

rters

Instrument :

FID_F

ClientSampleId :

HB-2-(20-25)-12-17-21MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/22/2021

Supervised By :mohammad ahmed 12/22/2021

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF122121
Data File : FF009504.D
Signal(s) : FID2B.ch
Acq On : 21 Dec 2021 21:08
Sample : M5182-07MSD
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF121521.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.132	2.100	2.157	BH	36	-4393	-0.05%	-0.002%
2	2.162	2.157	2.166	PH	-213	-1462	-0.02%	-0.001%
3	2.192	2.166	2.239	PH	330317	2332566	26.19%	0.949%
4	2.244	2.239	2.250	PH	-18	-313	-0.00%	-0.000%
5	2.264	2.250	2.288	PH	139	-1711	-0.02%	-0.001%
6	2.291	2.288	2.303	PH	-222	-2088	-0.02%	-0.001%
7	2.320	2.303	2.328	PH	-61	-2980	-0.03%	-0.001%
8	2.342	2.328	2.373	PH	-41	-4874	-0.05%	-0.002%
9	2.380	2.373	2.400	PH	249	505	0.01%	0.000%
10	2.423	2.400	2.448	PH	701	4283	0.05%	0.002%
11	2.460	2.448	2.472	PH	429	3457	0.04%	0.001%
12	2.480	2.472	2.506	HH	331	267	0.00%	0.000%
13	2.512	2.506	2.519	PH	-92	-1250	-0.01%	-0.001%
14	2.539	2.519	2.563	PH	819	6369	0.07%	0.003%
15	2.574	2.563	2.604	PH	156	-849	-0.01%	-0.000%
16	2.608	2.604	2.617	PH	-226	-1932	-0.02%	-0.001%
17	2.630	2.617	2.635	PH	83	-545	-0.01%	-0.000%
18	2.661	2.635	2.689	PH	836	6936	0.08%	0.003%
19	2.700	2.689	2.718	PH	-104	-3370	-0.04%	-0.001%
20	2.741	2.718	2.755	PH	143	-1459	-0.02%	-0.001%
21	2.772	2.755	2.783	PH	213	-250	-0.00%	-0.000%
22	2.790	2.783	2.814	PH	77	-675	-0.01%	-0.000%
23	2.817	2.814	2.829	PH	-100	-1607	-0.02%	-0.001%
24	2.834	2.829	2.838	PH	-146	-877	-0.01%	-0.000%
25	2.856	2.838	2.873	PH	341	1345	0.02%	0.001%
26	2.886	2.873	2.898	PH	493	2736	0.03%	0.001%
27	2.904	2.898	2.911	PH	123	287	0.00%	0.000%
28	2.948	2.911	2.979	PH	956	10078	0.11%	0.004%
29	3.007	2.979	3.028	PH	2151	32830	0.37%	0.013%
30	3.039	3.028	3.068	HH	1091	13773	0.15%	0.006%
31	3.072	3.068	3.088	HH	145	1098	0.01%	0.000%
32	3.095	3.088	3.113	PH	131	453	0.01%	0.000%
33	3.139	3.113	3.155	PH	722	5695	0.06%	0.002%
34	3.166	3.155	3.177	HH	521	4470	0.05%	0.002%
35	3.189	3.177	3.201	HH	1759	17146	0.19%	0.007%
36	3.213	3.201	3.228	HH	4273	39776	0.45%	0.016%

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37	3.236	3.228	3.274	HH	987	7658	0.09%	0.003%
38	3.290	3.274	3.303	PH	221	476		
39	3.318	3.303	3.330	PH	2564	23207		
40	3.342	3.330	3.359	HH	2381	24924		
41	3.374	3.359	3.398	HH	2043	31252		
42	3.403	3.398	3.419	HH	956	7345		
43	3.432	3.419	3.447	HH	1338	11494	0.13%	0.005%
44	3.464	3.447	3.491	HH	3188	38777	0.44%	0.016%
45	3.523	3.491	3.542	HH	3023	44362	0.50%	0.018%
46	3.566	3.542	3.608	HH	7004	132415	1.49%	0.054%
47	3.638	3.608	3.651	HH	6882	92035	1.03%	0.037%
48	3.655	3.651	3.669	HH	2823	21714	0.24%	0.009%
49	3.685	3.669	3.715	HH	3064	39606	0.44%	0.016%
50	3.730	3.715	3.749	HH	4186	37881	0.43%	0.015%
51	3.779	3.749	3.795	HH	3247	49785	0.56%	0.020%
52	3.805	3.795	3.828	HH	2994	34792	0.39%	0.014%
53	3.846	3.828	3.867	HH	2712	36690	0.41%	0.015%
54	3.881	3.867	3.908	HH	13007	184166	2.07%	0.075%
55	3.919	3.908	3.940	HH	6632	99525	1.12%	0.040%
56	3.951	3.940	3.975	HH	5384	73447	0.82%	0.030%
57	3.996	3.975	4.007	HH	3195	44704	0.50%	0.018%
58	4.021	4.007	4.043	HH	3846	62971	0.71%	0.026%
59	4.061	4.043	4.084	HH	4547	74717	0.84%	0.030%
60	4.099	4.084	4.136	HH	5258	81685	0.92%	0.033%
61	4.170	4.136	4.188	HH	7225	92781	1.04%	0.038%
62	4.223	4.188	4.232	HH	4331	86102	0.97%	0.035%
63	4.259	4.232	4.286	HH	324528	2977029	33.42%	1.211%
64	4.294	4.286	4.308	HH	3655	37459	0.42%	0.015%
65	4.324	4.308	4.373	HH	6400	115780	1.30%	0.047%
66	4.414	4.373	4.435	HH	7821	155783	1.75%	0.063%
67	4.452	4.435	4.467	HH	11735	154807	1.74%	0.063%
68	4.475	4.467	4.498	HH	6534	98105	1.10%	0.040%
69	4.510	4.498	4.524	HH	6809	77733	0.87%	0.032%
70	4.536	4.524	4.545	HH	4156	47983	0.54%	0.020%
71	4.564	4.545	4.574	HH	7396	101706	1.14%	0.041%
72	4.583	4.574	4.598	HH	7673	83133	0.93%	0.034%
73	4.627	4.598	4.643	HH	10546	182818	2.05%	0.074%
74	4.668	4.643	4.705	HH	13236	306037	3.44%	0.124%
75	4.723	4.705	4.755	HH	14478	234941	2.64%	0.096%
76	4.774	4.755	4.800	HH	6686	139068	1.56%	0.057%
77	4.813	4.800	4.830	HH	5868	77723	0.87%	0.032%
78	4.856	4.830	4.862	HH	4893	72322	0.81%	0.029%
79	4.877	4.862	4.892	HH	9133	126442	1.42%	0.051%
80	4.897	4.892	4.920	HH	5747	73375	0.82%	0.030%
81	4.943	4.920	4.954	HH	8110	112624	1.26%	0.046%
82	4.968	4.954	4.981	HH	14093	165592	1.86%	0.067%
83	4.988	4.981	4.996	HH	8809	72872	0.82%	0.030%
84	5.004	4.996	5.010	HH	8686	72787	0.82%	0.030%
85	5.015	5.010	5.032	HH	8431	85177	0.96%	0.035%
86	5.049	5.032	5.072	HH	7721	146212	1.64%	0.059%
87	5.091	5.072	5.102	HH	7819	117746	1.32%	0.048%
88	5.115	5.102	5.133	HH	9126	153381	1.72%	0.062%
89	5.148	5.133	5.162	HH	8715	128432	1.44%	0.052%

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90	5.178	5.162	5.192	HH	15404	198515	2.23%	0.081%
91	5.206	5.192	5.251	HH	13405	328527		
92	5.267	5.251	5.279	HH	8477	115009		
93	5.309	5.279	5.332	HH	29611	471475		
94	5.360	5.332	5.373	HH	11566	217609		
95	5.377	5.373	5.393	HH	8975	95262		
96	5.409	5.393	5.423	HH	9492	142917	1.60%	0.058%
97	5.434	5.423	5.445	HH	8187	101222	1.14%	0.041%
98	5.466	5.445	5.493	HH	34264	494748	5.55%	0.201%
99	5.515	5.493	5.527	HH	10410	196341	2.20%	0.080%
100	5.542	5.527	5.556	HH	10887	163972	1.84%	0.067%
101	5.578	5.556	5.618	HH	15792	415557	4.67%	0.169%
102	5.636	5.618	5.649	HH	12841	183807	2.06%	0.075%
103	5.655	5.649	5.666	HH	10244	94691	1.06%	0.039%
104	5.695	5.666	5.718	HH	15625	358478	4.02%	0.146%
105	5.742	5.718	5.761	HH	16932	275391	3.09%	0.112%
106	5.792	5.761	5.811	HH	19466	401375	4.51%	0.163%
107	5.821	5.811	5.831	HH	11780	136591	1.53%	0.056%
108	5.839	5.831	5.852	HH	11775	143382	1.61%	0.058%
109	5.879	5.852	5.897	HH	14924	342289	3.84%	0.139%
110	5.913	5.897	5.918	HH	13290	142728	1.60%	0.058%
111	5.932	5.918	5.950	HH	16863	286806	3.22%	0.117%
112	5.968	5.950	5.994	HH	18314	390130	4.38%	0.159%
113	6.008	5.994	6.043	HH	17541	438287	4.92%	0.178%
114	6.073	6.043	6.092	HH	20874	463486	5.20%	0.189%
115	6.100	6.092	6.124	HH	14978	267793	3.01%	0.109%
116	6.146	6.124	6.164	HH	24424	435479	4.89%	0.177%
117	6.196	6.164	6.210	HH	23775	521519	5.86%	0.212%
118	6.217	6.210	6.240	HH	19724	307118	3.45%	0.125%
119	6.268	6.240	6.316	HH	315967	3644937	40.92%	1.482%
120	6.329	6.316	6.333	HH	13754	135912	1.53%	0.055%
121	6.354	6.333	6.377	HH	19565	408484	4.59%	0.166%
122	6.392	6.377	6.401	HH	17861	227550	2.55%	0.093%
123	6.415	6.401	6.438	HH	34627	560594	6.29%	0.228%
124	6.451	6.438	6.474	HH	29321	466630	5.24%	0.190%
125	6.486	6.474	6.498	HH	16345	209521	2.35%	0.085%
126	6.540	6.498	6.559	HH	21283	633273	7.11%	0.258%
127	6.585	6.559	6.610	HH	25353	605549	6.80%	0.246%
128	6.619	6.610	6.631	HH	15576	178566	2.00%	0.073%
129	6.648	6.631	6.678	HH	21306	476413	5.35%	0.194%
130	6.721	6.678	6.741	HH	20707	609658	6.84%	0.248%
131	6.759	6.741	6.768	HH	20534	304438	3.42%	0.124%
132	6.785	6.768	6.802	HH	25259	432957	4.86%	0.176%
133	6.822	6.802	6.852	HH	23494	564930	6.34%	0.230%
134	6.875	6.852	6.892	HH	23510	467118	5.24%	0.190%
135	6.900	6.892	6.942	HH	18855	478028	5.37%	0.194%
136	6.965	6.942	7.003	HH	55368	1079267	12.12%	0.439%
137	7.020	7.003	7.042	HH	23446	454115	5.10%	0.185%
138	7.063	7.042	7.080	HH	27166	470943	5.29%	0.192%
139	7.090	7.080	7.120	HH	18092	396148	4.45%	0.161%
140	7.148	7.120	7.159	HH	22057	452533	5.08%	0.184%
141	7.165	7.159	7.176	HH	21349	204276	2.29%	0.083%

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rteres							HB-2-(20-25)-12-17-2	
142	7.188	7.176	7.210	HH	22454	398644	4.48%	0.162%
143	7.232	7.210	7.251	HH	22133	472057		
144	7.272	7.251	7.299	HH	20689	543186		
145	7.317	7.299	7.333	HH	19876	366415		
							Manual Integration	
146	7.359	7.333	7.389	HH	36162	832049		
147	7.404	7.389	7.426	HH	20164	374165		
148	7.445	7.426	7.456	HH	18167	292005	3.28%	0.119%
149	7.468	7.456	7.481	HH	19418	268997	3.02%	0.109%
150	7.497	7.481	7.503	HH	20744	256740	2.88%	0.104%
151	7.518	7.503	7.536	HH	25232	415238	4.66%	0.169%
152	7.549	7.536	7.583	HH	17704	444406	4.99%	0.181%
153	7.609	7.583	7.626	HH	21959	449335	5.04%	0.183%
154	7.646	7.626	7.672	HH	19167	476894	5.35%	0.194%
155	7.697	7.672	7.719	HH	17928	470321	5.28%	0.191%
156	7.750	7.719	7.768	HH	21427	558323	6.27%	0.227%
157	7.786	7.768	7.829	HH	26497	698822	7.85%	0.284%
158	7.844	7.829	7.853	HH	16587	226781	2.55%	0.092%
159	7.874	7.853	7.899	HH	47946	763731	8.57%	0.311%
160	7.922	7.899	7.944	HH	20695	487146	5.47%	0.198%
161	7.961	7.944	7.982	HH	20304	378906	4.25%	0.154%
162	8.054	7.982	8.081	HH	326090	4136906	46.44%	1.683%
163	8.099	8.081	8.116	HH	21605	401381	4.51%	0.163%
164	8.126	8.116	8.134	HH	16976	174473	1.96%	0.071%
165	8.149	8.134	8.162	HH	19425	300838	3.38%	0.122%
166	8.170	8.162	8.184	HH	17089	209116	2.35%	0.085%
167	8.205	8.184	8.222	HH	25517	450130	5.05%	0.183%
168	8.235	8.222	8.253	HH	17267	301481	3.38%	0.123%
169	8.266	8.253	8.285	HH	18927	331367	3.72%	0.135%
170	8.296	8.285	8.313	HH	16482	251704	2.83%	0.102%
171	8.335	8.313	8.366	HH	16385	466458	5.24%	0.190%
172	8.378	8.366	8.388	HH	12972	162614	1.83%	0.066%
173	8.406	8.388	8.421	HH	18716	312094	3.50%	0.127%
174	8.436	8.421	8.457	HH	15881	315783	3.55%	0.128%
175	8.469	8.457	8.483	HH	14362	213421	2.40%	0.087%
176	8.504	8.483	8.521	HH	19296	363326	4.08%	0.148%
177	8.529	8.521	8.537	HH	16175	150244	1.69%	0.061%
178	8.543	8.537	8.548	HH	15882	107585	1.21%	0.044%
179	8.564	8.548	8.569	HH	18572	219130	2.46%	0.089%
180	8.587	8.569	8.611	HH	37263	596350	6.70%	0.243%
181	8.619	8.611	8.645	HH	12706	245802	2.76%	0.100%
182	8.662	8.645	8.680	HH	14643	259474	2.91%	0.106%
183	8.702	8.680	8.720	HH	13431	298227	3.35%	0.121%
184	8.732	8.720	8.750	HH	13839	223366	2.51%	0.091%
185	8.763	8.750	8.779	HH	11676	195374	2.19%	0.079%
186	8.812	8.779	8.828	HH	14289	370965	4.16%	0.151%
187	8.834	8.828	8.849	HH	12188	148651	1.67%	0.060%
188	8.869	8.849	8.887	HH	15681	308776	3.47%	0.126%
189	8.900	8.887	8.932	HH	13783	307345	3.45%	0.125%
190	8.953	8.932	8.976	HH	12231	265276	2.98%	0.108%
191	9.016	8.976	9.038	HH	10956	355496	3.99%	0.145%
192	9.068	9.038	9.082	HH	9552	224961	2.53%	0.091%
193	9.103	9.082	9.123	HH	10650	220693	2.48%	0.090%
194	9.150	9.123	9.186	HH	10848	349099	3.92%	0.142%

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195	9.197	9.186	9.210	HH	8088	112753
196	9.247	9.210	9.272	HH	17319	412214
197	9.287	9.272	9.301	HH	12083	179006
198	9.317	9.301	9.351	HH	10975	268606
199	9.357	9.351	9.368	HH	7027	74158
200	9.379	9.368	9.392	HH	7201	101645
201	9.426	9.392	9.452	HH	12032	293797
202	9.480	9.452	9.507	HH	8654	216153
203	9.521	9.507	9.539	HH	5802	106563
204	9.562	9.539	9.577	HH	7128	143546
205	9.601	9.577	9.618	HH	7437	172298
206	9.647	9.618	9.691	HH	268196	3100623
207	9.706	9.691	9.713	HH	5622	68785
208	9.719	9.713	9.734	HH	5559	70503
209	9.751	9.734	9.788	HH	6796	170182
210	9.815	9.788	9.841	HH	4802	137194
211	9.844	9.841	9.848	HH	4001	17524
212	9.853	9.848	9.866	HH	4071	44271
213	9.871	9.866	9.899	HH	4184	75025
214	9.915	9.899	9.937	HH	4175	87028
215	9.973	9.937	10.002	HH	6136	178235
216	10.031	10.002	10.055	HH	9703	206213
217	10.062	10.055	10.073	HH	4821	50943
218	10.110	10.073	10.140	HH	5557	196116
219	10.160	10.140	10.207	HH	5348	170318
220	10.227	10.207	10.241	HH	4013	74832
221	10.262	10.241	10.280	HH	6015	109583
222	10.295	10.280	10.301	HH	4348	53751
223	10.308	10.301	10.327	HH	4276	61580
224	10.338	10.327	10.350	HH	3972	53687
225	10.380	10.350	10.417	HH	6059	175016
226	10.453	10.417	10.471	HH	7980	175253
227	10.483	10.471	10.505	HH	5520	95732
228	10.511	10.505	10.550	HH	4272	97941
229	10.561	10.550	10.581	HH	3061	53607
230	10.599	10.581	10.617	HH	2978	62718
231	10.638	10.617	10.659	HH	4001	84744
232	10.692	10.659	10.735	HH	4562	172376
233	10.753	10.735	10.781	HH	3958	93758
234	10.793	10.781	10.814	HH	3211	61197
235	10.850	10.814	10.871	HH	4555	121195
236	10.886	10.871	10.904	HH	3404	60293
237	10.918	10.904	10.932	HH	3185	52125
238	10.936	10.932	10.967	HH	3128	57905
239	10.972	10.967	10.987	HH	2678	31815
240	11.016	10.987	11.042	HH	3681	103107
241	11.083	11.042	11.114	HH	270002	3140862
242	11.128	11.114	11.137	HH	3346	44976
243	11.160	11.137	11.212	HH	9058	218318
244	11.238	11.212	11.257	HH	7855	131836
245	11.269	11.257	11.298	HH	4022	85858
246	11.317	11.298	11.347	HH	3127	85448

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Reviewed By :Yogesh Patel 12/22/2021
Supervised By :mohammad ahmed 12/22/2021

					rters			
247	11.372	11.347	11.411	HH	4501	145406	1.63%	0.059%
248	11.428	11.411	11.449	HH	4655	88560		
249	11.468	11.449	11.494	HH	4581	107595		
250	11.511	11.494	11.555	HH	5743	169004		
251	11.560	11.555	11.599	HH	3962	93982		
252	11.604	11.599	11.617	HH	3169	33050		
253	11.632	11.617	11.664	HH	3281	89497	1.00%	0.036%
254	11.684	11.664	11.699	HH	3273	64359	0.72%	0.026%
255	11.730	11.699	11.769	HH	4793	167474	1.88%	0.068%
256	11.801	11.769	11.815	HH	5723	119606	1.34%	0.049%
257	11.837	11.815	11.865	HH	12123	211637	2.38%	0.086%
258	11.875	11.865	11.892	HH	3764	59406	0.67%	0.024%
259	11.904	11.892	11.922	HH	3744	63106	0.71%	0.026%
260	11.948	11.922	11.960	HH	4152	84368	0.95%	0.034%
261	12.005	11.960	12.056	HH	38814	706930	7.94%	0.288%
262	12.066	12.056	12.075	HH	5745	62342	0.70%	0.025%
263	12.092	12.075	12.115	HH	6762	143801	1.61%	0.058%
264	12.140	12.115	12.163	HH	6439	153681	1.73%	0.063%
265	12.173	12.163	12.190	HH	5015	77193	0.87%	0.031%
266	12.211	12.190	12.280	HH	5262	236033	2.65%	0.096%
267	12.313	12.280	12.351	HH	5576	192207	2.16%	0.078%
268	12.388	12.351	12.418	HH	252214	3019143	33.90%	1.228%
269	12.423	12.418	12.429	HH	4689	29379	0.33%	0.012%
270	12.452	12.429	12.471	HH	10901	195288	2.19%	0.079%
271	12.485	12.471	12.505	HH	7637	128371	1.44%	0.052%
272	12.530	12.505	12.558	HH	11256	226478	2.54%	0.092%
273	12.570	12.558	12.581	HH	4785	63806	0.72%	0.026%
274	12.615	12.581	12.692	HH	135216	2058932	23.12%	0.837%
275	12.711	12.692	12.728	HH	8020	153412	1.72%	0.062%
276	12.742	12.728	12.760	HH	7448	123778	1.39%	0.050%
277	12.766	12.760	12.785	HH	5640	79572	0.89%	0.032%
278	12.813	12.785	12.825	HH	8863	171118	1.92%	0.070%
279	12.834	12.825	12.852	HH	8301	114847	1.29%	0.047%
280	12.869	12.852	12.929	HH	7232	256515	2.88%	0.104%
281	12.947	12.929	12.974	HH	5039	120624	1.35%	0.049%
282	13.021	12.974	13.042	HH	12765	306251	3.44%	0.125%
283	13.069	13.042	13.091	HH	13078	307102	3.45%	0.125%
284	13.106	13.091	13.181	HH	9544	374737	4.21%	0.152%
285	13.202	13.181	13.218	HH	7476	141468	1.59%	0.058%
286	13.236	13.218	13.272	HH	11178	256229	2.88%	0.104%
287	13.297	13.272	13.302	HH	7751	127971	1.44%	0.052%
288	13.309	13.302	13.335	HH	7740	142808	1.60%	0.058%
289	13.351	13.335	13.369	HH	7585	141709	1.59%	0.058%
290	13.387	13.369	13.424	HH	8333	229470	2.58%	0.093%
291	13.438	13.424	13.466	HH	6337	147482	1.66%	0.060%
292	13.474	13.466	13.480	HH	5509	45926	0.52%	0.019%
293	13.499	13.480	13.507	HH	5914	94514	1.06%	0.038%
294	13.532	13.507	13.549	HH	8894	185150	2.08%	0.075%
295	13.581	13.549	13.620	HH	230334	2911003	32.68%	1.184%
296	13.644	13.620	13.663	HH	5567	135492	1.52%	0.055%
297	13.684	13.663	13.705	HH	5728	133206	1.50%	0.054%
298	13.727	13.705	13.758	HH	6793	190197	2.14%	0.077%
299	13.774	13.758	13.890	HH	5834	408844	4.59%	0.166%

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300	13.903	13.890	13.914	HH	5016	68362	0.77%	0.028%
301	13.939	13.914	13.957	HH	6187	144423		
302	13.998	13.957	14.082	HH	7828	450607		
303	14.085	14.082	14.114	HH	5262	96383		
304	14.146	14.114	14.179	HH	7413	242573		
305	14.202	14.179	14.226	HH	8381	194140		
306	14.250	14.226	14.282	HH	5943	191060	2.15%	0.078%
307	14.303	14.282	14.325	HH	5536	139606	1.57%	0.057%
308	14.369	14.325	14.392	HH	6285	224900	2.52%	0.091%
309	14.394	14.392	14.401	HH	5456	29676	0.33%	0.012%
310	14.434	14.401	14.447	HH	9901	206394	2.32%	0.084%
311	14.476	14.447	14.531	HH	143588	2171129	24.38%	0.883%
312	14.577	14.531	14.595	HH	6863	249297	2.80%	0.101%
313	14.630	14.595	14.647	HH	11695	278453	3.13%	0.113%
314	14.680	14.647	14.706	HH	212325	2845967	31.95%	1.157%
315	14.720	14.706	14.757	HH	14288	314284	3.53%	0.128%
316	14.779	14.757	14.798	HH	8879	187446	2.10%	0.076%
317	14.834	14.798	14.852	HH	7541	230350	2.59%	0.094%
318	14.880	14.852	14.892	HH	7428	171594	1.93%	0.070%
319	14.918	14.892	14.943	HH	10223	255526	2.87%	0.104%
320	14.965	14.943	14.990	HH	8162	206366	2.32%	0.084%
321	15.011	14.990	15.025	HH	8311	161744	1.82%	0.066%
322	15.041	15.025	15.049	HH	8665	116059	1.30%	0.047%
323	15.078	15.049	15.163	HH	55070	1435743	16.12%	0.584%
324	15.195	15.163	15.233	HH	10888	379475	4.26%	0.154%
325	15.260	15.233	15.285	HH	12748	307795	3.46%	0.125%
326	15.299	15.285	15.310	HH	8354	122779	1.38%	0.050%
327	15.325	15.310	15.356	HH	8427	223655	2.51%	0.091%
328	15.429	15.356	15.450	HH	9885	476942	5.35%	0.194%
329	15.459	15.450	15.476	HH	8824	136887	1.54%	0.056%
330	15.495	15.476	15.523	HH	9056	238773	2.68%	0.097%
331	15.556	15.523	15.582	HH	12551	368096	4.13%	0.150%
332	15.602	15.582	15.637	HH	11054	327573	3.68%	0.133%
333	15.697	15.637	15.728	HH	202321	2977010	33.42%	1.211%
334	15.761	15.728	15.777	HH	12615	354054	3.97%	0.144%
335	15.802	15.777	15.816	HH	16197	338193	3.80%	0.138%
336	15.836	15.816	15.850	HH	17740	328988	3.69%	0.134%
337	15.862	15.850	15.880	HH	16450	283889	3.19%	0.115%
338	15.893	15.880	15.914	HH	15619	303614	3.41%	0.123%
339	15.926	15.914	15.958	HH	13886	349530	3.92%	0.142%
340	15.975	15.958	16.015	HH	13992	451524	5.07%	0.184%
341	16.034	16.015	16.070	HH	13035	420849	4.72%	0.171%
342	16.095	16.070	16.131	HH	17713	538915	6.05%	0.219%
343	16.149	16.131	16.158	HH	12846	202070	2.27%	0.082%
344	16.177	16.158	16.198	HH	14281	320754	3.60%	0.130%
345	16.231	16.198	16.235	HH	13187	281559	3.16%	0.115%
346	16.251	16.235	16.273	HH	13492	302354	3.39%	0.123%
347	16.309	16.273	16.374	HH	21136	862603	9.68%	0.351%
348	16.402	16.374	16.418	HH	12553	330878	3.71%	0.135%
349	16.483	16.418	16.487	HH	13369	523541	5.88%	0.213%
350	16.502	16.487	16.520	HH	13500	265626	2.98%	0.108%
351	16.562	16.520	16.585	HH	14640	540776	6.07%	0.220%

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rteres									
352	16.644	16.585	16.673	HH	201051	3298747	37.03%	1.342%	
353	16.698	16.673	16.749	HH	31252	1004984	11.00%	0.170%	
354	16.753	16.749	16.779	HH	15668	277788	3.00%	0.032%	
355	16.794	16.779	16.824	HH	15287	409871	4.00%	0.059%	
356	16.869	16.824	16.892	HH	15479	623094	7.00%	0.109%	
357	16.919	16.892	16.939	HH	16137	443729	4.00%	0.032%	
358	16.969	16.939	16.994	HH	19329	558770	6.27%	0.227%	
359	17.031	16.994	17.064	HH	17840	714099	8.02%	0.290%	
360	17.088	17.064	17.120	HH	20007	607742	6.82%	0.247%	
361	17.133	17.120	17.157	HH	17002	371896	4.18%	0.151%	
362	17.177	17.157	17.199	HH	16736	417650	4.69%	0.170%	
363	17.224	17.199	17.233	HH	16715	342347	3.84%	0.139%	
364	17.261	17.233	17.266	HH	17289	331688	3.72%	0.135%	
365	17.270	17.266	17.280	HH	17174	145413	1.63%	0.059%	
366	17.316	17.280	17.367	HH	18553	917621	10.30%	0.373%	
367	17.394	17.367	17.399	HH	17427	335289	3.76%	0.136%	
368	17.404	17.399	17.432	HH	17431	336116	3.77%	0.137%	
369	17.479	17.432	17.493	HH	20639	691713	7.77%	0.281%	
370	17.528	17.493	17.567	HH	200783	3214283	36.09%	1.307%	
371	17.614	17.567	17.641	HH	20847	869901	9.77%	0.354%	
372	17.679	17.641	17.710	HH	20043	803840	9.02%	0.327%	
373	17.746	17.710	17.775	HH	20553	764363	8.58%	0.311%	
374	17.839	17.775	17.870	HH	23217	1180818	13.26%	0.480%	
375	17.907	17.870	17.982	HH	40489	1864458	20.93%	0.758%	
376	17.992	17.982	18.004	HH	20710	266900	3.00%	0.109%	
377	18.008	18.004	18.010	HH	20772	79482	0.89%	0.032%	
378	18.047	18.010	18.085	HH	22475	974145	10.94%	0.396%	
379	18.105	18.085	18.112	HH	21210	340164	3.82%	0.138%	
380	18.121	18.112	18.125	HH	21224	172413	1.94%	0.070%	
381	18.192	18.125	18.215	HH	22809	1182690	13.28%	0.481%	
382	18.233	18.215	18.283	HH	23204	926790	10.41%	0.377%	
383	18.355	18.283	18.406	HH	196957	4238606	47.59%	1.724%	
384	18.455	18.406	18.469	HH	26509	940348	10.56%	0.382%	
385	18.486	18.469	18.493	HH	26480	384270	4.31%	0.156%	
386	18.500	18.493	18.534	HH	26463	626589	7.03%	0.255%	
387	18.554	18.534	18.576	HH	25402	631121	7.09%	0.257%	
388	18.610	18.576	18.638	HH	26181	956649	10.74%	0.389%	
389	18.676	18.638	18.682	HH	26345	693701	7.79%	0.282%	
390	18.730	18.682	18.801	HH	42902	2454800	27.56%	0.998%	
391	18.816	18.801	18.824	HH	29005	393061	4.41%	0.160%	
392	18.906	18.824	18.920	HH	30135	1709039	19.19%	0.695%	
393	18.947	18.920	18.977	HH	33220	1068588	12.00%	0.435%	
394	18.995	18.977	19.014	HH	31453	685461	7.70%	0.279%	
395	19.039	19.014	19.049	HH	32458	672488	7.55%	0.274%	
396	19.060	19.049	19.071	HH	32496	438971	4.93%	0.179%	
397	19.136	19.071	19.170	HH	178062	3980420	44.69%	1.619%	
398	19.191	19.170	19.214	HH	38622	980469	11.01%	0.399%	
399	19.240	19.214	19.274	HH	38161	1310734	14.72%	0.533%	
400	19.299	19.274	19.327	HH	37247	1161463	13.04%	0.472%	
401	19.444	19.327	19.452	HH	38609	2795715	31.39%	1.137%	
402	19.486	19.452	19.497	HH	43992	1108893	12.45%	0.451%	
403	19.508	19.497	19.557	HH	43572	1521797	17.09%	0.619%	
404	19.609	19.557	19.622	HH	42114	1608085	18.05%	0.654%	

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405	19.639	19.622	19.654	HH	42581	817533	9.18%	0.332%
406	19.706	19.654	19.719	HH	45086	1715944	19.18%	0.332%
407	19.753	19.719	19.794	HH	48578	2083194	23.18%	0.332%
408	19.875	19.794	19.910	HH	175612	5147452	57.18%	0.332%
409	19.915	19.910	19.921	HH	50009	317223	3.18%	0.332%
410	19.936	19.921	19.942	HH	50097	632444	7.18%	0.332%
411	19.981	19.942	19.992	HH	51216	1525497	17.13%	0.620%
412	20.030	19.992	20.058	HH	63551	2194926	24.64%	0.893%
413	20.178	20.058	20.196	HH	56524	4507455	50.60%	1.833%
414	20.235	20.196	20.255	HH	60131	2049892	23.01%	0.834%
415	20.261	20.255	20.264	HH	59857	326593	3.67%	0.133%
416	20.340	20.264	20.351	HH	61475	3187200	35.78%	1.296%
417	20.375	20.351	20.389	HH	61922	1390445	15.61%	0.566%
418	20.515	20.389	20.548	HH	180330	7856237	88.20%	3.195%
419	20.580	20.548	20.626	HH	174897	4795443	53.84%	1.950%
420	20.636	20.626	20.647	HH	64376	806963	9.06%	0.328%
421	20.733	20.647	20.739	HH	66628	3614727	40.58%	1.470%
422	20.752	20.739	20.846	HH	66840	4213633	47.31%	1.714%
423	20.905	20.846	20.929	HH	65411	3224882	36.21%	1.312%
424	20.966	20.929	21.011	HH	67219	3241443	36.39%	1.318%
425	21.014	21.011	21.020	HH	65030	340036	3.82%	0.138%
426	21.056	21.020	21.137	HH	66056	4559772	51.19%	1.854%
427	21.157	21.137	21.164	HH	63446	1007717	11.31%	0.410%
428	21.172	21.164	21.177	HH	63387	491926	5.52%	0.200%
429	21.236	21.177	21.258	HH	64871	3137515	35.22%	1.276%
430	21.263	21.258	21.270	HH	64300	451831	5.07%	0.184%
431	21.307	21.270	21.345	HH	67028	2927131	32.86%	1.190%
432	21.411	21.345	21.534	HH	138284	8907137	100.00%	3.623%
433	21.544	21.534	21.547	HH	63052	498766	5.60%	0.203%
434	21.599	21.547	21.620	HH	63860	2785334	31.27%	1.133%
435	21.623	21.620	21.659	HH	63650	1459411	16.38%	0.594%
436	21.665	21.659	21.675	HH	63453	632866	7.11%	0.257%
437	21.689	21.675	21.707	HH	63353	1209395	13.58%	0.492%
438	21.713	21.707	21.800	HHA	62789	3505115	39.35%	1.426%
Sum of corrected areas:					245876625			

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FF121521.M Wed Dec 22 18:49:57 2021