

rteres

Instrument :

FID_F

ClientSampleId :

MW-24-20231204-2.0-3.0-A

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF

Data File : FF013816.D

Signal(s) : FID2B.ch

Acq On : 11 Dec 2023 12:22

Sample : 05716-05

Misc :

ALS Vial : 63 Sample Multiplier: 1

Reviewed By :Yogesh Patel 12/12/2023
Supervised By :Ankita Jodhani 12/12/2023

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF120523.M

Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.932	1.912	1.953	BV	412	804	0.03%	0.001%
2	1.959	1.953	1.967	VV	116	544	0.02%	0.001%
3	1.969	1.967	1.979	VV	60	424	0.02%	0.001%
4	1.998	1.979	2.055	VV	241	4942	0.20%	0.008%
5	2.074	2.055	2.105	PV	274	4212	0.17%	0.007%
6	2.110	2.105	2.134	VV	192	1746	0.07%	0.003%
7	2.139	2.134	2.145	PV	123	558	0.02%	0.001%
8	2.149	2.145	2.160	VV	106	745	0.03%	0.001%
9	2.195	2.160	2.204	VV	344	4771	0.19%	0.008%
10	2.217	2.204	2.243	VV	480	7005	0.28%	0.011%
11	2.246	2.243	2.250	VV	162	484	0.02%	0.001%
12	2.259	2.250	2.265	VV	189	1343	0.05%	0.002%
13	2.285	2.265	2.335	VV	1484	20726	0.82%	0.033%
14	2.352	2.335	2.382	VV	495	8414	0.33%	0.013%
15	2.388	2.382	2.394	VV	142	877	0.03%	0.001%
16	2.407	2.394	2.430	VV	258	3189	0.13%	0.005%
17	2.434	2.430	2.440	VV	207	884	0.04%	0.001%
18	2.445	2.440	2.473	VV	170	2199	0.09%	0.003%
19	2.479	2.473	2.489	VV	147	1114	0.04%	0.002%
20	2.494	2.489	2.502	VV	128	684	0.03%	0.001%
21	2.513	2.502	2.522	VV	133	1006	0.04%	0.002%
22	2.531	2.522	2.541	PV	127	836	0.03%	0.001%
23	2.570	2.541	2.595	VV	243	4353	0.17%	0.007%
24	2.601	2.595	2.616	VV	144	1331	0.05%	0.002%
25	2.621	2.616	2.639	VV	150	1564	0.06%	0.002%
26	2.642	2.639	2.649	VV	135	609	0.02%	0.001%
27	2.681	2.649	2.724	VV	514	11093	0.44%	0.018%
28	2.727	2.724	2.736	VV	232	1103	0.04%	0.002%
29	2.746	2.736	2.754	VV	212	1784	0.07%	0.003%
30	2.767	2.754	2.783	VV	318	3944	0.16%	0.006%
31	2.786	2.783	2.798	VV	207	1631	0.06%	0.003%

32	2.802	2.798	2.814	VV	304	2093	0.08%	0.003%
33	2.840	2.814	2.862	VV	534	873		
34	2.881	2.862	2.892	VV	398	553		
35	2.897	2.892	2.919	VV	323	436		
36	2.924	2.919	2.929	VV	287	149		
37	2.952	2.929	2.982	VV	530	9673	0.38%	0.015%
38	3.003	2.982	3.012	VV	324	3931	0.16%	0.006%
39	3.015	3.012	3.029	VV	210	1839	0.07%	0.003%
40	3.034	3.029	3.041	VV	252	1700	0.07%	0.003%
41	3.046	3.041	3.059	VV	257	2421	0.10%	0.004%
42	3.070	3.059	3.098	VV	310	3755	0.15%	0.006%
43	3.120	3.098	3.166	VV	1440	22225	0.88%	0.035%
44	3.175	3.166	3.180	VV	258	1756	0.07%	0.003%
45	3.185	3.180	3.211	VV	333	4189	0.17%	0.007%
46	3.227	3.211	3.239	VV	310	3510	0.14%	0.006%
47	3.263	3.239	3.278	VV	587	8475	0.34%	0.013%
48	3.282	3.278	3.302	VV	377	4143	0.16%	0.007%
49	3.307	3.302	3.313	VV	281	1506	0.06%	0.002%
50	3.324	3.313	3.346	VV	525	7705	0.31%	0.012%
51	3.350	3.346	3.365	VV	412	3806	0.15%	0.006%
52	3.377	3.365	3.381	VV	352	2922	0.12%	0.005%
53	3.384	3.381	3.397	VV	294	2303	0.09%	0.004%
54	3.401	3.397	3.415	VV	266	2420	0.10%	0.004%
55	3.437	3.415	3.445	VV	328	4524	0.18%	0.007%
56	3.457	3.445	3.464	VV	341	3110	0.12%	0.005%
57	3.477	3.464	3.483	VV	290	3263	0.13%	0.005%
58	3.494	3.483	3.507	VV	349	4186	0.17%	0.007%
59	3.511	3.507	3.525	VV	303	2809	0.11%	0.004%
60	3.529	3.525	3.563	VV	269	4645	0.18%	0.007%
61	3.606	3.563	3.634	VV	586	15097	0.60%	0.024%
62	3.639	3.634	3.643	VV	244	1266	0.05%	0.002%
63	3.654	3.643	3.675	VV	331	4584	0.18%	0.007%
64	3.678	3.675	3.696	VV	266	2735	0.11%	0.004%
65	3.715	3.696	3.745	VV	502	9355	0.37%	0.015%
66	3.749	3.745	3.759	VV	276	1615	0.06%	0.003%
67	3.772	3.759	3.786	VV	249	3206	0.13%	0.005%
68	3.808	3.786	3.831	VV	358	7313	0.29%	0.012%
69	3.849	3.831	3.865	VV	455	6995	0.28%	0.011%
70	3.869	3.865	3.889	VV	332	3784	0.15%	0.006%
71	3.897	3.889	3.925	VV	476	6154	0.24%	0.010%
72	3.950	3.925	3.975	VV	372	7864	0.31%	0.012%
73	3.977	3.975	3.987	VV	279	1639	0.07%	0.003%
74	3.990	3.987	3.998	VV	261	1202	0.05%	0.002%
75	4.000	3.998	4.014	VV	199	1350	0.05%	0.002%
76	4.058	4.014	4.084	VV	2010	28740	1.14%	0.046%
77	4.099	4.084	4.136	VV	596	13912	0.55%	0.022%
78	4.155	4.136	4.191	VV	378	10263	0.41%	0.016%
79	4.194	4.191	4.205	VV	263	2112	0.08%	0.003%

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80	4.208	4.205	4.224	VV	309	2935	0.12%	0.005%
81	4.242	4.224	4.266	VV	551	1183		
82	4.279	4.266	4.312	VV	868	1424		
83	4.323	4.312	4.343	VV	495	744		
84	4.346	4.343	4.377	VV	432	549		
85	4.395	4.377	4.424	VV	473	8181	0.33%	0.013%
86	4.442	4.424	4.472	VV	496	9043	0.36%	0.014%
87	4.475	4.472	4.484	VV	269	1476	0.06%	0.002%
88	4.518	4.484	4.575	VV	1231	29988	1.19%	0.048%
89	4.594	4.575	4.635	VV	347	8343	0.33%	0.013%
90	4.644	4.635	4.656	VV	239	1831	0.07%	0.003%
91	4.683	4.656	4.718	VV	1004	14169	0.56%	0.022%
92	4.721	4.718	4.745	VV	303	4036	0.16%	0.006%
93	4.747	4.745	4.754	VV	282	1385	0.06%	0.002%
94	4.757	4.754	4.787	VV	291	3832	0.15%	0.006%
95	4.803	4.787	4.816	VV	443	5247	0.21%	0.008%
96	4.821	4.816	4.843	VV	261	2678	0.11%	0.004%
97	4.852	4.843	4.858	VV	205	1105	0.04%	0.002%
98	4.881	4.858	4.887	VV	419	4404	0.18%	0.007%
99	4.891	4.887	4.908	VV	436	3978	0.16%	0.006%
100	4.926	4.908	4.945	VV	406	6959	0.28%	0.011%
101	4.957	4.945	4.969	VV	348	4354	0.17%	0.007%
102	4.979	4.969	4.999	VV	425	4858	0.19%	0.008%
103	5.023	4.999	5.041	VV	399	6454	0.26%	0.010%
104	5.046	5.041	5.067	VV	207	2537	0.10%	0.004%
105	5.070	5.067	5.080	VV	219	1284	0.05%	0.002%
106	5.087	5.080	5.095	VV	200	1503	0.06%	0.002%
107	5.126	5.095	5.140	VV	465	8071	0.32%	0.013%
108	5.156	5.140	5.184	VV	335	6390	0.25%	0.010%
109	5.223	5.184	5.242	VV	282	7099	0.28%	0.011%
110	5.247	5.242	5.252	VV	150	546	0.02%	0.001%
111	5.268	5.252	5.279	VV	299	3266	0.13%	0.005%
112	5.286	5.279	5.309	VV	289	3491	0.14%	0.006%
113	5.333	5.309	5.369	VV	460	8309	0.33%	0.013%
114	5.388	5.369	5.398	VV	182	2023	0.08%	0.003%
115	5.420	5.398	5.438	VV	200	3222	0.13%	0.005%
116	5.455	5.438	5.486	VV	942	12194	0.48%	0.019%
117	5.495	5.486	5.514	VV	304	3445	0.14%	0.005%
118	5.525	5.514	5.561	VV	234	3101	0.12%	0.005%
119	5.566	5.561	5.574	VV	160	669	0.03%	0.001%
120	5.587	5.574	5.615	VV	197	2417	0.10%	0.004%
121	5.622	5.615	5.632	VV	120	772	0.03%	0.001%
122	5.654	5.632	5.672	VV	688	9307	0.37%	0.015%
123	5.687	5.672	5.701	VV	1384	15783	0.63%	0.025%
124	5.709	5.701	5.730	VV	751	8851	0.35%	0.014%
125	5.752	5.730	5.796	VV	1188	17886	0.71%	0.028%
126	5.807	5.796	5.821	VV	258	2680	0.11%	0.004%

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127	5.833	5.821	5.869	VV	435	8130	0.32%	0.013%
128	5.899	5.869	5.935	VV	472	982		
129	5.938	5.935	5.943	VV	167	66		
130	5.958	5.943	6.005	VV	382	653		
131	6.035	6.005	6.044	VV	299	423		
132	6.049	6.044	6.053	VV	322	1179	0.05%	0.002%
133	6.058	6.053	6.073	VV	315	2986	0.12%	0.005%
134	6.086	6.073	6.109	VV	325	5074	0.20%	0.008%
135	6.124	6.109	6.152	VV	228	4056	0.16%	0.006%
136	6.159	6.152	6.165	VV	217	1176	0.05%	0.002%
137	6.180	6.165	6.201	VV	324	4775	0.19%	0.008%
138	6.219	6.201	6.312	VV	1262	26210	1.04%	0.042%
139	6.325	6.312	6.353	VV	270	3975	0.16%	0.006%
140	6.371	6.353	6.376	VV	277	2288	0.09%	0.004%
141	6.400	6.376	6.434	VV	757	11647	0.46%	0.018%
142	6.446	6.434	6.458	VV	221	2023	0.08%	0.003%
143	6.471	6.458	6.492	VV	290	4368	0.17%	0.007%
144	6.517	6.492	6.532	VV	635	8855	0.35%	0.014%
145	6.536	6.532	6.562	VV	394	5041	0.20%	0.008%
146	6.571	6.562	6.576	VV	287	2039	0.08%	0.003%
147	6.581	6.576	6.611	VV	357	4948	0.20%	0.008%
148	6.622	6.611	6.635	VV	195	2179	0.09%	0.003%
149	6.638	6.635	6.662	VV	258	1957	0.08%	0.003%
150	6.683	6.662	6.725	PV	691	9411	0.37%	0.015%
151	6.729	6.725	6.741	VV	98	685	0.03%	0.001%
152	6.759	6.741	6.779	VV	371	5016	0.20%	0.008%
153	6.803	6.779	6.823	VV	2434	29853	1.19%	0.047%
154	6.835	6.823	6.863	VV	735	10336	0.41%	0.016%
155	6.871	6.863	6.881	VV	300	2468	0.10%	0.004%
156	6.887	6.881	6.922	VV	363	4628	0.18%	0.007%
157	6.941	6.922	6.952	VV	385	3964	0.16%	0.006%
158	6.958	6.952	6.985	VV	197	2494	0.10%	0.004%
159	7.007	6.985	7.032	VV	343	5542	0.22%	0.009%
160	7.037	7.032	7.050	VV	162	1403	0.06%	0.002%
161	7.055	7.050	7.062	VV	175	884	0.04%	0.001%
162	7.071	7.062	7.112	VV	218	4666	0.19%	0.007%
163	7.121	7.112	7.138	VV	193	2122	0.08%	0.003%
164	7.162	7.138	7.179	VV	403	6953	0.28%	0.011%
165	7.182	7.179	7.188	VV	373	1965	0.08%	0.003%
166	7.193	7.188	7.202	VV	395	2889	0.11%	0.005%
167	7.210	7.202	7.236	VV	437	6702	0.27%	0.011%
168	7.253	7.236	7.280	VV	400	7013	0.28%	0.011%
169	7.311	7.280	7.329	VV	693	12166	0.48%	0.019%
170	7.352	7.329	7.381	VV	1158	21702	0.86%	0.034%
171	7.401	7.381	7.431	VV	966	12996	0.52%	0.021%
172	7.451	7.431	7.479	VV	460	7998	0.32%	0.013%
173	7.481	7.479	7.492	VV	223	1359	0.05%	0.002%
174	7.501	7.492	7.509	VV	249	1904	0.08%	0.003%

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175	7.511	7.509	7.516	VV	199	666	0.03%	0.001%
176	7.523	7.516	7.532	VV	153	126		
177	7.534	7.532	7.553	VV	173	118		
178	7.571	7.553	7.592	VV	202	323		
179	7.627	7.592	7.651	VV	1153	1449		
180	7.678	7.651	7.694	VV	211	3206	0.13%	0.005%
181	7.703	7.694	7.730	VV	186	2566	0.10%	0.004%
182	7.751	7.730	7.779	VV	282	5204	0.21%	0.008%
183	7.800	7.779	7.826	VV	328	5336	0.21%	0.008%
184	7.830	7.826	7.840	VV	121	684	0.03%	0.001%
185	7.845	7.840	7.860	VV	142	1135	0.05%	0.002%
186	7.873	7.860	7.888	PV	142	1424	0.06%	0.002%
187	7.890	7.888	7.894	VV	107	270	0.01%	0.000%
188	7.914	7.894	7.930	VV	357	4143	0.16%	0.007%
189	7.933	7.930	7.938	VV	151	592	0.02%	0.001%
190	7.945	7.938	7.955	VV	147	803	0.03%	0.001%
191	7.970	7.955	7.984	PV	261	2683	0.11%	0.004%
192	7.988	7.984	7.998	VV	131	681	0.03%	0.001%
193	8.001	7.998	8.019	VV	110	730	0.03%	0.001%
194	8.054	8.019	8.072	VV	563	9789	0.39%	0.016%
195	8.086	8.072	8.099	VV	490	6292	0.25%	0.010%
196	8.112	8.099	8.137	VV	445	5871	0.23%	0.009%
197	8.156	8.137	8.175	VV	340	4407	0.18%	0.007%
198	8.201	8.175	8.230	VV	728	11251	0.45%	0.018%
199	8.255	8.230	8.295	VV	396	8937	0.36%	0.014%
200	8.327	8.295	8.362	VV	938	14262	0.57%	0.023%
201	8.384	8.362	8.388	VV	309	3321	0.13%	0.005%
202	8.394	8.388	8.403	VV	355	2667	0.11%	0.004%
203	8.425	8.403	8.442	VV	620	9151	0.36%	0.015%
204	8.455	8.442	8.470	VV	365	4644	0.18%	0.007%
205	8.507	8.470	8.531	VV	3469	44447	1.77%	0.070%
206	8.538	8.531	8.545	VV	323	2244	0.09%	0.004%
207	8.551	8.545	8.572	VV	386	5279	0.21%	0.008%
208	8.579	8.572	8.586	VV	351	2472	0.10%	0.004%
209	8.612	8.586	8.649	VV	1658	29984	1.19%	0.048%
210	8.663	8.649	8.689	VV	673	9491	0.38%	0.015%
211	8.703	8.689	8.717	VV	255	2606	0.10%	0.004%
212	8.748	8.717	8.770	VV	231	3645	0.14%	0.006%
213	8.779	8.770	8.784	VV	177	947	0.04%	0.002%
214	8.791	8.784	8.809	VV	135	1345	0.05%	0.002%
215	8.819	8.809	8.827	PV	94	589	0.02%	0.001%
216	8.867	8.827	8.884	PV	402	5232	0.21%	0.008%
217	8.908	8.884	8.946	VV	1487	22686	0.90%	0.036%
218	8.962	8.946	8.994	VV	638	13338	0.53%	0.021%
219	9.018	8.994	9.034	VV	1055	19254	0.77%	0.031%
220	9.046	9.034	9.083	VV	1115	15452	0.61%	0.024%
221	9.107	9.083	9.143	VV	910	15410	0.61%	0.024%

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222	9.155	9.143	9.173	VV	427	5233	0.21%	0.008%
223	9.184	9.173	9.209	VV	433	616		
224	9.212	9.209	9.216	VV	203	59		
225	9.249	9.216	9.269	VV	431	889		
226	9.273	9.269	9.290	VV	241	236		
227	9.333	9.290	9.348	VV	1133	17566	0.70%	0.028%
228	9.365	9.348	9.375	VV	2088	22812	0.91%	0.036%
229	9.385	9.375	9.409	VV	2020	22233	0.88%	0.035%
230	9.415	9.409	9.436	PV	134	1602	0.06%	0.003%
231	9.477	9.436	9.494	VV	769	9869	0.39%	0.016%
232	9.511	9.494	9.548	VV	401	6086	0.24%	0.010%
233	9.562	9.548	9.580	VV	306	2890	0.11%	0.005%
234	9.612	9.580	9.634	PV	280	3721	0.15%	0.006%
235	9.658	9.634	9.684	PV	2271	30059	1.19%	0.048%
236	9.699	9.684	9.748	VV	1274	29202	1.16%	0.046%
237	9.755	9.748	9.763	VV	366	2990	0.12%	0.005%
238	9.778	9.763	9.791	VV	496	6737	0.27%	0.011%
239	9.798	9.791	9.820	VV	460	5575	0.22%	0.009%
240	9.844	9.820	9.864	VV	651	10812	0.43%	0.017%
241	9.877	9.864	9.882	VV	331	3274	0.13%	0.005%
242	9.903	9.882	9.914	VV	394	6220	0.25%	0.010%
243	9.942	9.914	9.967	VV	478	10844	0.43%	0.017%
244	9.984	9.967	10.005	VV	431	6950	0.28%	0.011%
245	10.028	10.005	10.041	VV	589	10000	0.40%	0.016%
246	10.055	10.041	10.071	VV	772	11786	0.47%	0.019%
247	10.077	10.071	10.094	VV	723	7723	0.31%	0.012%
248	10.116	10.094	10.135	VV	1814	27205	1.08%	0.043%
249	10.138	10.135	10.168	VV	790	11631	0.46%	0.018%
250	10.219	10.168	10.250	VV	903	32142	1.28%	0.051%
251	10.287	10.250	10.297	VV	740	17218	0.68%	0.027%
252	10.319	10.297	10.336	VV	963	18399	0.73%	0.029%
253	10.341	10.336	10.354	VV	701	6857	0.27%	0.011%
254	10.377	10.354	10.381	VV	874	11825	0.47%	0.019%
255	10.386	10.381	10.400	VV	862	9168	0.36%	0.015%
256	10.414	10.400	10.427	VV	1023	14932	0.59%	0.024%
257	10.446	10.427	10.454	VV	1270	17415	0.69%	0.028%
258	10.476	10.454	10.484	VV	1271	21730	0.86%	0.034%
259	10.504	10.484	10.530	VV	1766	41548	1.65%	0.066%
260	10.553	10.530	10.570	VV	1970	39772	1.58%	0.063%
261	10.586	10.570	10.605	VV	2023	39462	1.57%	0.063%
262	10.621	10.605	10.638	VV	1987	36652	1.46%	0.058%
263	10.644	10.638	10.664	VV	1952	29588	1.18%	0.047%
264	10.700	10.664	10.732	VV	2489	86600	3.44%	0.137%
265	10.753	10.732	10.769	VV	2830	55056	2.19%	0.087%
266	10.789	10.769	10.793	VV	2623	36375	1.45%	0.058%
267	10.826	10.793	10.843	VV	3749	94442	3.75%	0.150%
268	10.855	10.843	10.881	VV	3613	77512	3.08%	0.123%
269	10.927	10.881	10.947	VV	4231	148737	5.91%	0.236%

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270	10.952	10.947	10.965	VV	3679	40646	1.62%	0.064%
271	10.974	10.965	10.979	VV	3690	3066		
272	10.989	10.979	11.008	VV	3813	6256		
273	11.017	11.008	11.035	VV	4025	6322		
274	11.050	11.035	11.057	VV	3889	4939		
275	11.069	11.057	11.073	VV	4035	37321	1.48%	0.059%
276	11.101	11.073	11.119	VV	17023	258862	10.29%	0.410%
277	11.128	11.119	11.158	VV	7731	151883	6.04%	0.241%
278	11.177	11.158	11.210	VV	8273	199174	7.92%	0.316%
279	11.236	11.210	11.257	VV	5747	154220	6.13%	0.245%
280	11.281	11.257	11.301	VV	5793	143918	5.72%	0.228%
281	11.342	11.301	11.351	VV	6108	171907	6.83%	0.273%
282	11.396	11.351	11.433	VV	7189	315087	12.52%	0.500%
283	11.470	11.433	11.475	VV	7034	170131	6.76%	0.270%
284	11.497	11.475	11.504	VV	7182	122983	4.89%	0.195%
285	11.508	11.504	11.515	VV	7294	47076	1.87%	0.075%
286	11.531	11.515	11.543	VV	7634	125807	5.00%	0.199%
287	11.556	11.543	11.576	VV	8551	161780	6.43%	0.257%
288	11.635	11.576	11.662	VV	9909	447765	17.80%	0.710%
289	11.680	11.662	11.686	VV	8738	120351	4.78%	0.191%
290	11.713	11.686	11.741	VV	11927	323875	12.87%	0.514%
291	11.758	11.741	11.776	VV	9368	188936	7.51%	0.300%
292	11.821	11.776	11.839	VV	11405	378090	15.03%	0.599%
293	11.854	11.839	11.878	VV	10915	246227	9.79%	0.390%
294	11.905	11.878	11.917	VV	11667	258029	10.26%	0.409%
295	11.936	11.917	11.955	VV	13642	277605	11.03%	0.440%
296	11.973	11.955	11.990	VV	12424	245725	9.77%	0.390%
297	12.020	11.990	12.036	VV	14020	357705	14.22%	0.567%
298	12.053	12.036	12.065	VV	13765	221753	8.81%	0.352%
299	12.083	12.065	12.106	VV	14205	323830	12.87%	0.513%
300	12.112	12.106	12.135	VV	12711	218280	8.68%	0.346%
301	12.138	12.135	12.146	VV	11922	76692	3.05%	0.122%
302	12.171	12.146	12.194	VV	13666	364600	14.49%	0.578%
303	12.198	12.194	12.202	VV	13211	62624	2.49%	0.099%
304	12.230	12.202	12.249	VV	14035	389764	15.49%	0.618%
305	12.263	12.249	12.273	VV	14020	198479	7.89%	0.315%
306	12.299	12.273	12.304	VV	14246	257838	10.25%	0.409%
307	12.320	12.304	12.351	VV	16186	431807	17.16%	0.685%
308	12.375	12.351	12.418	VV	15724	588090	23.37%	0.932%
309	12.480	12.418	12.528	VV	133029	2486248	98.82%	3.942%
310	12.535	12.528	12.574	VV	19071	484945	19.27%	0.769%
311	12.580	12.574	12.603	VV	16506	278243	11.06%	0.441%
312	12.637	12.603	12.642	VV	16918	385138	15.31%	0.611%
313	12.647	12.642	12.680	VV	17279	367576	14.61%	0.583%
314	12.699	12.680	12.708	VV	16388	263241	10.46%	0.417%
315	12.713	12.708	12.748	VV	16308	388656	15.45%	0.616%
316	12.804	12.748	12.829	VV	18593	821518	32.65%	1.303%

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317	12.840	12.829	12.854	VV	17417	265780	10.56%	0.421%
318	12.872	12.854	12.898	VV	18262	45006		
319	12.921	12.898	12.960	VV	40932	92236		
320	12.971	12.960	12.975	VV	17319	15456		
321	12.981	12.975	13.008	VV	17826	33536		
322	13.022	13.008	13.051	VV	17149	426033	16.93%	0.675%
323	13.083	13.051	13.090	VV	17028	392896	15.62%	0.623%
324	13.110	13.090	13.124	VV	18494	369526	14.69%	0.586%
325	13.133	13.124	13.161	VV	18437	385101	15.31%	0.611%
326	13.165	13.161	13.175	VV	16655	137264	5.46%	0.218%
327	13.218	13.175	13.246	VV	37347	945047	37.56%	1.498%
328	13.274	13.246	13.305	VV	22862	691566	27.49%	1.097%
329	13.309	13.305	13.328	VV	18310	240926	9.58%	0.382%
330	13.335	13.328	13.344	VV	16853	152951	6.08%	0.243%
331	13.350	13.344	13.355	VV	16385	110146	4.38%	0.175%
332	13.360	13.355	13.370	VV	16241	141503	5.62%	0.224%
333	13.395	13.370	13.398	VV	17132	287137	11.41%	0.455%
334	13.418	13.398	13.449	VV	18343	525873	20.90%	0.834%
335	13.457	13.449	13.462	VV	17051	134423	5.34%	0.213%
336	13.494	13.462	13.527	VV	25037	805716	32.02%	1.277%
337	13.550	13.527	13.596	VV	24008	838703	33.33%	1.330%
338	13.613	13.596	13.618	VV	17915	228701	9.09%	0.363%
339	13.622	13.618	13.634	VV	17633	167012	6.64%	0.265%
340	13.645	13.634	13.664	VV	18223	326608	12.98%	0.518%
341	13.709	13.664	13.779	VV	57646	1750244	69.56%	2.775%
342	13.807	13.779	13.840	VV	20048	669030	26.59%	1.061%
343	13.845	13.840	13.865	VV	16730	249654	9.92%	0.396%
344	13.882	13.865	13.897	VV	16444	309232	12.29%	0.490%
345	13.919	13.897	13.939	VV	18056	424951	16.89%	0.674%
346	13.958	13.939	13.985	VV	17400	463332	18.41%	0.735%
347	14.018	13.985	14.041	VV	18453	573979	22.81%	0.910%
348	14.066	14.041	14.100	VV	20052	619877	24.64%	0.983%
349	14.124	14.100	14.149	VV	16888	472902	18.80%	0.750%
350	14.153	14.149	14.163	VV	15360	128213	5.10%	0.203%
351	14.167	14.163	14.182	VV	15357	172742	6.87%	0.274%
352	14.200	14.182	14.209	VV	15384	241780	9.61%	0.383%
353	14.218	14.209	14.232	VV	15432	215544	8.57%	0.342%
354	14.237	14.232	14.252	VV	15027	167881	6.67%	0.266%
355	14.256	14.252	14.264	VV	14741	105488	4.19%	0.167%
356	14.287	14.264	14.323	VV	15651	537875	21.38%	0.853%
357	14.335	14.323	14.368	VV	14839	387278	15.39%	0.614%
358	14.381	14.368	14.412	VV	14482	371959	14.78%	0.590%
359	14.460	14.412	14.519	VV	17307	985346	39.16%	1.562%
360	14.544	14.519	14.560	VV	15305	363522	14.45%	0.576%
361	14.565	14.560	14.574	VV	14264	119454	4.75%	0.189%
362	14.577	14.574	14.606	VV	14213	254849	10.13%	0.404%
363	14.633	14.606	14.657	VV	18511	474636	18.86%	0.753%
364	14.662	14.657	14.667	VV	14001	83384	3.31%	0.132%

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365	14.671	14.667	14.675	VV	13860	62444	2.48%	0.099%
366	14.686	14.675	14.704	VV	14204	24115		
367	14.724	14.704	14.766	VV	14628	50824		
368	14.788	14.766	14.813	VV	14869	37007		
369	14.853	14.813	14.867	VV	14343	42151		
370	14.870	14.867	14.899	VV	13290	240964	9.58%	0.382%
371	14.904	14.899	14.930	VV	12248	220032	8.75%	0.349%
372	14.969	14.930	15.004	VV	157730	2516060	100.00%	3.989%
373	15.018	15.004	15.037	VV	11926	228012	9.06%	0.362%
374	15.050	15.037	15.070	VV	11963	225577	8.97%	0.358%
375	15.099	15.070	15.118	VV	20400	425558	16.91%	0.675%
376	15.139	15.118	15.157	VV	20993	385075	15.30%	0.611%
377	15.171	15.157	15.200	VV	16649	353458	14.05%	0.560%
378	15.216	15.200	15.242	VV	11273	256093	10.18%	0.406%
379	15.260	15.242	15.327	VV	11220	474201	18.85%	0.752%
380	15.335	15.327	15.343	VV	8703	79792	3.17%	0.127%
381	15.347	15.343	15.353	VV	8743	52473	2.09%	0.083%
382	15.360	15.353	15.384	VV	8592	152487	6.06%	0.242%
383	15.408	15.384	15.426	VV	9032	218434	8.68%	0.346%
384	15.430	15.426	15.451	VV	8403	122212	4.86%	0.194%
385	15.456	15.451	15.462	VV	8058	50165	1.99%	0.080%
386	15.467	15.462	15.481	VV	7761	87011	3.46%	0.138%
387	15.493	15.481	15.499	VV	7702	79278	3.15%	0.126%
388	15.503	15.499	15.518	VV	7536	86185	3.43%	0.137%
389	15.551	15.518	15.636	VV	61254	1366199	54.30%	2.166%
390	15.643	15.636	15.667	VV	7432	129657	5.15%	0.206%
391	15.705	15.667	15.735	VV	15770	448643	17.83%	0.711%
392	15.765	15.735	15.797	VV	11484	318600	12.66%	0.505%
393	15.811	15.797	15.842	VV	6905	171547	6.82%	0.272%
394	15.846	15.842	15.850	VV	5750	28337	1.13%	0.045%
395	15.854	15.850	15.879	VV	5845	96364	3.83%	0.153%
396	15.916	15.879	15.975	VV	8026	374958	14.90%	0.595%
397	16.009	15.975	16.043	VV	5903	218961	8.70%	0.347%
398	16.075	16.043	16.121	VV	7871	269081	10.69%	0.427%
399	16.136	16.121	16.146	VV	4653	68178	2.71%	0.108%
400	16.151	16.146	16.161	VV	4349	37967	1.51%	0.060%
401	16.193	16.161	16.244	VV	11572	296250	11.77%	0.470%
402	16.255	16.244	16.279	VV	4051	78723	3.13%	0.125%
403	16.285	16.279	16.317	VV	3494	72579	2.88%	0.115%
404	16.324	16.317	16.337	VV	3225	36932	1.47%	0.059%
405	16.343	16.337	16.349	VV	3213	21412	0.85%	0.034%
406	16.352	16.349	16.356	VV	3211	14056	0.56%	0.022%
407	16.399	16.356	16.433	VV	4435	171037	6.80%	0.271%
408	16.445	16.433	16.460	VV	3407	53985	2.15%	0.086%
409	16.485	16.460	16.509	VV	4143	106839	4.25%	0.169%
410	16.515	16.509	16.520	VV	3281	19012	0.76%	0.030%
411	16.570	16.520	16.618	VV	15118	409838	16.29%	0.650%

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412	16.659	16.618	16.672	VV	16278	323059	12.84%	0.512%
413	16.678	16.672	16.724	VV	14755	24172		
414	16.758	16.724	16.824	VV	47377	78107		
415	16.828	16.824	16.860	VV	3161	5893		
416	16.866	16.860	16.872	VV	2347	1553		
417	16.879	16.872	16.884	VV	2515	16330	0.65%	0.026%
418	16.903	16.884	16.919	VV	2759	54009	2.15%	0.086%
419	16.936	16.919	16.944	VV	4513	58625	2.33%	0.093%
420	16.977	16.944	17.007	VV	10658	228867	9.10%	0.363%
421	17.036	17.007	17.094	VV	11999	276233	10.98%	0.438%
422	17.144	17.094	17.171	VV	11281	266467	10.59%	0.422%
423	17.191	17.171	17.214	VV	9805	156285	6.21%	0.248%
424	17.217	17.214	17.247	VV	3690	54103	2.15%	0.086%
425	17.272	17.247	17.310	VV	2385	70218	2.79%	0.111%
426	17.342	17.310	17.360	VV	1973	46599	1.85%	0.074%
427	17.387	17.360	17.429	VV	2777	87148	3.46%	0.138%
428	17.432	17.429	17.449	VV	1762	18938	0.75%	0.030%
429	17.454	17.449	17.463	VV	1374	11440	0.45%	0.018%
430	17.482	17.463	17.488	VV	1701	23173	0.92%	0.037%
431	17.516	17.488	17.553	VV	7168	166417	6.61%	0.264%
432	17.560	17.553	17.570	VV	2574	24628	0.98%	0.039%
433	17.594	17.570	17.636	VV	9205	167926	6.67%	0.266%
434	17.642	17.636	17.647	VV	1054	6029	0.24%	0.010%
435	17.683	17.647	17.687	VV	2379	38114	1.51%	0.060%
436	17.692	17.687	17.764	VV	2369	57763	2.30%	0.092%
437	17.769	17.764	17.784	VV	406	3406	0.14%	0.005%
438	17.806	17.784	17.813	VV	646	7683	0.31%	0.012%
439	17.815	17.813	17.840	VV	500	3439	0.14%	0.005%
440	17.879	17.840	17.905	PV	1171	21169	0.84%	0.034%
441	17.926	17.905	17.939	VV	989	13266	0.53%	0.021%
442	17.988	17.939	18.005	VV	3361	74285	2.95%	0.118%
443	18.033	18.005	18.060	VV	7768	122626	4.87%	0.194%
444	18.122	18.060	18.159	VV	4617	101499	4.03%	0.161%
445	18.178	18.159	18.189	VV	1654	23985	0.95%	0.038%
446	18.203	18.189	18.235	VV	1796	34496	1.37%	0.055%
447	18.258	18.235	18.283	VV	2754	42525	1.69%	0.067%
448	18.318	18.283	18.332	PV	2370	35079	1.39%	0.056%
449	18.351	18.332	18.365	VV	2611	37896	1.51%	0.060%
450	18.395	18.365	18.435	VV	36534	726662	28.88%	1.152%
451	18.456	18.435	18.493	VV	11686	206059	8.19%	0.327%
452	18.496	18.493	18.518	VV	1196	15400	0.61%	0.024%
453	18.545	18.518	18.571	VV	4262	79873	3.17%	0.127%
454	18.574	18.571	18.635	VV	2189	35184	1.40%	0.056%
455	18.659	18.635	18.689	PV	7703	105373	4.19%	0.167%
456	18.695	18.689	18.703	VV	556	4093	0.16%	0.006%
457	18.712	18.703	18.720	VV	546	4062	0.16%	0.006%
458	18.726	18.720	18.731	VV	775	3767	0.15%	0.006%
459	18.743	18.731	18.747	VV	932	7142	0.28%	0.011%

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460	18.751	18.747	18.766	VV	835	8104	0.32%	0.013%
461	18.792	18.766	18.807	VV	1946	3208		
462	18.809	18.807	18.822	VV	1754	1438		
463	18.862	18.822	18.909	VV	7868	16139		
464	18.968	18.909	18.997	VV	5871	12335		
465	19.020	18.997	19.041	VV	2104	42119	1.67%	0.067%
466	19.064	19.041	19.083	VV	1959	31836	1.27%	0.050%
467	19.127	19.083	19.159	VV	1367	41945	1.67%	0.067%
468	19.175	19.159	19.190	VV	1677	26096	1.04%	0.041%
469	19.221	19.190	19.252	VV	27262	512699	20.38%	0.813%
470	19.268	19.252	19.312	VV	10790	231123	9.19%	0.366%
471	19.336	19.312	19.340	VV	2723	41345	1.64%	0.066%
472	19.366	19.340	19.380	VV	2997	66876	2.66%	0.106%
473	19.390	19.380	19.416	VV	2647	45807	1.82%	0.073%
474	19.462	19.416	19.484	VV	4752	107832	4.29%	0.171%
475	19.501	19.484	19.508	VV	2109	26699	1.06%	0.042%
476	19.512	19.508	19.538	VV	1817	28744	1.14%	0.046%
477	19.554	19.538	19.571	VV	2111	32399	1.29%	0.051%
478	19.576	19.571	19.579	VV	1293	5829	0.23%	0.009%
479	19.588	19.579	19.596	VV	1432	12598	0.50%	0.020%
480	19.650	19.596	19.668	VV	5670	132797	5.28%	0.211%
481	19.687	19.668	19.703	VV	4649	87148	3.46%	0.138%
482	19.756	19.703	19.789	VV	7991	265153	10.54%	0.420%
483	19.820	19.789	19.849	VV	7411	172912	6.87%	0.274%
484	19.886	19.849	19.910	VV	4858	133379	5.30%	0.211%
485	19.939	19.910	19.961	VV	4565	124557	4.95%	0.197%
486	20.001	19.961	20.050	VV	14423	461707	18.35%	0.732%
487	20.053	20.050	20.078	VV	5547	79797	3.17%	0.127%
488	20.083	20.078	20.087	VV	3827	21300	0.85%	0.034%
489	20.104	20.087	20.120	VV	4123	75620	3.01%	0.120%
490	20.122	20.120	20.127	VV	3941	17448	0.69%	0.028%
491	20.130	20.127	20.135	VV	3860	19029	0.76%	0.030%
492	20.203	20.135	20.234	VV	7368	336821	13.39%	0.534%
493	20.269	20.234	20.307	VV	9115	290986	11.57%	0.461%
494	20.335	20.307	20.360	VV	5729	167152	6.64%	0.265%
495	20.392	20.360	20.422	VV	8934	248726	9.89%	0.394%
496	20.427	20.422	20.431	VV	5649	31069	1.23%	0.049%
497	20.437	20.431	20.446	VV	5514	47985	1.91%	0.076%
498	20.469	20.446	20.476	VV	5549	95958	3.81%	0.152%
499	20.507	20.476	20.516	VV	6227	139052	5.53%	0.220%
500	20.549	20.516	20.586	VV	17665	415639	16.52%	0.659%
501	20.591	20.586	20.595	VV	6254	33731	1.34%	0.053%
502	20.617	20.595	20.640	VV	7155	179355	7.13%	0.284%
503	20.646	20.640	20.651	VV	6708	42815	1.70%	0.068%
504	20.695	20.651	20.708	VV	7875	245932	9.77%	0.390%
505	20.746	20.708	20.811	VV	10926	532737	21.17%	0.845%
506	20.835	20.811	20.840	VV	7780	132882	5.28%	0.211%

Instrument :

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507	20.844	20.840	20.890	VV	7719	221818	8.82%	0.352%
508	20.909	20.890	20.916	VV	7653	11712		
509	20.919	20.916	20.938	VV	7593	9721		
510	20.943	20.938	20.969	VV	7251	13068		
511	20.974	20.969	20.978	VV	7014	3846		
512	21.009	20.978	21.020	VV	7412	180535	7.18%	0.286%
513	21.041	21.020	21.060	VV	7926	184180	7.32%	0.292%
514	21.063	21.060	21.072	VV	7556	52743	2.10%	0.084%
515	21.077	21.072	21.091	VV	7422	79852	3.17%	0.127%
516	21.119	21.091	21.164	VV	9664	334807	13.31%	0.531%
517	21.187	21.164	21.200	VV	6120	130884	5.20%	0.208%
518	21.205	21.200	21.208	VV	6015	26684	1.06%	0.042%
519	21.214	21.208	21.262	VV	6019	184539	7.33%	0.293%
520	21.267	21.262	21.282	VV	5450	63355	2.52%	0.100%
521	21.285	21.282	21.327	VV	5273	137439	5.46%	0.218%
522	21.333	21.327	21.339	VV	4852	32537	1.29%	0.052%
523	21.350	21.339	21.371	VV	4976	94237	3.75%	0.149%
524	21.384	21.371	21.394	VV	5132	66052	2.63%	0.105%
525	21.401	21.394	21.407	VV	5023	39493	1.57%	0.063%
526	21.410	21.407	21.414	VV	4977	21441	0.85%	0.034%
527	21.443	21.414	21.450	VV	5192	108622	4.32%	0.172%
528	21.455	21.450	21.487	VV	5076	109665	4.36%	0.174%
529	21.494	21.487	21.504	VV	4750	45969	1.83%	0.073%
530	21.539	21.504	21.633	VV	6666	375701	14.93%	0.596%
531	21.639	21.633	21.657	VV	3525	46726	1.86%	0.074%
532	21.669	21.657	21.674	VV	3244	31561	1.25%	0.050%
533	21.677	21.674	21.692	VV	3129	31667	1.26%	0.050%
534	21.697	21.692	21.747	VV	2839	87349	3.47%	0.138%
535	21.764	21.747	21.772	VV	2641	38323	1.52%	0.061%
536	21.779	21.772	21.792	VV	2752	30808	1.22%	0.049%
537	21.796	21.792	21.825	VV	2361	41301	1.64%	0.065%
538	21.860	21.825	21.891	VV	2374	78387	3.12%	0.124%
539	21.895	21.891	21.905	VV	1719	13082	0.52%	0.021%
540	21.940	21.905	21.955	VV	2046	52775	2.10%	0.084%
541	22.011	21.955	22.125	VV	4724	250285	9.95%	0.397%
542	22.129	22.125	22.144	VV	582	4801	0.19%	0.008%
543	22.148	22.144	22.155	VV	428	2413	0.10%	0.004%
544	22.157	22.155	22.188	VV	390	3825	0.15%	0.006%
545	22.191	22.188	22.200	VBA	148	5769	0.23%	0.009%

Sum of corrected areas: 63070238

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