

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC120718AL\
 Data File : FC038070.D
 Signal(s) : FID1A.CH
 Acq On : 08 Dec 2018 6:49
 Sample : J6199-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 111318.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	1.563	1.527	1.605	BV	1879	15345	0.19%	0.004%
2	1.622	1.605	1.657	PV	486	6590	0.08%	0.002%
3	1.674	1.657	1.715	VV	326	4848	0.06%	0.001%
4	1.730	1.715	1.753	PV	381	3162	0.04%	0.001%
5	1.791	1.772	1.819	VV	523	4684	0.06%	0.001%
6	1.840	1.819	1.859	PV	7552	62145	0.75%	0.016%
7	1.869	1.859	1.895	VV	7437	76853	0.93%	0.020%
8	1.903	1.895	1.937	VV	1770	24611	0.30%	0.006%
9	1.946	1.937	1.962	VV	993	9736	0.12%	0.002%
10	1.972	1.962	2.005	VV	6733	63450	0.77%	0.016%
11	2.017	2.005	2.052	VV	5989	62812	0.76%	0.016%
12	2.060	2.052	2.095	VV	677	9465	0.11%	0.002%
13	2.124	2.095	2.150	VV	518	7493	0.09%	0.002%
14	2.166	2.150	2.219	PV	289	6313	0.08%	0.002%
15	2.267	2.219	2.279	VV	575	7542	0.09%	0.002%
16	2.288	2.279	2.327	VV	4841	72905	0.89%	0.019%
17	2.341	2.327	2.375	VV	2989	36612	0.44%	0.009%
18	2.384	2.375	2.424	VV	1115	12494	0.15%	0.003%
19	2.435	2.424	2.492	VV	383	6719	0.08%	0.002%
20	2.502	2.492	2.536	VV	279	3688	0.04%	0.001%
21	2.542	2.536	2.556	VV	166	1011	0.01%	0.000%
22	2.585	2.556	2.615	PV	289	4491	0.05%	0.001%
23	2.624	2.615	2.644	PV	149	1471	0.02%	0.000%
24	2.668	2.644	2.680	VV	469	5587	0.07%	0.001%
25	2.691	2.680	2.727	VV	330	5307	0.06%	0.001%
26	2.750	2.727	2.788	VV	1651	20913	0.25%	0.005%
27	2.831	2.788	2.863	VV	372	11553	0.14%	0.003%
28	2.874	2.863	2.890	VV	308	3718	0.05%	0.001%
29	2.900	2.890	2.910	VV	236	2232	0.03%	0.001%
30	2.943	2.910	2.983	VV	363	9690	0.12%	0.002%
31	2.994	2.983	3.048	VV	198	4489	0.05%	0.001%
32	3.063	3.048	3.098	PV	278	5376	0.07%	0.001%
33	3.121	3.098	3.146	VV	487	8649	0.11%	0.002%
34	3.154	3.146	3.175	VV	239	3125	0.04%	0.001%
35	3.191	3.175	3.204	VV	213	2149	0.03%	0.001%
36	3.214	3.204	3.224	VV	288	1710	0.02%	0.000%

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37	3.234	3.224	3.280	VV	233	4928	0.06%	0.001%
38	3.292	3.280	3.302	VV	247	1988	0.02%	0.001%
39	3.315	3.302	3.340	VV	206	2894	0.04%	0.001%
40	3.350	3.340	3.366	VV	210	1797	0.02%	0.000%
41	3.376	3.366	3.415	VV	168	4016	0.05%	0.001%
42	3.445	3.415	3.463	VV	233	3546	0.04%	0.001%
43	3.491	3.463	3.525	PV	287	6681	0.08%	0.002%
44	3.537	3.525	3.545	VV	243	1957	0.02%	0.001%
45	3.554	3.545	3.584	VV	207	3556	0.04%	0.001%
46	3.606	3.584	3.672	VV	428	11266	0.14%	0.003%
47	3.691	3.672	3.747	VV	361	9219	0.11%	0.002%
48	3.781	3.747	3.791	VV	637	7833	0.10%	0.002%
49	3.809	3.791	3.860	VV	1318	34476	0.42%	0.009%
50	3.875	3.860	3.920	VV	777	17598	0.21%	0.005%
51	3.942	3.920	3.969	VV	743	15766	0.19%	0.004%
52	3.982	3.969	4.005	VV	502	9228	0.11%	0.002%
53	4.015	4.005	4.070	VV	552	13038	0.16%	0.003%
54	4.087	4.070	4.105	VV	370	6133	0.07%	0.002%
55	4.130	4.105	4.152	VV	378	8275	0.10%	0.002%
56	4.179	4.152	4.201	VV	1456	18721	0.23%	0.005%
57	4.215	4.201	4.234	VV	476	7066	0.09%	0.002%
58	4.248	4.234	4.263	VV	372	5329	0.06%	0.001%
59	4.280	4.263	4.309	VV	371	7216	0.09%	0.002%
60	4.334	4.309	4.357	VV	640	11530	0.14%	0.003%
61	4.374	4.357	4.417	VV	405	9645	0.12%	0.002%
62	4.430	4.417	4.449	VV	525	6844	0.08%	0.002%
63	4.454	4.449	4.472	VV	307	4085	0.05%	0.001%
64	4.482	4.472	4.492	VV	308	3413	0.04%	0.001%
65	4.503	4.492	4.519	VV	405	4127	0.05%	0.001%
66	4.551	4.519	4.579	VV	487	10978	0.13%	0.003%
67	4.592	4.579	4.611	VV	403	6392	0.08%	0.002%
68	4.634	4.611	4.675	VV	766	13613	0.17%	0.003%
69	4.699	4.675	4.715	VV	346	5107	0.06%	0.001%
70	4.728	4.715	4.753	VV	204	2879	0.03%	0.001%
71	4.781	4.753	4.791	PV	420	6290	0.08%	0.002%
72	4.808	4.791	4.838	VV	1705	21426	0.26%	0.005%
73	4.859	4.838	4.880	VV	954	14314	0.17%	0.004%
74	4.887	4.880	4.899	VV	472	4167	0.05%	0.001%
75	4.914	4.899	4.950	VV	555	8618	0.10%	0.002%
76	5.001	4.950	5.019	VV	470	7477	0.09%	0.002%
77	5.064	5.019	5.082	VV	496	12682	0.15%	0.003%
78	5.094	5.082	5.132	VV	529	8426	0.10%	0.002%
79	5.151	5.132	5.169	VV	282	3660	0.04%	0.001%
80	5.177	5.169	5.189	VV	365	2032	0.02%	0.001%
81	5.211	5.189	5.237	PV	2691	39277	0.48%	0.010%
82	5.249	5.237	5.289	VV	1057	13587	0.16%	0.003%
83	5.306	5.289	5.344	VV	432	6689	0.08%	0.002%
84	5.379	5.344	5.435	VV	839	19133	0.23%	0.005%
85	5.455	5.435	5.466	VV	404	4015	0.05%	0.001%
86	5.485	5.466	5.525	VV	930	19964	0.24%	0.005%
87	5.572	5.525	5.602	VV	931	20554	0.25%	0.005%
88	5.613	5.602	5.636	VV	455	5144	0.06%	0.001%
89	5.657	5.636	5.673	VV	553	6213	0.08%	0.002%

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90	5.707	5.673	5.732	PV	545	11114	0.13%	0.003%
91	5.754	5.732	5.790	VV	963	22492	0.27%	0.006%
92	5.800	5.790	5.824	VV	743	8871	0.11%	0.002%
93	5.845	5.824	5.864	VV	827	10652	0.13%	0.003%
94	5.882	5.864	5.892	VV	742	9852	0.12%	0.003%
95	5.912	5.892	5.949	VV	1324	24521	0.30%	0.006%
96	5.962	5.949	5.995	VV	577	9714	0.12%	0.002%
97	6.010	5.995	6.043	VV	623	9755	0.12%	0.003%
98	6.060	6.043	6.088	VV	526	9782	0.12%	0.003%
99	6.109	6.088	6.130	VV	872	14017	0.17%	0.004%
100	6.148	6.130	6.165	VV	415	5750	0.07%	0.001%
101	6.185	6.165	6.237	VV	3020	37659	0.46%	0.010%
102	6.268	6.237	6.285	PV	376	6268	0.08%	0.002%
103	6.300	6.285	6.311	VV	610	6301	0.08%	0.002%
104	6.332	6.311	6.353	VV	2480	30806	0.37%	0.008%
105	6.364	6.353	6.390	VV	692	11043	0.13%	0.003%
106	6.402	6.390	6.414	VV	564	5779	0.07%	0.001%
107	6.427	6.414	6.439	VV	626	6564	0.08%	0.002%
108	6.454	6.439	6.475	VV	1125	13761	0.17%	0.004%
109	6.496	6.475	6.546	VV	1312	27203	0.33%	0.007%
110	6.570	6.546	6.604	VV	2349	33992	0.41%	0.009%
111	6.693	6.604	6.713	VV	1603	48635	0.59%	0.012%
112	6.736	6.713	6.764	VV	1808	28126	0.34%	0.007%
113	6.791	6.764	6.823	VV	2310	47269	0.57%	0.012%
114	6.838	6.823	6.856	VV	1512	18216	0.22%	0.005%
115	6.880	6.856	6.912	VV	3600	48655	0.59%	0.012%
116	6.931	6.912	6.953	VV	1381	22562	0.27%	0.006%
117	6.974	6.953	6.991	VV	1046	17143	0.21%	0.004%
118	7.001	6.991	7.022	VV	647	9415	0.11%	0.002%
119	7.040	7.022	7.054	VV	921	12884	0.16%	0.003%
120	7.071	7.054	7.083	VV	1912	22906	0.28%	0.006%
121	7.101	7.083	7.122	VV	4159	50730	0.62%	0.013%
122	7.132	7.122	7.142	VV	669	7440	0.09%	0.002%
123	7.153	7.142	7.200	VV	736	18432	0.22%	0.005%
124	7.224	7.200	7.244	VV	579	10571	0.13%	0.003%
125	7.268	7.244	7.298	VV	1950	36536	0.44%	0.009%
126	7.313	7.298	7.339	VV	798	10356	0.13%	0.003%
127	7.357	7.339	7.372	VV	831	10794	0.13%	0.003%
128	7.400	7.372	7.490	VV	422939	4396317	53.39%	1.128%
129	7.515	7.490	7.542	VV	3772	89795	1.09%	0.023%
130	7.554	7.542	7.600	VV	2368	56989	0.69%	0.015%
131	7.615	7.600	7.640	VV	1588	28162	0.34%	0.007%
132	7.663	7.640	7.679	VV	1950	30715	0.37%	0.008%
133	7.688	7.679	7.702	VV	1489	18429	0.22%	0.005%
134	7.716	7.702	7.741	VV	1742	24975	0.30%	0.006%
135	7.786	7.741	7.812	VV	2674	50577	0.61%	0.013%
136	7.832	7.812	7.849	VV	776	12026	0.15%	0.003%
137	7.876	7.849	7.893	VV	2145	33889	0.41%	0.009%
138	7.908	7.893	7.922	VV	1393	20632	0.25%	0.005%
139	7.932	7.922	7.944	VV	1119	13734	0.17%	0.004%
140	7.964	7.944	8.000	VV	4758	63498	0.77%	0.016%
141	8.023	8.000	8.047	VV	6867	90094	1.09%	0.023%

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142	8.057	8.047	8.094	VV	1958	32897	0.40%	0.008%
143	8.108	8.094	8.129	VV	1278	17894	0.22%	0.005%
144	8.140	8.129	8.153	VV	741	8958	0.11%	0.002%
145	8.171	8.153	8.222	VV	990	18441	0.22%	0.005%
146	8.252	8.222	8.399	VV	259943	3057537	37.13%	0.785%
147	8.404	8.399	8.441	VV	2493	50637	0.61%	0.013%
148	8.460	8.441	8.482	VV	2069	42324	0.51%	0.011%
149	8.496	8.482	8.526	VV	3027	46333	0.56%	0.012%
150	8.547	8.526	8.577	VV	1345	30450	0.37%	0.008%
151	8.593	8.577	8.615	VV	1299	22874	0.28%	0.006%
152	8.632	8.615	8.657	VV	1020	21389	0.26%	0.005%
153	8.664	8.657	8.677	VV	831	8708	0.11%	0.002%
154	8.709	8.677	8.742	VV	1176	34969	0.42%	0.009%
155	8.781	8.742	8.844	VV	5221	101695	1.23%	0.026%
156	8.862	8.844	8.889	VV	857	14245	0.17%	0.004%
157	8.913	8.889	8.931	VV	1222	19400	0.24%	0.005%
158	8.969	8.931	9.014	VV	2250	56577	0.69%	0.015%
159	9.050	9.014	9.083	VV	1048	24086	0.29%	0.006%
160	9.099	9.083	9.114	VV	473	7224	0.09%	0.002%
161	9.146	9.114	9.180	VV	2052	46521	0.56%	0.012%
162	9.205	9.180	9.224	VV	1417	24852	0.30%	0.006%
163	9.236	9.224	9.262	VV	1101	17952	0.22%	0.005%
164	9.281	9.262	9.301	VV	1254	19411	0.24%	0.005%
165	9.333	9.301	9.362	VV	1244	26781	0.33%	0.007%
166	9.380	9.362	9.437	VV	421	14826	0.18%	0.004%
167	9.466	9.437	9.482	VV	752	14970	0.18%	0.004%
168	9.504	9.482	9.525	VV	1115	19506	0.24%	0.005%
169	9.554	9.525	9.592	VV	5660	77143	0.94%	0.020%
170	9.633	9.592	9.682	VV	548	20844	0.25%	0.005%
171	9.712	9.682	9.754	VV	536	10062	0.12%	0.003%
172	9.774	9.754	9.822	PV	222	4350	0.05%	0.001%
173	9.870	9.822	9.879	VV	451	7298	0.09%	0.002%
174	9.898	9.879	9.909	VV	646	8827	0.11%	0.002%
175	9.938	9.909	9.962	VV	2230	43433	0.53%	0.011%
176	9.992	9.962	10.015	VV	1164	29385	0.36%	0.008%
177	10.036	10.015	10.060	VV	1052	23638	0.29%	0.006%
178	10.079	10.060	10.102	VV	1068	15212	0.18%	0.004%
179	10.119	10.102	10.154	VV	944	17929	0.22%	0.005%
180	10.177	10.154	10.194	VV	760	13425	0.16%	0.003%
181	10.215	10.194	10.229	VV	1008	13600	0.17%	0.003%
182	10.286	10.229	10.317	VV	5930	101939	1.24%	0.026%
183	10.358	10.317	10.434	VV	3734	89977	1.09%	0.023%
184	10.479	10.434	10.489	PV	397	8516	0.10%	0.002%
185	10.520	10.489	10.575	VV	7282	128752	1.56%	0.033%
186	10.602	10.575	10.642	VV	2204	56091	0.68%	0.014%
187	10.672	10.642	10.719	VV	1268	36152	0.44%	0.009%
188	10.738	10.719	10.770	VV	726	12603	0.15%	0.003%
189	10.789	10.770	10.803	VV	427	5355	0.07%	0.001%
190	10.828	10.803	10.851	VV	551	9264	0.11%	0.002%
191	10.918	10.851	10.942	VV	961	23306	0.28%	0.006%
192	10.985	10.942	11.024	VV	5291	70441	0.86%	0.018%
193	11.075	11.024	11.104	VV	2694	56029	0.68%	0.014%
194	11.113	11.104	11.145	VV	303	3674	0.04%	0.001%

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195	11.174	11.145	11.215	VV	757	14176	0.17%	0.004%
196	11.222	11.215	11.233	VV	192	1297	0.02%	0.000%
197	11.283	11.233	11.333	PV	270009	2847464	34.58%	0.731%
198	11.350	11.333	11.392	VV	2660	56783	0.69%	0.015%
199	11.426	11.392	11.445	VV	3258	60039	0.73%	0.015%
200	11.462	11.445	11.480	VV	2689	37779	0.46%	0.010%
201	11.495	11.480	11.569	VV	1936	42800	0.52%	0.011%
202	11.583	11.569	11.599	VV	382	3622	0.04%	0.001%
203	11.650	11.599	11.673	PV	5035	72794	0.88%	0.019%
204	11.703	11.673	11.759	VV	51047	604383	7.34%	0.155%
205	11.766	11.759	11.780	VV	551	5042	0.06%	0.001%
206	11.806	11.780	11.829	VV	618	13704	0.17%	0.004%
207	11.851	11.829	11.888	VV	1156	20502	0.25%	0.005%
208	11.917	11.888	11.955	PV	1270	34151	0.41%	0.009%
209	11.960	11.955	11.970	VV	697	5298	0.06%	0.001%
210	11.988	11.970	12.037	VV	1334	31171	0.38%	0.008%
211	12.059	12.037	12.085	VV	1066	19409	0.24%	0.005%
212	12.105	12.085	12.145	VV	1415	28306	0.34%	0.007%
213	12.207	12.145	12.230	VV	3705	75647	0.92%	0.019%
214	12.248	12.230	12.259	VV	1510	22433	0.27%	0.006%
215	12.286	12.259	12.301	VV	5471	79682	0.97%	0.020%
216	12.321	12.301	12.392	VV	18303	266111	3.23%	0.068%
217	12.423	12.392	12.440	VV	729	14147	0.17%	0.004%
218	12.454	12.440	12.477	VV	659	7386	0.09%	0.002%
219	12.511	12.477	12.532	PV	862	16269	0.20%	0.004%
220	12.561	12.532	12.570	VV	1045	16102	0.20%	0.004%
221	12.584	12.570	12.591	VV	1049	12645	0.15%	0.003%
222	12.613	12.591	12.662	VV	18671	238750	2.90%	0.061%
223	12.719	12.662	12.750	VV	267161	5070540	61.57%	1.301%
224	12.770	12.750	12.792	VV	121755	1497226	18.18%	0.384%
225	12.800	12.792	12.867	VV	14637	222062	2.70%	0.057%
226	12.897	12.867	12.924	VV	5847	98873	1.20%	0.025%
227	12.949	12.924	12.999	VV	21599	301170	3.66%	0.077%
228	13.011	12.999	13.024	VV	1972	21861	0.27%	0.006%
229	13.040	13.024	13.060	VV	1958	29775	0.36%	0.008%
230	13.080	13.060	13.107	VV	1293	21732	0.26%	0.006%
231	13.128	13.107	13.135	VV	982	14132	0.17%	0.004%
232	13.143	13.135	13.152	VV	879	8740	0.11%	0.002%
233	13.159	13.152	13.177	VV	942	11922	0.14%	0.003%
234	13.208	13.177	13.223	VV	3599	56736	0.69%	0.015%
235	13.243	13.223	13.266	VV	6219	88047	1.07%	0.023%
236	13.279	13.266	13.295	VV	1329	17327	0.21%	0.004%
237	13.318	13.295	13.336	VV	2597	39436	0.48%	0.010%
238	13.352	13.336	13.369	VV	2776	35027	0.43%	0.009%
239	13.386	13.369	13.422	VV	2850	46813	0.57%	0.012%
240	13.478	13.422	13.512	VV	7589	153462	1.86%	0.039%
241	13.521	13.512	13.547	VV	2082	31335	0.38%	0.008%
242	13.560	13.547	13.570	VV	1215	14051	0.17%	0.004%
243	13.587	13.570	13.600	VV	1345	18237	0.22%	0.005%
244	13.608	13.600	13.642	VV	1037	14199	0.17%	0.004%
245	13.662	13.642	13.681	PV	1441	18256	0.22%	0.005%
246	13.733	13.681	13.757	VV	5488	99665	1.21%	0.026%

					rteres.txt			
247	13.771	13.757	13.800	VV	2269	43183	0.52%	0.011%
248	13.822	13.800	13.833	VV	2364	36157	0.44%	0.009%
249	13.880	13.833	13.894	VV	2872	90548	1.10%	0.023%
250	13.929	13.894	13.943	VV	4665	105602	1.28%	0.027%
251	13.958	13.943	13.979	VV	4230	65365	0.79%	0.017%
252	13.986	13.979	14.004	VV	1802	23753	0.29%	0.006%
253	14.039	14.004	14.077	VV	6498	162301	1.97%	0.042%
254	14.097	14.077	14.112	VV	5418	90400	1.10%	0.023%
255	14.124	14.112	14.153	VV	4204	89179	1.08%	0.023%
256	14.176	14.153	14.207	VV	5131	111071	1.35%	0.029%
257	14.223	14.207	14.245	VV	2833	58393	0.71%	0.015%
258	14.266	14.245	14.280	VV	4393	74722	0.91%	0.019%
259	14.298	14.280	14.357	VV	4109	151838	1.84%	0.039%
260	14.488	14.357	14.506	VV	9736	410808	4.99%	0.105%
261	14.526	14.506	14.554	VV	11318	234116	2.84%	0.060%
262	14.577	14.554	14.602	VV	11813	207027	2.51%	0.053%
263	14.623	14.602	14.632	VV	6656	104751	1.27%	0.027%
264	14.641	14.632	14.662	VV	7032	110311	1.34%	0.028%
265	14.677	14.662	14.699	VV	6394	133368	1.62%	0.034%
266	14.709	14.699	14.757	VV	6668	200765	2.44%	0.052%
267	14.808	14.757	14.830	VV	6717	260032	3.16%	0.067%
268	14.887	14.830	14.904	VV	6670	279784	3.40%	0.072%
269	14.953	14.904	15.027	VV	23025	826064	10.03%	0.212%
270	15.038	15.027	15.045	VV	8355	85110	1.03%	0.022%
271	15.094	15.045	15.120	VV	12417	432712	5.25%	0.111%
272	15.154	15.120	15.177	VV	14570	400879	4.87%	0.103%
273	15.190	15.177	15.229	VV	13183	329588	4.00%	0.085%
274	15.241	15.229	15.249	VV	9440	111079	1.35%	0.029%
275	15.299	15.249	15.310	VV	12469	408422	4.96%	0.105%
276	15.328	15.310	15.353	VV	13599	320812	3.90%	0.082%
277	15.363	15.353	15.377	VV	11817	163334	1.98%	0.042%
278	15.404	15.377	15.417	VV	12460	279470	3.39%	0.072%
279	15.485	15.417	15.507	VV	15070	722707	8.78%	0.185%
280	15.518	15.507	15.535	VV	14340	241055	2.93%	0.062%
281	15.545	15.535	15.553	VV	14776	150755	1.83%	0.039%
282	15.593	15.553	15.642	VV	24736	930313	11.30%	0.239%
283	15.660	15.642	15.672	VV	15781	280281	3.40%	0.072%
284	15.685	15.672	15.696	VV	15728	218122	2.65%	0.056%
285	15.703	15.696	15.717	VV	15943	199642	2.42%	0.051%
286	15.758	15.717	15.782	VV	21814	727852	8.84%	0.187%
287	15.791	15.782	15.810	VV	18671	290656	3.53%	0.075%
288	15.843	15.810	15.857	VV	21592	555339	6.74%	0.143%
289	15.869	15.857	15.880	VV	21163	282677	3.43%	0.073%
290	15.925	15.880	15.936	VV	21533	681742	8.28%	0.175%
291	15.957	15.936	15.982	VV	25970	627150	7.62%	0.161%
292	16.037	15.982	16.057	VV	31345	1101352	13.37%	0.283%
293	16.073	16.057	16.112	VV	31674	890617	10.81%	0.229%
294	16.136	16.112	16.149	VV	28306	571596	6.94%	0.147%
295	16.170	16.149	16.194	VV	29691	745485	9.05%	0.191%
296	16.210	16.194	16.224	VV	29708	510689	6.20%	0.131%
297	16.250	16.224	16.284	VV	30979	1014603	12.32%	0.260%
298	16.329	16.284	16.340	VV	32580	1001565	12.16%	0.257%
299	16.356	16.340	16.390	VV	36975	1001132	12.16%	0.257%

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300	16.415	16.390	16.436	VV	38486	925383	11.24%	0.237%
301	16.446	16.436	16.457	VV	34036	414212	5.03%	0.106%
302	16.478	16.457	16.494	VV	36222	716497	8.70%	0.184%
303	16.536	16.494	16.561	VV	51775	1636622	19.87%	0.420%
304	16.576	16.561	16.596	VV	41189	797174	9.68%	0.205%
305	16.616	16.596	16.632	VV	36240	774181	9.40%	0.199%
306	16.654	16.632	16.660	VV	36874	597896	7.26%	0.153%
307	16.713	16.660	16.726	VV	40861	1529745	18.58%	0.393%
308	16.750	16.726	16.791	VV	45083	1624140	19.72%	0.417%
309	16.827	16.791	16.847	VV	48669	1496392	18.17%	0.384%
310	16.865	16.847	16.877	VV	44879	769829	9.35%	0.198%
311	16.908	16.877	16.958	VV	56002	2303164	27.97%	0.591%
312	16.989	16.958	17.010	VV	58382	1561313	18.96%	0.401%
313	17.070	17.010	17.094	VV	53572	2513910	30.53%	0.645%
314	17.138	17.094	17.162	VV	56303	2080395	25.26%	0.534%
315	17.176	17.162	17.197	VV	50168	1026138	12.46%	0.263%
316	17.214	17.197	17.223	VV	50004	746853	9.07%	0.192%
317	17.245	17.223	17.266	VV	54914	1337436	16.24%	0.343%
318	17.309	17.266	17.319	VV	56139	1683209	20.44%	0.432%
319	17.326	17.319	17.347	VV	58045	934066	11.34%	0.240%
320	17.381	17.347	17.398	VV	59926	1788661	21.72%	0.459%
321	17.428	17.398	17.467	VV	73150	2550261	30.97%	0.654%
322	17.528	17.467	17.611	VV	85572	5537705	67.25%	1.421%
323	17.632	17.611	17.657	VV	61837	1675715	20.35%	0.430%
324	17.723	17.657	17.741	VV	68233	3208757	38.96%	0.823%
325	17.784	17.741	17.812	VV	74847	2933947	35.63%	0.753%
326	17.847	17.812	17.871	VV	79718	2502383	30.39%	0.642%
327	17.896	17.871	17.919	VV	94868	2316588	28.13%	0.595%
328	17.927	17.919	17.944	VV	73323	1068727	12.98%	0.274%
329	17.981	17.944	18.000	VV	73331	2367039	28.74%	0.607%
330	18.046	18.000	18.070	VV	76018	3035472	36.86%	0.779%
331	18.087	18.070	18.109	VV	71645	1636660	19.87%	0.420%
332	18.124	18.109	18.158	VV	75620	2115648	25.69%	0.543%
333	18.178	18.158	18.194	VV	74944	1534718	18.64%	0.394%
334	18.210	18.194	18.226	VV	76787	1421478	17.26%	0.365%
335	18.252	18.226	18.277	VV	87171	2510067	30.48%	0.644%
336	18.286	18.277	18.297	VV	78306	910621	11.06%	0.234%
337	18.317	18.297	18.336	VV	91072	1969210	23.91%	0.505%
338	18.371	18.336	18.434	VV	92493	4835630	58.72%	1.241%
339	18.502	18.434	18.534	VV	87358	4957606	60.20%	1.272%
340	18.554	18.534	18.582	VV	87787	2391478	29.04%	0.614%
341	18.596	18.582	18.615	VV	89890	1679774	20.40%	0.431%
342	18.647	18.615	18.683	VV	109902	3817280	46.35%	0.980%
343	18.717	18.683	18.752	VV	96520	3715520	45.12%	0.954%
344	18.818	18.752	18.827	VV	94316	4009488	48.69%	1.029%
345	18.838	18.827	18.878	VV	93525	2832146	34.39%	0.727%
346	18.900	18.878	18.912	VV	93087	1838920	22.33%	0.472%
347	18.933	18.912	18.960	VV	95042	2631898	31.96%	0.675%
348	18.970	18.960	18.980	VV	93202	1134617	13.78%	0.291%
349	19.033	18.980	19.077	VV	117649	5903304	71.68%	1.515%
350	19.096	19.077	19.104	VV	100899	1584903	19.25%	0.407%
351	19.125	19.104	19.143	VV	110196	2421572	29.41%	0.621%

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352	19.154	19.143	19.166	VV	102168	1329743	16.15%	0.341%
353	19.216	19.166	19.246	VV	104945	4879561	59.25%	1.252%
354	19.260	19.246	19.272	VV	104958	1595488	19.37%	0.409%
355	19.284	19.272	19.319	VV	105886	2911188	35.35%	0.747%
356	19.342	19.319	19.362	VV	114249	2809305	34.11%	0.721%
357	19.371	19.362	19.377	VV	109453	971546	11.80%	0.249%
358	19.384	19.377	19.390	VV	111201	848407	10.30%	0.218%
359	19.409	19.390	19.492	VV	123067	6902238	83.81%	1.771%
360	19.537	19.492	19.559	VV	119434	4499841	54.64%	1.155%
361	19.578	19.559	19.604	VV	117599	3080164	37.40%	0.790%
362	19.648	19.604	19.669	VV	124674	4700178	57.07%	1.206%
363	19.684	19.669	19.704	VV	123291	2505603	30.43%	0.643%
364	19.717	19.704	19.746	VV	124663	3007277	36.52%	0.772%
365	19.768	19.746	19.790	VV	132630	3388626	41.15%	0.870%
366	19.811	19.790	19.847	VV	130239	4234470	51.42%	1.087%
367	19.875	19.847	19.890	VV	131518	3256695	39.55%	0.836%
368	19.935	19.890	19.949	VV	133409	4507616	54.74%	1.157%
369	19.958	19.949	19.976	VV	133357	2098325	25.48%	0.538%
370	19.994	19.976	20.010	VV	132482	2714261	32.96%	0.697%
371	20.036	20.010	20.060	VV	133923	3858502	46.85%	0.990%
372	20.082	20.060	20.101	VV	132846	3149578	38.25%	0.808%
373	20.130	20.101	20.166	VV	143433	5337023	64.81%	1.370%
374	20.176	20.166	20.189	VV	136983	1844982	22.40%	0.473%
375	20.205	20.189	20.226	VV	141728	3060000	37.16%	0.785%
376	20.238	20.226	20.258	VV	141679	2732038	33.18%	0.701%
377	20.275	20.258	20.296	VV	139560	3110314	37.77%	0.798%
378	20.318	20.296	20.328	VV	143465	2676137	32.50%	0.687%
379	20.350	20.328	20.376	VV	146438	4022749	48.85%	1.032%
380	20.390	20.376	20.442	VV	142206	5592440	67.91%	1.435%
381	20.468	20.442	20.514	VV	148885	5998987	72.85%	1.540%
382	20.535	20.514	20.553	VV	133163	3055639	37.11%	0.784%
383	20.579	20.553	20.603	VV	133990	3899734	47.35%	1.001%
384	20.635	20.603	20.659	VV	132554	4374441	53.12%	1.123%
385	20.677	20.659	20.709	VV	132030	3891066	47.25%	0.999%
386	20.720	20.709	20.739	VV	133156	2348123	28.51%	0.603%
387	20.759	20.739	20.804	VV	130382	4904108	59.55%	1.259%
388	20.816	20.804	20.829	VV	123256	1825669	22.17%	0.469%
389	20.852	20.829	20.907	VV	124563	5623181	68.28%	1.443%
390	20.919	20.907	20.929	VV	118135	1516472	18.41%	0.389%
391	20.936	20.929	20.946	VV	118130	1179903	14.33%	0.303%
392	20.963	20.946	20.970	VV	116243	1686944	20.48%	0.433%
393	20.979	20.970	20.987	VV	116480	1162927	14.12%	0.298%
394	20.998	20.987	21.023	VV	115171	2406549	29.22%	0.618%
395	21.054	21.023	21.082	VV	117930	4100971	49.80%	1.052%
396	21.106	21.082	21.152	VV	117234	4666802	56.67%	1.198%
397	21.163	21.152	21.194	VV	108459	2675790	32.49%	0.687%
398	21.207	21.194	21.221	VV	106687	1648144	20.01%	0.423%
399	21.272	21.221	21.352	VV	112738	8235112	100.00%	2.113%
400	21.364	21.352	21.372	VV	101937	1223765	14.86%	0.314%
401	21.388	21.372	21.427	VV	104788	3375253	40.99%	0.866%
402	21.438	21.427	21.456	VV	102581	1698098	20.62%	0.436%
403	21.491	21.456	21.518	VV	104227	3662119	44.47%	0.940%
404	21.536	21.518	21.555	VV	96207	2104496	25.56%	0.540%

					rteres.txt			
405	21.566	21.555	21.579	VV	94156	1334030	16.20%	0.342%
406	21.591	21.579	21.636	VV	93410	3058553	37.14%	0.785%
407	21.682	21.636	21.696	VV	89956	3170936	38.51%	0.814%
408	21.704	21.696	21.714	VV	91185	976875	11.86%	0.251%
409	21.750	21.714	21.761	VV	95675	2589935	31.45%	0.665%
410	21.767	21.761	21.809	VV	97165	2604254	31.62%	0.668%
411	21.849	21.809	21.881	VV	88265	3689474	44.80%	0.947%
412	21.893	21.881	21.906	VV	86263	1265189	15.36%	0.325%
413	21.913	21.906	21.941	VV	84774	1723524	20.93%	0.442%
414	21.961	21.941	21.971	VV	84884	1512374	18.36%	0.388%
415	21.984	21.971	22.042	VV	84088	3370823	40.93%	0.865%
416	22.059	22.042	22.097	VV	77626	2476003	30.07%	0.635%
417	22.105	22.097	22.116	VV	74680	826351	10.03%	0.212%
418	22.154	22.116	22.214	VV	78884	4467944	54.25%	1.147%
419	22.252	22.214	22.261	VV	77158	2112236	25.65%	0.542%
420	22.289	22.261	22.399	VV	77743	6055881	73.54%	1.554%
421	22.417	22.399	22.426	VV	69105	1084359	13.17%	0.278%
422	22.455	22.426	22.506	VV	71725	3244431	39.40%	0.833%
423	22.519	22.506	22.562	VV	68107	2168284	26.33%	0.556%
424	22.575	22.562	22.586	VV	63717	891326	10.82%	0.229%
425	22.597	22.586	22.636	VV	62216	1811866	22.00%	0.465%
426	22.649	22.636	22.659	VV	60092	841359	10.22%	0.216%
427	22.677	22.659	22.687	VV	62336	1025088	12.45%	0.263%
428	22.706	22.687	22.718	VV	62892	1141811	13.87%	0.293%
429	22.747	22.718	22.759	VV	64099	1516075	18.41%	0.389%
430	22.771	22.759	22.784	VV	62848	920114	11.17%	0.236%
431	22.804	22.784	22.812	VV	63365	1036195	12.58%	0.266%
432	22.819	22.812	22.875	VV	63576	2246551	27.28%	0.577%
433	22.904	22.875	22.916	VV	61780	1468140	17.83%	0.377%
434	22.926	22.916	22.940	VV	62050	866756	10.53%	0.222%
435	22.948	22.940	22.993	VBA	60684	1799640	21.85%	0.462%

Sum of corrected areas: 389664953

Alaphatic EPH 111318.M Mon Dec 10 11:35:29 2018