

rteres

Instrument :

FID_F

ClientSampleId :

COP-SOIL-PILEMSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/01/2025

Supervised By :mohammad ahmed 07/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF06302
Data File : FF016039.D
Signal(s) : FID2B.ch
Acq On : 30 Jun 2025 15:39
Sample : Q2409-02MSD
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF061325.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.948	1.930	1.960	BV	100	104	0.00%	0.000%
2	1.963	1.960	1.972	VV	78	324	0.01%	0.000%
3	1.976	1.972	2.008	VV	66	799	0.02%	0.001%
4	2.021	2.008	2.049	PV	207	2398	0.06%	0.002%
5	2.083	2.049	2.149	PV	91091	1199420	32.45%	0.761%
6	2.153	2.149	2.224	PV	138	1621	0.04%	0.001%
7	2.230	2.224	2.259	PV	77	999	0.03%	0.001%
8	2.263	2.259	2.274	PV	131	555	0.02%	0.000%
9	2.283	2.274	2.335	VV	375	6817	0.18%	0.004%
10	2.338	2.335	2.352	VV	125	609	0.02%	0.000%
11	2.376	2.352	2.411	PV	505	7253	0.20%	0.005%
12	2.428	2.411	2.481	VV	318	6231	0.17%	0.004%
13	2.489	2.481	2.497	PV	93	591	0.02%	0.000%
14	2.500	2.497	2.518	VV	117	816	0.02%	0.001%
15	2.529	2.518	2.599	PV	133	2241	0.06%	0.001%
16	2.614	2.599	2.619	PV	171	984	0.03%	0.001%
17	2.625	2.619	2.640	VV	142	1157	0.03%	0.001%
18	2.661	2.640	2.684	VV	555	7262	0.20%	0.005%
19	2.692	2.684	2.700	VV	193	1162	0.03%	0.001%
20	2.704	2.700	2.721	VV	168	1154	0.03%	0.001%
21	2.731	2.721	2.735	PV	123	597	0.02%	0.000%
22	2.739	2.735	2.744	VV	61	386	0.01%	0.000%
23	2.773	2.744	2.815	VV	1687	29080	0.79%	0.018%
24	2.820	2.815	2.828	VV	165	794	0.02%	0.001%
25	2.832	2.828	2.840	VV	140	672	0.02%	0.000%
26	2.850	2.840	2.865	VV	162	1713	0.05%	0.001%
27	2.871	2.865	2.877	VV	258	1303	0.04%	0.001%
28	2.881	2.877	2.890	VV	233	1462	0.04%	0.001%
29	2.901	2.890	2.924	VV	543	3914	0.11%	0.002%
30	2.949	2.924	2.956	VV	351	4251	0.11%	0.003%
31	2.969	2.956	2.986	VV	374	4782	0.13%	0.003%
32	2.995	2.986	3.026	VV	435	7203	0.19%	0.005%
33	3.051	3.026	3.081	VV	7788	87951	2.38%	0.056%
34	3.096	3.081	3.114	VV	241	3314	0.09%	0.002%
35	3.118	3.114	3.129	VV	188	1231	0.03%	0.001%
36	3.136	3.129	3.157	VV	199	2255	0.06%	0.001%

					retention	Area	Area%	Area%
37	3.163	3.157	3.191	VV	217	2141	0.06%	0.001%
38	3.217	3.191	3.250	PV	270	4710	0.08%	0.001%
39	3.262	3.250	3.295	VV	387	5935	0.12%	0.001%
40	3.301	3.295	3.323	VV	222	2217	0.06%	0.001%
41	3.326	3.323	3.337	VV	190	882	0.05%	0.001%
42	3.359	3.337	3.424	VV	489	10390	0.13%	0.001%
43	3.430	3.424	3.456	VV	260	2024	0.05%	0.001%
44	3.479	3.456	3.498	VV	472	6694	0.18%	0.004%
45	3.503	3.498	3.524	VV	258	2023	0.05%	0.001%
46	3.527	3.524	3.553	VV	208	1830	0.05%	0.001%
47	3.559	3.553	3.564	VV	139	761	0.02%	0.000%
48	3.568	3.564	3.592	VV	204	2328	0.06%	0.001%
49	3.595	3.592	3.601	VV	175	726	0.02%	0.000%
50	3.605	3.601	3.626	VV	218	1441	0.04%	0.001%
51	3.641	3.626	3.661	PV	172	1636	0.04%	0.001%
52	3.671	3.661	3.686	VV	164	1646	0.04%	0.001%
53	3.706	3.686	3.739	VV	356	5673	0.15%	0.004%
54	3.769	3.739	3.799	VV	379	9617	0.26%	0.006%
55	3.812	3.799	3.833	VV	347	5003	0.14%	0.003%
56	3.851	3.833	3.873	VV	370	4935	0.13%	0.003%
57	3.877	3.873	3.884	VV	164	792	0.02%	0.001%
58	3.887	3.884	3.905	VV	3244	4084	0.11%	0.003%
59	3.908	3.905	3.913	VV	155	458	0.01%	0.000%
60	3.917	3.913	3.924	VV	81	496	0.01%	0.000%
61	3.946	3.924	3.967	VV	332	4657	0.13%	0.003%
62	3.976	3.967	3.990	VV	218	1570	0.04%	0.001%
63	4.003	3.990	4.028	PV	190	1298	0.04%	0.001%
64	4.047	4.028	4.086	VV	320	4142	0.11%	0.003%
65	4.091	4.086	4.097	VV	109	526	0.01%	0.000%
66	4.101	4.097	4.124	VV	112	896	0.02%	0.001%
67	4.145	4.124	4.174	VV	1759	19594	0.53%	0.012%
68	4.196	4.174	4.247	VV	3208	48040	1.30%	0.030%
69	4.265	4.247	4.292	VV	467	6969	0.19%	0.004%
70	4.307	4.292	4.318	VV	187	1977	0.05%	0.001%
71	4.323	4.318	4.328	VV	266	1252	0.03%	0.001%
72	4.343	4.328	4.371	VV	526	8777	0.24%	0.006%
73	4.387	4.371	4.414	VV	441	6532	0.18%	0.004%
74	4.426	4.414	4.430	VV	143	1106	0.03%	0.001%
75	4.449	4.430	4.472	VV	303	4631	0.13%	0.003%
76	4.476	4.472	4.488	VV	89	524	0.01%	0.000%
77	4.496	4.488	4.504	VV	160	1010	0.03%	0.001%
78	4.515	4.504	4.529	VV	192	1930	0.05%	0.001%
79	4.533	4.529	4.539	VV	131	414	0.01%	0.000%
80	4.546	4.539	4.567	VV	195	2454	0.07%	0.002%
81	4.577	4.567	4.589	VV	292	3023	0.08%	0.002%
82	4.620	4.589	4.651	VV	151471	1555275	42.08%	0.986%
83	4.657	4.651	4.678	VV	465	4222	0.11%	0.003%
84	4.705	4.678	4.720	VV	250	3585	0.10%	0.002%
85	4.731	4.720	4.753	VV	216	2501	0.07%	0.002%
86	4.756	4.753	4.765	VV	96	637	0.02%	0.000%
87	4.787	4.765	4.803	VV	542	6960	0.19%	0.004%
88	4.819	4.803	4.831	VV	570	6218	0.17%	0.004%
89	4.850	4.831	4.896	VV	1640	22175	0.60%	0.014%

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90	4.908	4.896	4.916	VV	253	2375	0.06%	0.002%
91	4.930	4.916	4.959	VV	260	4036		
92	4.985	4.959	5.001	VV	420	6698		
93	5.009	5.001	5.022	VV	368	3904		
94	5.040	5.022	5.055	VV	405	5868		
95	5.081	5.055	5.114	VV	456	9819		
96	5.135	5.114	5.159	VV	408	7076	0.19%	0.004%
97	5.172	5.159	5.197	VV	415	6307	0.17%	0.004%
98	5.201	5.197	5.212	VV	246	2025	0.05%	0.001%
99	5.222	5.212	5.249	VV	345	5137	0.14%	0.003%
100	5.279	5.249	5.290	VV	365	6522	0.18%	0.004%
101	5.297	5.290	5.302	VV	257	1234	0.03%	0.001%
102	5.316	5.302	5.353	VV	706	13502	0.37%	0.009%
103	5.356	5.353	5.360	VV	168	728	0.02%	0.000%
104	5.378	5.360	5.393	VV	366	4830	0.13%	0.003%
105	5.408	5.393	5.421	VV	539	5730	0.16%	0.004%
106	5.434	5.421	5.459	VV	402	6633	0.18%	0.004%
107	5.464	5.459	5.483	VV	240	1927	0.05%	0.001%
108	5.503	5.483	5.524	PV	250	3632	0.10%	0.002%
109	5.539	5.524	5.546	VV	234	2100	0.06%	0.001%
110	5.565	5.546	5.593	VV	984	11817	0.32%	0.007%
111	5.604	5.593	5.616	VV	299	3182	0.09%	0.002%
112	5.633	5.616	5.655	VV	346	5133	0.14%	0.003%
113	5.668	5.655	5.678	VV	205	1712	0.05%	0.001%
114	5.703	5.678	5.721	VV	354	4271	0.12%	0.003%
115	5.726	5.721	5.735	VV	51	457	0.01%	0.000%
116	5.761	5.735	5.780	PV	1063	14246	0.39%	0.009%
117	5.796	5.780	5.807	VV	1721	18869	0.51%	0.012%
118	5.817	5.807	5.851	VV	1659	19123	0.52%	0.012%
119	5.868	5.851	5.882	VV	258	3241	0.09%	0.002%
120	5.890	5.882	5.919	VV	159	2085	0.06%	0.001%
121	5.950	5.919	5.979	VV	662	11374	0.31%	0.007%
122	6.006	5.979	6.044	VV	819	17836	0.48%	0.011%
123	6.057	6.044	6.065	VV	431	4407	0.12%	0.003%
124	6.077	6.065	6.100	VV	638	8233	0.22%	0.005%
125	6.131	6.100	6.145	VV	473	7059	0.19%	0.004%
126	6.149	6.145	6.164	VV	284	1845	0.05%	0.001%
127	6.179	6.164	6.185	VV	195	1526	0.04%	0.001%
128	6.205	6.185	6.221	VV	298	3670	0.10%	0.002%
129	6.240	6.221	6.264	PV	439	5456	0.15%	0.003%
130	6.299	6.264	6.310	VV	580	8166	0.22%	0.005%
131	6.332	6.310	6.383	VV	3191	45607	1.23%	0.029%
132	6.406	6.383	6.432	VV	1778	27091	0.73%	0.017%
133	6.443	6.432	6.460	VV	437	5039	0.14%	0.003%
134	6.482	6.460	6.495	VV	844	9967	0.27%	0.006%
135	6.516	6.495	6.548	VV	784	15183	0.41%	0.010%
136	6.590	6.548	6.604	VV	489	12038	0.33%	0.008%
137	6.629	6.604	6.651	VV	1159	19694	0.53%	0.012%
138	6.675	6.651	6.696	VV	513	10526	0.28%	0.007%
139	6.719	6.696	6.729	VV	558	8665	0.23%	0.005%
140	6.742	6.729	6.764	VV	565	9250	0.25%	0.006%
141	6.795	6.764	6.830	VV	171531	1727829	46.75%	1.096%

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0.06% 0.002%

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142	6.833	6.830	6.849	VV	284	2021	0.05%	0.001%
143	6.871	6.849	6.902	VV	1419	19015		
144	6.922	6.902	6.934	VV	576	8317		
145	6.948	6.934	6.972	VV	1449	17718		
146	6.990	6.972	7.011	VV	709	8957		
147	7.024	7.011	7.041	VV	259	3045		
148	7.078	7.041	7.103	VV	553	8899	0.24%	0.006%
149	7.119	7.103	7.155	VV	423	8330	0.23%	0.005%
150	7.161	7.155	7.175	PV	137	1051	0.03%	0.001%
151	7.199	7.175	7.237	VV	610	9292	0.25%	0.006%
152	7.276	7.237	7.313	VV	1747	31289	0.85%	0.020%
153	7.329	7.313	7.350	VV	895	14103	0.38%	0.009%
154	7.368	7.350	7.399	VV	875	12093	0.33%	0.008%
155	7.428	7.399	7.450	VV	3269	37103	1.00%	0.024%
156	7.468	7.450	7.499	VV	1334	19264	0.52%	0.012%
157	7.518	7.499	7.550	VV	4355	53616	1.45%	0.034%
158	7.567	7.550	7.595	VV	2640	29536	0.80%	0.019%
159	7.619	7.595	7.636	PV	728	9465	0.26%	0.006%
160	7.640	7.636	7.675	VV	283	3775	0.10%	0.002%
161	7.721	7.675	7.731	VV	811	13249	0.36%	0.008%
162	7.744	7.731	7.772	VV	1359	18201	0.49%	0.012%
163	7.781	7.772	7.784	VV	311	1798	0.05%	0.001%
164	7.801	7.784	7.820	VV	970	13289	0.36%	0.008%
165	7.834	7.820	7.849	VV	535	7163	0.19%	0.005%
166	7.859	7.849	7.864	VV	512	3931	0.11%	0.002%
167	7.878	7.864	7.892	VV	600	8551	0.23%	0.005%
168	7.921	7.892	7.949	VV	1727	30447	0.82%	0.019%
169	7.966	7.949	7.990	VV	658	8256	0.22%	0.005%
170	8.034	7.990	8.055	PV	3118	40268	1.09%	0.026%
171	8.060	8.055	8.071	VV	666	5611	0.15%	0.004%
172	8.087	8.071	8.104	VV	827	10926	0.30%	0.007%
173	8.131	8.104	8.147	VV	345	6504	0.18%	0.004%
174	8.172	8.147	8.187	VV	1802	28353	0.77%	0.018%
175	8.203	8.187	8.224	VV	3455	40739	1.10%	0.026%
176	8.229	8.224	8.253	VV	675	7178	0.19%	0.005%
177	8.272	8.253	8.293	VV	429	5394	0.15%	0.003%
178	8.328	8.293	8.344	PV	1496	23388	0.63%	0.015%
179	8.362	8.344	8.402	VV	2730	42729	1.16%	0.027%
180	8.445	8.402	8.477	VV	9371	123453	3.34%	0.078%
181	8.507	8.477	8.525	VV	1238	21222	0.57%	0.013%
182	8.547	8.525	8.563	VV	3344	40968	1.11%	0.026%
183	8.576	8.563	8.593	VV	2076	27080	0.73%	0.017%
184	8.627	8.593	8.656	VV	174689	1835780	49.67%	1.164%
185	8.695	8.656	8.715	VV	1990	50160	1.36%	0.032%
186	8.733	8.715	8.764	VV	1808	40954	1.11%	0.026%
187	8.789	8.764	8.810	VV	3335	47770	1.29%	0.030%
188	8.824	8.810	8.838	VV	1164	14089	0.38%	0.009%
189	8.852	8.838	8.866	VV	642	9215	0.25%	0.006%
190	8.875	8.866	8.890	VV	608	7036	0.19%	0.004%
191	8.923	8.890	8.943	VV	1220	21933	0.59%	0.014%
192	8.958	8.943	8.972	VV	1107	12722	0.34%	0.008%
193	8.986	8.972	9.004	VV	1562	20655	0.56%	0.013%
194	9.032	9.004	9.052	VV	18581	195373	5.29%	0.124%

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195	9.060	9.052	9.071	VV	1113	11296	0.31%	0.007%
196	9.091	9.071	9.113	VV	4350	60602		
197	9.129	9.113	9.136	VV	1486	15741		
198	9.167	9.136	9.193	VV	13586	193187		
199	9.203	9.193	9.209	VV	836	7253		
200	9.215	9.209	9.233	VV	833	9356		
201	9.249	9.233	9.259	VV	1636	16203	0.44%	0.010%
202	9.276	9.259	9.290	VV	2770	36440	0.99%	0.023%
203	9.307	9.290	9.332	VV	6400	78503	2.12%	0.050%
204	9.354	9.332	9.365	VV	1782	25923	0.70%	0.016%
205	9.397	9.365	9.412	VV	1875	36718	0.99%	0.023%
206	9.448	9.412	9.469	VV	3026	55678	1.51%	0.035%
207	9.484	9.469	9.520	VV	2566	37837	1.02%	0.024%
208	9.539	9.520	9.567	VV	1569	21791	0.59%	0.014%
209	9.601	9.567	9.618	VV	2016	24507	0.66%	0.016%
210	9.634	9.618	9.649	PV	1297	11997	0.32%	0.008%
211	9.665	9.649	9.674	VV	801	9329	0.25%	0.006%
212	9.688	9.674	9.702	VV	834	11077	0.30%	0.007%
213	9.719	9.702	9.725	VV	940	9368	0.25%	0.006%
214	9.739	9.725	9.767	VV	2488	36792	1.00%	0.023%
215	9.780	9.767	9.799	VV	1945	23934	0.65%	0.015%
216	9.821	9.799	9.875	VV	14349	202243	5.47%	0.128%
217	9.906	9.875	9.934	VV	5799	95846	2.59%	0.061%
218	9.940	9.934	9.953	VV	1595	15388	0.42%	0.010%
219	9.973	9.953	9.985	VV	3912	53736	1.45%	0.034%
220	9.995	9.985	10.018	VV	3012	51108	1.38%	0.032%
221	10.030	10.018	10.046	VV	2498	32538	0.88%	0.021%
222	10.071	10.046	10.079	VV	2771	41788	1.13%	0.026%
223	10.101	10.079	10.126	VV	44714	476313	12.89%	0.302%
224	10.145	10.126	10.162	VV	3511	45677	1.24%	0.029%
225	10.195	10.162	10.208	VV	3124	67303	1.82%	0.043%
226	10.236	10.208	10.282	VV	173475	1932955	52.30%	1.226%
227	10.307	10.282	10.325	VV	2355	48361	1.31%	0.031%
228	10.341	10.325	10.382	VV	2788	53480	1.45%	0.034%
229	10.407	10.382	10.431	VV	2147	39238	1.06%	0.025%
230	10.446	10.431	10.456	VV	1425	18088	0.49%	0.011%
231	10.472	10.456	10.494	VV	1802	30521	0.83%	0.019%
232	10.511	10.494	10.531	VV	2694	37874	1.02%	0.024%
233	10.571	10.531	10.598	VV	2766	75149	2.03%	0.048%
234	10.625	10.598	10.650	VV	17014	255803	6.92%	0.162%
235	10.675	10.650	10.689	VV	5463	101163	2.74%	0.064%
236	10.705	10.689	10.732	VV	6195	114231	3.09%	0.072%
237	10.746	10.732	10.759	VV	5151	68089	1.84%	0.043%
238	10.774	10.759	10.800	VV	5079	87344	2.36%	0.055%
239	10.823	10.800	10.857	VV	5202	124920	3.38%	0.079%
240	10.876	10.857	10.900	VV	6152	124555	3.37%	0.079%
241	10.909	10.900	10.920	VV	4535	50788	1.37%	0.032%
242	10.924	10.920	10.940	VV	4442	49538	1.34%	0.031%
243	10.977	10.940	11.004	VV	8873	229961	6.22%	0.146%
244	11.049	11.004	11.087	VV	42374	783082	21.19%	0.497%
245	11.094	11.087	11.138	VV	5591	138587	3.75%	0.088%
246	11.146	11.138	11.160	VV	4037	49149	1.33%	0.031%

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0.31% 0.007%

Manual IntegrationsAPPROVED

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rteres									
247	11.198	11.160	11.202	VV	6424	123660	3.35%	0.078%	
248	11.227	11.202	11.280	VV	141621	1673357	45.15%	0.078%	
249	11.300	11.280	11.347	VV	35607	525740	14.33%	0.078%	
250	11.369	11.347	11.388	VV	6538	134743	3.35%	0.078%	
251	11.405	11.388	11.420	VV	5456	96483	2.97%	0.071%	
252	11.435	11.420	11.441	VV	4721	55961	1.15%	0.027%	
253	11.469	11.441	11.478	VV	5550	111599	3.02%	0.071%	
254	11.485	11.478	11.491	VV	5668	42683	1.15%	0.027%	
255	11.513	11.491	11.563	VV	15233	318432	8.62%	0.202%	
256	11.588	11.563	11.600	VV	5467	109633	2.97%	0.070%	
257	11.617	11.600	11.630	VV	6783	106988	2.89%	0.068%	
258	11.648	11.630	11.653	VV	7934	99183	2.68%	0.063%	
259	11.681	11.653	11.733	VV	168097	2159578	58.43%	1.369%	
260	11.771	11.733	11.799	VV	27097	529021	14.31%	0.335%	
261	11.830	11.799	11.855	VV	6588	187308	5.07%	0.119%	
262	11.878	11.855	11.901	VV	7783	164780	4.46%	0.104%	
263	11.925	11.901	11.935	VV	8395	141260	3.82%	0.090%	
264	11.939	11.935	11.961	VV	8241	112301	3.04%	0.071%	
265	11.970	11.961	11.975	VV	7438	58273	1.58%	0.037%	
266	11.979	11.975	12.008	VV	7277	127083	3.44%	0.081%	
267	12.032	12.008	12.045	VV	17150	230543	6.24%	0.146%	
268	12.061	12.045	12.085	VV	22572	319286	8.64%	0.202%	
269	12.091	12.085	12.107	VV	7041	85704	2.32%	0.054%	
270	12.147	12.107	12.167	VV	28096	500799	13.55%	0.318%	
271	12.180	12.167	12.193	VV	12563	172995	4.68%	0.110%	
272	12.211	12.193	12.244	VV	16795	303876	8.22%	0.193%	
273	12.250	12.244	12.266	VV	5498	68191	1.84%	0.043%	
274	12.288	12.266	12.307	VV	6025	127986	3.46%	0.081%	
275	12.352	12.307	12.368	VV	12953	367431	9.94%	0.233%	
276	12.383	12.368	12.409	VV	17572	259297	7.02%	0.164%	
277	12.456	12.409	12.477	VV	7008	245610	6.65%	0.156%	
278	12.503	12.477	12.525	VV	15261	259611	7.02%	0.165%	
279	12.540	12.525	12.548	VV	5447	71964	1.95%	0.046%	
280	12.562	12.548	12.575	VV	5803	86129	2.33%	0.055%	
281	12.608	12.575	12.673	VV	143907	2195520	59.40%	1.392%	
282	12.677	12.673	12.701	VV	5908	89089	2.41%	0.056%	
283	12.732	12.701	12.736	VV	5363	102451	2.77%	0.065%	
284	12.771	12.736	12.794	VV	6705	204072	5.52%	0.129%	
285	12.818	12.794	12.863	VV	13527	316237	8.56%	0.201%	
286	12.879	12.863	12.894	VV	6712	93208	2.52%	0.059%	
287	12.933	12.894	12.954	VV	13806	279178	7.55%	0.177%	
288	12.994	12.954	13.022	VV	166966	2182979	59.06%	1.384%	
289	13.053	13.022	13.099	VV	285181	3319960	89.82%	2.105%	
290	13.108	13.099	13.126	VV	3550	47810	1.29%	0.030%	
291	13.144	13.126	13.155	VV	2936	44076	1.19%	0.028%	
292	13.184	13.155	13.196	VV	3895	80926	2.19%	0.051%	
293	13.211	13.196	13.219	VV	4490	52320	1.42%	0.033%	
294	13.238	13.219	13.303	VV	12132	303607	8.21%	0.193%	
295	13.309	13.303	13.321	VV	2257	21743	0.59%	0.014%	
296	13.352	13.321	13.374	VV	236468	2678904	72.48%	1.699%	
297	13.406	13.374	13.422	VV	35027	501739	13.57%	0.318%	
298	13.437	13.422	13.468	VV	26608	353606	9.57%	0.224%	
299	13.491	13.468	13.503	VV	3464	53789	1.46%	0.034%	

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300	13.521	13.503	13.575	VV	9160	185035	5.01%	0.117%
301	13.615	13.575	13.653	PV	37261	538583		
302	13.686	13.653	13.714	VV	10794	233840		
303	13.719	13.714	13.727	VV	2504	17611		
304	13.745	13.727	13.763	VV	9451	115637		
305	13.774	13.763	13.780	VV	3179	28924		
306	13.806	13.780	13.819	VV	14542	213678	5.78%	0.135%
307	13.835	13.819	13.882	VV	56275	743162	20.11%	0.471%
308	13.888	13.882	13.896	VV	2958	21695	0.59%	0.014%
309	13.937	13.896	13.976	VV	42592	638253	17.27%	0.405%
310	14.006	13.976	14.019	VV	2873	48485	1.31%	0.031%
311	14.045	14.019	14.068	VV	35563	465990	12.61%	0.295%
312	14.085	14.068	14.105	VV	17562	209965	5.68%	0.133%
313	14.129	14.105	14.155	VV	11302	187795	5.08%	0.119%
314	14.194	14.155	14.237	VV	157019	2198104	59.47%	1.394%
315	14.255	14.237	14.279	VV	12657	170440	4.61%	0.108%
316	14.289	14.279	14.305	VV	2819	36747	0.99%	0.023%
317	14.331	14.305	14.345	VV	3079	55810	1.51%	0.035%
318	14.360	14.345	14.379	VV	2444	39002	1.06%	0.025%
319	14.402	14.379	14.407	VV	2828	40937	1.11%	0.026%
320	14.425	14.407	14.460	VV	3674	89273	2.42%	0.057%
321	14.466	14.460	14.491	VV	1731	20421	0.55%	0.013%
322	14.518	14.491	14.541	VV	4447	58771	1.59%	0.037%
323	14.581	14.541	14.601	VV	17930	248601	6.73%	0.158%
324	14.625	14.601	14.652	VV	14716	259953	7.03%	0.165%
325	14.671	14.652	14.707	VV	18130	263316	7.12%	0.167%
326	14.716	14.707	14.720	VV	2079	15340	0.42%	0.010%
327	14.756	14.720	14.814	VV	9107	287495	7.78%	0.182%
328	14.854	14.814	14.874	VV	23363	390946	10.58%	0.248%
329	14.880	14.874	14.892	VV	5409	50437	1.36%	0.032%
330	14.918	14.892	14.939	VV	43135	550368	14.89%	0.349%
331	14.976	14.939	15.010	VV	21143	473302	12.81%	0.300%
332	15.049	15.010	15.063	VV	4954	110234	2.98%	0.070%
333	15.098	15.063	15.129	VV	95311	1405072	38.01%	0.891%
334	15.138	15.129	15.158	VV	3703	49837	1.35%	0.032%
335	15.179	15.158	15.199	VV	11014	154141	4.17%	0.098%
336	15.231	15.199	15.252	VV	175320	2227750	60.27%	1.413%
337	15.274	15.252	15.287	VV	172141	2076690	56.19%	1.317%
338	15.301	15.287	15.333	VV	145377	1839398	49.77%	1.166%
339	15.346	15.333	15.366	VV	5472	91003	2.46%	0.058%
340	15.393	15.366	15.419	VV	53941	691590	18.71%	0.439%
341	15.426	15.419	15.450	VV	6952	90656	2.45%	0.057%
342	15.467	15.450	15.507	VV	13746	198192	5.36%	0.126%
343	15.529	15.507	15.550	VV	12417	194379	5.26%	0.123%
344	15.569	15.550	15.643	VV	15001	351575	9.51%	0.223%
345	15.679	15.643	15.708	VV	92225	1259275	34.07%	0.798%
346	15.713	15.708	15.735	VV	5982	75772	2.05%	0.048%
347	15.741	15.735	15.758	VV	3239	32657	0.88%	0.021%
348	15.776	15.758	15.794	VV	4249	68860	1.86%	0.044%
349	15.820	15.794	15.832	VV	10276	174755	4.73%	0.111%
350	15.844	15.832	15.854	VV	11503	143460	3.88%	0.091%
351	15.865	15.854	15.884	VV	11958	196182	5.31%	0.124%

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352	15.904	15.884	15.925	VV	33412	444931	12.04%	0.282%
353	15.941	15.925	15.962	VV	15718	223233		
354	15.986	15.962	16.012	VV	14208	253297		
355	16.063	16.012	16.106	VV	34270	922651	24.00%	0.083%
356	16.141	16.106	16.174	VV	15068	335469	9.00%	0.083%
357	16.194	16.174	16.212	VV	8802	152346	4.00%	0.080%
358	16.226	16.212	16.241	VV	9400	131050	3.55%	0.068%
359	16.255	16.241	16.269	VV	9582	125865	3.41%	0.080%
360	16.282	16.269	16.293	VV	8369	106806	2.89%	0.068%
361	16.326	16.293	16.365	VV	138240	2022497	54.72%	1.282%
362	16.388	16.365	16.416	VV	6247	137964	3.73%	0.087%
363	16.422	16.416	16.426	VV	4318	24492	0.66%	0.016%
364	16.433	16.426	16.450	VV	4560	52751	1.43%	0.033%
365	16.465	16.450	16.472	VV	4004	44958	1.22%	0.029%
366	16.515	16.472	16.534	VV	12467	298915	8.09%	0.190%
367	16.541	16.534	16.555	VV	8004	87144	2.36%	0.055%
368	16.575	16.555	16.597	VV	15798	260156	7.04%	0.165%
369	16.625	16.597	16.630	VV	10461	165885	4.49%	0.105%
370	16.640	16.630	16.660	VV	10827	184496	4.99%	0.117%
371	16.694	16.660	16.744	VV	75927	1392201	37.67%	0.883%
372	16.798	16.744	16.815	VV	231411	3690091	99.84%	2.340%
373	16.824	16.815	16.858	VV	112077	1273823	34.46%	0.808%
374	16.880	16.858	16.895	VV	9741	187885	5.08%	0.119%
375	16.923	16.895	16.945	VV	49318	740900	20.05%	0.470%
376	16.962	16.945	17.000	VV	16292	412709	11.17%	0.262%
377	17.012	17.000	17.022	VV	11781	146226	3.96%	0.093%
378	17.046	17.022	17.065	VV	20631	418875	11.33%	0.266%
379	17.117	17.065	17.144	VV	146297	2512389	67.97%	1.593%
380	17.177	17.144	17.227	VV	214426	3132133	84.74%	1.986%
381	17.276	17.227	17.308	VV	208814	3161659	85.54%	2.005%
382	17.324	17.308	17.339	VV	21278	330921	8.95%	0.210%
383	17.354	17.339	17.374	VV	19511	334473	9.05%	0.212%
384	17.390	17.374	17.395	VV	15997	190072	5.14%	0.121%
385	17.417	17.395	17.443	VV	21081	479872	12.98%	0.304%
386	17.458	17.443	17.462	VV	12418	133471	3.61%	0.085%
387	17.480	17.462	17.495	VV	15403	270650	7.32%	0.172%
388	17.537	17.495	17.567	VV	36780	1017122	27.52%	0.645%
389	17.580	17.567	17.609	VV	20053	414414	11.21%	0.263%
390	17.639	17.609	17.664	VV	59989	1063213	28.77%	0.674%
391	17.674	17.664	17.687	VV	22520	297400	8.05%	0.189%
392	17.696	17.687	17.709	VV	22637	282913	7.65%	0.179%
393	17.727	17.709	17.748	VV	32329	585747	15.85%	0.371%
394	17.758	17.748	17.777	VV	18008	278572	7.54%	0.177%
395	17.789	17.777	17.798	VV	15024	178464	4.83%	0.113%
396	17.830	17.798	17.860	VV	29988	723004	19.56%	0.458%
397	17.866	17.860	17.886	VV	14965	203277	5.50%	0.129%
398	17.897	17.886	17.913	VV	11318	163881	4.43%	0.104%
399	17.945	17.913	17.972	VV	16923	467089	12.64%	0.296%
400	17.990	17.972	18.003	VV	12064	201623	5.45%	0.128%
401	18.017	18.003	18.033	VV	12467	207573	5.62%	0.132%
402	18.057	18.033	18.071	VV	13163	263271	7.12%	0.167%
403	18.088	18.071	18.116	VV	18600	425451	11.51%	0.270%
404	18.168	18.116	18.201	VV	146690	2535145	68.59%	1.607%

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rteres								
405	18.260	18.201	18.287	VV	30300	983752	26.62%	0.624%
406	18.336	18.287	18.354	VV	25577	845822	22.22%	0.521%
407	18.372	18.354	18.426	VV	29466	849641	22.22%	0.521%
408	18.453	18.426	18.496	VV	44746	1088271	29.91%	0.677%
409	18.547	18.496	18.571	VV	156898	3696134	100.00%	1.281%
410	18.590	18.571	18.616	VV	62988	1201307	32.32%	0.120%
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411	18.628	18.616	18.650	VV	24802	389347	10.53%	0.247%
412	18.678	18.650	18.694	VV	47017	821184	22.22%	0.521%
413	18.709	18.694	18.772	VV	44242	1068432	28.91%	0.677%
414	18.803	18.772	18.827	VV	141760	2020817	54.67%	1.281%
415	18.841	18.827	18.848	VV	16169	190018	5.14%	0.120%
416	18.884	18.848	18.901	VV	24678	605880	16.39%	0.384%
417	18.932	18.901	18.960	VV	67878	1231466	33.32%	0.781%
418	19.003	18.960	19.048	VV	131872	2712587	73.39%	1.720%
419	19.108	19.048	19.140	VV	42980	1434430	38.81%	0.910%
420	19.164	19.140	19.183	VV	26460	579060	15.67%	0.367%
421	19.206	19.183	19.251	VV	41047	1112629	30.10%	0.705%
422	19.284	19.251	19.299	VV	26717	620997	16.80%	0.394%
423	19.353	19.299	19.379	VV	101932	2411286	65.24%	1.529%
424	19.401	19.379	19.460	VV	67908	1684054	45.56%	1.068%
425	19.478	19.460	19.512	VV	29273	725749	19.64%	0.460%
426	19.535	19.512	19.565	VV	29527	678080	18.35%	0.430%
427	19.596	19.565	19.608	VV	16543	405816	10.98%	0.257%
428	19.612	19.608	19.615	VV	16008	72686	1.97%	0.046%
429	19.641	19.615	19.676	VV	30674	813419	22.01%	0.516%
430	19.693	19.676	19.728	VV	18558	487905	13.20%	0.309%
431	19.751	19.728	19.755	VV	18531	262397	7.10%	0.166%
432	19.788	19.755	19.835	VV	104677	2133811	57.73%	1.353%
433	19.853	19.835	19.866	VV	23253	390370	10.56%	0.248%
434	19.888	19.866	19.922	VV	32433	800534	21.66%	0.508%
435	19.959	19.922	19.989	VV	68929	1438042	38.91%	0.912%
436	20.026	19.989	20.052	VV	63887	1511210	40.89%	0.958%
437	20.072	20.052	20.099	VV	41693	998918	27.03%	0.633%
438	20.132	20.099	20.175	VV	72903	2041088	55.22%	1.294%
439	20.193	20.175	20.221	VV	34580	784993	21.24%	0.498%
440	20.241	20.221	20.263	VV	33401	692724	18.74%	0.439%
441	20.337	20.263	20.367	VV	79181	2787423	75.41%	1.767%
442	20.404	20.367	20.420	VV	42479	1071058	28.98%	0.679%
443	20.425	20.420	20.448	VV	30949	434749	11.76%	0.276%
444	20.477	20.448	20.500	VV	40303	923080	24.97%	0.585%
445	20.530	20.500	20.575	VV	87996	1942684	52.56%	1.232%
446	20.604	20.575	20.619	VV	26203	634459	17.17%	0.402%
447	20.655	20.619	20.725	VV	29014	1623121	43.91%	1.029%
448	20.728	20.725	20.736	VV	21881	141468	3.83%	0.090%
449	20.745	20.736	20.753	VV	22326	217354	5.88%	0.138%
450	20.757	20.753	20.777	VV	22133	312948	8.47%	0.198%
451	20.794	20.777	20.808	VV	22640	406151	10.99%	0.258%
452	20.843	20.808	20.865	VV	27300	832358	22.52%	0.528%
453	20.876	20.865	20.895	VV	25116	437829	11.85%	0.278%
454	20.921	20.895	20.957	VV	31418	953528	25.80%	0.605%
455	20.999	20.957	21.017	VV	21989	752832	20.37%	0.477%
456	21.032	21.017	21.062	VV	22293	552730	14.95%	0.350%

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457	21.068	21.062	21.075	VV	18001	133975	3.62%	0.085%
458	21.080	21.075	21.120	VV	18061	462869	12.23%	0.125%
459	21.123	21.120	21.129	VV	16087	87809	2.32%	0.085%
460	21.139	21.129	21.147	VV	16447	177800	4.89%	0.125%
461	21.150	21.147	21.161	VV	16379	138458	3.84%	0.125%
462	21.187	21.161	21.214	VV	16635	499336	13.94%	0.125%
463	21.219	21.214	21.235	VV	15662	197353	5.34%	0.125%
464	21.294	21.235	21.332	VV	57735	1671765	45.23%	1.060%
465	21.361	21.332	21.436	VV	20425	992068	26.84%	0.629%
466	21.476	21.436	21.512	VV	14799	580743	15.71%	0.368%
467	21.538	21.512	21.545	VV	12684	237885	6.44%	0.151%
468	21.582	21.545	21.608	VV	16257	519594	14.06%	0.329%
469	21.632	21.608	21.637	VV	13230	215245	5.82%	0.136%
470	21.664	21.637	21.699	VV	16494	496555	13.43%	0.315%
471	21.755	21.699	21.783	VV	37457	1217891	32.95%	0.772%
472	21.795	21.783	21.819	VV	19503	372987	10.09%	0.237%
473	21.822	21.819	21.897	VV	15150	487034	13.18%	0.309%
474	21.927	21.897	21.949	VV	11566	297807	8.06%	0.189%
475	21.974	21.949	22.018	VV	14111	370044	10.01%	0.235%
476	22.065	22.018	22.111	VV	24712	668628	18.09%	0.424%
477	22.150	22.111	22.180	VV	21533	538270	14.56%	0.341%
478	22.203	22.180	22.220	VV	13235	261881	7.09%	0.166%
479	22.254	22.220	22.344	VV	43148	1290123	34.90%	0.818%
480	22.347	22.344	22.373	VV	862	12530	0.34%	0.008%
481	22.382	22.373	22.393	VV	573	4723	0.13%	0.003%
					Sum of corrected areas:	157710549		

Instrument :
FID_F
ClientSampleId :
COP-SOIL-PILEMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025

FF061325.M Tue Jul 01 04:17:07 2025