

rteres
Area Percent Report

Data Path : P:\HPCHEM1\FID_E\Data\FE011718\
Data File : FE025654.D
Signal(s) : FID1B.CH
Acq On : 17 Jan 2018 16:33
Sample : J1154-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: sample.e

Method : P:\HPCHEM1\FID_E\methods\C44-FE010418.M
Title :

Signal : FID1B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.483	2.461	2.499	BH	495	3804	0.03%	0.000%
2	2.502	2.499	2.506	HH	198	489	0.00%	0.000%
3	2.510	2.506	2.519	HH	218	521	0.00%	0.000%
4	2.538	2.519	2.546	PH	295	1953	0.02%	0.000%
5	2.555	2.546	2.564	PH	92	251	0.00%	0.000%
6	2.572	2.564	2.578	PH	97	61	0.00%	0.000%
7	2.592	2.578	2.598	PH	340	678	0.01%	0.000%
8	2.604	2.598	2.618	PH	154	1107	0.01%	0.000%
9	2.623	2.618	2.639	HH	197	988	0.01%	0.000%
10	2.644	2.639	2.679	HH	339	5022	0.04%	0.000%
11	2.687	2.679	2.692	HH	331	2183	0.02%	0.000%
12	2.707	2.692	2.715	HH	491	5173	0.04%	0.001%
13	2.726	2.715	2.737	HH	744	7146	0.06%	0.001%
14	2.746	2.737	2.762	HH	764	9826	0.08%	0.001%
15	2.768	2.762	2.795	HH	752	11047	0.09%	0.001%
16	2.806	2.795	2.821	HH	560	7371	0.06%	0.001%
17	2.833	2.821	2.838	HH	520	5106	0.04%	0.001%
18	2.851	2.838	2.862	HH	759	8597	0.07%	0.001%
19	2.873	2.862	2.888	HH	800	9477	0.07%	0.001%
20	2.893	2.888	2.899	HH	739	4081	0.03%	0.000%
21	2.904	2.899	2.922	HH	625	7780	0.06%	0.001%
22	2.928	2.922	2.934	HH	681	4094	0.03%	0.000%
23	2.958	2.934	3.006	HH	1243	37127	0.29%	0.004%
24	3.026	3.006	3.032	HH	1129	14035	0.11%	0.001%
25	3.048	3.032	3.077	HH	1893	42689	0.34%	0.004%
26	3.082	3.077	3.115	HH	1241	22897	0.18%	0.002%
27	3.132	3.115	3.151	HH	1523	26948	0.21%	0.003%
28	3.158	3.151	3.171	HH	1127	12672	0.10%	0.001%
29	3.175	3.171	3.181	HH	994	5515	0.04%	0.001%
30	3.186	3.181	3.189	HH	957	4453	0.04%	0.000%
31	3.203	3.189	3.220	HH	1373	20441	0.16%	0.002%
32	3.267	3.220	3.307	HH	1999	72203	0.57%	0.007%
33	3.311	3.307	3.314	HH	1373	5145	0.04%	0.001%
34	3.328	3.314	3.334	HH	1643	18370	0.14%	0.002%
35	3.350	3.334	3.358	HH	1549	20671	0.16%	0.002%
36	3.362	3.358	3.372	HH	1415	11194	0.09%	0.001%

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37	3.383	3.372	3.388	HH	1508	13455	0.11%	0.001%
38	3.396	3.388	3.416	HH	1507	22272	0.18%	0.002%
39	3.421	3.416	3.426	HH	1304	7870	0.06%	0.001%
40	3.435	3.426	3.441	HH	1344	10746	0.08%	0.001%
41	3.476	3.441	3.481	HH	1516	33209	0.26%	0.003%
42	3.498	3.481	3.533	HH	3074	63669	0.50%	0.006%
43	3.548	3.533	3.576	HH	1657	38397	0.30%	0.004%
44	3.593	3.576	3.612	HH	1635	33014	0.26%	0.003%
45	3.624	3.612	3.632	HH	1738	19448	0.15%	0.002%
46	3.636	3.632	3.661	HH	1707	26337	0.21%	0.003%
47	3.677	3.661	3.687	HH	1717	24806	0.20%	0.002%
48	3.699	3.687	3.715	HH	1676	26459	0.21%	0.003%
49	3.721	3.715	3.740	HH	1651	23842	0.19%	0.002%
50	3.746	3.740	3.754	HH	1817	14314	0.11%	0.001%
51	3.766	3.754	3.771	HH	2104	19159	0.15%	0.002%
52	3.775	3.771	3.783	HH	2079	14697	0.12%	0.001%
53	3.800	3.783	3.846	HH	5242	102564	0.81%	0.010%
54	3.852	3.846	3.857	HH	1875	11853	0.09%	0.001%
55	3.870	3.857	3.883	HH	2322	30509	0.24%	0.003%
56	3.888	3.883	3.890	HH	1996	8745	0.07%	0.001%
57	3.897	3.890	3.912	HH	2203	26706	0.21%	0.003%
58	3.938	3.912	3.970	HH	2580	79047	0.62%	0.008%
59	4.011	3.970	4.026	HH	3894	90237	0.71%	0.009%
60	4.038	4.026	4.064	HH	3292	66322	0.52%	0.007%
61	4.092	4.064	4.126	HH	4380	115070	0.91%	0.011%
62	4.132	4.126	4.138	HH	2597	18839	0.15%	0.002%
63	4.144	4.138	4.148	HH	2665	14435	0.11%	0.001%
64	4.165	4.148	4.177	HH	3375	51332	0.41%	0.005%
65	4.211	4.177	4.327	HH	16177	713116	5.63%	0.070%
66	4.348	4.327	4.387	HH	11561	243748	1.92%	0.024%
67	4.393	4.387	4.459	HH	4477	168546	1.33%	0.017%
68	4.466	4.459	4.476	HH	3660	36844	0.29%	0.004%
69	4.482	4.476	4.496	HH	3712	40856	0.32%	0.004%
70	4.501	4.496	4.504	HH	3413	17833	0.14%	0.002%
71	4.526	4.504	4.550	HH	3888	98418	0.78%	0.010%
72	4.568	4.550	4.607	HH	10048	181616	1.43%	0.018%
73	4.627	4.607	4.643	HH	5852	103443	0.82%	0.010%
74	4.652	4.643	4.669	HH	4725	65742	0.52%	0.006%
75	4.682	4.669	4.696	HH	3854	61555	0.49%	0.006%
76	4.707	4.696	4.714	HH	3825	38961	0.31%	0.004%
77	4.734	4.714	4.759	HH	8211	155220	1.22%	0.015%
78	4.772	4.759	4.791	HH	4584	83190	0.66%	0.008%
79	4.819	4.791	4.840	HH	7490	167564	1.32%	0.016%
80	4.851	4.840	4.888	HH	5024	130736	1.03%	0.013%
81	4.899	4.888	4.919	HH	4762	81037	0.64%	0.008%
82	4.936	4.919	4.948	HH	5207	82181	0.65%	0.008%
83	4.963	4.948	4.991	HH	6165	140717	1.11%	0.014%
84	5.006	4.991	5.019	HH	5452	85973	0.68%	0.008%
85	5.035	5.019	5.075	HH	7682	197157	1.56%	0.019%
86	5.088	5.075	5.096	HH	4651	55898	0.44%	0.006%
87	5.114	5.096	5.152	HH	5537	154913	1.22%	0.015%
88	5.175	5.152	5.194	HH	6259	122540	0.97%	0.012%
89	5.223	5.194	5.229	HH	7339	130664	1.03%	0.013%

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90	5.243	5.229	5.260	HH	8533	134909	1.06%	0.013%
91	5.274	5.260	5.286	HH	6870	93284	0.74%	0.009%
92	5.305	5.286	5.348	HH	9518	239338	1.89%	0.024%
93	5.373	5.348	5.392	HH	4670	119702	0.94%	0.012%
94	5.410	5.392	5.423	HH	5832	98392	0.78%	0.010%
95	5.429	5.423	5.439	HH	5308	50429	0.40%	0.005%
96	5.501	5.439	5.542	HH	8151	395017	3.12%	0.039%
97	5.561	5.542	5.582	HH	6012	128707	1.02%	0.013%
98	5.604	5.582	5.627	HH	18109	279492	2.21%	0.028%
99	5.637	5.627	5.647	HH	9940	107942	0.85%	0.011%
100	5.654	5.647	5.713	HH	9230	257681	2.03%	0.025%
101	5.740	5.713	5.752	HH	5805	129357	1.02%	0.013%
102	5.761	5.752	5.772	HH	5614	66384	0.52%	0.007%
103	5.794	5.772	5.804	HH	9587	141631	1.12%	0.014%
104	5.814	5.804	5.860	HH	9643	254015	2.00%	0.025%
105	5.905	5.860	5.940	HH	15728	441443	3.48%	0.043%
106	5.954	5.940	5.972	HH	10771	162732	1.28%	0.016%
107	5.996	5.972	6.044	HH	13648	384272	3.03%	0.038%
108	6.064	6.044	6.089	HH	8588	201579	1.59%	0.020%
109	6.107	6.089	6.144	HH	8879	252956	2.00%	0.025%
110	6.174	6.144	6.224	HH	140504	1962733	15.49%	0.193%
111	6.241	6.224	6.279	HH	14217	391358	3.09%	0.039%
112	6.298	6.279	6.327	HH	16512	353181	2.79%	0.035%
113	6.340	6.327	6.369	HH	10077	231920	1.83%	0.023%
114	6.385	6.369	6.409	HH	11104	228992	1.81%	0.023%
115	6.427	6.409	6.449	HH	10375	224747	1.77%	0.022%
116	6.467	6.449	6.491	HH	9088	209160	1.65%	0.021%
117	6.501	6.491	6.508	HH	8335	87389	0.69%	0.009%
118	6.522	6.508	6.529	HH	9274	108641	0.86%	0.011%
119	6.543	6.529	6.562	HH	11339	194130	1.53%	0.019%
120	6.586	6.562	6.605	HH	18136	306904	2.42%	0.030%
121	6.616	6.605	6.640	HH	10174	194676	1.54%	0.019%
122	6.645	6.640	6.662	HH	8229	104568	0.83%	0.010%
123	6.685	6.662	6.694	HH	8541	154680	1.22%	0.015%
124	6.706	6.694	6.711	HH	8733	87245	0.69%	0.009%
125	6.732	6.711	6.758	HH	13417	290770	2.29%	0.029%
126	6.772	6.758	6.784	HH	9170	135807	1.07%	0.013%
127	6.797	6.784	6.829	HH	9812	244759	1.93%	0.024%
128	6.860	6.829	6.867	HH	9506	199383	1.57%	0.020%
129	6.884	6.867	6.901	HH	13838	238649	1.88%	0.023%
130	6.910	6.901	6.927	HH	11285	159807	1.26%	0.016%
131	6.943	6.927	6.960	HH	9977	182013	1.44%	0.018%
132	6.977	6.960	6.985	HH	8839	131133	1.03%	0.013%
133	7.003	6.985	7.052	HH	17258	452458	3.57%	0.045%
134	7.087	7.052	7.111	HH	10341	343131	2.71%	0.034%
135	7.114	7.111	7.132	HH	10188	119561	0.94%	0.012%
136	7.148	7.132	7.154	HH	10592	133898	1.06%	0.013%
137	7.160	7.154	7.176	HH	10656	130752	1.03%	0.013%
138	7.185	7.176	7.212	HH	10328	209832	1.66%	0.021%
139	7.239	7.212	7.276	HH	31341	694955	5.48%	0.068%
140	7.286	7.276	7.334	HH	14074	417053	3.29%	0.041%
141	7.341	7.334	7.356	HH	10004	123349	0.97%	0.012%

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142	7.373	7.356	7.450	HH	20568	710277	5.60%	0.070%
143	7.464	7.450	7.488	HH	9782	215062	1.70%	0.021%
144	7.510	7.488	7.550	HH	19014	465464	3.67%	0.046%
145	7.564	7.550	7.586	HH	10461	215374	1.70%	0.021%
146	7.607	7.586	7.658	HH	9715	393723	3.11%	0.039%
147	7.697	7.658	7.711	HH	11195	312502	2.47%	0.031%
148	7.721	7.711	7.739	HH	10286	163325	1.29%	0.016%
149	7.809	7.780	7.829	HH	9598	264060	2.08%	0.026%
150	7.851	7.829	7.867	HH	10146	219423	1.73%	0.022%
151	7.880	7.867	7.884	HH	9204	90686	0.72%	0.009%
152	7.917	7.916	7.930	HH	9770	80669	0.64%	0.008%
153	8.031	8.016	8.059	HH	10271	250589	1.98%	0.025%
154	8.078	8.059	8.105	HH	10269	262381	2.07%	0.026%
155	8.130	8.105	8.146	HH	13646	274060	2.16%	0.027%
156	8.199	8.178	8.215	HH	12005	233679	1.84%	0.023%
157	8.244	8.215	8.276	HH	11324	397233	3.13%	0.039%
158	8.292	8.276	8.318	HH	11396	268685	2.12%	0.026%
159	8.338	8.318	8.357	HH	13571	274725	2.17%	0.027%
160	8.379	8.357	8.407	HH	19519	423774	3.34%	0.042%
161	8.427	8.407	8.442	HH	11646	229970	1.81%	0.023%
162	8.526	8.510	8.594	HH	22432	797144	6.29%	0.078%
163	8.614	8.594	8.643	HH	12565	339778	2.68%	0.033%
164	8.655	8.643	8.667	HH	11018	156852	1.24%	0.015%
165	8.682	8.667	8.701	HH	11144	221602	1.75%	0.022%
166	8.739	8.701	8.755	HH	11494	340310	2.69%	0.033%
167	8.789	8.755	8.796	HH	11691	274771	2.17%	0.027%
168	8.814	8.796	8.836	HH	19173	369446	2.92%	0.036%
169	8.843	8.836	8.859	HH	13974	188012	1.48%	0.019%
170	8.871	8.859	8.896	HH	13053	278881	2.20%	0.027%
171	8.914	8.896	8.936	HH	17340	328791	2.59%	0.032%
172	8.950	8.936	8.954	HH	11492	126725	1.00%	0.012%
173	8.968	8.954	8.983	HH	11952	203443	1.61%	0.020%
174	8.994	8.983	9.014	HH	11731	207806	1.64%	0.020%
175	9.059	9.014	9.093	HH	12708	558776	4.41%	0.055%
176	9.132	9.093	9.167	HH	14395	581777	4.59%	0.057%
177	9.173	9.167	9.178	HH	12417	81070	0.64%	0.008%
178	9.201	9.178	9.249	HH	25802	661521	5.22%	0.065%
179	9.283	9.249	9.321	HH	13170	532482	4.20%	0.052%
180	9.344	9.321	9.349	HH	11966	201125	1.59%	0.020%
181	9.381	9.349	9.409	HH	14197	463603	3.66%	0.046%
182	9.436	9.409	9.455	HH	13393	356856	2.82%	0.035%
183	9.481	9.455	9.489	HH	14334	277079	2.19%	0.027%
184	9.577	9.544	9.596	HH	15741	432899	3.42%	0.043%
185	9.616	9.596	9.645	HH	19319	490570	3.87%	0.048%
186	9.705	9.690	9.722	HH	15607	287447	2.27%	0.028%
187	9.734	9.722	9.745	HH	14505	197319	1.56%	0.019%
188	9.761	9.745	9.798	HH	16439	472763	3.73%	0.047%
189	9.818	9.798	9.859	HH	16494	534919	4.22%	0.053%
190	9.890	9.859	9.917	HH	22267	613499	4.84%	0.060%
191	9.932	9.917	9.961	HH	18549	447463	3.53%	0.044%
192	10.042	10.025	10.059	HH	16411	323953	2.56%	0.032%
193	10.064	10.059	10.089	HH	15420	269088	2.12%	0.026%
194	10.107	10.089	10.140	HH	15528	463401	3.66%	0.046%

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195	10.159	10.140	10.177	HH	15535	336069	2.65%	0.033%
196	10.193	10.177	10.231	HH	15397	483495	3.82%	0.048%
197	10.263	10.231	10.279	HH	15740	437731	3.45%	0.043%
198	10.324	10.279	10.337	HH	17589	565162	4.46%	0.056%
199	10.368	10.337	10.402	HH	22251	710630	5.61%	0.070%
200	10.416	10.402	10.432	HH	17206	300645	2.37%	0.030%
201	10.456	10.432	10.486	HH	18752	553789	4.37%	0.055%
202	10.518	10.486	10.559	HH	20818	800995	6.32%	0.079%
203	10.604	10.598	10.623	HH	20079	289117	2.28%	0.028%
204	10.643	10.623	10.661	HH	26981	515692	4.07%	0.051%
205	10.672	10.661	10.684	HH	22411	306634	2.42%	0.030%
206	10.717	10.684	10.759	HH	38285	1101363	8.69%	0.108%
207	10.836	10.818	10.883	HH	25138	863488	6.81%	0.085%
208	10.904	10.883	10.926	HH	24660	551225	4.35%	0.054%
209	10.937	10.926	10.943	HH	20620	210017	1.66%	0.021%
210	10.958	10.943	10.996	HH	22611	655866	5.18%	0.065%
211	11.016	10.996	11.078	HH	56324	1484861	11.72%	0.146%
212	11.102	11.078	11.161	HH	33380	1238970	9.78%	0.122%
213	11.170	11.161	11.186	HH	21503	308904	2.44%	0.030%
214	11.200	11.186	11.212	HH	20407	317779	2.51%	0.031%
215	11.223	11.212	11.241	HH	20915	358224	2.83%	0.035%
216	11.253	11.241	11.267	HH	19718	303993	2.40%	0.030%
217	11.286	11.267	11.299	HH	19814	375104	2.96%	0.037%
218	11.420	11.387	11.457	HH	32466	1006070	7.94%	0.099%
219	11.476	11.472	11.480	HH	20538	92080	0.73%	0.009%
220	11.510	11.480	11.528	HH	25979	663573	5.24%	0.065%
221	11.538	11.528	11.565	HH	22824	497541	3.93%	0.049%
222	11.572	11.565	11.577	HH	21550	150668	1.19%	0.015%
223	11.588	11.577	11.597	HH	21862	262376	2.07%	0.026%
224	11.682	11.674	11.697	HH	22944	316644	2.50%	0.031%
225	11.773	11.761	11.792	HH	22292	414016	3.27%	0.041%
226	11.936	11.914	11.956	HH	36133	753225	5.94%	0.074%
227	11.971	11.956	11.988	HH	30058	534341	4.22%	0.053%
228	12.066	12.040	12.072	HH	26334	475168	3.75%	0.047%
229	12.155	12.133	12.166	HH	25736	493706	3.90%	0.049%
230	12.192	12.166	12.207	HH	26678	632643	4.99%	0.062%
231	12.224	12.207	12.233	HH	27134	418247	3.30%	0.041%
232	12.249	12.233	12.274	HH	27925	653523	5.16%	0.064%
233	12.290	12.274	12.308	HH	29813	590311	4.66%	0.058%
234	12.316	12.308	12.340	HH	27843	512667	4.05%	0.050%
235	12.361	12.340	12.389	HH	29273	815692	6.44%	0.080%
236	12.399	12.389	12.412	HH	27218	375567	2.96%	0.037%
237	12.427	12.412	12.447	HH	28399	565660	4.46%	0.056%
238	12.500	12.447	12.532	HH	29997	1434599	11.32%	0.141%
239	12.559	12.532	12.575	HH	29740	730720	5.77%	0.072%
240	12.578	12.575	12.584	HH	28675	158867	1.25%	0.016%
241	12.610	12.584	12.624	HH	32773	731702	5.77%	0.072%
242	12.641	12.624	12.660	HH	30621	639251	5.04%	0.063%
243	12.721	12.660	12.752	HH	44757	1937720	15.29%	0.191%
244	12.760	12.752	12.771	HH	34755	391265	3.09%	0.039%
245	12.784	12.771	12.814	HH	35344	839313	6.62%	0.083%
246	12.839	12.814	12.914	HH	145933	3298355	26.03%	0.325%

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247	12.940	12.914	12.946	HH	33678	632007	4.99%	0.062%
248	12.952	12.946	12.969	HH	33761	454791	3.59%	0.045%
249	12.989	12.969	13.012	HH	39426	934643	7.37%	0.092%
250	13.042	13.012	13.078	HH	38932	1433954	11.31%	0.141%
251	13.094	13.078	13.111	HH	36427	696860	5.50%	0.069%
252	13.140	13.111	13.181	HH	145593	2846159	22.46%	0.280%
253	13.197	13.181	13.214	HH	45115	818860	6.46%	0.081%
254	13.231	13.214	13.281	HH	48151	1689624	13.33%	0.166%
255	13.289	13.281	13.305	HH	39563	581964	4.59%	0.057%
256	13.340	13.305	13.374	HH	44173	1681345	13.27%	0.165%
257	13.401	13.374	13.406	HH	46102	836869	6.60%	0.082%
258	13.423	13.406	13.447	HH	51196	1140429	9.00%	0.112%
259	13.470	13.447	13.490	HH	45483	1104614	8.72%	0.109%
260	13.496	13.490	13.504	HH	41891	359801	2.84%	0.035%
261	13.522	13.504	13.538	HH	44308	885092	6.98%	0.087%
262	13.564	13.538	13.586	HH	48026	1296991	10.23%	0.128%
263	13.606	13.586	13.645	HH	50988	1678925	13.25%	0.165%
264	13.655	13.645	13.681	HH	45317	961327	7.59%	0.095%
265	13.716	13.681	13.721	HH	51995	1110550	8.76%	0.109%
266	13.742	13.721	13.775	HH	61462	1775322	14.01%	0.175%
267	13.792	13.775	13.819	HH	51256	1304589	10.29%	0.128%
268	13.846	13.819	13.869	HH	58397	1556574	12.28%	0.153%
269	13.889	13.869	13.913	HH	66892	1574692	12.43%	0.155%
270	13.928	13.913	13.941	HH	64179	1027426	8.11%	0.101%
271	13.949	13.941	13.965	HH	58098	802454	6.33%	0.079%
272	13.986	13.965	14.000	HH	59218	1229745	9.70%	0.121%
273	14.016	14.000	14.040	HH	64557	1400037	11.05%	0.138%
274	14.105	14.097	14.121	HH	55990	789528	6.23%	0.078%
275	14.168	14.121	14.187	HH	58985	2259916	17.83%	0.222%
276	14.205	14.187	14.230	HH	58749	1486771	11.73%	0.146%
277	14.259	14.230	14.282	HH	61047	1864004	14.71%	0.183%
278	14.301	14.282	14.311	HH	60984	1032336	8.15%	0.102%
279	14.316	14.311	14.322	HH	60646	410207	3.24%	0.040%
280	14.336	14.322	14.352	HH	62762	1090758	8.61%	0.107%
281	14.366	14.352	14.389	HH	64662	1426398	11.26%	0.140%
282	14.407	14.389	14.415	HH	65797	1009552	7.97%	0.099%
283	14.455	14.415	14.484	HH	82494	2950980	23.28%	0.290%
284	14.493	14.484	14.504	HH	71220	850595	6.71%	0.084%
285	14.519	14.504	14.552	HH	80091	2143492	16.91%	0.211%
286	14.574	14.552	14.599	HH	80566	2130583	16.81%	0.210%
287	14.604	14.599	14.608	HH	72404	380412	3.00%	0.037%
288	14.632	14.608	14.647	HH	72538	1674044	13.21%	0.165%
289	14.664	14.647	14.674	HH	81393	1266188	9.99%	0.125%
290	14.681	14.674	14.693	HH	78087	897013	7.08%	0.088%
291	14.705	14.693	14.714	HH	83829	1016314	8.02%	0.100%
292	14.729	14.714	14.746	HH	87623	1588789	12.54%	0.156%
293	14.761	14.746	14.772	HH	82529	1219671	9.62%	0.120%
294	14.783	14.772	14.802	HH	82229	1469484	11.59%	0.145%
295	14.833	14.802	14.864	HH	327721	5662115	44.68%	0.557%
296	14.879	14.864	14.884	HH	83867	1004133	7.92%	0.099%
297	14.887	14.884	14.901	HH	83328	820866	6.48%	0.081%
298	14.917	14.901	14.952	HH	87091	2585000	20.40%	0.254%
299	14.974	14.952	14.984	HH	83625	1572236	12.41%	0.155%

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300	15.006	14.984	15.016	HH	95919	1757456	13.87%	0.173%
301	15.035	15.016	15.057	HH	155954	2919603	23.04%	0.287%
302	15.079	15.057	15.123	HH	163226	4528480	35.73%	0.446%
303	15.130	15.123	15.134	HH	90319	564879	4.46%	0.056%
304	15.143	15.134	15.152	HH	91852	1007484	7.95%	0.099%
305	15.169	15.152	15.182	HH	100584	1693250	13.36%	0.167%
306	15.201	15.182	15.218	HH	100111	2137718	16.87%	0.210%
307	15.229	15.218	15.235	HH	97049	991989	7.83%	0.098%
308	15.255	15.235	15.282	HH	100467	2714295	21.42%	0.267%
309	15.305	15.282	15.311	HH	95511	1634243	12.90%	0.161%
310	15.353	15.311	15.369	HH	104251	3492971	27.56%	0.344%
311	15.374	15.369	15.384	HH	104516	941607	7.43%	0.093%
312	15.393	15.384	15.416	HH	106117	2004542	15.82%	0.197%
313	15.423	15.416	15.434	HH	102342	1069353	8.44%	0.105%
314	15.439	15.434	15.445	HH	102491	683645	5.39%	0.067%
315	15.491	15.445	15.538	HH	128239	6681678	52.72%	0.658%
316	15.551	15.538	15.568	HH	123475	2179037	17.19%	0.214%
317	15.578	15.568	15.598	HH	120148	2134035	16.84%	0.210%
318	15.640	15.598	15.684	HH	138668	6105718	48.18%	0.601%
319	15.716	15.684	15.743	HH	142699	4438478	35.02%	0.437%
320	15.760	15.743	15.787	HH	122557	3148657	24.84%	0.310%
321	15.795	15.787	15.801	HH	120335	981671	7.75%	0.097%
322	15.823	15.801	15.828	HH	124616	2034335	16.05%	0.200%
323	15.837	15.828	15.843	HH	124104	1071166	8.45%	0.105%
324	15.862	15.843	15.871	HH	129228	2160922	17.05%	0.213%
325	15.892	15.871	15.912	HH	129975	3142874	24.80%	0.309%
326	15.918	15.912	15.925	HH	128191	932823	7.36%	0.092%
327	15.949	15.925	15.965	HH	129151	3094814	24.42%	0.305%
328	15.987	15.965	16.012	HH	130566	3621953	28.58%	0.356%
329	16.030	16.012	16.037	HH	134321	1975713	15.59%	0.194%
330	16.058	16.037	16.079	HH	141922	3489284	27.53%	0.343%
331	16.088	16.079	16.099	HH	136811	1650206	13.02%	0.162%
332	16.114	16.099	16.124	HH	141437	2041174	16.11%	0.201%
333	16.145	16.137	16.151	HH	142184	1142689	9.02%	0.112%
334	16.160	16.151	16.166	HH	143231	1250112	9.86%	0.123%
335	16.174	16.166	16.200	HH	143300	2867917	22.63%	0.282%
336	16.213	16.200	16.237	HH	143804	3152084	24.87%	0.310%
337	16.274	16.237	16.299	HH	150169	5434561	42.88%	0.535%
338	16.377	16.369	16.389	HH	155387	1872793	14.78%	0.184%
339	16.419	16.389	16.451	HH	162648	5810612	45.85%	0.572%
340	16.462	16.451	16.473	HH	157150	2092341	16.51%	0.206%
341	16.479	16.473	16.484	HH	157343	959481	7.57%	0.094%
342	16.491	16.484	16.495	HH	158528	1078625	8.51%	0.106%
343	16.515	16.495	16.531	HH	168883	3557253	28.07%	0.350%
344	16.542	16.531	16.549	HH	170046	1805378	14.25%	0.178%
345	16.555	16.549	16.559	HH	169167	1016221	8.02%	0.100%
346	16.564	16.559	16.582	HH	168427	2343569	18.49%	0.231%
347	16.622	16.582	16.641	HH	240771	6902113	54.46%	0.679%
348	16.649	16.641	16.677	HH	205641	4159897	32.82%	0.409%
349	16.694	16.677	16.701	HH	188534	2698537	21.29%	0.266%
350	16.715	16.701	16.720	HH	187875	2126846	16.78%	0.209%
351	16.727	16.720	16.734	HH	187016	1488008	11.74%	0.146%

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352	16.737	16.734	16.743	HH	186194	997657	7.87%	0.098%
353	16.764	16.743	16.772	HH	198940	3333862	26.31%	0.328%
354	16.780	16.772	16.805	HH	196963	3771438	29.76%	0.371%
355	16.872	16.851	16.877	HH	193347	2928596	23.11%	0.288%
356	16.883	16.877	16.897	HH	193891	2295713	18.11%	0.226%
357	16.905	16.897	16.917	HH	195292	2374566	18.74%	0.234%
358	16.924	16.917	16.932	HH	193058	1666440	13.15%	0.164%
359	16.952	16.932	16.990	HH	224721	7112425	56.12%	0.700%
360	17.016	16.990	17.033	HH	258003	5892986	46.50%	0.580%
361	17.055	17.033	17.076	HH	236820	5720006	45.13%	0.563%
362	17.088	17.076	17.104	HH	219182	3630546	28.65%	0.357%
363	17.123	17.104	17.142	HH	220657	4852417	38.29%	0.478%
364	17.151	17.142	17.158	HH	208457	1929421	15.22%	0.190%
365	17.162	17.158	17.176	HH	206900	2159329	17.04%	0.213%
366	17.205	17.176	17.213	HH	217827	4719341	37.24%	0.465%
367	17.223	17.213	17.229	HH	216431	1980602	15.63%	0.195%
368	17.236	17.229	17.242	HH	217326	1780411	14.05%	0.175%
369	17.256	17.242	17.270	HH	218619	3579964	28.25%	0.352%
370	17.279	17.270	17.306	HH	224103	4641465	36.62%	0.457%
371	17.321	17.306	17.336	HH	222658	3921591	30.94%	0.386%
372	17.352	17.336	17.379	HH	232450	5870005	46.32%	0.578%
373	17.401	17.392	17.406	HH	229141	1902285	15.01%	0.187%
374	17.419	17.406	17.440	HH	235515	4564526	36.02%	0.449%
375	17.459	17.440	17.491	HH	253713	7138867	56.33%	0.703%
376	17.517	17.491	17.531	HH	241606	5605015	44.23%	0.552%
377	17.602	17.572	17.626	HH	254648	7629343	60.20%	0.751%
378	17.651	17.626	17.656	HH	238814	4159002	32.82%	0.409%
379	17.670	17.656	17.684	HH	241907	4007745	31.62%	0.394%
380	17.692	17.684	17.704	HH	242265	2904393	22.92%	0.286%
381	17.709	17.704	17.713	HH	234636	1265459	9.99%	0.125%
382	17.716	17.713	17.722	HH	232844	1298230	10.24%	0.128%
383	17.725	17.722	17.733	HH	232243	1539993	12.15%	0.152%
384	17.749	17.733	17.767	HH	239727	4751880	37.49%	0.468%
385	17.777	17.767	17.782	HH	234861	2086336	16.46%	0.205%
386	17.824	17.782	17.851	HH	254540	9912544	78.22%	0.976%
387	17.899	17.851	17.933	HH	273436	12549689	99.02%	1.235%
388	17.937	17.933	17.958	HH	250932	3736522	29.48%	0.368%
389	17.977	17.958	17.989	HH	262584	4723485	37.27%	0.465%
390	17.994	17.989	18.015	HH	255759	3869884	30.54%	0.381%
391	18.075	18.015	18.096	HH	294498	12673453	100.00%	1.247%
392	18.105	18.096	18.141	HH	267621	7102631	56.04%	0.699%
393	18.166	18.141	18.184	HH	254295	6378294	50.33%	0.628%
394	18.207	18.184	18.222	HH	253728	5656138	44.63%	0.557%
395	18.249	18.222	18.259	HH	268915	5776381	45.58%	0.569%
396	18.280	18.259	18.296	HH	271104	5801014	45.77%	0.571%
397	18.323	18.296	18.367	HH	278242	11073542	87.38%	1.090%
398	18.390	18.367	18.396	HH	262441	4477437	35.33%	0.441%
399	18.410	18.396	18.415	HH	273092	3037915	23.97%	0.299%
400	18.443	18.415	18.489	HH	306823	12446947	98.21%	1.225%
401	18.498	18.489	18.519	HH	262874	4574890	36.10%	0.450%
402	18.527	18.519	18.544	HH	262645	3852493	30.40%	0.379%
403	18.556	18.544	18.565	HH	260359	3369854	26.59%	0.332%
404	18.581	18.565	18.589	HH	263855	3687591	29.10%	0.363%

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405	18.593	18.589	18.606	HH	262967	2694091	21.26%	0.265%
406	18.613	18.606	18.621	HH	257748	2173824	17.15%	0.214%
407	18.628	18.621	18.636	HH	258238	2320655	18.31%	0.228%
408	18.640	18.636	18.649	HH	258378	2038448	16.08%	0.201%
409	18.686	18.649	18.691	HH	263795	6415328	50.62%	0.631%
410	18.696	18.691	18.701	HH	264035	1604140	12.66%	0.158%
411	18.727	18.701	18.758	HH	285401	9284597	73.26%	0.914%
412	18.762	18.758	18.781	HH	266355	3610009	28.48%	0.355%
413	18.790	18.781	18.802	HH	258998	3281450	25.89%	0.323%
414	18.809	18.802	18.816	HH	261213	2074822	16.37%	0.204%
415	18.838	18.816	18.849	HH	272008	5349546	42.21%	0.527%
416	18.865	18.849	18.889	HH	287022	6544536	51.64%	0.644%
417	18.915	18.889	18.949	HH	286203	9688149	76.44%	0.954%
418	18.954	18.949	18.964	HH	263698	2386236	18.83%	0.235%
419	18.968	18.964	18.985	HH	257784	3189505	25.17%	0.314%
420	19.001	18.985	19.007	HH	263688	3376608	26.64%	0.332%
421	19.012	19.007	19.017	HH	264480	1669907	13.18%	0.164%
422	19.032	19.017	19.072	HH	265007	8546757	67.44%	0.841%
423	19.076	19.072	19.080	HH	256811	1253104	9.89%	0.123%
424	19.098	19.080	19.104	HH	262627	3717244	29.33%	0.366%
425	19.109	19.104	19.113	HH	261537	1379399	10.88%	0.136%
426	19.133	19.113	19.154	HH	272627	6430428	50.74%	0.633%
427	19.158	19.154	19.165	HH	263851	1828288	14.43%	0.180%
428	19.195	19.165	19.215	HH	278363	8019000	63.27%	0.789%
429	19.231	19.215	19.246	HH	267606	4788076	37.78%	0.471%
430	19.264	19.246	19.279	HH	272690	5342001	42.15%	0.526%
431	19.284	19.279	19.291	HH	262426	1883732	14.86%	0.185%
432	19.310	19.291	19.338	HH	265168	7437138	58.68%	0.732%
433	19.357	19.352	19.371	HH	263195	3013163	23.78%	0.297%
434	19.376	19.371	19.379	HH	259151	1254312	9.90%	0.123%
435	19.447	19.421	19.459	HH	261145	5879120	46.39%	0.579%
436	19.598	19.594	19.604	HH	258077	1534723	12.11%	0.151%
437	19.686	19.684	19.691	HH	257678	1082631	8.54%	0.107%
438	19.699	19.691	19.705	HH	260713	2168683	17.11%	0.213%
439	19.735	19.722	19.753	HH	260020	4835659	38.16%	0.476%
440	19.776	19.766	19.791	HH	258346	3720579	29.36%	0.366%
441	19.822	19.816	19.829	HH	253797	1937314	15.29%	0.191%
442	19.845	19.829	19.852	HH	255515	3558113	28.08%	0.350%
443	19.905	19.896	19.919	HH	268731	3587914	28.31%	0.353%
444	19.924	19.919	19.943	HH	264253	3748685	29.58%	0.369%
445	20.004	19.995	20.012	HH	256836	2630438	20.76%	0.259%
446	20.017	20.012	20.032	HH	256488	3089923	24.38%	0.304%
447	20.079	20.056	20.092	HH	264425	5575058	43.99%	0.549%
448	20.122	20.092	20.137	HH	259120	6886481	54.34%	0.678%
449	20.156	20.150	20.170	HH	259354	3131995	24.71%	0.308%
450	20.194	20.170	20.212	HH	261341	6445753	50.86%	0.634%
451	20.218	20.212	20.226	HH	257063	2075273	16.37%	0.204%
452	20.231	20.226	20.237	HH	256967	1815132	14.32%	0.179%
453	20.252	20.237	20.281	HH	262030	6745358	53.22%	0.664%
454	20.286	20.281	20.299	HH	256703	2705521	21.35%	0.266%
455	20.304	20.299	20.311	HH	253853	1807198	14.26%	0.178%
456	20.329	20.311	20.336	HH	257977	3941216	31.10%	0.388%

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457	20.386	20.380	20.398	HH	252708	2767847	21.84%	0.272%
458	20.404	20.398	20.412	HH	253012	2038935	16.09%	0.201%
459	20.431	20.412	20.451	HH	262014	5921269	46.72%	0.583%
460	20.455	20.451	20.467	HH	250281	2494600	19.68%	0.246%
461	20.484	20.467	20.518	HH	255797	7525251	59.38%	0.741%
462	20.523	20.518	20.526	HH	242462	1183504	9.34%	0.116%
463	20.529	20.526	20.533	HH	242937	986393	7.78%	0.097%
464	20.540	20.533	20.551	HH	244102	2664357	21.02%	0.262%
465	20.555	20.551	20.560	HH	240802	1278110	10.08%	0.126%
466	20.568	20.560	20.578	HH	242231	2571193	20.29%	0.253%
467	20.582	20.578	20.593	HH	239591	2180540	17.21%	0.215%
468	20.610	20.593	20.637	HH	241080	6248591	49.30%	0.615%
469	20.642	20.637	20.650	HH	230310	1690091	13.34%	0.166%
470	20.661	20.650	20.679	HH	232938	3990472	31.49%	0.393%
471	20.749	20.749	20.749	M	-8931	0	0.00%	0.000%
472	20.837	20.831	20.843	HH	217634	1627513	12.84%	0.160%
473	20.851	20.843	20.916	HH	218871	9329433	73.61%	0.918%
474	20.923	20.916	20.956	HH	212643	5034552	39.73%	0.496%
475	20.968	20.956	20.975	HH	209281	2381245	18.79%	0.234%
476	20.984	20.975	20.993	HH	209292	2274968	17.95%	0.224%
477	21.018	20.993	21.029	HH	209800	4449736	35.11%	0.438%
478	21.034	21.029	21.051	HH	204899	2740490	21.62%	0.270%
479	21.058	21.051	21.066	HH	202049	1754709	13.85%	0.173%
480	21.070	21.066	21.076	HH	201406	1224241	9.66%	0.120%
481	21.111	21.103	21.145	HH	199300	4905388	38.71%	0.483%
482	21.160	21.145	21.167	HH	196445	2556986	20.18%	0.252%
483	21.175	21.167	21.186	HH	195216	2226546	17.57%	0.219%
484	21.191	21.186	21.206	HH	194384	2289141	18.06%	0.225%
485	21.222	21.206	21.272	HH	193088	7552144	59.59%	0.743%
486	21.276	21.272	21.295	HH	189122	2588545	20.42%	0.255%
487	21.302	21.295	21.309	HH	185990	1506192	11.88%	0.148%
488	21.355	21.351	21.373	HH	182127	2322051	18.32%	0.229%
489	21.380	21.373	21.391	HH	180419	1999656	15.78%	0.197%
490	21.396	21.391	21.409	HH	178201	1869072	14.75%	0.184%
491	21.422	21.409	21.429	HH	179052	2129630	16.80%	0.210%
492	21.535	21.521	21.556	HH	172866	3596221	28.38%	0.354%
493	21.564	21.556	21.594	HH	171500	3874335	30.57%	0.381%
494	21.601	21.594	21.629	HH	168803	3549017	28.00%	0.349%
495	21.633	21.629	21.670	HH	168208	4048796	31.95%	0.399%
496	21.683	21.670	21.690	HH	165501	1959160	15.46%	0.193%
497	21.743	21.737	21.770	HH	162871	3225732	25.45%	0.318%
498	21.775	21.770	21.793	HH	159972	2250858	17.76%	0.222%
499	21.800	21.793	21.813	HH	159784	1857635	14.66%	0.183%
500	21.816	21.813	21.824	HH	157621	1085091	8.56%	0.107%
501	21.839	21.824	21.847	HH	157816	2163753	17.07%	0.213%
502	21.852	21.847	21.864	HH	156911	1542633	12.17%	0.152%
503	21.874	21.864	21.880	HH	155424	1517790	11.98%	0.149%
504	21.886	21.880	21.892	HH	155493	1034925	8.17%	0.102%
505	21.902	21.892	21.915	HH	155726	2169567	17.12%	0.214%
506	21.957	21.934	21.967	HH	155554	3030601	23.91%	0.298%
507	21.972	21.967	21.981	HH	154242	1242115	9.80%	0.122%
508	21.987	21.981	21.999	HH	150517	1697113	13.39%	0.167%
509	22.009	21.999	22.017	HH	150291	1589016	12.54%	0.156%

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510	22.022	22.017	22.034	HH	149564	1470026	11.60%	0.145%
511	22.077	22.072	22.098	HH	146534	2260701	17.84%	0.223%
512	22.103	22.098	22.109	HH	145827	988180	7.80%	0.097%
513	22.113	22.109	22.128	HH	145810	1599204	12.62%	0.157%
514	22.135	22.128	22.145	HH	145524	1494844	11.80%	0.147%
515	22.152	22.145	22.166	HH	144866	1807693	14.26%	0.178%
516	22.244	22.238	22.269	HH	140910	2583985	20.39%	0.254%
517	22.288	22.282	22.291	HH	139131	746986	5.89%	0.074%
518	22.307	22.300	22.319	HH	139693	1609398	12.70%	0.158%
519	22.324	22.319	22.339	HH	139469	1666031	13.15%	0.164%
520	22.348	22.339	22.359	HH	138739	1683418	13.28%	0.166%
521	22.366	22.359	22.376	HH	136755	1345392	10.62%	0.132%
522	22.383	22.376	22.395	HH	136347	1589006	12.54%	0.156%
523	22.409	22.406	22.413	HH	135481	578227	4.56%	0.057%
524	22.436	22.431	22.441	HH	134656	798239	6.30%	0.079%
525	22.457	22.441	22.472	HH	135157	2496144	19.70%	0.246%
526	22.513	22.493	22.518	HH	134092	1947303	15.37%	0.192%
527	22.553	22.549	22.568	HH	131917	1505113	11.88%	0.148%
528	22.574	22.568	22.583	HH	131760	1126107	8.89%	0.111%
529	22.611	22.606	22.615	HH	129905	710508	5.61%	0.070%
530	22.619	22.615	22.634	HH	129958	1469386	11.59%	0.145%
531	22.647	22.634	22.660	HH	129551	2007590	15.84%	0.198%
532	22.725	22.717	22.741	HH	126714	1813015	14.31%	0.178%
533	22.760	22.741	22.798	HH	126196	4253841	33.56%	0.419%
534	22.815	22.807	22.819	HH	123716	856867	6.76%	0.084%
535	22.822	22.819	22.837	HH	123997	1341926	10.59%	0.132%
536	22.847	22.837	22.853	HH	123628	1176443	9.28%	0.116%
537	22.914	22.909	22.926	HH	121043	1204700	9.51%	0.119%
538	22.933	22.926	22.942	HH	121453	1205625	9.51%	0.119%
539	22.956	22.942	22.969	HH	120484	1950260	15.39%	0.192%
540	22.984	22.969	23.010	HH	120639	2931359	23.13%	0.289%
541	23.018	23.010	23.026	HH	119376	1105613	8.72%	0.109%
542	23.035	23.026	23.047	HH	119065	1540102	12.15%	0.152%
543	23.051	23.047	23.076	HH	118820	2012675	15.88%	0.198%
544	23.083	23.076	23.089	HH	117696	945819	7.46%	0.093%
545	23.155	23.149	23.182	HH	116842	2280225	17.99%	0.224%
546	23.220	23.212	23.238	HH	116116	1853681	14.63%	0.182%
547	23.279	23.274	23.287	HH	113655	891352	7.03%	0.088%
548	23.295	23.287	23.303	HH	113665	1128944	8.91%	0.111%
549	23.309	23.303	23.329	HH	113492	1728329	13.64%	0.170%
550	23.381	23.368	23.385	HH	111832	1162113	9.17%	0.114%
551	23.390	23.385	23.400	HH	111909	997011	7.87%	0.098%
552	23.406	23.400	23.422	HH	111920	1462917	11.54%	0.144%
553	23.496	23.480	23.516	HH	111014	2387814	18.84%	0.235%
554	23.529	23.516	23.536	HH	110117	1316264	10.39%	0.130%
555	23.545	23.536	23.574	HH	109890	2446232	19.30%	0.241%
556	23.580	23.574	23.588	HH	108643	925733	7.30%	0.091%
557	23.621	23.611	23.626	HH	107961	919035	7.25%	0.090%
558	23.742	23.737	23.748	HH	106145	711234	5.61%	0.070%
559	23.757	23.748	23.806	HH	106355	3646413	28.77%	0.359%
560	23.812	23.806	23.822	HH	104563	993157	7.84%	0.098%
561	23.840	23.822	23.861	HH	104628	2447457	19.31%	0.241%

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562	23.867	23.861	23.878	HH	105044	1105293	8.72%	0.109%
563	23.910	23.900	23.916	HH	104428	1016928	8.02%	0.100%
564	23.958	23.936	23.997	HH	105011	3767834	29.73%	0.371%
565	24.069	24.045	24.090	HH	102448	2785212	21.98%	0.274%
566	24.096	24.090	24.106	HH	101893	930298	7.34%	0.092%
567	24.150	24.141	24.156	HH	101868	888686	7.01%	0.087%
568	24.167	24.156	24.187	HH	102379	1869599	14.75%	0.184%
569	24.197	24.187	24.203	HH	101179	1017391	8.03%	0.100%
570	24.210	24.203	24.228	HH	101555	1497982	11.82%	0.147%
571	24.241	24.228	24.255	HH	101311	1603281	12.65%	0.158%
572	24.268	24.255	24.278	HH	100450	1374821	10.85%	0.135%
573	24.291	24.278	24.315	HH	99958	2213323	17.46%	0.218%
574	24.323	24.315	24.331	HH	99371	941959	7.43%	0.093%
575	24.345	24.331	24.361	HH	99574	1808172	14.27%	0.178%
576	24.380	24.361	24.416	HH	99409	3228387	25.47%	0.318%
577	24.468	24.462	24.472	HH	97533	553639	4.37%	0.054%
578	24.478	24.472	24.489	HH	97803	1005232	7.93%	0.099%
579	24.493	24.489	24.498	HH	97434	512761	4.05%	0.050%
580	24.507	24.498	24.514	HH	97318	939090	7.41%	0.092%
581	24.545	24.535	24.572	HH	97307	2125689	16.77%	0.209%
582	24.627	24.600	24.652	HH	96933	3041481	24.00%	0.299%
583	24.703	24.699	24.711	HH	95825	675438	5.33%	0.066%
584	24.722	24.711	24.732	HH	95554	1248408	9.85%	0.123%
585	24.737	24.732	24.741	HH	95245	486154	3.84%	0.048%
586	24.749	24.741	24.760	HH	95638	1059942	8.36%	0.104%
587	24.770	24.760	24.779	HH	95400	1139544	8.99%	0.112%
588	24.794	24.779	24.805	HH	95415	1450630	11.45%	0.143%
589	24.846	24.805	24.911	HH	99837	6202616	48.94%	0.611%
590	24.920	24.911	24.928	HH	94265	957705	7.56%	0.094%
591	24.934	24.928	24.949	HH	94024	1140681	9.00%	0.112%
592	24.956	24.949	24.962	HH	93349	763002	6.02%	0.075%
593	24.968	24.962	24.979	HH	93292	931538	7.35%	0.092%
594	24.989	24.979	25.002	HH	93666	1314111	10.37%	0.129%
595	25.008	25.002	25.024	HH	93509	1183840	9.34%	0.117%
596	25.029	25.024	25.051	HH	93308	1537018	12.13%	0.151%
597	25.062	25.051	25.080	HH	93111	1625972	12.83%	0.160%
598	25.099	25.080	25.105	HH	92876	1355050	10.69%	0.133%
599	25.111	25.105	25.119	HH	92754	766856	6.05%	0.075%
600	25.126	25.119	25.130	HH	92454	656942	5.18%	0.065%
601	25.146	25.130	25.157	HH	93088	1492153	11.77%	0.147%
602	25.170	25.157	25.186	HH	92678	1569456	12.38%	0.154%
603	25.196	25.186	25.201	HHA	92394	877615	6.92%	0.086%
					Sum of corrected areas: 1015976970			

C44-FE010418.M Wed Jan 17 17:15:06 2018 RPT-1