

Instrument :

FID_G

ClientSampleId :

PNNL-B-0609-1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012180.D

Data File : FG012180.D

Signal(s) : FID1A.ch

Acq On : 14 Jun 2023 16:30

Sample : 03160-01

Misc :

ALS Vial : 16 Sample Multiplier: 1

Reviewed By :Yogesh Patel 06/15/2023
Supervised By :Ankita Jodhani 06/15/2023

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG060223.M

Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.953	1.933	1.963	BV	-2	-93	-0.00%	-0.000%
2	1.967	1.963	1.990	PV	73	849	0.01%	0.000%
3	1.999	1.990	2.008	PV	80	309	0.00%	0.000%
4	2.013	2.008	2.017	VV	52	198	0.00%	0.000%
5	2.033	2.017	2.080	VV	264	4896	0.06%	0.002%
6	2.084	2.080	2.095	VV	74	417	0.01%	0.000%
7	2.103	2.095	2.136	PV	108	1560	0.02%	0.001%
8	2.143	2.136	2.178	VV	91	705	0.01%	0.000%
9	2.194	2.178	2.208	PV	83	757	0.01%	0.000%
10	2.219	2.208	2.223	VV	80	532	0.01%	0.000%
11	2.227	2.223	2.246	VV	98	833	0.01%	0.000%
12	2.250	2.246	2.258	VV	107	724	0.01%	0.000%
13	2.270	2.258	2.317	VV	821	14336	0.19%	0.006%
14	2.322	2.317	2.326	VV	186	861	0.01%	0.000%
15	2.336	2.326	2.363	VV	228	3065	0.04%	0.001%
16	2.379	2.363	2.394	VV	193	2601	0.03%	0.001%
17	2.398	2.394	2.406	VV	182	1030	0.01%	0.000%
18	2.410	2.406	2.440	VV	192	3107	0.04%	0.001%
19	2.446	2.440	2.462	VV	200	1853	0.02%	0.001%
20	2.465	2.462	2.472	VV	144	730	0.01%	0.000%
21	2.478	2.472	2.484	VV	155	957	0.01%	0.000%
22	2.494	2.484	2.513	VV	201	2754	0.04%	0.001%
23	2.516	2.513	2.527	VV	149	828	0.01%	0.000%
24	2.538	2.527	2.544	VV	231	1330	0.02%	0.001%
25	2.550	2.544	2.578	VV	188	2878	0.04%	0.001%
26	2.582	2.578	2.587	VV	97	448	0.01%	0.000%
27	2.602	2.587	2.618	VV	274	3618	0.05%	0.002%
28	2.624	2.618	2.671	VV	233	4139	0.05%	0.002%
29	2.682	2.671	2.688	PV	94	440	0.01%	0.000%
30	2.723	2.688	2.749	VV	571	11267	0.15%	0.005%
31	2.754	2.749	2.778	VV	181	1799	0.02%	0.001%

32	2.782	2.778	2.801	VV	162	1274	0.02%	0.001%
33	2.815	2.801	2.825	VV	323	328		
34	2.832	2.825	2.868	VV	335	562		
35	2.883	2.868	2.888	VV	289	235		
36	2.930	2.888	2.973	VV	740	2176		
37	2.989	2.973	3.020	VV	468	7649	0.10%	0.003%
38	3.036	3.020	3.085	VV	723	15410	0.20%	0.007%
39	3.093	3.085	3.120	VV	214	2865	0.04%	0.001%
40	3.143	3.120	3.169	VV	270	4201	0.06%	0.002%
41	3.173	3.169	3.178	VV	109	475	0.01%	0.000%
42	3.185	3.178	3.200	VV	121	1096	0.01%	0.000%
43	3.208	3.200	3.215	VV	84	467	0.01%	0.000%
44	3.226	3.215	3.242	VV	87	985	0.01%	0.000%
45	3.248	3.242	3.265	VV	94	831	0.01%	0.000%
46	3.290	3.265	3.323	VV	360	5671	0.07%	0.003%
47	3.336	3.323	3.351	VV	149	1354	0.02%	0.001%
48	3.358	3.351	3.363	VV	81	295	0.00%	0.000%
49	3.369	3.363	3.388	VV	66	494	0.01%	0.000%
50	3.405	3.388	3.417	VV	171	1598	0.02%	0.001%
51	3.428	3.417	3.433	VV	159	985	0.01%	0.000%
52	3.436	3.433	3.454	VV	120	896	0.01%	0.000%
53	3.461	3.454	3.473	VV	118	727	0.01%	0.000%
54	3.480	3.473	3.498	VV	169	1634	0.02%	0.001%
55	3.503	3.498	3.509	VV	147	857	0.01%	0.000%
56	3.533	3.509	3.544	VV	252	4206	0.06%	0.002%
57	3.549	3.544	3.569	VV	195	1915	0.03%	0.001%
58	3.578	3.569	3.587	VV	111	852	0.01%	0.000%
59	3.601	3.587	3.622	VV	221	3454	0.05%	0.002%
60	3.629	3.622	3.649	VV	209	2571	0.03%	0.001%
61	3.655	3.649	3.699	VV	185	3866	0.05%	0.002%
62	3.707	3.699	3.713	VV	121	714	0.01%	0.000%
63	3.743	3.713	3.769	VV	636	11037	0.14%	0.005%
64	3.780	3.769	3.808	VV	364	6474	0.08%	0.003%
65	3.813	3.808	3.816	VV	241	1069	0.01%	0.000%
66	3.822	3.816	3.829	VV	260	1657	0.02%	0.001%
67	3.840	3.829	3.846	VV	199	1738	0.02%	0.001%
68	3.877	3.846	3.895	VV	499	8328	0.11%	0.004%
69	3.900	3.895	3.943	VV	333	6089	0.08%	0.003%
70	3.945	3.943	3.949	VV	140	397	0.01%	0.000%
71	3.974	3.949	4.010	VV	402	7616	0.10%	0.003%
72	4.013	4.010	4.043	VV	122	1304	0.02%	0.001%
73	4.056	4.043	4.063	PV	163	1191	0.02%	0.001%
74	4.109	4.063	4.135	VV	882	20047	0.26%	0.009%
75	4.163	4.135	4.173	VV	651	12012	0.16%	0.005%
76	4.183	4.173	4.233	VV	697	16031	0.21%	0.007%
77	4.265	4.233	4.296	VV	617	16223	0.21%	0.007%
78	4.314	4.296	4.345	VV	1004	17683	0.23%	0.008%
79	4.349	4.345	4.372	VV	399	4509	0.06%	0.002%

Instrument :

FID_G

ClientSampleId :

PNNL-B-0609-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/15/2023

Supervised By :Ankita Jodhani 06/15/2023

80	4.404	4.372	4.423	VV	410	8496	0.11%	0.004%
81	4.428	4.423	4.436	VV	250	178		
82	4.440	4.436	4.446	VV	259	128		
83	4.452	4.446	4.462	VV	227	172		
84	4.465	4.462	4.470	VV	170	68		
85	4.476	4.470	4.480	VV	203	988	0.01%	0.000%
86	4.489	4.480	4.494	VV	194	1462	0.02%	0.001%
87	4.497	4.494	4.512	VV	207	1721	0.02%	0.001%
88	4.517	4.512	4.523	VV	139	736	0.01%	0.000%
89	4.539	4.523	4.565	VV	753	9058	0.12%	0.004%
90	4.580	4.565	4.594	VV	365	4472	0.06%	0.002%
91	4.599	4.594	4.603	VV	235	1016	0.01%	0.000%
92	4.620	4.603	4.640	VV	347	5923	0.08%	0.003%
93	4.664	4.640	4.684	VV	368	6989	0.09%	0.003%
94	4.715	4.684	4.741	VV	611	12709	0.17%	0.006%
95	4.772	4.741	4.802	VV	712	15068	0.20%	0.007%
96	4.819	4.802	4.839	VV	338	5988	0.08%	0.003%
97	4.861	4.839	4.873	VV	375	6147	0.08%	0.003%
98	4.884	4.873	4.888	VV	233	1831	0.02%	0.001%
99	4.902	4.888	4.910	VV	253	2663	0.03%	0.001%
100	4.928	4.910	4.977	VV	432	12570	0.16%	0.006%
101	4.981	4.977	4.985	VV	267	1357	0.02%	0.001%
102	5.000	4.985	5.010	VV	338	4276	0.06%	0.002%
103	5.022	5.010	5.032	VV	322	3819	0.05%	0.002%
104	5.042	5.032	5.046	VV	326	2451	0.03%	0.001%
105	5.051	5.046	5.074	VV	326	4242	0.06%	0.002%
106	5.079	5.074	5.089	VV	219	1510	0.02%	0.001%
107	5.101	5.089	5.113	VV	194	2064	0.03%	0.001%
108	5.118	5.113	5.129	VV	138	1060	0.01%	0.000%
109	5.134	5.129	5.141	VV	112	637	0.01%	0.000%
110	5.151	5.141	5.174	VV	173	2404	0.03%	0.001%
111	5.200	5.174	5.227	VV	332	5577	0.07%	0.002%
112	5.231	5.227	5.236	VV	136	513	0.01%	0.000%
113	5.242	5.236	5.253	VV	218	1564	0.02%	0.001%
114	5.266	5.253	5.271	VV	241	2067	0.03%	0.001%
115	5.286	5.271	5.315	VV	303	5842	0.08%	0.003%
116	5.320	5.315	5.324	VV	175	828	0.01%	0.000%
117	5.328	5.324	5.341	VV	236	1649	0.02%	0.001%
118	5.359	5.341	5.396	VV	359	6254	0.08%	0.003%
119	5.399	5.396	5.408	VV	115	438	0.01%	0.000%
120	5.424	5.408	5.435	VV	183	1733	0.02%	0.001%
121	5.458	5.435	5.465	VV	163	1522	0.02%	0.001%
122	5.486	5.465	5.510	VV	1367	17012	0.22%	0.008%
123	5.520	5.510	5.539	VV	360	4815	0.06%	0.002%
124	5.554	5.539	5.584	VV	397	5713	0.07%	0.003%
125	5.588	5.584	5.592	VV	100	321	0.00%	0.000%
126	5.601	5.592	5.607	VV	107	678	0.01%	0.000%

Instrument :

FID_G

ClientSampleId :

PNNL-B-0609-1

Manual IntegrationsAPPROVED

 Reviewed By :Yogesh Patel 06/15/2023
 Supervised By :Ankita Jodhani 06/15/2023

127	5.621	5.607	5.636	VV	142	1386	0.02%	0.001%
128	5.650	5.636	5.659	PV	106	72		
129	5.677	5.659	5.694	VV	630	786		
130	5.699	5.694	5.722	VV	336	369		
131	5.727	5.722	5.739	VV	201	152		
132	5.744	5.739	5.748	VV	129	616	0.01%	0.000%
133	5.760	5.748	5.775	VV	213	2214	0.03%	0.001%
134	5.797	5.775	5.822	VV	424	6101	0.08%	0.003%
135	5.827	5.822	5.843	VV	208	1468	0.02%	0.001%
136	5.847	5.843	5.851	VV	117	524	0.01%	0.000%
137	5.871	5.851	5.905	VV	318	4954	0.06%	0.002%
138	5.946	5.905	5.960	VV	331	5467	0.07%	0.002%
139	5.988	5.960	5.996	VV	392	6155	0.08%	0.003%
140	6.001	5.996	6.007	VV	373	2058	0.03%	0.001%
141	6.014	6.007	6.033	VV	303	3337	0.04%	0.001%
142	6.036	6.033	6.050	VV	153	1341	0.02%	0.001%
143	6.067	6.050	6.074	VV	218	2310	0.03%	0.001%
144	6.085	6.074	6.094	VV	126	1188	0.02%	0.001%
145	6.118	6.094	6.143	VV	245	5069	0.07%	0.002%
146	6.152	6.143	6.179	VV	363	5687	0.07%	0.003%
147	6.193	6.179	6.205	VV	246	3136	0.04%	0.001%
148	6.208	6.205	6.220	VV	260	1649	0.02%	0.001%
149	6.251	6.220	6.340	VV	1680	37549	0.49%	0.017%
150	6.354	6.340	6.375	VV	245	2914	0.04%	0.001%
151	6.389	6.375	6.394	VV	171	1368	0.02%	0.001%
152	6.421	6.394	6.457	VV	564	10700	0.14%	0.005%
153	6.461	6.457	6.468	VV	131	666	0.01%	0.000%
154	6.490	6.468	6.512	VV	244	4419	0.06%	0.002%
155	6.550	6.512	6.576	VV	1183	17501	0.23%	0.008%
156	6.597	6.576	6.618	VV	469	7789	0.10%	0.003%
157	6.632	6.618	6.643	VV	358	3822	0.05%	0.002%
158	6.647	6.643	6.651	VV	254	1064	0.01%	0.000%
159	6.656	6.651	6.684	VV	236	3258	0.04%	0.001%
160	6.707	6.684	6.739	VV	705	10296	0.13%	0.005%
161	6.748	6.739	6.752	VV	229	1431	0.02%	0.001%
162	6.787	6.752	6.815	VV	476	9732	0.13%	0.004%
163	6.827	6.815	6.833	VV	170	1375	0.02%	0.001%
164	6.838	6.833	6.843	VV	139	674	0.01%	0.000%
165	6.860	6.843	6.884	VV	516	7480	0.10%	0.003%
166	6.894	6.884	6.923	VV	324	4361	0.06%	0.002%
167	6.929	6.923	6.951	VV	162	1347	0.02%	0.001%
168	6.972	6.951	6.983	PV	216	2483	0.03%	0.001%
169	6.992	6.983	7.009	VV	170	1679	0.02%	0.001%
170	7.052	7.009	7.083	VV	283	7521	0.10%	0.003%
171	7.084	7.083	7.088	VV	173	469	0.01%	0.000%
172	7.115	7.088	7.138	VV	424	7163	0.09%	0.003%
173	7.152	7.138	7.159	VV	319	3053	0.04%	0.001%
174	7.164	7.159	7.180	VV	332	2935	0.04%	0.001%

Instrument :

FID_G

ClientSampleId :

PNNL-B-0609-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/15/2023
Supervised By :Ankita Jodhani 06/15/2023

175	7.212	7.180	7.233	VV	714	15733	0.21%	0.007%
176	7.241	7.233	7.260	VV	610	802		
177	7.283	7.260	7.296	VV	523	927		
178	7.299	7.296	7.312	VV	343	286		
179	7.347	7.312	7.377	VV	1214	2243		
180	7.386	7.377	7.397	VV	374	3903	0.05%	0.002%
181	7.402	7.397	7.415	VV	344	3132	0.04%	0.001%
182	7.428	7.415	7.461	VV	557	8224	0.11%	0.004%
183	7.482	7.461	7.504	VV	1109	14036	0.18%	0.006%
184	7.525	7.504	7.540	VV	1146	14016	0.18%	0.006%
185	7.551	7.540	7.581	VV	541	8545	0.11%	0.004%
186	7.609	7.581	7.619	VV	315	5114	0.07%	0.002%
187	7.635	7.619	7.640	VV	564	5445	0.07%	0.002%
188	7.655	7.640	7.683	VV	1024	15109	0.20%	0.007%
189	7.691	7.683	7.708	VV	250	3248	0.04%	0.001%
190	7.722	7.708	7.759	VV	335	6612	0.09%	0.003%
191	7.784	7.759	7.800	VV	220	2991	0.04%	0.001%
192	7.831	7.800	7.870	VV	369	7114	0.09%	0.003%
193	7.887	7.870	7.903	VV	199	2100	0.03%	0.001%
194	7.909	7.903	7.918	PV	69	367	0.00%	0.000%
195	7.942	7.918	7.965	VV	334	4240	0.06%	0.002%
196	7.977	7.965	7.982	VV	62	495	0.01%	0.000%
197	8.026	7.982	8.056	VV	260	5285	0.07%	0.002%
198	8.084	8.056	8.103	PV	1179	16944	0.22%	0.008%
199	8.110	8.103	8.120	VV	615	5883	0.08%	0.003%
200	8.132	8.120	8.169	VV	561	11552	0.15%	0.005%
201	8.177	8.169	8.181	VV	257	1537	0.02%	0.001%
202	8.186	8.181	8.211	VV	298	2863	0.04%	0.001%
203	8.240	8.211	8.249	VV	509	8738	0.11%	0.004%
204	8.265	8.249	8.281	VV	911	12463	0.16%	0.006%
205	8.286	8.281	8.299	VV	480	4094	0.05%	0.002%
206	8.313	8.299	8.322	VV	401	4573	0.06%	0.002%
207	8.357	8.322	8.395	VV	961	23502	0.31%	0.011%
208	8.431	8.395	8.446	VV	1437	27305	0.36%	0.012%
209	8.460	8.446	8.476	VV	1843	23763	0.31%	0.011%
210	8.490	8.476	8.503	VV	1148	14334	0.19%	0.006%
211	8.535	8.503	8.589	VV	2356	59497	0.78%	0.027%
212	8.646	8.589	8.690	VV	12342	185081	2.42%	0.083%
213	8.691	8.690	8.716	VV	1454	15290	0.20%	0.007%
214	8.737	8.716	8.776	VV	747	20521	0.27%	0.009%
215	8.784	8.776	8.820	VV	409	6328	0.08%	0.003%
216	8.827	8.820	8.848	VV	186	1777	0.02%	0.001%
217	8.868	8.848	8.875	PV	327	3424	0.04%	0.002%
218	8.908	8.875	8.921	VV	1230	22046	0.29%	0.010%
219	8.943	8.921	8.978	VV	8622	113293	1.48%	0.051%
220	8.992	8.978	9.021	VV	1563	30037	0.39%	0.013%
221	9.032	9.021	9.045	VV	934	11950	0.16%	0.005%

Instrument :

FID_G

ClientSampleId :

PNNL-B-0609-1

Manual IntegrationsAPPROVED

 Reviewed By :Yogesh Patel 06/15/2023
 Supervised By :Ankita Jodhani 06/15/2023

222	9.063	9.045	9.068	VV	1087	13670	0.18%	0.006%
223	9.078	9.068	9.103	VV	1173	15277		
224	9.131	9.103	9.150	VV	621	12355		
225	9.166	9.150	9.171	VV	767	777		
226	9.187	9.171	9.204	VV	1507	2074		
227	9.222	9.204	9.245	VV	2459	32130	0.42%	0.014%
228	9.280	9.245	9.341	VV	2055	53216	0.70%	0.024%
229	9.362	9.341	9.383	VV	2625	37206	0.49%	0.017%
230	9.399	9.383	9.437	VV	1425	22010	0.29%	0.010%
231	9.458	9.437	9.484	VV	640	8588	0.11%	0.004%
232	9.514	9.484	9.532	VV	1333	15939	0.21%	0.007%
233	9.548	9.532	9.576	VV	1135	14912	0.20%	0.007%
234	9.598	9.576	9.621	VV	1460	19130	0.25%	0.009%
235	9.651	9.621	9.675	VV	1236	19797	0.26%	0.009%
236	9.696	9.675	9.714	VV	2655	33596	0.44%	0.015%
237	9.735	9.714	9.792	VV	6511	112195	1.47%	0.050%
238	9.813	9.792	9.844	VV	2025	34701	0.45%	0.016%
239	9.857	9.844	9.864	VV	987	9720	0.13%	0.004%
240	9.883	9.864	9.908	VV	2987	48056	0.63%	0.022%
241	9.913	9.908	9.928	VV	816	8986	0.12%	0.004%
242	9.944	9.928	9.966	VV	1309	21641	0.28%	0.010%
243	9.975	9.966	9.985	VV	819	8225	0.11%	0.004%
244	10.013	9.985	10.041	VV	48736	537542	7.04%	0.241%
245	10.057	10.041	10.125	VV	4213	111099	1.46%	0.050%
246	10.147	10.125	10.176	VV	3570	74081	0.97%	0.033%
247	10.186	10.176	10.208	VV	1481	20903	0.27%	0.009%
248	10.220	10.208	10.232	VV	787	9798	0.13%	0.004%
249	10.251	10.232	10.276	VV	920	14122	0.18%	0.006%
250	10.318	10.276	10.356	VV	655	16174	0.21%	0.007%
251	10.360	10.356	10.371	VV	213	1008	0.01%	0.000%
252	10.394	10.371	10.408	PV	516	5509	0.07%	0.002%
253	10.420	10.408	10.434	VV	248	3244	0.04%	0.001%
254	10.448	10.434	10.463	VV	717	7922	0.10%	0.004%
255	10.486	10.463	10.514	VV	10838	123142	1.61%	0.055%
256	10.534	10.514	10.555	VV	1633	22895	0.30%	0.010%
257	10.591	10.555	10.604	VV	1877	32985	0.43%	0.015%
258	10.621	10.604	10.643	VV	2869	39777	0.52%	0.018%
259	10.663	10.643	10.705	VV	1933	35183	0.46%	0.016%
260	10.736	10.705	10.773	VV	2651	48103	0.63%	0.022%
261	10.797	10.773	10.826	VV	4691	79638	1.04%	0.036%
262	10.841	10.826	10.857	VV	1950	27042	0.35%	0.012%
263	10.885	10.857	10.897	VV	2998	47473	0.62%	0.021%
264	10.908	10.897	10.922	VV	2752	30657	0.40%	0.014%
265	10.946	10.922	10.980	VV	5278	104130	1.36%	0.047%
266	10.989	10.980	11.001	VV	1014	11417	0.15%	0.005%
267	11.012	11.001	11.025	VV	1173	13893	0.18%	0.006%
268	11.041	11.025	11.071	VV	1839	28161	0.37%	0.013%
269	11.078	11.071	11.087	VV	467	3719	0.05%	0.002%

Instrument :

FID_G

ClientSampleId :

PNNL-B-0609-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/15/2023
Supervised By :Ankita Jodhani 06/15/2023

270	11.109	11.087	11.119	VV	3003	34050	0.45%	0.015%
271	11.142	11.119	11.191	VV	93392	105675		
272	11.218	11.191	11.263	VV	31608	39312		
273	11.268	11.263	11.295	VV	1486	2281		
274	11.316	11.295	11.349	VV	1041	2237		
275	11.358	11.349	11.382	VV	320	3389	0.04%	0.002%
276	11.397	11.382	11.415	PV	586	5883	0.08%	0.003%
277	11.440	11.415	11.476	VV	6458	89064	1.17%	0.040%
278	11.517	11.476	11.531	VV	1028	18933	0.25%	0.008%
279	11.560	11.531	11.571	VV	1622	31359	0.41%	0.014%
280	11.588	11.571	11.608	VV	3086	39733	0.52%	0.018%
281	11.638	11.608	11.647	VV	1126	19512	0.26%	0.009%
282	11.675	11.647	11.705	VV	5756	94093	1.23%	0.042%
283	11.722	11.705	11.726	VV	955	7108	0.09%	0.003%
284	11.743	11.726	11.765	VV	2027	27946	0.37%	0.013%
285	11.796	11.765	11.818	VV	1964	38377	0.50%	0.017%
286	11.848	11.818	11.888	VV	1953	46058	0.60%	0.021%
287	11.902	11.888	11.917	VV	637	7566	0.10%	0.003%
288	11.946	11.917	11.961	VV	14301	157434	2.06%	0.070%
289	11.978	11.961	12.022	VV	18225	225536	2.95%	0.101%
290	12.061	12.022	12.080	VV	17173	277669	3.64%	0.124%
291	12.096	12.080	12.110	VV	10245	118229	1.55%	0.053%
292	12.126	12.110	12.165	VV	13380	168150	2.20%	0.075%
293	12.201	12.165	12.226	PV	1235	26493	0.35%	0.012%
294	12.259	12.226	12.293	VV	3344	78855	1.03%	0.035%
295	12.315	12.293	12.342	VV	7322	110249	1.44%	0.049%
296	12.350	12.342	12.394	VV	2957	51556	0.68%	0.023%
297	12.418	12.394	12.446	VV	9461	125450	1.64%	0.056%
298	12.450	12.446	12.463	VV	1582	14484	0.19%	0.006%
299	12.512	12.463	12.551	VV	43580	586450	7.68%	0.262%
300	12.566	12.551	12.581	VV	2684	36798	0.48%	0.016%
301	12.596	12.581	12.612	VV	1569	21240	0.28%	0.010%
302	12.627	12.612	12.639	VV	1993	25225	0.33%	0.011%
303	12.667	12.639	12.681	VV	2496	48403	0.63%	0.022%
304	12.692	12.681	12.713	VV	2307	31293	0.41%	0.014%
305	12.739	12.713	12.751	VV	4819	61399	0.80%	0.027%
306	12.758	12.751	12.780	VV	3471	32851	0.43%	0.015%
307	12.807	12.780	12.828	PV	10002	133992	1.76%	0.060%
308	12.848	12.828	12.868	VV	12536	167073	2.19%	0.075%
309	12.906	12.868	12.938	VV	7301	217673	2.85%	0.097%
310	12.968	12.938	13.007	VV	210611	2363658	30.96%	1.058%
311	13.012	13.007	13.032	VV	1464	17927	0.23%	0.008%
312	13.038	13.032	13.051	VV	1019	8745	0.11%	0.004%
313	13.065	13.051	13.080	VV	1228	14572	0.19%	0.007%
314	13.104	13.080	13.135	VV	11733	186270	2.44%	0.083%
315	13.152	13.135	13.168	VV	7497	98124	1.29%	0.044%
316	13.182	13.168	13.196	VV	5397	71308	0.93%	0.032%

Instrument :

FID_G

ClientSampleId :

PNNL-B-0609-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/15/2023
Supervised By :Ankita Jodhani 06/15/2023

317	13.206	13.196	13.237	VV	4194	63353	0.83%	0.028%
318	13.266	13.237	13.301	VV	180230	199393		
319	13.321	13.301	13.337	VV	15044	18946		
320	13.353	13.337	13.382	VV	19199	24106		
321	13.395	13.382	13.414	VV	1983	3306		
322	13.440	13.414	13.462	VV	7052	105726	1.38%	0.047%
323	13.469	13.462	13.492	VV	2217	25794	0.34%	0.012%
324	13.535	13.492	13.564	PV	11647	220258	2.89%	0.099%
325	13.594	13.564	13.610	VV	5512	124223	1.63%	0.056%
326	13.614	13.610	13.643	VV	4748	52407	0.69%	0.023%
327	13.663	13.643	13.702	VV	5977	112407	1.47%	0.050%
328	13.728	13.702	13.802	VV	12464	299735	3.93%	0.134%
329	13.857	13.802	13.890	VV	26291	450057	5.90%	0.201%
330	13.922	13.890	13.938	VV	3460	53515	0.70%	0.024%
331	13.963	13.938	13.984	VV	13989	176074	2.31%	0.079%
332	14.004	13.984	14.027	VV	15671	197127	2.58%	0.088%
333	14.042	14.027	14.070	VV	4729	76391	1.00%	0.034%
334	14.105	14.070	14.117	VV	10574	173860	2.28%	0.078%
335	14.133	14.117	14.156	VV	14147	201072	2.63%	0.090%
336	14.175	14.156	14.218	VV	11106	155141	2.03%	0.069%
337	14.255	14.218	14.271	VV	3426	56513	0.74%	0.025%
338	14.294	14.271	14.303	VV	1715	28967	0.38%	0.013%
339	14.327	14.303	14.354	VV	3296	66205	0.87%	0.030%
340	14.368	14.354	14.378	VV	1443	16883	0.22%	0.008%
341	14.387	14.378	14.406	VV	1262	12637	0.17%	0.006%
342	14.423	14.406	14.428	PV	745	4580	0.06%	0.002%
343	14.451	14.428	14.457	VV	1201	15686	0.21%	0.007%
344	14.467	14.457	14.473	VV	951	8117	0.11%	0.004%
345	14.497	14.473	14.515	VV	3762	58225	0.76%	0.026%
346	14.523	14.515	14.528	VV	2235	16417	0.22%	0.007%
347	14.564	14.528	14.579	VV	6036	123348	1.62%	0.055%
348	14.599	14.579	14.642	VV	16476	259554	3.40%	0.116%
349	14.668	14.642	14.683	VV	5303	79028	1.04%	0.035%
350	14.698	14.683	14.713	VV	4829	68808	0.90%	0.031%
351	14.728	14.713	14.745	VV	3910	52269	0.68%	0.023%
352	14.772	14.745	14.813	VV	17018	310122	4.06%	0.139%
353	14.836	14.813	14.861	VV	24175	348776	4.57%	0.156%
354	14.905	14.861	14.943	VV	17954	349714	4.58%	0.156%
355	14.958	14.943	14.973	VV	3550	46321	0.61%	0.021%
356	15.003	14.973	15.044	VV	71161	1051865	13.78%	0.471%
357	15.048	15.044	15.070	VV	2204	24136	0.32%	0.011%
358	15.074	15.070	15.080	VV	669	3077	0.04%	0.001%
359	15.104	15.080	15.119	VV	6681	87126	1.14%	0.039%
360	15.150	15.119	15.171	VV	103655	1336648	17.51%	0.598%
361	15.192	15.171	15.224	VV	96492	1270100	16.64%	0.568%
362	15.247	15.224	15.271	VV	5009	97216	1.27%	0.043%
363	15.313	15.271	15.366	VV	25914	516571	6.77%	0.231%
364	15.401	15.366	15.428	VV	6704	133815	1.75%	0.060%

Instrument :

FID_G

ClientSampleId :

PNNL-B-0609-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/15/2023
Supervised By :Ankita Jodhani 06/15/2023

365	15.459	15.428	15.478	PV	12174	179942	2.36%	0.081%
366	15.494	15.478	15.525	VV	8053	16637		
367	15.529	15.525	15.556	VV	3683	4377		
368	15.589	15.556	15.626	VV	47233	76816		
369	15.636	15.626	15.674	VV	6066	9616		
370	15.694	15.674	15.707	PV	1994	22586	0.30%	0.010%
371	15.740	15.707	15.762	VV	6428	139078	1.82%	0.062%
372	15.783	15.762	15.789	VV	7019	71943	0.94%	0.032%
373	15.800	15.789	15.804	VV	7069	55235	0.72%	0.025%
374	15.824	15.804	15.845	VV	24318	335446	4.39%	0.150%
375	15.864	15.845	15.895	VV	12318	173742	2.28%	0.078%
376	15.910	15.895	15.932	VV	4306	65022	0.85%	0.029%
377	15.986	15.932	16.020	VV	14848	411315	5.39%	0.184%
378	16.063	16.020	16.088	VV	6399	155313	2.03%	0.069%
379	16.109	16.088	16.127	VV	3853	58633	0.77%	0.026%
380	16.148	16.127	16.170	VV	5800	86342	1.13%	0.039%
381	16.203	16.170	16.217	VV	6381	112163	1.47%	0.050%
382	16.234	16.217	16.245	VV	8240	108053	1.42%	0.048%
383	16.261	16.245	16.311	VV	7163	175763	2.30%	0.079%
384	16.329	16.311	16.346	VV	2077	29946	0.39%	0.013%
385	16.360	16.346	16.372	VV	1946	19539	0.26%	0.009%
386	16.383	16.372	16.393	VV	752	5049	0.07%	0.002%
387	16.426	16.393	16.453	PV	8478	197599	2.59%	0.088%
388	16.464	16.453	16.481	VV	6913	90376	1.18%	0.040%
389	16.506	16.481	16.516	VV	8758	122396	1.60%	0.055%
390	16.529	16.516	16.555	VV	10075	191714	2.51%	0.086%
391	16.570	16.555	16.579	VV	8503	105015	1.38%	0.047%
392	16.626	16.579	16.645	VV	13412	383835	5.03%	0.172%
393	16.662	16.645	16.680	VV	8485	134471	1.76%	0.060%
394	16.684	16.680	16.687	VV	6196	26064	0.34%	0.012%
395	16.719	16.687	16.736	VV	125536	1781940	23.34%	0.797%
396	16.745	16.736	16.773	VV	54020	634155	8.31%	0.284%
397	16.792	16.773	16.810	VV	9429	170659	2.24%	0.076%
398	16.849	16.810	16.871	VV	32203	576691	7.55%	0.258%
399	16.889	16.871	16.895	VV	10700	140594	1.84%	0.063%
400	16.905	16.895	16.920	VV	10527	139637	1.83%	0.062%
401	16.925	16.920	16.933	VV	8073	60813	0.80%	0.027%
402	16.942	16.933	16.956	VV	7844	94309	1.24%	0.042%
403	17.008	16.956	17.014	VV	18511	412064	5.40%	0.184%
404	17.042	17.014	17.071	VV	86732	1337171	17.52%	0.598%
405	17.100	17.071	17.131	VV	97858	1440977	18.87%	0.645%
406	17.136	17.131	17.140	VV	10255	50354	0.66%	0.023%
407	17.203	17.140	17.233	VV	46904	1192485	15.62%	0.534%
408	17.253	17.233	17.273	VV	17894	384530	5.04%	0.172%
409	17.278	17.273	17.296	VV	14419	179595	2.35%	0.080%
410	17.313	17.296	17.325	VV	15326	244033	3.20%	0.109%
411	17.350	17.325	17.357	VV	18504	310251	4.06%	0.139%

Instrument :

FID_G

ClientSampleId :

PNNL-B-0609-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/15/2023
Supervised By :Ankita Jodhani 06/15/2023

412	17.364	17.357	17.382	VV	18382	257309	3.37%	0.115%
413	17.386	17.382	17.393	VV	16580	10177		
414	17.413	17.393	17.426	VV	21808	37862		
415	17.432	17.426	17.450	VV	21671	27836		
416	17.472	17.450	17.480	VV	23029	38862		
417	17.503	17.480	17.529	VV	23713	614101	8.04%	0.275%
418	17.574	17.529	17.587	VV	23324	698300	9.15%	0.312%
419	17.604	17.587	17.618	VV	32230	507817	6.65%	0.227%
420	17.634	17.618	17.656	VV	26530	516423	6.76%	0.231%
421	17.680	17.656	17.698	VV	25012	562110	7.36%	0.251%
422	17.713	17.698	17.734	VV	25834	499834	6.55%	0.224%
423	17.757	17.734	17.790	VV	32780	857457	11.23%	0.384%
424	17.810	17.790	17.823	VV	27351	458628	6.01%	0.205%
425	17.833	17.823	17.856	VV	21681	404983	5.30%	0.181%
426	17.870	17.856	17.894	VV	19892	424781	5.56%	0.190%
427	17.912	17.894	17.942	VV	21998	576282	7.55%	0.258%
428	17.979	17.942	17.986	VV	28113	620183	8.12%	0.277%
429	17.990	17.986	18.010	VV	27219	376325	4.93%	0.168%
430	18.057	18.010	18.064	VV	36251	986408	12.92%	0.441%
431	18.076	18.064	18.106	VV	42875	890837	11.67%	0.399%
432	18.118	18.106	18.143	VV	28383	590263	7.73%	0.264%
433	18.164	18.143	18.180	VV	29958	634864	8.32%	0.284%
434	18.221	18.180	18.238	VV	54274	1432249	18.76%	0.641%
435	18.259	18.238	18.297	VV	48691	1461887	19.15%	0.654%
436	18.316	18.297	18.347	VV	36427	983528	12.88%	0.440%
437	18.355	18.347	18.362	VV	32297	282895	3.71%	0.127%
438	18.395	18.362	18.418	VV	61848	1626192	21.30%	0.728%
439	18.436	18.418	18.457	VV	65548	1295963	16.98%	0.580%
440	18.486	18.457	18.519	VV	98426	2416904	31.66%	1.081%
441	18.524	18.519	18.531	VV	47781	336976	4.41%	0.151%
442	18.536	18.531	18.545	VV	44856	367149	4.81%	0.164%
443	18.559	18.545	18.574	VV	48308	782087	10.24%	0.350%
444	18.590	18.574	18.606	VV	57686	1018065	13.34%	0.455%
445	18.616	18.606	18.636	VV	57717	959079	12.56%	0.429%
446	18.647	18.636	18.658	VV	51064	655292	8.58%	0.293%
447	18.662	18.658	18.690	VV	49864	858467	11.24%	0.384%
448	18.741	18.690	18.774	VV	100040	2896099	37.93%	1.296%
449	18.779	18.774	18.799	VV	42735	631296	8.27%	0.282%
450	18.822	18.799	18.844	VV	44192	1120297	14.67%	0.501%
451	18.874	18.844	18.891	VV	56456	1406756	18.43%	0.629%
452	18.905	18.891	18.943	VV	58992	1539990	20.17%	0.689%
453	18.985	18.943	18.989	VV	47397	1192608	15.62%	0.534%
454	19.015	18.989	19.038	VV	63892	1573899	20.62%	0.704%
455	19.063	19.038	19.102	VV	65735	2158593	28.27%	0.966%
456	19.107	19.102	19.124	VV	52600	655544	8.59%	0.293%
457	19.182	19.124	19.194	VV	62243	2320871	30.40%	1.038%
458	19.201	19.194	19.215	VV	61729	725305	9.50%	0.325%
459	19.233	19.215	19.240	VV	60642	881647	11.55%	0.394%

Instrument :

FID_G

ClientSampleId :

PNNL-B-0609-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/15/2023
Supervised By :Ankita Jodhani 06/15/2023

460	19.268	19.240	19.292	VV	83853	2199286	28.81%	0.984%
461	19.305	19.292	19.326	VV	70102	134286		
462	19.347	19.326	19.375	VV	71737	190786		
463	19.379	19.375	19.386	VV	61579	42222		
464	19.422	19.386	19.433	VV	74993	190244		
465	19.440	19.433	19.482	VV	73469	1960813	25.68%	0.877%
466	19.503	19.482	19.513	VV	64552	1154388	15.12%	0.516%
467	19.525	19.513	19.531	VV	65136	714762	9.36%	0.320%
468	19.539	19.531	19.544	VV	65810	501189	6.56%	0.224%
469	19.551	19.544	19.560	VV	67521	619001	8.11%	0.277%
470	19.585	19.560	19.590	VV	70070	1232022	16.14%	0.551%
471	19.607	19.590	19.628	VV	73158	1641604	21.50%	0.734%
472	19.639	19.628	19.646	VV	68724	717773	9.40%	0.321%
473	19.682	19.646	19.688	VV	74705	1720977	22.54%	0.770%
474	19.729	19.688	19.752	VV	81897	2977435	39.00%	1.332%
475	19.759	19.752	19.771	VV	77475	873024	11.44%	0.391%
476	19.775	19.771	19.787	VV	77330	673885	8.83%	0.302%
477	19.823	19.787	19.853	VV	87895	3261740	42.72%	1.459%
478	19.864	19.853	19.870	VV	83172	785437	10.29%	0.351%
479	19.910	19.870	19.951	VV	104070	4484273	58.74%	2.006%
480	19.975	19.951	20.021	VV	110185	4077095	53.40%	1.824%
481	20.059	20.021	20.106	VV	104979	5040843	66.03%	2.255%
482	20.118	20.106	20.140	VV	99173	1946003	25.49%	0.871%
483	20.144	20.140	20.167	VV	92240	1408463	18.45%	0.630%
484	20.183	20.167	20.188	VV	93058	1184193	15.51%	0.530%
485	20.215	20.188	20.226	VV	98228	2150049	28.16%	0.962%
486	20.232	20.226	20.252	VV	101440	1552289	20.33%	0.695%
487	20.296	20.252	20.323	VV	132274	4668358	61.15%	2.089%
488	20.356	20.323	20.382	VV	118003	4002243	52.42%	1.791%
489	20.394	20.382	20.401	VV	111559	1222707	16.02%	0.547%
490	20.407	20.401	20.418	VV	109257	1100075	14.41%	0.492%
491	20.429	20.418	20.433	VV	110367	956098	12.52%	0.428%
492	20.443	20.433	20.463	VV	114641	2005654	26.27%	0.897%
493	20.518	20.463	20.536	VV	125851	4951313	64.86%	2.215%
494	20.556	20.536	20.563	VV	117641	1936653	25.37%	0.866%
495	20.584	20.563	20.589	VV	124343	1880932	24.64%	0.842%
496	20.602	20.589	20.610	VV	125146	1484562	19.45%	0.664%
497	20.649	20.610	20.691	VV	130618	6092624	79.80%	2.726%
498	20.696	20.691	20.700	VV	120741	645575	8.46%	0.289%
499	20.706	20.700	20.724	VV	121926	1698589	22.25%	0.760%
500	20.737	20.724	20.742	VV	121014	1255550	16.45%	0.562%
501	20.745	20.742	20.756	VV	118791	995720	13.04%	0.445%
502	20.786	20.756	20.836	VV	121945	5593767	73.27%	2.503%
503	20.841	20.836	20.847	VV	113304	696855	9.13%	0.312%
504	20.857	20.847	20.888	VV	113943	2761788	36.18%	1.236%
505	20.909	20.888	20.933	VV	119604	3057028	40.04%	1.368%
506	20.938	20.933	20.951	VV	110520	1190091	15.59%	0.532%

Instrument :

FID_G

ClientSampleId :

PNNL-B-0609-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/15/2023
Supervised By :Ankita Jodhani 06/15/2023

					rtres			
507	20.956	20.951	20.962	VV	105806	661101	8.66%	0.296%
508	20.965	20.962	20.969	VV	104518	41443		
509	20.973	20.969	20.990	VV	104213	127062		
510	21.009	20.990	21.019	VV	101080	174828		
511	21.025	21.019	21.033	VV	98202	80636		
512	21.038	21.033	21.042	VV	96835	476746	6.24%	0.213%
513	21.045	21.042	21.056	VV	97099	827501	10.84%	0.370%
514	21.066	21.056	21.085	VV	96160	1663824	21.79%	0.744%
515	21.090	21.085	21.096	VV	95422	620759	8.13%	0.278%
516	21.101	21.096	21.121	VV	90869	1302871	17.07%	0.583%
517	21.132	21.121	21.138	VV	87482	863813	11.31%	0.386%
518	21.144	21.138	21.168	VV	87242	1544404	20.23%	0.691%
519	21.183	21.168	21.191	VV	90475	1215046	15.92%	0.544%
520	21.196	21.191	21.217	VV	84167	1271054	16.65%	0.569%
521	21.222	21.217	21.260	VV	78978	1937012	25.37%	0.867%
522	21.268	21.260	21.275	VV	76195	638908	8.37%	0.286%
523	21.290	21.275	21.308	VV	76151	1430044	18.73%	0.640%
524	21.346	21.308	21.361	VV	74311	2299756	30.12%	1.029%
525	21.375	21.361	21.390	VV	72854	1198468	15.70%	0.536%
526	21.393	21.390	21.408	VV	70367	756089	9.90%	0.338%
527	21.419	21.408	21.423	VV	68352	594442	7.79%	0.266%
528	21.434	21.423	21.455	VV	71157	1280327	16.77%	0.573%
529	21.459	21.455	21.503	VV	62675	1704453	22.33%	0.763%
530	21.508	21.503	21.514	VV	54358	352247	4.61%	0.158%
531	21.524	21.514	21.558	VV	55092	1333452	17.47%	0.597%
532	21.588	21.558	21.601	VV	53699	1315885	17.24%	0.589%
533	21.622	21.601	21.646	VV	57492	1407120	18.43%	0.630%
534	21.657	21.646	21.670	VV	48791	667332	8.74%	0.299%
535	21.678	21.670	21.689	VV	45222	513592	6.73%	0.230%
536	21.697	21.689	21.705	VV	43455	383050	5.02%	0.171%
537	21.708	21.705	21.712	VV	44448	199541	2.61%	0.089%
538	21.732	21.712	21.753	VV	44828	1038280	13.60%	0.465%
539	21.767	21.753	21.778	VV	42451	593111	7.77%	0.265%
540	21.787	21.778	21.819	VV	38095	883984	11.58%	0.396%
541	21.836	21.819	21.871	VV	38099	1023075	13.40%	0.458%
542	21.891	21.871	21.905	VV	30819	590960	7.74%	0.264%
543	21.910	21.905	21.928	VV	29242	377241	4.94%	0.169%
544	21.933	21.928	21.963	VV	25322	497583	6.52%	0.223%
545	21.967	21.963	21.987	VV	23467	301447	3.95%	0.135%
546	21.992	21.987	22.011	VV	19389	262728	3.44%	0.118%
547	22.017	22.011	22.030	VV	19154	201825	2.64%	0.090%
548	22.036	22.030	22.060	VV	18690	241963	3.17%	0.108%
549	22.078	22.060	22.083	VV	16709	187125	2.45%	0.084%
550	22.093	22.083	22.098	VV	19212	151991	1.99%	0.068%
551	22.114	22.098	22.156	VV	18997	467867	6.13%	0.209%
552	22.160	22.156	22.181	VV	8580	102030	1.34%	0.046%
553	22.197	22.181	22.210	VV	9324	115545	1.51%	0.052%
554	22.217	22.210	22.235	VV	7325	82593	1.08%	0.037%

Instrument :

FID_G

ClientSampleId :

PNNL-B-0609-1

Manual IntegrationsAPPROVED

 Reviewed By :Yogesh Patel 06/15/2023
 Supervised By :Ankita Jodhani 06/15/2023

555	22.242	22.235	22.268	VV	5032	53942	0.71%	0.024%
556	22.287	22.268	22.291	VV	6664	5187		
557	22.298	22.291	22.310	VV	7757	7048		
558	22.460	22.310	22.581	VBA	108492	763442		
					Sum of corrected areas:			

Instrument :
FID_G
ClientSampleId :
PNNL-B-0609-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/15/2023
Supervised By :Ankita Jodhani 06/15/2023

FG060223.M Thu Jun 15 07:37:03 2023