

rteres

Instrument :

FID_E

ClientSampleId :

VNJ-238MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11112
Data File : FE056748.D
Signal(s) : FID1B.ch
Acq On : 12 Nov 2025 00:16
Sample : Q3581-01MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.641	2.575	2.723	BV	19863	225871	1.74%	0.089%
2	2.749	2.723	2.855	VV	32821	537270	4.15%	0.211%
3	2.864	2.855	2.947	VV	558	14596	0.11%	0.006%
4	2.960	2.947	2.984	VV	238	3124	0.02%	0.001%
5	3.024	2.984	3.080	VV	5918	72717	0.56%	0.028%
6	3.101	3.080	3.158	VV	326	7376	0.06%	0.003%
7	3.188	3.158	3.239	PV	241	4424	0.03%	0.002%
8	3.320	3.239	3.447	PV	435611	4283551	33.09%	1.679%
9	3.465	3.447	3.504	VV	657	16921	0.13%	0.007%
10	3.523	3.504	3.555	VV	478	12113	0.09%	0.005%
11	3.561	3.555	3.620	VV	424	11783	0.09%	0.005%
12	3.637	3.620	3.674	VV	456	11652	0.09%	0.005%
13	3.692	3.674	3.745	VV	412	10288	0.08%	0.004%
14	3.767	3.745	3.783	VV	539	8113	0.06%	0.003%
15	3.806	3.783	3.895	VV	2191	47524	0.37%	0.019%
16	3.927	3.895	3.981	VV	1028	29834	0.23%	0.012%
17	4.007	3.981	4.080	VV	494	19458	0.15%	0.008%
18	4.115	4.080	4.126	VV	392	7898	0.06%	0.003%
19	4.144	4.126	4.198	VV	519	13699	0.11%	0.005%
20	4.220	4.198	4.242	VV	514	9831	0.08%	0.004%
21	4.254	4.242	4.281	VV	315	6466	0.05%	0.003%
22	4.310	4.281	4.331	VV	456	11373	0.09%	0.004%
23	4.347	4.331	4.371	VV	400	8141	0.06%	0.003%
24	4.398	4.371	4.433	VV	443	12870	0.10%	0.005%
25	4.453	4.433	4.502	VV	400	12169	0.09%	0.005%
26	4.519	4.502	4.537	VV	312	6342	0.05%	0.002%
27	4.572	4.537	4.592	VV	510495	4790419	37.00%	1.877%
28	4.611	4.592	4.668	VV	563261	5582125	43.12%	2.187%
29	4.685	4.668	4.711	VV	6236	88889	0.69%	0.035%
30	4.732	4.711	4.841	VV	7845	144512	1.12%	0.057%
31	4.855	4.841	4.924	VV	666	25744	0.20%	0.010%
32	4.937	4.924	4.951	VV	463	6913	0.05%	0.003%
33	4.960	4.951	4.973	VV	343	4644	0.04%	0.002%
34	4.984	4.973	5.009	VV	449	7154	0.06%	0.003%
35	5.025	5.009	5.137	VV	368	22312	0.17%	0.009%
36	5.146	5.137	5.208	VV	281	9946	0.08%	0.004%

					retention				
37	5.232	5.208	5.268	VV	367	9458	0.07%	0.004%	
38	5.275	5.268	5.287	VV	247	2507			
39	5.296	5.287	5.315	VV	231	3420			
40	5.323	5.315	5.354	VV	216	3971			
41	5.369	5.354	5.452	VV	212	8721			
42	5.488	5.452	5.515	VV	207	5109			
43	5.552	5.515	5.563	VV	389	8332	0.06%	0.003%	
44	5.570	5.563	5.585	VV	292	3339	0.03%	0.001%	
45	5.589	5.585	5.618	VV	238	3474	0.03%	0.001%	
46	5.631	5.618	5.674	VV	228	3728	0.03%	0.001%	
47	5.709	5.674	5.738	VV	1579	19767	0.15%	0.008%	
48	5.745	5.738	5.794	VV	216	4151	0.03%	0.002%	
49	5.822	5.794	5.842	VV	209	4389	0.03%	0.002%	
50	5.876	5.842	5.955	VV	267	12032	0.09%	0.005%	
51	5.963	5.955	5.990	VV	213	3014	0.02%	0.001%	
52	6.018	5.990	6.041	VV	258	5272	0.04%	0.002%	
53	6.057	6.041	6.090	VV	250	4654	0.04%	0.002%	
54	6.113	6.090	6.178	VV	253	6804	0.05%	0.003%	
55	6.187	6.178	6.207	VV	126	1146	0.01%	0.000%	
56	6.220	6.207	6.251	VV	118	1631	0.01%	0.001%	
57	6.285	6.251	6.432	PV	585433	6041405	46.66%	2.367%	
58	6.450	6.432	6.583	VV	2273	100601	0.78%	0.039%	
59	6.603	6.583	6.689	VV	862	42233	0.33%	0.017%	
60	6.697	6.689	6.706	VV	482	4539	0.04%	0.002%	
61	6.742	6.706	6.855	VV	535893	5272505	40.72%	2.066%	
62	6.867	6.855	6.877	VV	515	7064	0.05%	0.003%	
63	6.894	6.877	6.962	VV	730	23632	0.18%	0.009%	
64	6.975	6.962	6.987	VV	364	4653	0.04%	0.002%	
65	7.031	6.987	7.060	VV	436	14617	0.11%	0.006%	
66	7.070	7.060	7.118	VV	307	8454	0.07%	0.003%	
67	7.123	7.118	7.136	VV	147	1720	0.01%	0.001%	
68	7.152	7.136	7.169	VV	224	3172	0.02%	0.001%	
69	7.186	7.169	7.257	VV	225	6764	0.05%	0.003%	
70	7.290	7.257	7.348	VV	13003	177547	1.37%	0.070%	
71	7.384	7.348	7.507	VV	524798	5650295	43.64%	2.214%	
72	7.527	7.507	7.557	VV	3474	70671	0.55%	0.028%	
73	7.588	7.557	7.648	VV	3331	111129	0.86%	0.044%	
74	7.661	7.648	7.678	VV	1784	26111	0.20%	0.010%	
75	7.689	7.678	7.717	VV	1933	28797	0.22%	0.011%	
76	7.752	7.717	7.766	VV	867	21038	0.16%	0.008%	
77	7.776	7.766	7.828	VV	824	19320	0.15%	0.008%	
78	7.839	7.828	7.850	VV	339	4093	0.03%	0.002%	
79	7.869	7.850	7.891	VV	899	12992	0.10%	0.005%	
80	7.921	7.891	7.961	VV	343	10530	0.08%	0.004%	
81	8.264	8.250	8.285	VV	1100	18638	0.14%	0.007%	
82	8.319	8.285	8.378	VV	1063	37854	0.29%	0.015%	
83	8.407	8.378	8.465	VV	694	26801	0.21%	0.011%	
84	8.477	8.465	8.491	VV	553	7547	0.06%	0.003%	
85	8.508	8.491	8.525	VV	1111	16104	0.12%	0.006%	
86	8.576	8.525	8.643	VV	538241	5586593	43.15%	2.189%	
87	8.690	8.643	8.862	VV	640670	6588659	50.89%	2.582%	
88	8.990	8.960	9.220	VV	651387	6921646	53.46%	2.712%	
89	9.235	9.220	9.256	VV	1267	23612	0.18%	0.009%	

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90	9.282	9.256	9.351	VV	2914	88067	0.68%	0.035%
91	9.360	9.351	9.379	VV	752	11100		
92	9.403	9.379	9.428	VV	1928	30727		
93	9.446	9.428	9.509	VV	702	21675		
94	9.515	9.509	9.544	VV	273	5330		
95	9.558	9.544	9.582	VV	367	6148		
96	9.592	9.582	9.629	VV	342	5372	0.04%	0.002%
97	9.637	9.629	9.674	VV	89	1680	0.01%	0.001%
98	9.695	9.674	9.726	VV	302	3444	0.03%	0.001%
99	9.782	9.726	9.924	PV	606950	6846641	52.88%	2.683%
100	9.936	9.924	9.975	VV	2190	52195	0.40%	0.020%
101	10.000	9.975	10.041	VV	8019	137920	1.07%	0.054%
102	10.067	10.041	10.155	VV	28993	530126	4.09%	0.208%
103	10.186	10.155	10.250	VV	559830	6065594	46.85%	2.377%
104	10.267	10.250	10.361	VV	1674	70420	0.54%	0.028%
105	10.370	10.361	10.395	VV	521	8628	0.07%	0.003%
106	10.412	10.395	10.449	VV	1396	18453	0.14%	0.007%
107	10.480	10.449	10.507	VV	336	6844	0.05%	0.003%
108	10.540	10.507	10.621	VV	2050	40368	0.31%	0.016%
109	10.638	10.621	10.648	VV	347	4515	0.03%	0.002%
110	10.680	10.648	10.701	VV	517	9067	0.07%	0.004%
111	10.717	10.701	10.763	VV	478	7181	0.06%	0.003%
112	10.788	10.763	10.838	PV	396	8426	0.07%	0.003%
113	10.884	10.838	10.907	VV	1064	21525	0.17%	0.008%
114	10.925	10.907	10.945	VV	1196	16901	0.13%	0.007%
115	10.960	10.945	10.973	VV	600	7414	0.06%	0.003%
116	11.005	10.973	11.030	VV	4504	76698	0.59%	0.030%
117	11.040	11.030	11.079	VV	2009	32179	0.25%	0.013%
118	11.093	11.079	11.111	VV	453	5505	0.04%	0.002%
119	11.136	11.111	11.146	VV	657	10121	0.08%	0.004%
120	11.195	11.146	11.241	VV	649404	7092324	54.78%	2.779%
121	11.271	11.241	11.415	VV	563222	7095640	54.81%	2.781%
122	11.434	11.415	11.510	VV	5416	134174	1.04%	0.053%
123	11.535	11.510	11.595	VV	2438	91930	0.71%	0.036%
124	11.634	11.595	11.695	VV	563844	6325349	48.86%	2.479%
125	11.727	11.695	11.781	VV	1812	52397	0.40%	0.021%
126	11.797	11.781	11.813	VV	945	12903	0.10%	0.005%
127	11.827	11.813	11.854	VV	747	11283	0.09%	0.004%
128	11.877	11.854	11.903	VV	652	11305	0.09%	0.004%
129	11.957	11.903	11.994	VV	654364	7041033	54.38%	2.759%
130	12.008	11.994	12.025	VV	3030	46449	0.36%	0.018%
131	12.055	12.025	12.101	VV	7702	160540	1.24%	0.063%
132	12.120	12.101	12.141	VV	3821	55719	0.43%	0.022%
133	12.154	12.141	12.171	VV	1884	25830	0.20%	0.010%
134	12.189	12.171	12.261	VV	1828	32209	0.25%	0.013%
135	12.303	12.261	12.338	PV	980	19455	0.15%	0.008%
136	12.346	12.338	12.350	VV	331	2085	0.02%	0.001%
137	12.365	12.350	12.376	VV	604	7253	0.06%	0.003%
138	12.402	12.376	12.454	VV	3128	74830	0.58%	0.029%
139	12.478	12.454	12.545	VV	2210	62233	0.48%	0.024%
140	12.565	12.545	12.616	VV	20435	303343	2.34%	0.119%
141	12.631	12.616	12.651	VV	1970	33576	0.26%	0.013%

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142	12.661	12.651	12.705	VV	1223	28949	0.22%	0.011%	
143	12.767	12.705	12.788	VV	2244	55231			
144	12.798	12.788	12.851	VV	1162	30473			
145	12.878	12.851	12.913	VV	2968	60451			
146	12.947	12.913	12.987	VV	542614	6365014	49.23%	1.948%	
147	13.024	12.987	13.151	VV	633331	7417352	57.10%	2.447%	
148	13.211	13.151	13.255	VV	7577	138117	1.07%	0.054%	
149	13.268	13.255	13.284	VV	906	13283	0.10%	0.005%	
150	13.324	13.284	13.364	VV	610725	7113317	54.94%	2.788%	
151	13.393	13.364	13.481	VV	404113	4972293	38.41%	1.948%	
152	13.500	13.481	13.525	VV	2027	40088	0.31%	0.016%	
153	13.560	13.525	13.592	VV	541750	6243968	48.23%	2.447%	
154	13.613	13.592	13.708	VV	5238	141172	1.09%	0.055%	
155	13.727	13.708	13.763	VV	741	20301	0.16%	0.008%	
156	13.800	13.763	13.881	VV	2291	71980	0.56%	0.028%	
157	13.928	13.881	13.963	VV	2275	63324	0.49%	0.025%	
158	13.986	13.963	14.011	VV	1888	33261	0.26%	0.013%	
159	14.034	14.011	14.054	VV	1350	25561	0.20%	0.010%	
160	14.071	14.054	14.083	VV	1506	20829	0.16%	0.008%	
161	14.098	14.083	14.115	VV	2052	28306	0.22%	0.011%	
162	14.148	14.115	14.188	VV	509352	6155614	47.55%	2.412%	
163	14.197	14.188	14.226	VV	1871	30074	0.23%	0.012%	
164	14.272	14.226	14.318	VV	1943	47095	0.36%	0.018%	
165	14.340	14.318	14.430	VV	1987	51621	0.40%	0.020%	
166	14.450	14.430	14.470	VV	297	4667	0.04%	0.002%	
167	14.544	14.470	14.569	PV	2402	48366	0.37%	0.019%	
168	14.584	14.569	14.606	VV	1386	21478	0.17%	0.008%	
169	14.625	14.606	14.644	VV	1121	18554	0.14%	0.007%	
170	14.655	14.644	14.669	VV	769	10098	0.08%	0.004%	
171	14.708	14.669	14.735	VV	3024	56977	0.44%	0.022%	
172	14.753	14.735	14.765	VV	857	13528	0.10%	0.005%	
173	14.773	14.765	14.792	VV	1075	13970	0.11%	0.005%	
174	14.817	14.792	14.830	VV	983	16916	0.13%	0.007%	
175	14.850	14.830	14.875	VV	1467	27417	0.21%	0.011%	
176	14.903	14.875	14.940	VV	2274	49093	0.38%	0.019%	
177	14.963	14.940	14.977	VV	1001	16272	0.13%	0.006%	
178	14.999	14.977	15.046	VV	1535	37146	0.29%	0.015%	
179	15.089	15.046	15.153	VV	3848	76181	0.59%	0.030%	
180	15.211	15.153	15.229	VV	520162	6308663	48.73%	2.472%	
181	15.254	15.229	15.355	VV	999130	12946889	100.00%	5.074%	
182	15.372	15.355	15.433	VV	3174	106857	0.83%	0.042%	
183	15.445	15.433	15.542	VV	1506	64043	0.49%	0.025%	
184	15.567	15.542	15.593	VV	1162	27000	0.21%	0.011%	
185	15.635	15.593	15.715	VV	24883	432811	3.34%	0.170%	
186	15.730	15.715	15.748	VV	689	11920	0.09%	0.005%	
187	15.793	15.748	15.818	VV	7933	170312	1.32%	0.067%	
188	15.846	15.818	15.876	VV	3480	54651	0.42%	0.021%	
189	15.903	15.876	15.922	VV	1117	20908	0.16%	0.008%	
190	15.940	15.922	15.981	VV	951	25476	0.20%	0.010%	
191	15.990	15.981	16.013	VV	497	6179	0.05%	0.002%	
192	16.042	16.013	16.062	VV	672	13106	0.10%	0.005%	
193	16.077	16.062	16.111	VV	525	12076	0.09%	0.005%	
194	16.154	16.111	16.195	VV	1143	24883	0.19%	0.010%	

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195	16.279	16.195	16.325	PV	461967	5829613	45.03%	2.284%
196	16.341	16.325	16.364	VV	1507	20595		
197	16.408	16.364	16.425	VV	399	10701		
198	16.476	16.425	16.531	PV	1502	37953		
199	16.582	16.531	16.598	VV	1791	41661		
200	16.612	16.598	16.628	VV	1869	27307		
201	16.652	16.628	16.688	VV	7664	149035	1.15%	0.058%
202	16.701	16.688	16.718	VV	2872	44608	0.34%	0.017%
203	16.779	16.718	16.794	VV	478532	6615421	51.10%	2.592%
204	16.811	16.794	16.895	VV	537788	7224658	55.80%	2.831%
205	16.908	16.895	16.943	VV	4784	127267	0.98%	0.050%
206	16.959	16.943	17.008	VV	4943	127591	0.99%	0.050%
207	17.054	17.008	17.085	VV	5741	171843	1.33%	0.067%
208	17.104	17.085	17.124	VV	7374	106618	0.82%	0.042%
209	17.163	17.124	17.197	VV	466490	6345981	49.02%	2.487%
210	17.229	17.197	17.260	VV	440019	5894756	45.53%	2.310%
211	17.273	17.260	17.287	VV	7268	94063	0.73%	0.037%
212	17.305	17.287	17.341	VV	12058	175621	1.36%	0.069%
213	17.358	17.341	17.388	VV	708	15422	0.12%	0.006%
214	17.421	17.388	17.454	VV	560	14638	0.11%	0.006%
215	17.482	17.454	17.507	VV	411	9584	0.07%	0.004%
216	17.596	17.507	17.641	VV	10121	200371	1.55%	0.079%
217	17.677	17.641	17.730	VV	13844	204692	1.58%	0.080%
218	17.760	17.730	17.788	VV	1960	31667	0.24%	0.012%
219	17.796	17.788	17.817	VV	547	6869	0.05%	0.003%
220	17.840	17.817	17.875	VV	617	13435	0.10%	0.005%
221	17.893	17.875	17.926	VV	453	8667	0.07%	0.003%
222	18.009	17.926	18.029	PV	1645	37640	0.29%	0.015%
223	18.119	18.029	18.171	VV	406028	5543775	42.82%	2.172%
224	18.209	18.171	18.238	VV	17335	250397	1.93%	0.098%
225	18.262	18.238	18.288	VV	952	21940	0.17%	0.009%
226	18.349	18.288	18.407	VV	1448	40601	0.31%	0.016%
227	18.478	18.407	18.507	PV	16153	321596	2.48%	0.126%
228	18.545	18.507	18.560	VV	458765	6553331	50.62%	2.568%
229	18.577	18.560	18.758	VV	489877	7141227	55.16%	2.798%
230	18.802	18.758	18.911	VV	445358	6899872	53.29%	2.704%
231	18.951	18.911	19.018	VV	398522	5523935	42.67%	2.165%
232	19.051	19.018	19.097	VV	16692	298612	2.31%	0.117%
233	19.112	19.097	19.137	VV	1490	29242	0.23%	0.011%
234	19.151	19.137	19.173	VV	977	12346	0.10%	0.005%
235	19.311	19.173	19.332	PV	21228	406819	3.14%	0.159%
236	19.349	19.332	19.405	VV	13126	281006	2.17%	0.110%
237	19.434	19.405	19.465	VV	2686	77586	0.60%	0.030%
238	19.489	19.465	19.518	VV	2956	70442	0.54%	0.028%
239	19.549	19.518	19.567	VV	2309	49931	0.39%	0.020%
240	19.597	19.567	19.629	VV	2250	67569	0.52%	0.026%
241	19.652	19.629	19.669	VV	1538	30161	0.23%	0.012%
242	19.737	19.669	19.781	VV	376193	5271291	40.71%	2.066%
243	19.843	19.781	19.895	VV	9419	383641	2.96%	0.150%
244	19.917	19.895	19.942	VV	3455	84089	0.65%	0.033%
245	20.019	19.942	20.051	VV	4437	218463	1.69%	0.086%
246	20.106	20.051	20.132	VV	11505	350600	2.71%	0.137%

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025

Chromatogram Data									
Peak No.	Retention Time (min)	Area	Height	Width	Integration	Integration	Integration	Integration	Integration
247	20.144	20.132	20.168	VV	6250	119001	0.92%	0.047%	
248	20.374	20.168	20.401	VV	9611	902046			
249	20.477	20.401	20.526	VV	372053	5605713	43.74%	2.321%	
250	20.640	20.526	20.656	VV	17362	920393			
251	20.684	20.656	20.735	VV	15792	667640			
252	20.746	20.735	20.761	VV	12108	190289			
253	20.834	20.761	20.859	VV	15711	760682	5.88%	0.298%	
254	20.868	20.859	20.874	VV	12891	120353	0.93%	0.047%	
255	20.882	20.874	20.905	VV	12872	229122	1.77%	0.090%	
256	21.032	20.905	21.045	VV	13209	1071930	8.28%	0.420%	
257	21.063	21.045	21.098	VV	13002	403680	3.12%	0.158%	
258	21.137	21.098	21.175	VV	12345	559581	4.32%	0.219%	
259	21.227	21.175	21.330	VV	296564	5922469	45.74%	2.321%	
260	21.424	21.330	21.521	VV	10798	1160780	8.97%	0.455%	
261	21.580	21.521	21.607	VV	8510	442176	3.42%	0.173%	
262	21.662	21.607	21.838	VV	9321	1002313	7.74%	0.393%	
263	21.856	21.838	21.864	VV	5273	81496	0.63%	0.032%	
264	21.910	21.864	21.937	VV	5234	222825	1.72%	0.087%	
265	21.947	21.937	21.988	VV	4690	135326	1.05%	0.053%	
266	21.991	21.988	22.041	VV	4115	113442	0.88%	0.044%	
267	22.050	22.041	22.064	VV	3241	43504	0.34%	0.017%	
268	22.163	22.064	22.277	VV	216733	5250686	40.56%	2.058%	
269	22.290	22.277	22.308	VV	253	3100	0.02%	0.001%	
Sum of corrected areas:					255185851				

Instrument :

FID_E

ClientSampleId :

VNJ-238MSD

0.92% 0.047%

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/12/2025

Supervised By :Yogesh Patel 11/12/2025

Aliphatic EPH 103025.M Wed Nov 12 04:29:48 2025