	HH	3237	61099	0.04%	0.006%
42	5.638	5.611	5.676	HH	4585	129864	0.09%	0.012%
43	5.686	5.676	5.704	HH	3234	43602	0.03%	0.004%
44	5.731	5.704	5.746	HH	4358	68161	0.05%	0.006%
45	5.764	5.746	5.779	HH	4172	67692	0.04%	0.006%
46	5.796	5.779	5.828	HH	5761	106746	0.07%	0.010%
47	5.843	5.828	5.859	HH	3418	45848	0.03%	0.004%
48	5.867	5.859	5.874	HH	2538	23000	0.02%	0.002%
49	5.895	5.874	5.924	HH	3191	76963	0.05%	0.007%
50	5.946	5.924	5.949	HH	2724	33537	0.02%	0.003%
51	5.951	5.949	5.963	HH	2685	22209	0.01%	0.002%
52	5.992	5.973	6.012	HH	4694	77436	0.05%	0.007%
53	6.014	6.012	6.045	HH	2481	38895	0.03%	0.004%
54	6.070	6.045	6.116	HH	23971	300285	0.20%	0.028%
55	6.131	6.116	6.133	HH	2186	18834	0.01%	0.002%
56	6.149	6.133	6.164	HH	2711	45236	0.03%	0.004%
57	6.180	6.164	6.195	HH	3464	52309	0.03%	0.005%
58	6.217	6.195	6.235	HH	9318	127069	0.08%	0.012%
59	6.241	6.235	6.250	HH	3144	26721	0.02%	0.002%
60	6.256	6.250	6.274	HH	3360	40424	0.03%	0.004%
61	6.285	6.274	6.298	HH	2916	35461	0.02%	0.003%
62	6.309	6.298	6.323	HH	3112	37782	0.02%	0.004%
63	6.337	6.323	6.362	HH	4573	72843	0.05%	0.007%
64	6.379	6.362	6.390	HH	3890	52736	0.03%	0.005%
65	6.403	6.390	6.428	HH	3226	67562	0.04%	0.006%
66	6.453	6.428	6.488	HH	8293	158792	0.10%	0.015%
67	6.497	6.488	6.499	HH	2638	15858	0.01%	0.001%
68	6.502	6.499	6.514	HH	2645	22689	0.01%	0.002%
69	6.533	6.514	6.551	HH	3549	63640	0.04%	0.006%
70	6.572	6.551	6.596	HH	5594	114543	0.08%	0.011%
71	6.624	6.596	6.645	HH	5789	117382	0.08%	0.011%
72	6.675	6.645	6.707	HH	9522	200213	0.13%	0.019%
73	6.725	6.707	6.739	HH	6032	88397	0.06%	0.008%
74	6.767	6.739	6.793	HH	9571	174815	0.12%	0.016%
75	6.812	6.793	6.842	HH	5769	124700	0.08%	0.012%
76	6.861	6.842	6.876	HH	4700	74987	0.05%	0.007%
77	6.883	6.876	6.888	HH	3398	23006	0.02%	0.002%
78	6.914	6.888	6.926	HH	4285	91270	0.06%	0.009%
79	6.932	6.926	6.936	HH	4152	24764	0.02%	0.002%
80	6.954	6.936	6.969	HH	7193	110913	0.07%	0.010%
81	6.989	6.969	7.022	HH	25346	346410	0.23%	0.032%
82	7.033	7.022	7.081	HH	3863	119852	0.08%	0.011%
83	7.086	7.081	7.093	HH	2961	20051	0.01%	0.002%
84	7.106	7.093	7.126	HH	3275	59275	0.04%	0.006%
85	7.157	7.126	7.184	HH	6566	153676	0.10%	0.014%
86	7.200	7.184	7.228	HH	3752	75045	0.05%	0.007%
87	7.246	7.228	7.259	HH	3750	57966	0.04%	0.005%
88	7.286	7.259	7.381	HH	665186	7102368	4.70%	0.661%
89	7.402	7.381	7.425	HH	6775	154488	0.10%	0.014%

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90	7.441	7.425	7.455	HH	6569	99742	0.07%	0.009%
91	7.466	7.455	7.485	HH	5173	81279	0.05%	0.008%
92	7.506	7.485	7.525	HH	5240	105191	0.07%	0.010%
93	7.528	7.525	7.532	HH	3827	16799	0.01%	0.002%
94	7.551	7.532	7.564	HH	7025	109041	0.07%	0.010%
95	7.570	7.564	7.586	HH	6420	74081	0.05%	0.007%
96	7.604	7.586	7.628	HH	6105	119092	0.08%	0.011%
97	7.647	7.628	7.649	HH	4481	49071	0.03%	0.005%
98	7.674	7.652	7.700	HH	9695	175882	0.12%	0.016%
99	7.711	7.700	7.729	HH	4578	69054	0.05%	0.006%
100	7.761	7.729	7.775	HH	8844	172318	0.11%	0.016%
101	7.794	7.775	7.833	HH	43177	664138	0.44%	0.062%
102	7.853	7.833	7.889	HH	26349	409730	0.27%	0.038%
103	7.913	7.889	7.929	HH	16056	245144	0.16%	0.023%
104	7.943	7.929	7.975	HH	10281	204759	0.14%	0.019%
105	7.989	7.975	8.014	HH	5802	121334	0.08%	0.011%
106	8.028	8.014	8.040	HH	5156	73368	0.05%	0.007%
107	8.056	8.040	8.079	HH	5356	109157	0.07%	0.010%
108	8.081	8.079	8.086	HH	4173	18621	0.01%	0.002%
109	8.088	8.086	8.110	HH	4313	56250	0.04%	0.005%
110	8.137	8.110	8.191	HH	399747	4538743	3.00%	0.423%
111	8.194	8.191	8.222	HH	10088	162689	0.11%	0.015%
112	8.232	8.222	8.254	HH	8706	148371	0.10%	0.014%
113	8.273	8.254	8.287	HH	7686	139474	0.09%	0.013%
114	8.299	8.287	8.327	HH	7345	150545	0.10%	0.014%
115	8.340	8.327	8.364	HH	7728	141117	0.09%	0.013%
116	8.385	8.364	8.418	HH	12890	237919	0.16%	0.022%
117	8.439	8.418	8.462	HH	6617	141307	0.09%	0.013%
118	8.478	8.462	8.497	HH	5505	103502	0.07%	0.010%
119	8.529	8.497	8.544	HH	5732	147812	0.10%	0.014%
120	8.551	8.544	8.564	HH	5323	62178	0.04%	0.006%
121	8.587	8.564	8.594	HH	6299	103805	0.07%	0.010%
122	8.597	8.594	8.624	HH	6274	99713	0.07%	0.009%
123	8.643	8.624	8.645	HH	8189	82620	0.05%	0.008%
124	8.647	8.645	8.650	HH	8263	26371	0.02%	0.002%
125	8.671	8.650	8.710	HH	27489	466884	0.31%	0.043%
126	8.727	8.710	8.744	HH	6039	109883	0.07%	0.010%
127	8.753	8.744	8.774	HH	5578	85906	0.06%	0.008%
128	8.799	8.774	8.819	HH	6532	137652	0.09%	0.013%
129	8.832	8.819	8.847	HH	4928	76604	0.05%	0.007%
130	8.858	8.847	8.869	HH	5074	61946	0.04%	0.006%
131	8.882	8.869	8.895	HH	5068	76814	0.05%	0.007%
132	8.898	8.895	8.907	HH	4713	33058	0.02%	0.003%
133	8.908	8.907	8.918	HH	4663	30539	0.02%	0.003%
134	8.937	8.918	8.961	HH	5990	130059	0.09%	0.012%
135	8.972	8.961	8.982	HH	4741	56541	0.04%	0.005%
136	8.983	8.982	8.998	HH	4673	40834	0.03%	0.004%
137	9.033	8.998	9.070	HH	8596	285313	0.19%	0.027%
138	9.091	9.070	9.108	HH	8026	159685	0.11%	0.015%
139	9.111	9.108	9.113	HH	6360	18395	0.01%	0.002%
140	9.126	9.113	9.149	HH	7311	137155	0.09%	0.013%
141	9.171	9.149	9.189	HH	8208	159950	0.11%	0.015%

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142	9.201	9.189	9.206	HH	6547	61991	0.04%	0.006%
143	9.223	9.206	9.244	HH	7599	147090	0.10%	0.014%
144	9.273	9.244	9.295	HH	5908	162256	0.11%	0.015%
145	9.312	9.295	9.324	HH	5490	87656	0.06%	0.008%
146	9.339	9.324	9.353	HH	6508	105807	0.07%	0.010%
147	9.356	9.353	9.358	HH	6339	19455	0.01%	0.002%
148	9.381	9.358	9.420	HH	18109	380827	0.25%	0.035%
149	9.445	9.420	9.484	HH	26526	444413	0.29%	0.041%
150	9.486	9.484	9.488	HH	5131	13560	0.01%	0.001%
151	9.490	9.488	9.500	HH	5125	34421	0.02%	0.003%
152	9.516	9.500	9.536	HH	5640	117357	0.08%	0.011%
153	9.541	9.536	9.548	HH	5340	36861	0.02%	0.003%
154	9.550	9.548	9.567	HH	5228	54353	0.04%	0.005%
155	9.569	9.567	9.582	HH	4677	39544	0.03%	0.004%
156	9.593	9.582	9.636	HH	5317	151312	0.10%	0.014%
157	9.663	9.636	9.665	HH	4913	77632	0.05%	0.007%
158	9.668	9.665	9.693	HH	5029	75989	0.05%	0.007%
159	9.717	9.693	9.723	HH	4791	82803	0.05%	0.008%
160	9.758	9.723	9.773	HH	5686	150368	0.10%	0.014%
161	9.791	9.773	9.794	HH	6525	75120	0.05%	0.007%
162	9.795	9.794	9.804	HH	6371	38970	0.03%	0.004%
163	9.834	9.804	9.866	HH	11189	325673	0.22%	0.030%
164	9.881	9.866	9.908	HH	8459	200055	0.13%	0.019%
165	9.923	9.908	9.947	HH	8503	176564	0.12%	0.016%
166	9.971	9.947	9.990	HH	8299	182972	0.12%	0.017%
167	10.006	9.990	10.044	HH	7668	219217	0.14%	0.020%
168	10.082	10.044	10.119	HH	9974	370867	0.25%	0.035%
169	10.134	10.119	10.140	HH	7953	92529	0.06%	0.009%
170	10.142	10.140	10.155	HH	7728	65903	0.04%	0.006%
171	10.179	10.155	10.205	HH	23656	399131	0.26%	0.037%
172	10.231	10.205	10.281	HH	27343	633680	0.42%	0.059%
173	10.298	10.281	10.330	HH	7400	198073	0.13%	0.018%
174	10.351	10.330	10.355	HH	6261	90380	0.06%	0.008%
175	10.358	10.355	10.368	HH	6363	45712	0.03%	0.004%
176	10.403	10.368	10.459	HH	32235	701736	0.46%	0.065%
177	10.488	10.459	10.538	HH	13768	464807	0.31%	0.043%
178	10.575	10.538	10.613	HH	13571	435796	0.29%	0.041%
179	10.624	10.613	10.654	HH	8377	196114	0.13%	0.018%
180	10.672	10.654	10.674	HH	7466	86904	0.06%	0.008%
181	10.682	10.674	10.699	HH	7758	110677	0.07%	0.010%
182	10.723	10.699	10.748	HH	12014	268354	0.18%	0.025%
183	10.753	10.748	10.765	HH	7855	79376	0.05%	0.007%
184	10.773	10.765	10.776	HH	7965	50988	0.03%	0.005%
185	10.780	10.776	10.783	HH	8075	33233	0.02%	0.003%
186	10.802	10.783	10.834	HH	11358	285969	0.19%	0.027%
187	10.853	10.834	10.856	HH	8123	101310	0.07%	0.009%
188	10.879	10.856	10.910	HH	19244	388162	0.26%	0.036%
189	10.931	10.910	10.953	HH	13841	285205	0.19%	0.027%
190	10.968	10.953	10.999	HH	11446	265998	0.18%	0.025%
191	11.011	10.999	11.022	HH	8338	110902	0.07%	0.010%
192	11.026	11.022	11.030	HH	8233	41661	0.03%	0.004%
193	11.061	11.030	11.085	HH	11044	311092	0.21%	0.029%
194	11.089	11.085	11.098	HH	8602	65335	0.04%	0.006%

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195	11.119	11.098	11.137	HH	10662	223268	0.15%	0.021%
196	11.173	11.137	11.198	HH	385520	4465729	2.95%	0.416%
197	11.205	11.198	11.220	HH	18530	206571	0.14%	0.019%
198	11.236	11.220	11.272	HH	18764	434597	0.29%	0.040%
199	11.274	11.272	11.290	HH	10716	114229	0.08%	0.011%
200	11.313	11.290	11.330	HH	17469	342758	0.23%	0.032%
201	11.349	11.330	11.367	HH	18120	337451	0.22%	0.031%
202	11.384	11.367	11.395	HH	16862	258117	0.17%	0.024%
203	11.401	11.395	11.413	HH	15414	157136	0.10%	0.015%
204	11.434	11.413	11.476	HH	43508	806809	0.53%	0.075%
205	11.498	11.476	11.520	HH	13764	319080	0.21%	0.030%
206	11.546	11.520	11.567	HH	17664	401880	0.27%	0.037%
207	11.620	11.567	11.644	HH	2419698	33702661	22.28%	3.139%
208	11.656	11.644	11.672	HH	17981	276286	0.18%	0.026%
209	11.675	11.672	11.717	HH	14925	369804	0.24%	0.034%
210	11.738	11.717	11.787	HH	14954	562415	0.37%	0.052%
211	11.821	11.787	11.840	HH	15786	451093	0.30%	0.042%
212	11.851	11.840	11.863	HH	14843	201500	0.13%	0.019%
213	11.877	11.863	11.897	HH	15608	297185	0.20%	0.028%
214	11.900	11.897	11.909	HH	14138	103895	0.07%	0.010%
215	11.920	11.909	11.924	HH	14646	127908	0.08%	0.012%
216	11.927	11.924	11.937	HH	14452	107002	0.07%	0.010%
217	11.954	11.937	11.975	HH	15527	327588	0.22%	0.031%
218	11.996	11.975	12.013	HH	18645	377815	0.25%	0.035%
219	12.030	12.013	12.044	HH	22317	375846	0.25%	0.035%
220	12.063	12.044	12.083	HH	29640	539360	0.36%	0.050%
221	12.103	12.083	12.124	HH	28672	564467	0.37%	0.053%
222	12.138	12.124	12.154	HH	20489	353600	0.23%	0.033%
223	12.181	12.154	12.195	HH	23761	511684	0.34%	0.048%
224	12.215	12.195	12.228	HH	67610	908084	0.60%	0.085%
225	12.237	12.228	12.280	HH	47692	896167	0.59%	0.083%
226	12.283	12.280	12.286	HH	15133	55711	0.04%	0.005%
227	12.312	12.286	12.324	HH	16532	360590	0.24%	0.034%
228	12.327	12.324	12.329	HH	15992	47467	0.03%	0.004%
229	12.347	12.329	12.359	HH	16896	286292	0.19%	0.027%
230	12.361	12.359	12.370	HH	16682	110014	0.07%	0.010%
231	12.405	12.370	12.428	HH	19211	606457	0.40%	0.056%
232	12.455	12.428	12.466	HH	20461	440124	0.29%	0.041%
233	12.469	12.466	12.480	HH	19583	153735	0.10%	0.014%
234	12.505	12.480	12.550	HH	66493	1441761	0.95%	0.134%
235	12.568	12.550	12.576	HH	21366	310035	0.20%	0.029%
236	12.669	12.576	12.688	HH	5263328	151270281	100.00%	14.089%
237	12.725	12.688	12.766	HH	4979879	89790579	59.36%	8.363%
238	12.782	12.766	12.793	HH	39789	557653	0.37%	0.052%
239	12.805	12.793	12.822	HH	34605	561605	0.37%	0.052%
240	12.867	12.822	12.888	HH	1248536	16498175	10.91%	1.537%
241	12.898	12.888	12.909	HH	65930	786422	0.52%	0.073%
242	12.915	12.909	12.931	HH	58808	677789	0.45%	0.063%
243	12.944	12.931	12.972	HH	56188	1054924	0.70%	0.098%
244	12.973	12.972	12.976	HH	30354	70681	0.05%	0.007%
245	12.983	12.976	12.992	HH	30837	291078	0.19%	0.027%
246	13.009	12.992	13.032	HH	35332	782336	0.52%	0.073%

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247	13.051	13.032	13.080	HH	35816	938788	0.62%	0.087%
248	13.083	13.080	13.091	HH	28778	182314	0.12%	0.017%
249	13.095	13.091	13.097	HH	28933	113057	0.07%	0.011%
250	13.145	13.097	13.174	HH	163531	3308664	2.19%	0.308%
251	13.186	13.174	13.201	HH	35685	560496	0.37%	0.052%
252	13.203	13.201	13.212	HH	32804	200357	0.13%	0.019%
253	13.233	13.212	13.241	HH	41934	668743	0.44%	0.062%
254	13.256	13.241	13.258	HH	42498	413041	0.27%	0.038%
255	13.262	13.258	13.265	HH	42583	183672	0.12%	0.017%
256	13.269	13.265	13.275	HH	42854	249327	0.16%	0.023%
257	13.277	13.275	13.289	HH	42006	333937	0.22%	0.031%
258	13.291	13.289	13.313	HH	39467	549792	0.36%	0.051%
259	13.315	13.313	13.319	HH	35898	138819	0.09%	0.013%
260	13.331	13.319	13.353	HH	36884	711398	0.47%	0.066%
261	13.391	13.353	13.402	HH	100899	1883160	1.24%	0.175%
262	13.422	13.402	13.452	HH	154153	3041733	2.01%	0.283%
263	13.486	13.452	13.528	HH	163461	4158056	2.75%	0.387%
264	13.530	13.528	13.534	HH	37219	144050	0.10%	0.013%
265	13.537	13.534	13.542	HH	37237	183623	0.12%	0.017%
266	13.554	13.542	13.564	HH	37789	485608	0.32%	0.045%
267	13.584	13.564	13.595	HH	44511	765485	0.51%	0.071%
268	13.614	13.595	13.623	HH	46798	734576	0.49%	0.068%
269	13.626	13.623	13.629	HH	45641	188939	0.12%	0.018%
270	13.662	13.629	13.672	HH	212915	3123821	2.07%	0.291%
271	13.682	13.672	13.708	HH	221676	3081019	2.04%	0.287%
272	13.712	13.708	13.733	HH	53891	720277	0.48%	0.067%
273	13.783	13.733	13.805	HH	62718	2359246	1.56%	0.220%
274	13.831	13.805	13.844	HH	117394	2085918	1.38%	0.194%
275	13.850	13.844	13.884	HH	98622	1851113	1.22%	0.172%
276	13.893	13.884	13.911	HH	57310	893304	0.59%	0.083%
277	13.936	13.911	13.972	HH	97383	2631166	1.74%	0.245%
278	13.999	13.972	14.031	HH	179418	3481326	2.30%	0.324%
279	14.054	14.031	14.090	HH	117716	2975759	1.97%	0.277%
280	14.107	14.090	14.134	HH	101837	1891340	1.25%	0.176%
281	14.154	14.134	14.182	HH	62347	1583164	1.05%	0.147%
282	14.185	14.182	14.205	HH	48334	649553	0.43%	0.060%
283	14.208	14.205	14.214	HH	46379	258024	0.17%	0.024%
284	14.229	14.214	14.252	HH	53807	1115138	0.74%	0.104%
285	14.259	14.252	14.261	HH	47249	250654	0.17%	0.023%
286	14.265	14.261	14.267	HH	47840	172671	0.11%	0.016%
287	14.270	14.267	14.279	HH	47853	342088	0.23%	0.032%
288	14.282	14.279	14.286	HH	45893	173202	0.11%	0.016%
289	14.291	14.286	14.296	HH	45080	277331	0.18%	0.026%
290	14.317	14.296	14.341	HH	49473	1272743	0.84%	0.119%
291	14.385	14.341	14.406	HH	69924	2233716	1.48%	0.208%
292	14.422	14.406	14.439	HH	76770	1309059	0.87%	0.122%
293	14.466	14.439	14.501	HH	143128	3456790	2.29%	0.322%
294	14.539	14.501	14.550	HH	61892	1644850	1.09%	0.153%
295	14.561	14.550	14.576	HH	63307	975707	0.65%	0.091%
296	14.578	14.576	14.596	HH	59270	667271	0.44%	0.062%
297	14.600	14.596	14.605	HH	54688	319430	0.21%	0.030%
298	14.613	14.605	14.620	HH	53929	464452	0.31%	0.043%
299	14.623	14.620	14.629	HH	53528	273210	0.18%	0.025%

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300	14.631	14.629	14.639	HH	52104	322060	0.21%	0.030%
301	14.642	14.639	14.652	HH	51229	379008	0.25%	0.035%
302	14.667	14.652	14.673	HH	52109	651948	0.43%	0.061%
303	14.686	14.673	14.695	HH	54415	698491	0.46%	0.065%
304	14.701	14.695	14.718	HH	55463	756186	0.50%	0.070%
305	14.723	14.718	14.726	HH	54662	276761	0.18%	0.026%
306	14.728	14.726	14.736	HH	54413	313901	0.21%	0.029%
307	14.744	14.736	14.766	HH	55885	981190	0.65%	0.091%
308	14.769	14.766	14.779	HH	54967	401989	0.27%	0.037%
309	14.782	14.779	14.789	HH	54174	350560	0.23%	0.033%
310	14.793	14.789	14.798	HH	53417	267382	0.18%	0.025%
311	14.800	14.798	14.803	HH	53388	154972	0.10%	0.014%
312	14.818	14.803	14.821	HH	55363	581246	0.38%	0.054%
313	14.866	14.821	14.880	HH	67460	2186047	1.45%	0.204%
314	14.883	14.880	14.886	HH	65721	228011	0.15%	0.021%
315	14.888	14.886	14.891	HH	65887	210894	0.14%	0.020%
316	14.893	14.891	14.924	HH	65318	1178960	0.78%	0.110%
317	14.934	14.924	14.937	HH	58970	460980	0.30%	0.043%
318	14.946	14.937	14.949	HH	59840	434270	0.29%	0.040%
319	14.954	14.949	14.961	HH	59961	397978	0.26%	0.037%
320	14.969	14.961	14.978	HH	61241	620835	0.41%	0.058%
321	14.980	14.978	14.982	HH	59136	139049	0.09%	0.013%
322	15.005	14.982	15.021	HH	70981	1565797	1.04%	0.146%
323	15.055	15.021	15.082	HH	164191	3642596	2.41%	0.339%
324	15.087	15.082	15.091	HH	66579	335341	0.22%	0.031%
325	15.093	15.091	15.108	HH	66033	674398	0.45%	0.063%
326	15.110	15.108	15.119	HH	61699	392292	0.26%	0.037%
327	15.121	15.119	15.125	HH	60735	235750	0.16%	0.022%
328	15.132	15.125	15.137	HH	62093	441753	0.29%	0.041%
329	15.148	15.137	15.150	HH	60975	455106	0.30%	0.042%
330	15.158	15.150	15.160	HH	63108	384058	0.25%	0.036%
331	15.164	15.160	15.166	HH	63358	209555	0.14%	0.020%
332	15.170	15.166	15.173	HH	65211	277118	0.18%	0.026%
333	15.175	15.173	15.178	HH	64498	174528	0.12%	0.016%
334	15.187	15.178	15.191	HH	67117	515184	0.34%	0.048%
335	15.193	15.191	15.199	HH	65771	313637	0.21%	0.029%
336	15.202	15.199	15.206	HH	65838	284878	0.19%	0.027%
337	15.218	15.206	15.249	HH	71323	1737759	1.15%	0.162%
338	15.251	15.249	15.261	HH	64744	485638	0.32%	0.045%
339	15.264	15.261	15.272	HH	64424	395596	0.26%	0.037%
340	15.279	15.272	15.282	HH	65677	389154	0.26%	0.036%
341	15.287	15.282	15.298	HH	67185	629781	0.42%	0.059%
342	15.303	15.298	15.306	HH	65630	319148	0.21%	0.030%
343	15.314	15.306	15.325	HH	66865	761791	0.50%	0.071%
344	15.328	15.325	15.333	HH	66166	319912	0.21%	0.030%
345	15.341	15.333	15.343	HH	66544	383699	0.25%	0.036%
346	15.349	15.343	15.361	HH	67568	723339	0.48%	0.067%
347	15.381	15.361	15.384	HH	71996	961300	0.64%	0.090%
348	15.387	15.384	15.393	HH	70899	367385	0.24%	0.034%
349	15.402	15.393	15.417	HH	70886	991690	0.66%	0.092%
350	15.429	15.417	15.435	HH	70057	765487	0.51%	0.071%
351	15.440	15.435	15.443	HH	70862	350693	0.23%	0.033%

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352	15.457	15.443	15.463	HH	73115	821373	0.54%	0.076%
353	15.467	15.463	15.470	HH	73367	341114	0.23%	0.032%
354	15.496	15.470	15.515	HH	84353	2102121	1.39%	0.196%
355	15.518	15.515	15.519	HH	73376	190757	0.13%	0.018%
356	15.523	15.519	15.526	HH	73592	271755	0.18%	0.025%
357	15.527	15.526	15.537	HH	73203	481427	0.32%	0.045%
358	15.558	15.537	15.575	HH	83549	1798509	1.19%	0.168%
359	15.579	15.575	15.589	HH	75471	607241	0.40%	0.057%
360	15.591	15.589	15.601	HH	75168	532105	0.35%	0.050%
361	15.603	15.601	15.607	HH	72593	273537	0.18%	0.025%
362	15.610	15.607	15.613	HH	72197	254073	0.17%	0.024%
363	15.630	15.613	15.632	HH	78145	845198	0.56%	0.079%
364	15.656	15.632	15.675	HH	84499	2136434	1.41%	0.199%
365	15.678	15.675	15.683	HH	79134	354305	0.23%	0.033%
366	15.685	15.683	15.687	HH	78254	216538	0.14%	0.020%
367	15.691	15.687	15.693	HH	79218	236760	0.16%	0.022%
368	15.695	15.693	15.698	HH	80612	273192	0.18%	0.025%
369	15.703	15.698	15.705	HH	80597	338898	0.22%	0.032%
370	15.709	15.705	15.713	HH	79973	365412	0.24%	0.034%
371	15.742	15.713	15.747	HH	86580	1696851	1.12%	0.158%
372	15.750	15.747	15.757	HH	86706	530168	0.35%	0.049%
373	15.760	15.757	15.774	HH	84951	839168	0.55%	0.078%
374	15.777	15.774	15.782	HH	82407	382645	0.25%	0.036%
375	15.806	15.782	15.811	HH	85806	1473152	0.97%	0.137%
376	15.814	15.811	15.817	HH	85573	270883	0.18%	0.025%
377	15.820	15.817	15.822	HH	85683	283385	0.19%	0.026%
378	15.824	15.822	15.825	HH	85403	166595	0.11%	0.016%
379	15.829	15.825	15.835	HH	86503	513765	0.34%	0.048%
380	15.853	15.835	15.884	HH	92424	2536186	1.68%	0.236%
381	15.907	15.884	15.915	HH	91796	1673490	1.11%	0.156%
382	15.938	15.915	15.960	HH	121947	2829804	1.87%	0.264%
383	15.972	15.960	15.975	HH	107659	993997	0.66%	0.093%
384	15.978	15.975	16.003	HH	106119	1623609	1.07%	0.151%
385	16.007	16.003	16.010	HH	91913	377955	0.25%	0.035%
386	16.041	16.010	16.061	HH	125857	3325334	2.20%	0.310%
387	16.069	16.061	16.072	HH	103202	659134	0.44%	0.061%
388	16.074	16.072	16.093	HH	102713	1300237	0.86%	0.121%
389	16.096	16.093	16.104	HH	100157	626132	0.41%	0.058%
390	16.117	16.104	16.119	HH	100355	904409	0.60%	0.084%
391	16.124	16.119	16.133	HH	100179	804193	0.53%	0.075%
392	16.143	16.133	16.149	HH	101568	941389	0.62%	0.088%
393	16.156	16.149	16.172	HH	101719	1398741	0.92%	0.130%
394	16.176	16.172	16.180	HH	98472	482227	0.32%	0.045%
395	16.192	16.180	16.194	HH	100593	831399	0.55%	0.077%
396	16.199	16.194	16.202	HH	103282	489265	0.32%	0.046%
397	16.207	16.202	16.210	HH	104081	467603	0.31%	0.044%
398	16.219	16.210	16.226	HH	108003	1025032	0.68%	0.095%
399	16.228	16.226	16.234	HH	105460	476065	0.31%	0.044%
400	16.237	16.234	16.240	HH	104249	409695	0.27%	0.038%
401	16.256	16.240	16.263	HH	120144	1539343	1.02%	0.143%
402	16.265	16.263	16.275	HH	115908	797202	0.53%	0.074%
403	16.277	16.275	16.289	HH	108264	893868	0.59%	0.083%
404	16.296	16.289	16.299	HH	106317	630923	0.42%	0.059%

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405	16.319	16.299	16.340	HH	121476	2834557	1.87%	0.264%
406	16.345	16.340	16.354	HH	108050	850277	0.56%	0.079%
407	16.360	16.354	16.368	HH	108336	928094	0.61%	0.086%
408	16.376	16.368	16.380	HH	111998	817131	0.54%	0.076%
409	16.389	16.380	16.399	HH	113197	1224102	0.81%	0.114%
410	16.407	16.399	16.410	HH	112784	777896	0.51%	0.072%
411	16.437	16.410	16.465	HH	135861	4147518	2.74%	0.386%
412	16.468	16.465	16.471	HH	120750	429903	0.28%	0.040%
413	16.476	16.471	16.478	HH	122388	534982	0.35%	0.050%
414	16.481	16.478	16.483	HH	123621	368588	0.24%	0.034%
415	16.488	16.483	16.499	HH	124694	1106663	0.73%	0.103%
416	16.502	16.499	16.515	HH	121718	1204737	0.80%	0.112%
417	16.517	16.515	16.527	HH	117745	805860	0.53%	0.075%
418	16.531	16.527	16.533	HH	116342	401541	0.27%	0.037%
419	16.536	16.533	16.540	HH	115873	466612	0.31%	0.043%
420	16.544	16.540	16.547	HH	116114	492882	0.33%	0.046%
421	16.550	16.547	16.552	HH	116838	347056	0.23%	0.032%
422	16.555	16.552	16.558	HH	117673	399119	0.26%	0.037%
423	16.563	16.558	16.568	HH	120581	733667	0.49%	0.068%
424	16.572	16.568	16.577	HH	121457	660361	0.44%	0.062%
425	16.579	16.577	16.583	HH	119751	411849	0.27%	0.038%
426	16.597	16.583	16.600	HH	122378	1278629	0.85%	0.119%
427	16.604	16.600	16.608	HH	122009	580423	0.38%	0.054%
428	16.611	16.608	16.617	HH	122797	656961	0.43%	0.061%
429	16.632	16.617	16.637	HH	132367	1493707	0.99%	0.139%
430	16.639	16.637	16.657	HH	130989	1487461	0.98%	0.139%
431	16.660	16.657	16.664	HH	123627	551237	0.36%	0.051%
432	16.667	16.664	16.671	HH	124054	471525	0.31%	0.044%
433	16.681	16.671	16.684	HH	126681	1035867	0.68%	0.096%
434	16.691	16.684	16.694	HH	127195	739697	0.49%	0.069%
435	16.716	16.694	16.720	HH	136129	1984254	1.31%	0.185%
436	16.722	16.720	16.730	HH	134243	807779	0.53%	0.075%
437	16.732	16.730	16.735	HH	129047	393950	0.26%	0.037%
438	16.738	16.735	16.746	HH	128130	838850	0.55%	0.078%
439	16.748	16.746	16.751	HH	127364	375921	0.25%	0.035%
440	16.754	16.751	16.759	HH	126659	615956	0.41%	0.057%
441	16.762	16.759	16.764	HH	128081	397753	0.26%	0.037%
442	16.768	16.764	16.777	HH	129478	961506	0.64%	0.090%
443	16.801	16.777	16.818	HH	147728	3410443	2.25%	0.318%
444	16.821	16.818	16.829	HH	132462	800489	0.53%	0.075%
445	16.832	16.829	16.836	HH	129705	585234	0.39%	0.055%
446	16.846	16.836	16.850	HH	133201	1127106	0.75%	0.105%
447	16.853	16.850	16.856	HH	130780	465269	0.31%	0.043%
448	16.859	16.856	16.861	HH	130576	335095	0.22%	0.031%
449	16.863	16.861	16.865	HH	130612	358695	0.24%	0.033%
450	16.895	16.865	16.911	HH	153111	3908666	2.58%	0.364%
451	16.915	16.911	16.918	HH	137951	521665	0.34%	0.049%
452	16.927	16.918	16.932	HH	140750	1248080	0.83%	0.116%
453	16.939	16.932	16.941	HH	141718	740195	0.49%	0.069%
454	16.952	16.941	16.965	HH	151882	2070364	1.37%	0.193%
455	16.967	16.965	16.973	HH	141755	721510	0.48%	0.067%
456	16.976	16.973	16.986	HH	141508	1057635	0.70%	0.099%

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457	16.990	16.986	17.009	HH	138011	1868817	1.24%	0.174%
458	17.034	17.009	17.053	HH	150904	3801471	2.51%	0.354%
459	17.055	17.053	17.059	HH	140824	485829	0.32%	0.045%
460	17.062	17.059	17.073	HH	140551	1208446	0.80%	0.113%
461	17.100	17.073	17.124	HH	161916	4516255	2.99%	0.421%
462	17.131	17.124	17.133	HH	143569	748077	0.49%	0.070%
463	17.136	17.133	17.141	HH	143645	671437	0.44%	0.063%
464	17.146	17.141	17.148	HH	142639	636753	0.42%	0.059%
465	17.166	17.148	17.171	HH	163971	2114731	1.40%	0.197%
466	17.173	17.171	17.182	HH	162521	1045150	0.69%	0.097%
467	17.186	17.182	17.189	HH	154683	630006	0.42%	0.059%
468	17.192	17.189	17.195	HH	155686	588836	0.39%	0.055%
469	17.198	17.195	17.200	HH	154859	400173	0.26%	0.037%
470	17.201	17.200	17.208	HH	154312	736334	0.49%	0.069%
471	17.211	17.208	17.212	HH	153568	418738	0.28%	0.039%
472	17.215	17.212	17.219	HH	154953	587570	0.39%	0.055%
473	17.226	17.219	17.233	HH	155658	1300197	0.86%	0.121%
474	17.234	17.233	17.239	HH	153648	522119	0.35%	0.049%
475	17.241	17.239	17.245	HH	151076	612183	0.40%	0.057%
476	17.256	17.245	17.259	HH	156649	1197394	0.79%	0.112%
477	17.263	17.259	17.265	HH	157727	621937	0.41%	0.058%
478	17.271	17.265	17.277	HH	159259	1079609	0.71%	0.101%
479	17.281	17.277	17.284	HH	160092	665026	0.44%	0.062%
480	17.292	17.284	17.304	HH	164969	1988395	1.31%	0.185%
481	17.307	17.304	17.309	HH	156711	452865	0.30%	0.042%
482	17.329	17.309	17.354	HH	185525	4449249	2.94%	0.414%
483	17.357	17.354	17.365	HH	151749	1063548	0.70%	0.099%
484	17.372	17.365	17.382	HH	153320	1543558	1.02%	0.144%
485	17.396	17.382	17.400	HH	158320	1676158	1.11%	0.156%
486	17.426	17.400	17.439	HH	195301	4157360	2.75%	0.387%
487	17.442	17.439	17.447	HH	171560	780216	0.52%	0.073%
488	17.450	17.447	17.454	HH	170344	683682	0.45%	0.064%
489	17.457	17.454	17.464	HH	172032	1005602	0.66%	0.094%
490	17.466	17.464	17.470	HH	168541	620453	0.41%	0.058%
491	17.473	17.470	17.486	HH	166399	1605795	1.06%	0.150%
492	17.488	17.486	17.493	HH	164516	707869	0.47%	0.066%
493	17.496	17.493	17.510	HH	162792	1667191	1.10%	0.155%
494	17.513	17.510	17.522	HH	157575	1052635	0.70%	0.098%
495	17.531	17.522	17.533	HH	162705	1129844	0.75%	0.105%
496	17.537	17.533	17.539	HH	163436	493860	0.33%	0.046%
497	17.541	17.539	17.551	HH	163601	1212323	0.80%	0.113%
498	17.553	17.551	17.559	HH	159019	781869	0.52%	0.073%
499	17.574	17.559	17.577	HH	159599	1661031	1.10%	0.155%
500	17.579	17.577	17.582	HH	159303	458941	0.30%	0.043%
501	17.587	17.582	17.591	HH	163125	892919	0.59%	0.083%
502	17.615	17.591	17.617	HH	177208	2638389	1.74%	0.246%
503	17.622	17.617	17.631	HH	178963	1501453	0.99%	0.140%
504	17.634	17.631	17.643	HH	173359	1169310	0.77%	0.109%
505	17.649	17.643	17.657	HH	171499	1445754	0.96%	0.135%
506	17.662	17.657	17.665	HH	168293	805720	0.53%	0.075%
507	17.674	17.665	17.682	HH	169375	1710968	1.13%	0.159%
508	17.689	17.682	17.691	HH	170873	885929	0.59%	0.083%
509	17.695	17.691	17.697	HH	175026	666512	0.44%	0.062%

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510	17.703	17.697	17.722	HH	176780	2524735	1.67%	0.235%
511	17.726	17.722	17.728	HH	169775	658349	0.44%	0.061%
512	17.732	17.728	17.735	HH	173128	645658	0.43%	0.060%
513	17.755	17.735	17.776	HH	201112	4723791	3.12%	0.440%
514	17.793	17.776	17.813	HH	202950	4143137	2.74%	0.386%
515	17.815	17.813	17.818	HH	178815	544705	0.36%	0.051%
516	17.820	17.818	17.823	HH	179088	527182	0.35%	0.049%
517	17.826	17.823	17.829	HH	178085	623493	0.41%	0.058%
518	17.832	17.829	17.850	HH	181591	2270150	1.50%	0.211%
519	17.861	17.850	17.871	HH	178832	2169541	1.43%	0.202%
520	17.876	17.871	17.880	HH	177207	973675	0.64%	0.091%
521	17.884	17.880	17.886	HH	176665	591375	0.39%	0.055%
522	17.890	17.886	17.892	HH	177972	690965	0.46%	0.064%
523	17.894	17.892	17.897	HH	176995	447726	0.30%	0.042%
524	17.900	17.897	17.908	HH	176908	1182551	0.78%	0.110%
525	17.910	17.908	17.913	HH	172183	533551	0.35%	0.050%
526	17.927	17.913	17.929	HH	176350	1707514	1.13%	0.159%
527	17.943	17.929	17.949	HH	187415	2188461	1.45%	0.204%
528	17.952	17.949	17.972	HH	184935	2425162	1.60%	0.226%
529	17.981	17.972	17.985	HH	178212	1334443	0.88%	0.124%
530	17.987	17.985	18.002	HH	176584	1772995	1.17%	0.165%
531	18.006	18.002	18.008	HH	174128	667913	0.44%	0.062%
532	18.016	18.008	18.022	HH	181497	1493054	0.99%	0.139%
533	18.024	18.022	18.039	HH	181396	1813237	1.20%	0.169%
534	18.046	18.039	18.049	HH	177106	1096305	0.72%	0.102%
535	18.060	18.049	18.068	HH	178941	2036013	1.35%	0.190%
536	18.077	18.068	18.081	HH	180681	1336817	0.88%	0.125%
537	18.093	18.081	18.096	HH	183255	1665412	1.10%	0.155%
538	18.098	18.096	18.101	HH	181846	481321	0.32%	0.045%
539	18.105	18.101	18.107	HH	184097	750403	0.50%	0.070%
540	18.115	18.107	18.122	HH	186999	1627578	1.08%	0.152%
541	18.124	18.122	18.127	HH	185530	539284	0.36%	0.050%
542	18.129	18.127	18.137	HH	186467	1090476	0.72%	0.102%
543	18.166	18.137	18.186	HH	207420	5811220	3.84%	0.541%
544	18.195	18.186	18.197	HH	186647	1161860	0.77%	0.108%
545	18.213	18.197	18.236	HH	211406	4578715	3.03%	0.426%
546	18.240	18.236	18.243	HH	183209	800239	0.53%	0.075%
547	18.264	18.243	18.278	HH	212028	4211633	2.78%	0.392%
548	18.281	18.278	18.288	HH	201848	1179467	0.78%	0.110%
549	18.296	18.288	18.299	HH	198236	1238367	0.82%	0.115%
550	18.301	18.299	18.306	HH	195210	886051	0.59%	0.083%
551	18.311	18.306	18.321	HH	191877	1650618	1.09%	0.154%
552	18.326	18.321	18.328	HH	188886	809208	0.53%	0.075%
553	18.331	18.328	18.334	HH	189009	610417	0.40%	0.057%
554	18.336	18.334	18.340	HH	190292	754580	0.50%	0.070%
555	18.344	18.340	18.352	HH	191148	1322515	0.87%	0.123%
556	18.356	18.352	18.369	HH	192804	2008564	1.33%	0.187%
557	18.372	18.369	18.377	HH	190135	874121	0.58%	0.081%
558	18.381	18.377	18.383	HH	191188	710611	0.47%	0.066%
559	18.397	18.383	18.406	HH	200532	2594167	1.71%	0.242%
560	18.408	18.406	18.413	HH	199273	827675	0.55%	0.077%
561	18.415	18.413	18.418	HH	194962	684750	0.45%	0.064%

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562	18.421	18.418	18.424	HH	195466	647657	0.43%	0.060%
563	18.427	18.424	18.430	HH	192005	719027	0.48%	0.067%
564	18.433	18.430	18.436	HH	194772	615426	0.41%	0.057%
565	18.443	18.436	18.447	HH	192940	1256619	0.83%	0.117%
566	18.451	18.447	18.459	HH	194590	1474704	0.97%	0.137%
567	18.463	18.459	18.469	HH	195870	1140764	0.75%	0.106%
568	18.481	18.469	18.490	HH	199945	2457135	1.62%	0.229%
569	18.493	18.490	18.495	HH	198809	652540	0.43%	0.061%
570	18.499	18.495	18.503	HH	203641	918802	0.61%	0.086%
571	18.509	18.503	18.512	HH	200356	1128671	0.75%	0.105%
572	18.514	18.512	18.521	HH	199317	1044159	0.69%	0.097%
573	18.559	18.521	18.588	HH	229789	8474434	5.60%	0.789%
574	18.614	18.588	18.637	HH	219216	6084347	4.02%	0.567%
575	18.644	18.637	18.656	HH	204806	2272526	1.50%	0.212%
576	18.660	18.656	18.670	HH	205263	1769197	1.17%	0.165%
577	18.673	18.670	18.678	HH	203545	896355	0.59%	0.083%
578	18.683	18.678	18.687	HH	201692	1113614	0.74%	0.104%
579	18.691	18.687	18.694	HH	200696	875250	0.58%	0.082%
580	18.701	18.694	18.704	HH	202783	1117550	0.74%	0.104%
581	18.707	18.704	18.713	HH	204300	1113178	0.74%	0.104%
582	18.730	18.713	18.734	HH	210494	2629914	1.74%	0.245%
583	18.741	18.734	18.751	HH	211491	2178554	1.44%	0.203%
584	18.755	18.751	18.764	HH	208953	1500601	0.99%	0.140%
585	18.768	18.764	18.772	HH	204155	1007690	0.67%	0.094%
586	18.777	18.772	18.781	HH	203038	1106270	0.73%	0.103%
587	18.785	18.781	18.788	HH	204253	806487	0.53%	0.075%
588	18.791	18.788	18.794	HH	205286	718095	0.47%	0.067%
589	18.798	18.794	18.800	HH	206381	790969	0.52%	0.074%
590	18.804	18.800	18.815	HH	209729	1868713	1.24%	0.174%
591	18.818	18.815	18.821	HH	209557	751426	0.50%	0.070%
592	18.824	18.821	18.827	HH	207494	721257	0.48%	0.067%
593	18.832	18.827	18.841	HH	210514	1755964	1.16%	0.164%
594	18.853	18.841	18.855	HH	207186	1759511	1.16%	0.164%
595	18.857	18.855	18.860	HH	207691	613900	0.41%	0.057%
596	18.863	18.860	18.865	HH	206066	612367	0.40%	0.057%
597	18.871	18.865	18.874	HH	211160	1146711	0.76%	0.107%
598	18.878	18.874	18.881	HH	208015	817298	0.54%	0.076%
599	18.883	18.881	18.886	HH	208641	667544	0.44%	0.062%
600	18.889	18.886	18.891	HH	205761	569031	0.38%	0.053%
601	18.897	18.891	18.900	HH	210678	1081642	0.72%	0.101%
602	18.907	18.900	18.913	HH	215673	1648562	1.09%	0.154%
603	18.943	18.913	18.954	HH	231809	5505024	3.64%	0.513%
604	18.956	18.954	18.961	HH	233279	1050614	0.69%	0.098%
605	18.963	18.961	18.967	HH	225602	768903	0.51%	0.072%
606	18.970	18.967	18.974	HH	226494	995682	0.66%	0.093%
607	18.977	18.974	18.994	HH	223957	2575725	1.70%	0.240%
608	19.010	18.994	19.013	HH	222794	2364856	1.56%	0.220%
609	19.016	19.013	19.020	HH	226297	957386	0.63%	0.089%
610	19.022	19.020	19.031	HH	224347	1472486	0.97%	0.137%
611	19.039	19.031	19.046	HH	220551	1909056	1.26%	0.178%
612	19.049	19.046	19.056	HH	218857	1372239	0.91%	0.128%
613	19.059	19.056	19.062	HH	217576	757485	0.50%	0.071%
614	19.073	19.062	19.084	HH	217591	2807398	1.86%	0.261%

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615	19.093	19.084	19.096	HH	221785	1643751	1.09%	0.153%
616	19.099	19.096	19.106	HH	222406	1296334	0.86%	0.121%
617	19.112	19.106	19.117	HH	219679	1420581	0.94%	0.132%
618	19.120	19.117	19.123	HH	219938	809931	0.54%	0.075%
619	19.125	19.123	19.130	HH	218379	922767	0.61%	0.086%
620	19.141	19.130	19.144	HH	221891	1803097	1.19%	0.168%
621	19.146	19.144	19.154	HH	221268	1298878	0.86%	0.121%
622	19.157	19.154	19.163	HH	221053	1270780	0.84%	0.118%
623	19.167	19.163	19.169	HH	220177	766188	0.51%	0.071%
624	19.173	19.169	19.182	HH	224960	1655033	1.09%	0.154%
625	19.188	19.182	19.193	HH	225685	1538623	1.02%	0.143%
626	19.197	19.193	19.201	HH	225087	1065430	0.70%	0.099%
627	19.203	19.201	19.209	HH	221989	1041862	0.69%	0.097%
628	19.213	19.209	19.216	HH	218593	914408	0.60%	0.085%
629	19.225	19.216	19.227	HH	226590	1472031	0.97%	0.137%
630	19.237	19.227	19.245	HH	231863	2479621	1.64%	0.231%
631	19.248	19.245	19.252	HH	228828	938194	0.62%	0.087%
632	19.254	19.252	19.268	HH	227797	2103748	1.39%	0.196%
633	19.271	19.268	19.276	HH	225767	1087245	0.72%	0.101%
634	19.282	19.276	19.293	HH	228227	2336049	1.54%	0.218%
635	19.322	19.293	19.324	HH	250569	4428001	2.93%	0.412%
636	19.327	19.324	19.344	HH	252107	2765352	1.83%	0.258%
637	19.347	19.344	19.352	HH	232932	1148838	0.76%	0.107%
638	19.364	19.352	19.368	HH	236051	2259298	1.49%	0.210%
639	19.373	19.368	19.386	HH	232330	2487814	1.64%	0.232%
640	19.390	19.386	19.393	HH	226415	838750	0.55%	0.078%
641	19.396	19.393	19.403	HH	226503	1377281	0.91%	0.128%
642	19.406	19.403	19.416	HH	227999	1816386	1.20%	0.169%
643	19.427	19.416	19.429	HH	235247	1792278	1.18%	0.167%
644	19.433	19.429	19.435	HH	235913	860911	0.57%	0.080%
645	19.442	19.435	19.446	HH	238452	1480455	0.98%	0.138%
646	19.448	19.446	19.451	HH	233154	768150	0.51%	0.072%
647	19.454	19.451	19.457	HH	230339	767729	0.51%	0.072%
648	19.468	19.457	19.477	HH	235252	2803622	1.85%	0.261%
649	19.480	19.477	19.482	HH	230775	755981	0.50%	0.070%
650	19.485	19.482	19.494	HH	231495	1572756	1.04%	0.146%
651	19.500	19.494	19.503	HH	232961	1284887	0.85%	0.120%
652	19.505	19.503	19.509	HH	231980	781761	0.52%	0.073%
653	19.513	19.509	19.517	HH	233233	1144425	0.76%	0.107%
654	19.521	19.517	19.523	HH	236314	787766	0.52%	0.073%
655	19.543	19.523	19.567	HH	247354	6334636	4.19%	0.590%
656	19.569	19.567	19.573	HH	236640	976989	0.65%	0.091%
657	19.576	19.573	19.580	HH	235610	898691	0.59%	0.084%
658	19.583	19.580	19.587	HH	235223	993154	0.66%	0.092%
659	19.593	19.587	19.596	HH	239143	1295866	0.86%	0.121%
660	19.603	19.596	19.611	HH	237777	2062290	1.36%	0.192%
661	19.614	19.611	19.616	HH	235526	765964	0.51%	0.071%
662	19.620	19.616	19.623	HH	237820	950510	0.63%	0.089%
663	19.624	19.623	19.628	HH	237744	694399	0.46%	0.065%
664	19.630	19.628	19.633	HH	236051	684629	0.45%	0.064%
665	19.639	19.633	19.641	HH	235705	1193691	0.79%	0.111%
666	19.646	19.641	19.649	HH	239300	1106402	0.73%	0.103%

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667	19.653	19.649	19.655	HH	239271	932542	0.62%	0.087%
668	19.659	19.655	19.663	HH	241251	1023312	0.68%	0.095%
669	19.665	19.663	19.668	HH	238006	714172	0.47%	0.067%
670	19.679	19.668	19.682	HH	246858	2077916	1.37%	0.194%
671	19.687	19.682	19.689	HH	255043	1130896	0.75%	0.105%
672	19.692	19.689	19.701	HH	254112	1698963	1.12%	0.158%
673	19.708	19.701	19.718	HH	254249	2573020	1.70%	0.240%
674	19.721	19.718	19.734	HH	251871	2356708	1.56%	0.219%
675	19.736	19.734	19.745	HH	242641	1554056	1.03%	0.145%
676	19.752	19.745	19.755	HH	240848	1492153	0.99%	0.139%
677	19.758	19.755	19.761	HH	243485	834482	0.55%	0.078%
678	19.764	19.761	19.766	HH	242724	772924	0.51%	0.072%
679	19.769	19.766	19.770	HH	244109	605327	0.40%	0.056%
680	19.778	19.770	19.783	HH	248649	1950580	1.29%	0.182%
681	19.786	19.783	19.790	HH	247855	963847	0.64%	0.090%
682	19.793	19.790	19.800	HH	248843	1509887	1.00%	0.141%
683	19.803	19.800	19.806	HH	244143	903478	0.60%	0.084%
684	19.809	19.806	19.813	HH	242252	940692	0.62%	0.088%
685	19.823	19.813	19.828	HH	249204	2273184	1.50%	0.212%
686	19.833	19.828	19.839	HH	253360	1670642	1.10%	0.156%
687	19.843	19.839	19.845	HH	255662	882625	0.58%	0.082%
688	19.854	19.845	19.868	HH	257369	3498287	2.31%	0.326%
689	19.872	19.868	19.876	HH	248612	1115535	0.74%	0.104%
690	19.879	19.876	19.894	HH	249057	2584645	1.71%	0.241%
691	19.907	19.894	19.910	HH	246986	2400928	1.59%	0.224%
692	19.914	19.910	19.917	HH	248236	1007939	0.67%	0.094%
693	19.918	19.917	19.926	HH	249655	1313222	0.87%	0.122%
694	19.929	19.926	19.931	HH	243573	747891	0.49%	0.070%
695	19.934	19.931	19.939	HH	243981	1096691	0.72%	0.102%
696	19.946	19.939	19.953	HH	247035	2156267	1.43%	0.201%
697	19.963	19.953	19.970	HH	251793	2541176	1.68%	0.237%
698	19.974	19.970	19.988	HH	249042	2534947	1.68%	0.236%
699	19.996	19.988	19.999	HH	245939	1616321	1.07%	0.151%
700	20.002	19.999	20.004	HH	246790	816937	0.54%	0.076%
701	20.009	20.004	20.012	HH	249915	1140515	0.75%	0.106%
702	20.014	20.012	20.018	HH	249289	809367	0.54%	0.075%
703	20.042	20.018	20.063	HH	271378	7037412	4.65%	0.655%
704	20.067	20.063	20.070	HH	247035	941813	0.62%	0.088%
705	20.073	20.070	20.076	HH	250906	943927	0.62%	0.088%
706	20.081	20.076	20.086	HH	247767	1457650	0.96%	0.136%
707	20.092	20.086	20.095	HH	253881	1396072	0.92%	0.130%
708	20.100	20.095	20.118	HH	254868	3392497	2.24%	0.316%
709	20.125	20.118	20.129	HH	254007	1615779	1.07%	0.150%
710	20.139	20.129	20.143	HH	261706	2285475	1.51%	0.213%
711	20.149	20.143	20.152	HH	258768	1312963	0.87%	0.122%
712	20.154	20.152	20.169	HH	258671	2647975	1.75%	0.247%
713	20.174	20.169	20.181	HH	254148	1772651	1.17%	0.165%
714	20.190	20.181	20.193	HH	252969	1816114	1.20%	0.169%
715	20.195	20.193	20.199	HH	252469	824282	0.54%	0.077%
716	20.208	20.199	20.214	HH	256463	2278655	1.51%	0.212%
717	20.216	20.214	20.219	HH	257876	750380	0.50%	0.070%
718	20.224	20.219	20.228	HH	260213	1397058	0.92%	0.130%
719	20.239	20.228	20.242	HH	262068	2245251	1.48%	0.209%

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720	20.244	20.242	20.250	HH	260149	1139090	0.75%	0.106%
721	20.255	20.250	20.264	HH	258645	2249781	1.49%	0.210%
722	20.269	20.264	20.272	HH	258458	1226957	0.81%	0.114%
723	20.280	20.272	20.291	HH	257199	2882422	1.91%	0.268%
724	20.295	20.291	20.297	HH	253527	826686	0.55%	0.077%
725	20.303	20.297	20.313	HH	255050	2431797	1.61%	0.226%
726	20.316	20.313	20.318	HH	254976	805602	0.53%	0.075%
727	20.321	20.318	20.331	HH	256860	1941933	1.28%	0.181%
728	20.334	20.331	20.344	HH	258807	2113191	1.40%	0.197%
729	20.350	20.344	20.357	HH	257276	1850962	1.22%	0.172%
730	20.361	20.357	20.365	HH	256782	1359631	0.90%	0.127%
731	20.370	20.365	20.373	HH	259782	1093749	0.72%	0.102%
732	20.381	20.373	20.416	HH	269369	6813773	4.50%	0.635%
733	20.424	20.416	20.431	HH	253729	2222880	1.47%	0.207%
734	20.437	20.431	20.444	HH	248612	1869515	1.24%	0.174%
735	20.447	20.444	20.451	HH	247837	1071258	0.71%	0.100%
736	20.456	20.451	20.461	HH	248339	1516524	1.00%	0.141%
737	20.471	20.461	20.487	HH	252079	3786517	2.50%	0.353%
738	20.494	20.487	20.496	HH	244372	1381609	0.91%	0.129%
739	20.499	20.496	20.503	HH	244716	945330	0.62%	0.088%
740	20.509	20.503	20.516	HH	250174	1955881	1.29%	0.182%
741	20.519	20.516	20.524	HH	246675	1124281	0.74%	0.105%
742	20.527	20.524	20.530	HH	240921	961878	0.64%	0.090%
743	20.535	20.530	20.538	HH	238698	1013502	0.67%	0.094%
744	20.542	20.538	20.545	HH	241202	1086890	0.72%	0.101%
745	20.552	20.545	20.580	HH	243753	5050954	3.34%	0.470%
746	20.587	20.580	20.590	HH	236422	1295925	0.86%	0.121%
747	20.597	20.590	20.600	HH	238268	1461147	0.97%	0.136%
748	20.603	20.600	20.607	HH	239535	1024181	0.68%	0.095%
749	20.610	20.607	20.624	HH	239638	2397180	1.58%	0.223%
750	20.629	20.624	20.640	HH	234717	2268327	1.50%	0.211%
751	20.643	20.640	20.652	HH	235518	1566696	1.04%	0.146%
752	20.654	20.652	20.658	HH	231889	874988	0.58%	0.081%
753	20.660	20.658	20.664	HH	231283	807552	0.53%	0.075%
754	20.666	20.664	20.672	HH	228586	1075493	0.71%	0.100%
755	20.674	20.672	20.677	HH	229671	735777	0.49%	0.069%
756	20.681	20.677	20.684	HH	228912	950599	0.63%	0.089%
757	20.688	20.684	20.693	HH	229720	1183906	0.78%	0.110%
758	20.697	20.693	20.700	HH	226987	1022500	0.68%	0.095%
759	20.704	20.700	20.714	HH	226768	1936243	1.28%	0.180%
760	20.719	20.714	20.724	HH	224941	1275945	0.84%	0.119%
761	20.729	20.724	20.731	HH	227867	1005247	0.66%	0.094%
762	20.735	20.731	20.738	HH	228786	903415	0.60%	0.084%
763	20.746	20.738	20.751	HH	235874	1737076	1.15%	0.162%
764	20.754	20.751	20.774	HH	232769	3146798	2.08%	0.293%
765	20.777	20.774	20.782	HH	223612	1148379	0.76%	0.107%
766	20.786	20.782	20.796	HH	222594	1748899	1.16%	0.163%
767	20.799	20.796	20.803	HH	219981	902082	0.60%	0.084%
768	20.805	20.803	20.812	HH	217684	1266188	0.84%	0.118%
769	20.815	20.812	20.817	HH	216901	562261	0.37%	0.052%
770	20.820	20.817	20.825	HH	220154	1114403	0.74%	0.104%
771	20.830	20.825	20.838	HH	220280	1704220	1.13%	0.159%

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772	20.842	20.838	20.845	HH	218901	891269	0.59%	0.083%
773	20.849	20.845	20.853	HH	218656	957691	0.63%	0.089%
774	20.858	20.853	20.873	HH	218942	2611369	1.73%	0.243%
775	20.877	20.873	20.880	HH	216967	920967	0.61%	0.086%
776	20.884	20.880	20.888	HH	215795	984489	0.65%	0.092%
777	20.890	20.888	20.893	HH	214674	706510	0.47%	0.066%
778	20.896	20.893	20.899	HH	214513	791187	0.52%	0.074%
779	20.903	20.899	20.905	HH	213966	772998	0.51%	0.072%
780	20.910	20.905	20.913	HH	215671	997853	0.66%	0.093%
781	20.916	20.913	20.926	HH	215184	1644065	1.09%	0.153%
782	20.931	20.926	20.935	HH	212958	1156118	0.76%	0.108%
783	20.938	20.935	20.941	HH	211364	660285	0.44%	0.061%
784	20.944	20.941	20.946	HH	210353	731932	0.48%	0.068%
785	20.949	20.946	20.953	HH	208738	761307	0.50%	0.071%
786	20.958	20.953	20.961	HH	210104	1016932	0.67%	0.095%
787	20.962	20.961	20.975	HH	208140	1807852	1.20%	0.168%
788	20.981	20.975	20.999	HH	209111	2906666	1.92%	0.271%
789	21.004	20.999	21.012	HH	204291	1528002	1.01%	0.142%
790	21.015	21.012	21.019	HH	204104	856444	0.57%	0.080%
791	21.022	21.019	21.025	HH	201795	752778	0.50%	0.070%
792	21.028	21.025	21.030	HH	202047	597803	0.40%	0.056%
793	21.034	21.030	21.038	HH	202661	931108	0.62%	0.087%
794	21.042	21.038	21.047	HH	204752	1151875	0.76%	0.107%
795	21.049	21.047	21.056	HH	199860	1014710	0.67%	0.095%
796	21.063	21.056	21.073	HH	202021	2062439	1.36%	0.192%
797	21.078	21.073	21.081	HH	198030	985006	0.65%	0.092%
798	21.085	21.081	21.087	HH	196789	696022	0.46%	0.065%
799	21.093	21.087	21.103	HH	197524	1813150	1.20%	0.169%
800	21.108	21.103	21.111	HH	196450	1002326	0.66%	0.093%
801	21.121	21.111	21.125	HH	197204	1557244	1.03%	0.145%
802	21.128	21.125	21.131	HH	194498	699213	0.46%	0.065%
803	21.144	21.131	21.150	HH	200978	2241379	1.48%	0.209%
804	21.158	21.150	21.162	HH	201330	1476201	0.98%	0.137%
805	21.168	21.162	21.172	HH	200187	1202783	0.80%	0.112%
806	21.174	21.172	21.180	HH	200089	959322	0.63%	0.089%
807	21.183	21.180	21.187	HH	194359	797054	0.53%	0.074%
808	21.189	21.187	21.193	HH	191660	673052	0.44%	0.063%
809	21.196	21.193	21.201	HH	191336	943611	0.62%	0.088%
810	21.204	21.201	21.211	HH	190212	1107996	0.73%	0.103%
811	21.214	21.211	21.216	HH	187130	561751	0.37%	0.052%
812	21.225	21.216	21.231	HH	191021	1714814	1.13%	0.160%
813	21.236	21.231	21.240	HH	189853	1035104	0.68%	0.096%
814	21.243	21.240	21.245	HH	188398	555083	0.37%	0.052%
					Sum of corrected areas: 1073690759			

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