

Instrument :

FID_G

ClientSampleId :

TOP-SOIL-1MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG013750.D

Data File : FG013750.D

Signal(s) : FID1A.ch

Acq On : 08 May 2024 20:30

Sample : P2404-02MS

Misc :

ALS Vial : 21 Sample Multiplier: 1

Reviewed By :Yogesh Patel 05/09/2024

Supervised By :Ankita Jodhani 05/09/2024

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG041124.M

Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.945	1.918	1.979	BV	391	3485	0.08%	0.003%
2	1.998	1.979	2.004	PV	146	1181	0.03%	0.001%
3	2.016	2.004	2.027	VV	1600	3900	0.09%	0.004%
4	2.058	2.027	2.121	VV	87793	1161505	25.44%	1.100%
5	2.132	2.121	2.168	VV	342	6244	0.14%	0.006%
6	2.172	2.168	2.181	VV	179	1074	0.02%	0.001%
7	2.185	2.181	2.216	VV	155	1646	0.04%	0.002%
8	2.225	2.216	2.230	PV	109	395	0.01%	0.000%
9	2.234	2.230	2.240	VV	83	406	0.01%	0.000%
10	2.243	2.240	2.248	VV	99	300	0.01%	0.000%
11	2.269	2.248	2.304	VV	650	12109	0.27%	0.011%
12	2.310	2.304	2.325	VV	156	1397	0.03%	0.001%
13	2.348	2.325	2.388	VV	1614	22075	0.48%	0.021%
14	2.418	2.388	2.446	VV	240	5339	0.12%	0.005%
15	2.453	2.446	2.463	VV	98	640	0.01%	0.001%
16	2.470	2.463	2.474	VV	55	252	0.01%	0.000%
17	2.487	2.474	2.493	VV	121	825	0.02%	0.001%
18	2.498	2.493	2.515	VV	124	770	0.02%	0.001%
19	2.531	2.515	2.538	VV	103	805	0.02%	0.001%
20	2.543	2.538	2.553	VV	115	675	0.01%	0.001%
21	2.557	2.553	2.580	VV	81	817	0.02%	0.001%
22	2.586	2.580	2.591	VV	95	428	0.01%	0.000%
23	2.616	2.591	2.646	VV	422	6652	0.15%	0.006%
24	2.650	2.646	2.658	VV	104	566	0.01%	0.001%
25	2.664	2.658	2.672	VV	99	560	0.01%	0.001%
26	2.689	2.672	2.693	VV	107	910	0.02%	0.001%
27	2.698	2.693	2.705	VV	68	315	0.01%	0.000%
28	2.709	2.705	2.716	VV	62	230	0.01%	0.000%
29	2.720	2.716	2.726	PV	99	348	0.01%	0.000%
30	2.749	2.726	2.755	VV	312	3184	0.07%	0.003%
31	2.758	2.755	2.791	VV	327	3988	0.09%	0.004%

32	2.796	2.791	2.804	VV	113	635	0.01%	0.001%
33	2.807	2.804	2.820	VV	656	156		
34	2.831	2.820	2.841	VV	157	151		
35	2.872	2.841	2.880	VV	266	511		
36	2.888	2.880	2.907	VV	198	281		
37	2.937	2.907	2.941	VV	446	5079	0.11%	0.005%
38	2.945	2.941	2.959	VV	447	4193	0.09%	0.004%
39	2.963	2.959	2.973	VV	386	2529	0.06%	0.002%
40	2.978	2.973	2.998	VV	331	3385	0.07%	0.003%
41	3.020	2.998	3.037	VV	288	5342	0.12%	0.005%
42	3.041	3.037	3.045	VV	239	1098	0.02%	0.001%
43	3.070	3.045	3.094	VV	429	9473	0.21%	0.009%
44	3.101	3.094	3.111	VV	293	2630	0.06%	0.002%
45	3.131	3.111	3.164	VV	1023	13657	0.30%	0.013%
46	3.182	3.164	3.226	VV	2063	32744	0.72%	0.031%
47	3.242	3.226	3.261	VV	479	8989	0.20%	0.009%
48	3.268	3.261	3.309	VV	470	7578	0.17%	0.007%
49	3.322	3.309	3.357	VV	225	3925	0.09%	0.004%
50	3.363	3.357	3.372	VV	92	670	0.01%	0.001%
51	3.384	3.372	3.388	VV	82	535	0.01%	0.001%
52	3.405	3.388	3.427	VV	428	6213	0.14%	0.006%
53	3.431	3.427	3.443	VV	270	2258	0.05%	0.002%
54	3.448	3.443	3.461	VV	190	1527	0.03%	0.001%
55	3.472	3.461	3.487	VV	137	1546	0.03%	0.001%
56	3.498	3.487	3.524	VV	123	2082	0.05%	0.002%
57	3.536	3.524	3.542	VV	154	1257	0.03%	0.001%
58	3.546	3.542	3.564	VV	175	1784	0.04%	0.002%
59	3.567	3.564	3.583	VV	148	1273	0.03%	0.001%
60	3.590	3.583	3.603	VV	106	893	0.02%	0.001%
61	3.610	3.603	3.627	PV	134	1302	0.03%	0.001%
62	3.638	3.627	3.643	VV	135	1047	0.02%	0.001%
63	3.653	3.643	3.657	VV	173	1010	0.02%	0.001%
64	3.683	3.657	3.701	VV	336	4986	0.11%	0.005%
65	3.716	3.701	3.740	VV	184	3165	0.07%	0.003%
66	3.745	3.740	3.750	VV	125	674	0.01%	0.001%
67	3.780	3.750	3.806	VV	278	6194	0.14%	0.006%
68	3.811	3.806	3.822	VV	211	1533	0.03%	0.001%
69	3.827	3.822	3.834	VV	156	902	0.02%	0.001%
70	3.839	3.834	3.843	VV	134	526	0.01%	0.000%
71	3.845	3.843	3.862	VV	137	1117	0.02%	0.001%
72	3.865	3.862	3.869	VV	142	465	0.01%	0.000%
73	3.876	3.869	3.892	VV	125	1572	0.03%	0.001%
74	3.917	3.892	3.930	VV	191	3208	0.07%	0.003%
75	3.935	3.930	3.957	VV	128	1364	0.03%	0.001%
76	3.962	3.957	3.967	VV	122	595	0.01%	0.001%
77	3.973	3.967	3.981	VV	120	779	0.02%	0.001%
78	3.985	3.981	3.999	VV	79	696	0.02%	0.001%
79	4.010	3.999	4.017	VV	153	1156	0.03%	0.001%

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80	4.034	4.017	4.052	VV	203	3119	0.07%	0.003%
81	4.058	4.052	4.069	VV	118	92		
82	4.073	4.069	4.078	VV	79	31		
83	4.082	4.078	4.094	VV	62	43		
84	4.121	4.094	4.151	VV	1834	2367		
85	4.172	4.151	4.213	VV	1368	20965	0.46%	0.020%
86	4.220	4.213	4.232	VV	288	2625	0.06%	0.002%
87	4.237	4.232	4.256	VV	242	2503	0.05%	0.002%
88	4.261	4.256	4.275	VV	117	1055	0.02%	0.001%
89	4.310	4.275	4.339	VV	1501	22513	0.49%	0.021%
90	4.351	4.339	4.378	VV	611	9027	0.20%	0.009%
91	4.390	4.378	4.412	VV	270	4292	0.09%	0.004%
92	4.423	4.412	4.433	VV	256	2794	0.06%	0.003%
93	4.437	4.433	4.450	VV	199	1498	0.03%	0.001%
94	4.461	4.450	4.465	VV	150	1062	0.02%	0.001%
95	4.474	4.465	4.482	VV	207	1577	0.03%	0.001%
96	4.489	4.482	4.499	VV	183	1483	0.03%	0.001%
97	4.511	4.499	4.532	VV	261	3551	0.08%	0.003%
98	4.539	4.532	4.548	VV	178	1361	0.03%	0.001%
99	4.583	4.548	4.618	VV	184881	1932047	42.31%	1.830%
100	4.627	4.618	4.642	VV	577	6744	0.15%	0.006%
101	4.658	4.642	4.680	VV	421	7022	0.15%	0.007%
102	4.688	4.680	4.691	VV	230	1288	0.03%	0.001%
103	4.700	4.691	4.728	VV	344	4712	0.10%	0.004%
104	4.753	4.728	4.777	VV	922	11737	0.26%	0.011%
105	4.811	4.777	4.831	VV	356	7859	0.17%	0.007%
106	4.835	4.831	4.844	VV	284	2013	0.04%	0.002%
107	4.867	4.844	4.880	VV	497	7447	0.16%	0.007%
108	4.899	4.880	4.914	VV	611	10787	0.24%	0.010%
109	4.955	4.914	4.989	VV	1239	34090	0.75%	0.032%
110	4.993	4.989	4.998	VV	263	1343	0.03%	0.001%
111	5.009	4.998	5.038	VV	383	6562	0.14%	0.006%
112	5.041	5.038	5.048	VV	225	1244	0.03%	0.001%
113	5.052	5.048	5.078	VV	310	3542	0.08%	0.003%
114	5.094	5.078	5.120	VV	282	4751	0.10%	0.004%
115	5.138	5.120	5.155	VV	197	2976	0.07%	0.003%
116	5.170	5.155	5.182	VV	193	2300	0.05%	0.002%
117	5.190	5.182	5.217	VV	265	4316	0.09%	0.004%
118	5.243	5.217	5.259	VV	467	6830	0.15%	0.006%
119	5.289	5.259	5.321	VV	506	8861	0.19%	0.008%
120	5.343	5.321	5.363	VV	268	3939	0.09%	0.004%
121	5.370	5.363	5.384	VV	216	2074	0.05%	0.002%
122	5.398	5.384	5.419	VV	400	5383	0.12%	0.005%
123	5.423	5.419	5.446	VV	171	1851	0.04%	0.002%
124	5.451	5.446	5.457	VV	110	510	0.01%	0.000%
125	5.468	5.457	5.484	VV	169	1445	0.03%	0.001%
126	5.489	5.484	5.503	VV	113	910	0.02%	0.001%

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127	5.528	5.503	5.556	VV	1370	16839	0.37%	0.016%
128	5.565	5.556	5.569	VV	188	126		
129	5.575	5.569	5.582	VV	203	136		
130	5.599	5.582	5.619	VV	313	426		
131	5.632	5.619	5.640	PV	118	83		
132	5.658	5.640	5.664	VV	108	1196	0.03%	0.001%
133	5.676	5.664	5.684	VV	167	1241	0.03%	0.001%
134	5.692	5.684	5.699	VV	80	470	0.01%	0.000%
135	5.722	5.699	5.737	VV	881	9480	0.21%	0.009%
136	5.755	5.737	5.776	VV	5621	57348	1.26%	0.054%
137	5.785	5.776	5.811	VV	664	7867	0.17%	0.007%
138	5.824	5.811	5.856	VV	612	7752	0.17%	0.007%
139	5.861	5.856	5.865	VV	123	502	0.01%	0.000%
140	5.873	5.865	5.889	VV	119	1413	0.03%	0.001%
141	5.910	5.889	5.941	VV	380	5810	0.13%	0.006%
142	5.975	5.941	6.005	VV	348	7605	0.17%	0.007%
143	6.015	6.005	6.023	VV	162	1296	0.03%	0.001%
144	6.042	6.023	6.063	VV	265	3799	0.08%	0.004%
145	6.087	6.063	6.107	VV	228	3563	0.08%	0.003%
146	6.118	6.107	6.128	VV	155	1271	0.03%	0.001%
147	6.147	6.128	6.179	VV	463	9590	0.21%	0.009%
148	6.201	6.179	6.223	VV	369	5589	0.12%	0.005%
149	6.233	6.223	6.248	VV	418	4191	0.09%	0.004%
150	6.257	6.248	6.276	VV	440	4630	0.10%	0.004%
151	6.297	6.276	6.340	VV	2210	32082	0.70%	0.030%
152	6.365	6.340	6.425	VV	11114	131110	2.87%	0.124%
153	6.464	6.425	6.489	VV	954	17873	0.39%	0.017%
154	6.494	6.489	6.501	VV	316	2155	0.05%	0.002%
155	6.504	6.501	6.509	VV	332	1401	0.03%	0.001%
156	6.524	6.509	6.541	VV	466	6715	0.15%	0.006%
157	6.549	6.541	6.567	VV	296	3344	0.07%	0.003%
158	6.592	6.567	6.638	VV	2262	32074	0.70%	0.030%
159	6.646	6.638	6.659	VV	369	3786	0.08%	0.004%
160	6.674	6.659	6.685	VV	331	4638	0.10%	0.004%
161	6.694	6.685	6.697	VV	273	1798	0.04%	0.002%
162	6.702	6.697	6.712	VV	300	2344	0.05%	0.002%
163	6.722	6.712	6.727	VV	495	3735	0.08%	0.004%
164	6.755	6.727	6.800	VV	221823	2232874	48.90%	2.115%
165	6.802	6.800	6.813	VV	293	1821	0.04%	0.002%
166	6.831	6.813	6.854	VV	1927	21013	0.46%	0.020%
167	6.878	6.854	6.934	VV	13184	149503	3.27%	0.142%
168	6.945	6.934	6.973	VV	477	6550	0.14%	0.006%
169	6.980	6.973	7.006	VV	131	1529	0.03%	0.001%
170	7.023	7.006	7.028	VV	233	1951	0.04%	0.002%
171	7.036	7.028	7.062	VV	213	2720	0.06%	0.003%
172	7.087	7.062	7.098	VV	335	4442	0.10%	0.004%
173	7.106	7.098	7.121	VV	304	3320	0.07%	0.003%
174	7.128	7.121	7.142	VV	229	1900	0.04%	0.002%

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175	7.147	7.142	7.162	VV	204	1899	0.04%	0.002%
176	7.165	7.162	7.182	VV	201	145		
177	7.191	7.182	7.200	VV	172	112		
178	7.237	7.200	7.259	VV	1095	1926		
179	7.265	7.259	7.278	VV	546	519		
180	7.294	7.278	7.312	VV	522	8074	0.18%	0.008%
181	7.331	7.312	7.359	VV	411	6681	0.15%	0.006%
182	7.393	7.359	7.410	VV	1057	12748	0.28%	0.012%
183	7.428	7.410	7.462	VV	1292	16359	0.36%	0.015%
184	7.476	7.462	7.514	VV	643	9890	0.22%	0.009%
185	7.530	7.514	7.554	PV	805	8400	0.18%	0.008%
186	7.572	7.554	7.591	VV	769	8584	0.19%	0.008%
187	7.603	7.591	7.634	VV	267	3273	0.07%	0.003%
188	7.663	7.634	7.678	VV	244	3606	0.08%	0.003%
189	7.704	7.678	7.747	VV	951	17164	0.38%	0.016%
190	7.759	7.747	7.766	VV	242	2319	0.05%	0.002%
191	7.769	7.766	7.777	VV	233	1346	0.03%	0.001%
192	7.792	7.777	7.803	VV	240	2949	0.06%	0.003%
193	7.824	7.803	7.831	VV	353	3699	0.08%	0.004%
194	7.837	7.831	7.853	VV	371	3406	0.07%	0.003%
195	7.882	7.853	7.912	VV	339	7201	0.16%	0.007%
196	7.925	7.912	7.953	VV	487	5363	0.12%	0.005%
197	7.967	7.953	7.974	PV	135	1251	0.03%	0.001%
198	7.992	7.974	8.026	VV	629	8613	0.19%	0.008%
199	8.047	8.026	8.067	VV	390	4792	0.10%	0.005%
200	8.071	8.067	8.078	VV	103	638	0.01%	0.001%
201	8.091	8.078	8.101	VV	239	2514	0.06%	0.002%
202	8.132	8.101	8.151	VV	1211	22310	0.49%	0.021%
203	8.165	8.151	8.181	VV	844	10344	0.23%	0.010%
204	8.193	8.181	8.218	VV	459	5433	0.12%	0.005%
205	8.247	8.218	8.261	VV	268	4738	0.10%	0.004%
206	8.280	8.261	8.298	VV	522	7882	0.17%	0.007%
207	8.322	8.298	8.349	VV	805	14864	0.33%	0.014%
208	8.361	8.349	8.377	VV	559	6216	0.14%	0.006%
209	8.408	8.377	8.442	VV	1152	20315	0.44%	0.019%
210	8.479	8.442	8.493	VV	869	16997	0.37%	0.016%
211	8.514	8.493	8.528	VV	793	11453	0.25%	0.011%
212	8.540	8.528	8.550	VV	614	6874	0.15%	0.007%
213	8.588	8.550	8.634	VV	230610	2397255	52.50%	2.271%
214	8.640	8.634	8.646	VV	374	2402	0.05%	0.002%
215	8.658	8.646	8.669	VV	479	5843	0.13%	0.006%
216	8.700	8.669	8.735	VV	1895	35662	0.78%	0.034%
217	8.751	8.735	8.783	VV	1172	18979	0.42%	0.018%
218	8.789	8.783	8.799	VV	325	2517	0.06%	0.002%
219	8.817	8.799	8.847	VV	716	12178	0.27%	0.012%
220	8.858	8.847	8.868	VV	369	3801	0.08%	0.004%
221	8.886	8.868	8.913	VV	589	10194	0.22%	0.010%

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222	8.919	8.913	8.924	VV	308	1584	0.03%	0.002%
223	8.953	8.924	8.966	VV	759	1165		
224	8.998	8.966	9.020	VV	1449	2441		
225	9.061	9.020	9.100	VV	2803	5587		
226	9.128	9.100	9.156	VV	1474	2801		
227	9.160	9.156	9.167	VV	367	2203	0.05%	0.002%
228	9.204	9.167	9.225	VV	796	19413	0.43%	0.018%
229	9.237	9.225	9.258	VV	805	11560	0.25%	0.011%
230	9.274	9.258	9.298	VV	1052	14030	0.31%	0.013%
231	9.333	9.298	9.358	VV	960	21537	0.47%	0.020%
232	9.363	9.358	9.376	VV	362	2886	0.06%	0.003%
233	9.415	9.376	9.432	VV	1862	26037	0.57%	0.025%
234	9.453	9.432	9.461	VV	7562	78426	1.72%	0.074%
235	9.471	9.461	9.502	VV	8445	95434	2.09%	0.090%
236	9.507	9.502	9.537	VV	471	5210	0.11%	0.005%
237	9.568	9.537	9.586	PV	509	7636	0.17%	0.007%
238	9.600	9.586	9.619	VV	383	5367	0.12%	0.005%
239	9.653	9.619	9.672	VV	465	8518	0.19%	0.008%
240	9.686	9.672	9.690	VV	304	2868	0.06%	0.003%
241	9.706	9.690	9.723	VV	492	7930	0.17%	0.008%
242	9.743	9.723	9.772	VV	4873	59321	1.30%	0.056%
243	9.791	9.772	9.826	VV	2592	43088	0.94%	0.041%
244	9.841	9.826	9.852	VV	625	8418	0.18%	0.008%
245	9.871	9.852	9.907	VV	1069	21096	0.46%	0.020%
246	9.935	9.907	9.962	VV	867	18362	0.40%	0.017%
247	9.978	9.962	10.005	VV	826	13444	0.29%	0.013%
248	10.038	10.005	10.062	VV	689	15142	0.33%	0.014%
249	10.076	10.062	10.094	VV	450	6167	0.14%	0.006%
250	10.115	10.094	10.123	VV	839	9746	0.21%	0.009%
251	10.136	10.123	10.153	VV	1038	14402	0.32%	0.014%
252	10.202	10.153	10.253	VV	223506	2463811	53.96%	2.334%
253	10.262	10.253	10.269	VV	394	3154	0.07%	0.003%
254	10.288	10.269	10.298	VV	501	7018	0.15%	0.007%
255	10.305	10.298	10.342	VV	595	7912	0.17%	0.007%
256	10.345	10.342	10.352	VV	97	343	0.01%	0.000%
257	10.374	10.352	10.403	PV	394	7153	0.16%	0.007%
258	10.419	10.403	10.426	VV	237	2476	0.05%	0.002%
259	10.461	10.426	10.465	VV	417	5831	0.13%	0.006%
260	10.472	10.465	10.487	VV	508	5272	0.12%	0.005%
261	10.499	10.487	10.521	VV	568	8029	0.18%	0.008%
262	10.538	10.521	10.570	VV	975	16780	0.37%	0.016%
263	10.591	10.570	10.613	VV	1692	24059	0.53%	0.023%
264	10.644	10.613	10.665	VV	1172	25058	0.55%	0.024%
265	10.681	10.665	10.703	VV	1055	16040	0.35%	0.015%
266	10.729	10.703	10.768	VV	2091	36756	0.80%	0.035%
267	10.790	10.768	10.819	VV	4383	56835	1.24%	0.054%
268	10.851	10.819	10.868	VV	6889	86882	1.90%	0.082%
269	10.880	10.868	10.890	VV	3023	33281	0.73%	0.032%

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Manual IntegrationsAPPROVED

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270	10.903	10.890	10.912	VV	3438	39987	0.88%	0.038%
271	10.922	10.912	10.934	VV	3337	3822		
272	10.942	10.934	10.954	VV	2415	2528		
273	10.966	10.954	10.977	VV	2294	2592		
274	11.012	10.977	11.032	VV	4767	9856		
275	11.047	11.032	11.059	VV	3732	45877	1.00%	0.043%
276	11.066	11.059	11.090	VV	2939	36776	0.81%	0.035%
277	11.111	11.090	11.132	VV	4773	61005	1.34%	0.058%
278	11.169	11.132	11.182	VV	3992	63831	1.40%	0.060%
279	11.201	11.182	11.249	VV	20131	307888	6.74%	0.292%
280	11.276	11.249	11.297	VV	5070	63814	1.40%	0.060%
281	11.309	11.297	11.347	VV	1000	24807	0.54%	0.023%
282	11.351	11.347	11.387	VV	658	12112	0.27%	0.011%
283	11.399	11.387	11.404	VV	439	3739	0.08%	0.004%
284	11.409	11.404	11.417	VV	423	2661	0.06%	0.003%
285	11.428	11.417	11.436	VV	529	5133	0.11%	0.005%
286	11.452	11.436	11.472	VV	2139	25459	0.56%	0.024%
287	11.492	11.472	11.536	VV	2822	39604	0.87%	0.038%
288	11.559	11.536	11.563	VV	321	4026	0.09%	0.004%
289	11.650	11.563	11.691	VV	215721	2527145	55.34%	2.394%
290	11.723	11.691	11.768	VV	3320	81278	1.78%	0.077%
291	11.777	11.768	11.791	VV	729	8504	0.19%	0.008%
292	11.809	11.791	11.827	VV	906	11097	0.24%	0.011%
293	11.844	11.827	11.873	VV	1327	17816	0.39%	0.017%
294	11.905	11.873	11.940	PV	5041	78546	1.72%	0.074%
295	11.961	11.940	11.987	VV	739	12596	0.28%	0.012%
296	12.008	11.987	12.022	VV	2634	29890	0.65%	0.028%
297	12.039	12.022	12.060	VV	3728	46578	1.02%	0.044%
298	12.072	12.060	12.090	VV	1012	14286	0.31%	0.014%
299	12.124	12.090	12.143	VV	3576	58927	1.29%	0.056%
300	12.157	12.143	12.168	VV	2126	24842	0.54%	0.024%
301	12.187	12.168	12.240	VV	2867	46260	1.01%	0.044%
302	12.267	12.240	12.286	PV	578	8390	0.18%	0.008%
303	12.332	12.286	12.350	VV	1769	42096	0.92%	0.040%
304	12.368	12.350	12.390	VV	4653	57030	1.25%	0.054%
305	12.415	12.390	12.455	VV	7484	106530	2.33%	0.101%
306	12.478	12.455	12.508	VV	4277	57089	1.25%	0.054%
307	12.513	12.508	12.523	VV	391	2672	0.06%	0.003%
308	12.577	12.523	12.642	VV	93085	1159311	25.39%	1.098%
309	12.657	12.642	12.675	VV	903	13677	0.30%	0.013%
310	12.689	12.675	12.698	VV	613	7077	0.15%	0.007%
311	12.708	12.698	12.715	VV	654	5921	0.13%	0.006%
312	12.720	12.715	12.725	VV	586	3558	0.08%	0.003%
313	12.732	12.725	12.749	VV	793	9736	0.21%	0.009%
314	12.754	12.749	12.769	VV	722	6034	0.13%	0.006%
315	12.793	12.769	12.812	VV	1431	26601	0.58%	0.025%
316	12.820	12.812	12.838	VV	955	9769	0.21%	0.009%

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317	12.863	12.838	12.891	VV	2453	36236	0.79%	0.034%
318	12.912	12.891	12.931	VV	2745	3854		
319	12.965	12.931	13.001	VV	205504	250948		
320	13.028	13.001	13.069	VV	41198	47718		
321	13.093	13.069	13.117	VV	433	684		
322	13.126	13.117	13.140	VV	212	1738	0.04%	0.002%
323	13.163	13.140	13.177	PV	763	9975	0.22%	0.009%
324	13.217	13.177	13.230	VV	1757	41119	0.90%	0.039%
325	13.235	13.230	13.256	VV	1374	15427	0.34%	0.015%
326	13.272	13.256	13.300	VV	559	10287	0.23%	0.010%
327	13.329	13.300	13.353	VV	32652	365530	8.00%	0.346%
328	13.384	13.353	13.401	VV	4129	65059	1.42%	0.062%
329	13.417	13.401	13.442	VV	3587	44027	0.96%	0.042%
330	13.470	13.442	13.482	VV	460	7960	0.17%	0.008%
331	13.504	13.482	13.522	VV	1594	25061	0.55%	0.024%
332	13.529	13.522	13.552	VV	1197	11921	0.26%	0.011%
333	13.596	13.552	13.625	PV	10225	171714	3.76%	0.163%
334	13.643	13.625	13.662	VV	5419	79269	1.74%	0.075%
335	13.669	13.662	13.692	VV	2728	34668	0.76%	0.033%
336	13.709	13.692	13.716	VV	1248	15258	0.33%	0.014%
337	13.726	13.716	13.743	VV	1397	16153	0.35%	0.015%
338	13.808	13.743	13.873	VV	28846	389257	8.52%	0.369%
339	13.920	13.873	13.949	VV	5654	94918	2.08%	0.090%
340	13.988	13.949	14.003	VV	769	16176	0.35%	0.015%
341	14.028	14.003	14.050	VV	3624	52007	1.14%	0.049%
342	14.068	14.050	14.089	VV	2676	35613	0.78%	0.034%
343	14.117	14.089	14.135	VV	2962	43692	0.96%	0.041%
344	14.169	14.135	14.221	VV	192974	2459880	53.87%	2.330%
345	14.240	14.221	14.280	VV	2073	28487	0.62%	0.027%
346	14.314	14.280	14.333	VV	850	13374	0.29%	0.013%
347	14.354	14.333	14.363	PV	356	3996	0.09%	0.004%
348	14.387	14.363	14.396	VV	887	12176	0.27%	0.012%
349	14.406	14.396	14.416	VV	744	7980	0.17%	0.008%
350	14.422	14.416	14.441	VV	715	7448	0.16%	0.007%
351	14.454	14.441	14.466	VV	367	4074	0.09%	0.004%
352	14.473	14.466	14.490	VV	184	1586	0.03%	0.002%
353	14.508	14.490	14.517	PV	295	2275	0.05%	0.002%
354	14.563	14.517	14.592	VV	5220	94231	2.06%	0.089%
355	14.610	14.592	14.640	VV	1789	45789	1.00%	0.043%
356	14.659	14.640	14.704	VV	3661	62601	1.37%	0.059%
357	14.734	14.704	14.757	VV	6422	93851	2.06%	0.089%
358	14.764	14.757	14.777	VV	1934	20212	0.44%	0.019%
359	14.792	14.777	14.808	VV	1615	23478	0.51%	0.022%
360	14.838	14.808	14.858	VV	4110	70699	1.55%	0.067%
361	14.867	14.858	14.881	VV	1210	13454	0.29%	0.013%
362	14.903	14.881	14.924	VV	5562	69839	1.53%	0.066%
363	14.961	14.924	14.986	VV	4791	87246	1.91%	0.083%
364	14.993	14.986	15.004	VV	470	4356	0.10%	0.004%

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365	15.025	15.004	15.036	VV	860	11714	0.26%	0.011%
366	15.071	15.036	15.108	VV	108973	146515		
367	15.127	15.108	15.149	VV	1244	2273		
368	15.167	15.149	15.187	VV	1555	2238		
369	15.214	15.187	15.234	VV	18955	23956		
370	15.276	15.234	15.307	VV	182480	2668125	58.43%	2.527%
371	15.319	15.307	15.340	VV	2296	30055	0.66%	0.028%
372	15.377	15.340	15.403	VV	4832	76083	1.67%	0.072%
373	15.409	15.403	15.430	VV	1036	15022	0.33%	0.014%
374	15.458	15.430	15.488	VV	1719	31208	0.68%	0.030%
375	15.520	15.488	15.547	PV	2733	43407	0.95%	0.041%
376	15.570	15.547	15.594	VV	1728	38345	0.84%	0.036%
377	15.599	15.594	15.606	VV	587	3919	0.09%	0.004%
378	15.613	15.606	15.622	VV	494	4325	0.09%	0.004%
379	15.657	15.622	15.726	VV	50422	833908	18.26%	0.790%
380	15.733	15.726	15.745	VV	934	9603	0.21%	0.009%
381	15.756	15.745	15.770	VV	1129	12438	0.27%	0.012%
382	15.797	15.770	15.829	VV	8985	138516	3.03%	0.131%
383	15.874	15.829	15.911	VV	6961	175285	3.84%	0.166%
384	15.927	15.911	15.963	VV	2849	44262	0.97%	0.042%
385	15.975	15.963	15.992	VV	994	11914	0.26%	0.011%
386	16.050	15.992	16.089	VV	2977	94222	2.06%	0.089%
387	16.127	16.089	16.154	VV	1857	40396	0.88%	0.038%
388	16.180	16.154	16.206	VV	2931	53802	1.18%	0.051%
389	16.214	16.206	16.234	VV	1372	16319	0.36%	0.015%
390	16.253	16.234	16.266	VV	1724	22667	0.50%	0.021%
391	16.302	16.266	16.344	VV	180313	2412208	52.83%	2.285%
392	16.365	16.344	16.384	VV	3349	47126	1.03%	0.045%
393	16.389	16.384	16.393	VV	596	3026	0.07%	0.003%
394	16.398	16.393	16.416	VV	705	6524	0.14%	0.006%
395	16.424	16.416	16.427	VV	491	2573	0.06%	0.002%
396	16.433	16.427	16.452	VV	474	3247	0.07%	0.003%
397	16.456	16.452	16.462	VV	115	343	0.01%	0.000%
398	16.495	16.462	16.501	PV	2113	25552	0.56%	0.024%
399	16.506	16.501	16.528	VV	1929	22351	0.49%	0.021%
400	16.531	16.528	16.544	VV	705	5379	0.12%	0.005%
401	16.567	16.544	16.578	VV	1532	22057	0.48%	0.021%
402	16.603	16.578	16.629	VV	3653	73376	1.61%	0.069%
403	16.634	16.629	16.646	VV	1486	13829	0.30%	0.013%
404	16.675	16.646	16.730	VV	25799	497604	10.90%	0.471%
405	16.782	16.730	16.802	VV	34009	550325	12.05%	0.521%
406	16.807	16.802	16.835	VV	11118	104409	2.29%	0.099%
407	16.862	16.835	16.891	VV	5564	95650	2.09%	0.091%
408	16.912	16.891	16.939	VV	6432	100835	2.21%	0.096%
409	16.948	16.939	16.961	VV	1770	21540	0.47%	0.020%
410	16.981	16.961	16.990	VV	1591	26164	0.57%	0.025%
411	17.000	16.990	17.017	VV	1499	20496	0.45%	0.019%

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412	17.036	17.017	17.041	VV	1446	17555	0.38%	0.017%
413	17.103	17.041	17.128	VV	15726	27267		
414	17.160	17.128	17.201	VV	19400	28456		
415	17.255	17.201	17.283	VV	173124	247664		
416	17.304	17.283	17.319	VV	20769	31943		
417	17.330	17.319	17.363	VV	16818	237953	5.21%	0.225%
418	17.373	17.363	17.378	VV	2378	20384	0.45%	0.019%
419	17.403	17.378	17.411	VV	2659	47460	1.04%	0.045%
420	17.415	17.411	17.423	VV	2602	17048	0.37%	0.016%
421	17.426	17.423	17.432	VV	2238	10774	0.24%	0.010%
422	17.444	17.432	17.449	VV	2431	21961	0.48%	0.021%
423	17.475	17.449	17.487	VV	3067	61676	1.35%	0.058%
424	17.526	17.487	17.553	VV	4909	152397	3.34%	0.144%
425	17.577	17.553	17.592	VV	3970	82401	1.80%	0.078%
426	17.622	17.592	17.659	VV	24770	491603	10.77%	0.466%
427	17.707	17.659	17.732	VV	26308	513981	11.26%	0.487%
428	17.751	17.732	17.771	VV	8293	137910	3.02%	0.131%
429	17.789	17.771	17.809	VV	5804	113149	2.48%	0.107%
430	17.823	17.809	17.853	VV	6290	123381	2.70%	0.117%
431	17.881	17.853	17.905	VV	4501	102588	2.25%	0.097%
432	17.925	17.905	17.934	VV	3509	52491	1.15%	0.050%
433	17.944	17.934	17.961	VV	3421	48931	1.07%	0.046%
434	17.986	17.961	17.997	VV	3740	68376	1.50%	0.065%
435	18.013	17.997	18.018	VV	3660	43734	0.96%	0.041%
436	18.044	18.018	18.049	VV	5256	84502	1.85%	0.080%
437	18.055	18.049	18.062	VV	5266	41042	0.90%	0.039%
438	18.080	18.062	18.087	VV	6296	87358	1.91%	0.083%
439	18.100	18.087	18.104	VV	7151	66855	1.46%	0.063%
440	18.146	18.104	18.185	VV	178010	2626698	57.52%	2.488%
441	18.236	18.185	18.264	VV	18181	432539	9.47%	0.410%
442	18.301	18.264	18.322	VV	10769	277404	6.07%	0.263%
443	18.329	18.322	18.351	VV	8182	125947	2.76%	0.119%
444	18.355	18.351	18.362	VV	6656	45424	0.99%	0.043%
445	18.381	18.362	18.417	VV	9839	239220	5.24%	0.227%
446	18.447	18.417	18.460	VV	10185	204968	4.49%	0.194%
447	18.472	18.460	18.483	VV	11661	151932	3.33%	0.144%
448	18.509	18.483	18.550	VV	47825	1184735	25.94%	1.122%
449	18.570	18.550	18.601	VV	44127	770608	16.88%	0.730%
450	18.630	18.601	18.636	VV	9062	178454	3.91%	0.169%
451	18.641	18.636	18.646	VV	9082	52776	1.16%	0.050%
452	18.668	18.646	18.687	VV	19429	355413	7.78%	0.337%
453	18.705	18.687	18.730	VV	13344	284268	6.23%	0.269%
454	18.733	18.730	18.760	VV	8547	136692	2.99%	0.129%
455	18.793	18.760	18.816	VV	20524	401969	8.80%	0.381%
456	18.834	18.816	18.839	VV	8418	108642	2.38%	0.103%
457	18.876	18.839	18.902	VV	10823	362121	7.93%	0.343%
458	18.930	18.902	18.947	VV	13751	302427	6.62%	0.286%
459	18.982	18.947	19.043	VV	178835	3107213	68.05%	2.943%

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460	19.082	19.043	19.120	VV	27905	833154	18.25%	0.789%
461	19.143	19.120	19.165	VV	16497	39123		
462	19.185	19.165	19.209	VV	12886	30932		
463	19.234	19.209	19.245	VV	12707	25986		
464	19.271	19.245	19.286	VV	14338	31398		
465	19.342	19.286	19.368	VV	60789	1528294	33.47%	1.448%
466	19.383	19.368	19.435	VV	34987	1044394	22.87%	0.989%
467	19.471	19.435	19.498	VV	30241	909758	19.92%	0.862%
468	19.513	19.498	19.544	VV	26892	600265	13.15%	0.569%
469	19.584	19.544	19.607	VV	19584	659050	14.43%	0.624%
470	19.627	19.607	19.677	VV	26755	913962	20.02%	0.866%
471	19.682	19.677	19.711	VV	19980	349828	7.66%	0.331%
472	19.768	19.711	19.810	VV	192178	3611022	79.08%	3.420%
473	19.834	19.810	19.853	VV	29669	642987	14.08%	0.609%
474	19.879	19.853	19.906	VV	30341	798011	17.48%	0.756%
475	19.950	19.906	19.987	VV	27245	1118616	24.50%	1.059%
476	19.991	19.987	19.996	VV	19988	115803	2.54%	0.110%
477	20.028	19.996	20.034	VV	24894	503911	11.04%	0.477%
478	20.061	20.034	20.088	VV	25849	786378	17.22%	0.745%
479	20.124	20.088	20.162	VV	130664	2626248	57.51%	2.487%
480	20.171	20.162	20.175	VV	27962	214358	4.69%	0.203%
481	20.179	20.175	20.209	VV	27784	525603	11.51%	0.498%
482	20.216	20.209	20.222	VV	25297	200490	4.39%	0.190%
483	20.231	20.222	20.259	VV	26027	546503	11.97%	0.518%
484	20.265	20.259	20.270	VV	24491	158152	3.46%	0.150%
485	20.275	20.270	20.292	VV	25094	321450	7.04%	0.304%
486	20.335	20.292	20.357	VV	31498	1107322	24.25%	1.049%
487	20.363	20.357	20.365	VV	26475	120242	2.63%	0.114%
488	20.393	20.365	20.439	VV	32705	1260826	27.61%	1.194%
489	20.509	20.439	20.547	VV	215927	4566352	100.00%	4.325%
490	20.556	20.547	20.571	VV	29965	424583	9.30%	0.402%
491	20.592	20.571	20.608	VV	30331	653842	14.32%	0.619%
492	20.624	20.608	20.634	VV	30724	453065	9.92%	0.429%
493	20.677	20.634	20.693	VV	40774	1189288	26.04%	1.126%
494	20.715	20.693	20.739	VV	53791	1131442	24.78%	1.072%
495	20.747	20.739	20.766	VV	31819	504902	11.06%	0.478%
496	20.775	20.766	20.791	VV	31888	466356	10.21%	0.442%
497	20.827	20.791	20.834	VV	33465	801478	17.55%	0.759%
498	20.841	20.834	20.845	VV	32281	223441	4.89%	0.212%
499	20.858	20.845	20.904	VV	34412	1084941	23.76%	1.028%
500	20.909	20.904	20.920	VV	27761	257486	5.64%	0.244%
501	20.925	20.920	20.946	VV	27625	408059	8.94%	0.386%
502	20.964	20.946	20.971	VV	24412	347937	7.62%	0.330%
503	20.989	20.971	21.019	VV	25818	702635	15.39%	0.665%
504	21.024	21.019	21.028	VV	24072	131452	2.88%	0.125%
505	21.036	21.028	21.040	VV	25091	183647	4.02%	0.174%
506	21.048	21.040	21.055	VV	24245	217160	4.76%	0.206%

Instrument :

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507	21.069	21.055	21.076	VV	24618	294928	6.46%	0.279%
508	21.084	21.076	21.090	VV	25128	21693		
509	21.102	21.090	21.107	VV	25530	25045		
510	21.113	21.107	21.123	VV	25668	24018		
511	21.130	21.123	21.136	VV	24609	18957		
512	21.145	21.136	21.151	VV	24641	208992	4.58%	0.198%
513	21.156	21.151	21.168	VV	24366	251348	5.50%	0.238%
514	21.177	21.168	21.187	VV	23563	250633	5.49%	0.237%
515	21.193	21.187	21.220	VV	23032	441656	9.67%	0.418%
516	21.266	21.220	21.314	VV	168556	3968084	86.90%	3.758%
517	21.318	21.314	21.332	VV	19244	204520	4.48%	0.194%
518	21.338	21.332	21.352	VV	19894	234184	5.13%	0.222%
519	21.366	21.352	21.380	VV	19629	325551	7.13%	0.308%
520	21.385	21.380	21.391	VV	18942	119506	2.62%	0.113%
521	21.402	21.391	21.412	VV	18829	225150	4.93%	0.213%
522	21.421	21.412	21.429	VV	18496	187668	4.11%	0.178%
523	21.435	21.429	21.442	VV	17527	134201	2.94%	0.127%
524	21.448	21.442	21.456	VV	17158	136010	2.98%	0.129%
525	21.468	21.456	21.505	VV	16523	446725	9.78%	0.423%
526	21.509	21.505	21.513	VV	13620	57147	1.25%	0.054%
527	21.528	21.513	21.538	VV	14272	209580	4.59%	0.199%
528	21.545	21.538	21.550	VV	13893	98241	2.15%	0.093%
529	21.579	21.550	21.589	VV	14215	321821	7.05%	0.305%
530	21.599	21.589	21.610	VV	13934	170533	3.73%	0.162%
531	21.629	21.610	21.634	VV	14575	191885	4.20%	0.182%
532	21.648	21.634	21.659	VV	14982	214829	4.70%	0.203%
533	21.668	21.659	21.676	VV	15214	155558	3.41%	0.147%
534	21.683	21.676	21.690	VV	15627	122191	2.68%	0.116%
535	21.697	21.690	21.703	VV	15559	124875	2.73%	0.118%
536	21.715	21.703	21.724	VV	16524	196850	4.31%	0.186%
537	21.729	21.724	21.750	VV	16497	252367	5.53%	0.239%
538	21.758	21.750	21.839	VV	15733	614892	13.47%	0.582%
539	21.843	21.839	21.865	VV	8800	125943	2.76%	0.119%
540	21.873	21.865	21.878	VV	7800	58703	1.29%	0.056%
541	21.883	21.878	21.901	VV	7820	101185	2.22%	0.096%
542	21.927	21.901	21.937	VV	8637	166697	3.65%	0.158%
543	21.958	21.937	21.963	VV	8424	129941	2.85%	0.123%
544	21.970	21.963	21.991	VV	8881	133399	2.92%	0.126%
545	21.999	21.991	22.010	VV	7613	87018	1.91%	0.082%
546	22.016	22.010	22.022	VV	8094	52407	1.15%	0.050%
547	22.032	22.022	22.038	VV	8036	74727	1.64%	0.071%
548	22.066	22.038	22.071	VV	8736	159466	3.49%	0.151%
549	22.074	22.071	22.094	VV	8513	103446	2.27%	0.098%
550	22.100	22.094	22.110	VV	7041	66188	1.45%	0.063%
551	22.117	22.110	22.126	VV	7635	68818	1.51%	0.065%
552	22.159	22.126	22.164	VV	8334	168925	3.70%	0.160%
553	22.216	22.164	22.300	VBA	122924	3182894	69.70%	3.015%

Sum of corrected areas: 105581405

Instrument :

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