

rters

Instrument :

FID_F

ClientSampleId :

DB-4-(7.5-8)-12-8-21MSD

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF12212
 Data File : FF009499.D
 Signal(s) : FID2B.ch
 Acq On : 21 Dec 2021 18:35
 Sample : M5181-03MSD
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Reviewed By :Yogesh Patel 12/22/2021

Supervised By :mohammad ahmed 12/22/2021

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF121521.M
 Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.127	2.100	2.155	BH	16186	61523	0.05%	0.001%
2	2.188	2.155	2.232	PH	329296	2296202	1.97%	0.022%
3	2.258	2.232	2.276	PH	7503	19843	0.02%	0.000%
4	2.292	2.276	2.299	PH	-1910	-30077	-0.03%	-0.000%
5	2.313	2.299	2.325	PH	5669	19914	0.02%	0.000%
6	2.338	2.325	2.361	PH	7393	28110	0.02%	0.000%
7	2.373	2.361	2.390	PH	-26	-22534	-0.02%	-0.000%
8	2.412	2.390	2.443	PH	18269	202005	0.17%	0.002%
9	2.458	2.443	2.463	PH	27199	178325	0.15%	0.002%
10	2.475	2.463	2.496	HH	86818	756191	0.65%	0.007%
11	2.508	2.496	2.519	HH	34050	250804	0.22%	0.002%
12	2.537	2.519	2.554	HH	81101	882401	0.76%	0.008%
13	2.572	2.554	2.606	HH	31665	460724	0.40%	0.004%
14	2.644	2.606	2.648	PH	52391	516167	0.44%	0.005%
15	2.656	2.648	2.681	HH	65982	587726	0.50%	0.006%
16	2.696	2.681	2.717	HH	9750	72722	0.06%	0.001%
17	2.741	2.717	2.753	PH	18720	155177	0.13%	0.001%
18	2.768	2.753	2.778	HH	22774	210741	0.18%	0.002%
19	2.787	2.778	2.792	HH	17931	126439	0.11%	0.001%
20	2.796	2.792	2.820	HH	18083	125030	0.11%	0.001%
21	2.854	2.820	2.869	PH	31935	306083	0.26%	0.003%
22	2.883	2.869	2.893	HH	28686	240847	0.21%	0.002%
23	2.900	2.893	2.910	HH	22811	187668	0.16%	0.002%
24	2.928	2.910	2.933	HH	33412	333213	0.29%	0.003%
25	2.945	2.933	2.974	HH	67235	861264	0.74%	0.008%
26	2.986	2.974	2.992	HH	16965	139691	0.12%	0.001%
27	3.006	2.992	3.024	HH	97332	999184	0.86%	0.009%
28	3.037	3.024	3.064	HH	62949	882527	0.76%	0.008%
29	3.071	3.064	3.081	HH	15144	127704	0.11%	0.001%
30	3.095	3.081	3.117	HH	13401	171248	0.15%	0.002%
31	3.137	3.117	3.151	PH	54020	495433	0.43%	0.005%
32	3.164	3.151	3.172	HH	35648	336465	0.29%	0.003%
33	3.188	3.172	3.198	HH	116339	1131510	0.97%	0.011%
34	3.212	3.198	3.227	HH	295842	2936726	2.52%	0.028%
35	3.233	3.227	3.273	HH	86856	938183	0.81%	0.009%
36	3.291	3.273	3.300	PH	21584	194890	0.17%	0.002%

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37	3.317	3.300	3.329	HH	185876	1813059	1.56%	0.017%
38	3.341	3.329	3.359	HH	217894	2253588		
39	3.375	3.359	3.395	HH	183542	2605015		
40	3.399	3.395	3.419	HH	91730	948359		
41	3.433	3.419	3.446	HH	106837	1031558		
42	3.465	3.446	3.494	HH	258218	3656257		
43	3.525	3.494	3.544	HH	269384	4140254	3.55%	0.039%
44	3.571	3.544	3.610	HH	816241	13395947	11.50%	0.127%
45	3.642	3.610	3.673	HH	619308	10525626	9.03%	0.100%
46	3.688	3.673	3.718	HH	260360	3755040	3.22%	0.036%
47	3.732	3.718	3.750	HH	153432	1604164	1.38%	0.015%
48	3.782	3.750	3.799	HH	265248	4630966	3.97%	0.044%
49	3.808	3.799	3.828	HH	259588	2927629	2.51%	0.028%
50	3.848	3.828	3.872	HH	213441	3241198	2.78%	0.031%
51	3.888	3.872	3.909	HH	287368	4808014	4.13%	0.046%
52	3.923	3.909	3.942	HH	416608	6446483	5.53%	0.061%
53	3.955	3.942	3.977	HH	399725	5382685	4.62%	0.051%
54	3.999	3.977	4.007	HH	231256	2898818	2.49%	0.028%
55	4.022	4.007	4.048	HH	258760	5208783	4.47%	0.049%
56	4.066	4.048	4.084	HH	403075	5959914	5.12%	0.057%
57	4.105	4.084	4.138	HH	432599	7383353	6.34%	0.070%
58	4.176	4.138	4.195	HH	645793	9251210	7.94%	0.088%
59	4.214	4.195	4.221	HH	369394	4378990	3.76%	0.042%
60	4.229	4.221	4.239	HH	369955	3650520	3.13%	0.035%
61	4.265	4.239	4.288	HH	583830	12072207	10.36%	0.115%
62	4.299	4.288	4.313	HH	291248	3535482	3.03%	0.034%
63	4.331	4.313	4.374	HH	573371	10012313	8.59%	0.095%
64	4.425	4.374	4.441	HH	556570	12686103	10.89%	0.120%
65	4.462	4.441	4.506	HH	998195	23906067	20.52%	0.227%
66	4.522	4.506	4.538	HH	864987	11197177	9.61%	0.106%
67	4.545	4.538	4.555	HH	388237	3730637	3.20%	0.035%
68	4.577	4.555	4.589	HH	813123	12654497	10.86%	0.120%
69	4.593	4.589	4.611	HH	653808	6945653	5.96%	0.066%
70	4.640	4.611	4.656	HH	910304	16317984	14.01%	0.155%
71	4.675	4.656	4.679	HH	1115777	11923690	10.23%	0.113%
72	4.682	4.679	4.704	HH	1115198	11381478	9.77%	0.108%
73	4.737	4.704	4.765	HH	1571538	28575016	24.53%	0.271%
74	4.785	4.765	4.810	HH	635079	13286473	11.40%	0.126%
75	4.824	4.810	4.842	HH	577866	8329705	7.15%	0.079%
76	4.889	4.842	4.931	HH	824618	25081792	21.53%	0.238%
77	4.955	4.931	4.965	HH	673926	9941680	8.53%	0.094%
78	4.980	4.965	4.993	HH	1115237	14372196	12.34%	0.137%
79	5.003	4.993	5.022	HH	850183	13926332	11.95%	0.132%
80	5.027	5.022	5.045	HH	794746	8533805	7.32%	0.081%
81	5.064	5.045	5.086	HH	710887	14770490	12.68%	0.140%
82	5.107	5.086	5.118	HH	744328	12296826	10.55%	0.117%
83	5.122	5.118	5.135	HH	691251	7265387	6.24%	0.069%
84	5.162	5.135	5.175	HH	825109	16916944	14.52%	0.161%
85	5.193	5.175	5.208	HH	1180038	19121828	16.41%	0.182%
86	5.224	5.208	5.250	HH	1162889	24196882	20.77%	0.230%
87	5.254	5.250	5.266	HH	759457	6858921	5.89%	0.065%
88	5.283	5.266	5.297	HH	819825	13306773	11.42%	0.126%
89	5.332	5.297	5.351	HH	2371725	45172621	38.77%	0.429%

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					retention				
90	5.379	5.351	5.393	HH	1125579	22911511	19.66%	0.218%	
91	5.398	5.393	5.412	HH	838733	8694108			
92	5.428	5.412	5.444	HH	938901	15130137	12.89%	0.143%	
93	5.459	5.444	5.464	HH	901297	10373702	8.14%	0.107%	
94	5.492	5.464	5.513	HH	3158463	51115099	43.34%	0.480%	
95	5.538	5.513	5.548	HH	1074645	20888773	17.07%	0.218%	
96	5.560	5.548	5.576	HH	1166757	16913831	14.52%	0.161%	
97	5.597	5.576	5.617	HH	1773728	32431732	27.84%	0.308%	
98	5.622	5.617	5.641	HH	1174377	13664311	11.73%	0.130%	
99	5.662	5.641	5.688	HH	1300049	28904533	24.81%	0.275%	
100	5.704	5.688	5.710	HH	1350833	15493329	13.30%	0.147%	
101	5.720	5.710	5.742	HH	1485483	21140390	18.14%	0.201%	
102	5.768	5.742	5.784	HH	1704192	27290308	23.42%	0.259%	
103	5.816	5.784	5.834	HH	1990153	40469914	34.73%	0.384%	
104	5.845	5.834	5.857	HH	1181900	15015763	12.89%	0.143%	
105	5.868	5.857	5.881	HH	1113468	15223024	13.07%	0.145%	
106	5.906	5.881	5.924	HH	1430525	31440538	26.98%	0.299%	
107	5.958	5.924	5.974	HH	1554007	37690992	32.35%	0.358%	
108	5.994	5.974	6.015	HH	1766888	32851176	28.20%	0.312%	
109	6.047	6.015	6.076	HH	1842201	51989411	44.62%	0.494%	
110	6.097	6.076	6.118	HH	2093496	40821531	35.04%	0.388%	
111	6.133	6.118	6.153	HH	1432947	28742615	24.67%	0.273%	
112	6.180	6.153	6.201	HH	2284210	50501473	43.34%	0.480%	
113	6.224	6.201	6.239	HH	2186610	43816668	37.61%	0.416%	
114	6.251	6.239	6.291	HH	1836914	48347436	41.50%	0.459%	
115	6.315	6.291	6.327	HH	1785357	33629271	28.86%	0.319%	
116	6.332	6.327	6.347	HH	1664840	17959613	15.41%	0.171%	
117	6.383	6.347	6.408	HH	1825395	56064553	48.12%	0.533%	
118	6.424	6.408	6.434	HH	1856039	24604900	21.12%	0.234%	
119	6.458	6.434	6.473	HH	4132320	67605989	58.02%	0.642%	
120	6.489	6.473	6.508	HH	3256818	49229964	42.25%	0.468%	
121	6.523	6.508	6.535	HH	1798709	25301578	21.72%	0.240%	
122	6.579	6.535	6.599	HH	2031560	68703722	58.97%	0.653%	
123	6.623	6.599	6.667	HH	2582685	77095714	66.17%	0.732%	
124	6.685	6.667	6.729	HH	2125606	61592616	52.86%	0.585%	
125	6.757	6.729	6.777	HH	2151183	51422202	44.13%	0.488%	
126	6.800	6.777	6.810	HH	2208685	37618534	32.29%	0.357%	
127	6.824	6.810	6.839	HH	2399808	37536448	32.22%	0.357%	
128	6.858	6.839	6.888	HH	2423672	57476728	49.33%	0.546%	
129	6.912	6.888	6.929	HH	2303599	48337055	41.49%	0.459%	
130	6.940	6.929	6.979	HH	1881887	48427549	41.56%	0.460%	
131	7.016	6.979	7.044	HH	5688784	116512605	100.00%	1.107%	
132	7.062	7.044	7.084	HH	2258393	47408731	40.69%	0.450%	
133	7.107	7.084	7.124	HH	2639672	50030905	42.94%	0.475%	
134	7.137	7.124	7.156	HH	1862539	33585975	28.83%	0.319%	
135	7.196	7.156	7.219	HH	2553826	79000502	67.80%	0.750%	
136	7.229	7.219	7.249	HH	1942848	32402461	27.81%	0.308%	
137	7.269	7.249	7.286	HH	2217744	43993494	37.76%	0.418%	
138	7.295	7.286	7.303	HH	1928697	18852431	16.18%	0.179%	
139	7.315	7.303	7.333	HH	2131624	36620671	31.43%	0.348%	
140	7.356	7.333	7.373	HH	2081919	46933685	40.28%	0.446%	
141	7.401	7.373	7.428	HH	3545918	81629274	70.06%	0.775%	

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142	7.442	7.428	7.466	HH	2106456	40150353	34.46%	0.381%	
143	7.486	7.466	7.498	HH	1910670	32783414	28.97%	0.442%	
144	7.514	7.498	7.525	HH	2139368	30951261	26.97%	0.367%	
145	7.556	7.525	7.579	HH	2316760	67586952	58.97%	0.600%	
146	7.587	7.579	7.619	HH	1793966	40639581	34.46%	0.714%	
147	7.652	7.619	7.670	HH	2259340	54474148	46.97%	0.234%	
148	7.687	7.670	7.715	HH	1896888	46564276	39.97%	0.840%	
149	7.738	7.715	7.753	HH	1737053	38685807	33.20%	0.481%	
150	7.791	7.753	7.809	HH	2140862	63173305	54.22%	0.333%	
151	7.830	7.809	7.872	HH	2668884	75159808	64.51%	0.235%	
152	7.892	7.872	7.897	HH	1826738	24639365	21.15%	0.351%	
153	7.928	7.897	7.946	HH	4857284	88476362	75.94%	0.381%	
154	7.966	7.946	7.990	HH	2340643	50660920	43.48%	0.492%	
155	8.009	7.990	8.024	HH	1932301	35065245	30.10%	0.150%	
156	8.041	8.024	8.048	HH	1815546	24704059	21.20%	0.286%	
157	8.074	8.048	8.080	HH	1995641	36969099	31.73%	0.216%	
158	8.094	8.080	8.115	HH	2070834	40122774	34.44%	0.846%	
159	8.142	8.115	8.159	HH	2307002	51815294	44.47%	0.306%	
160	8.168	8.159	8.175	HH	1718539	15754099	13.52%	0.255%	
161	8.190	8.175	8.203	HH	1949161	30162548	25.89%	0.505%	
162	8.211	8.203	8.225	HH	1789209	22756034	19.53%	0.199%	
163	8.256	8.225	8.295	HH	2864356	89117851	76.49%	0.310%	
164	8.308	8.295	8.325	HH	1938692	32216212	27.65%	0.353%	
165	8.337	8.325	8.351	HH	1843527	26836351	23.03%	0.230%	
166	8.373	8.351	8.404	HH	1812660	53147124	45.61%	0.485%	
167	8.420	8.404	8.429	HH	1480220	20906263	17.94%	0.904%	
168	8.449	8.429	8.461	HH	1895772	32608725	27.99%	0.199%	
169	8.479	8.461	8.496	HH	1979489	37199747	31.93%	0.337%	
170	8.509	8.496	8.524	HH	1579795	24164620	20.74%	0.303%	
171	8.547	8.524	8.568	HH	2692362	51013793	43.78%	0.313%	
172	8.588	8.568	8.592	HH	1712396	22767848	19.54%	0.197%	
173	8.636	8.592	8.657	HH	3909061	95127433	81.65%	0.455%	
174	8.662	8.657	8.681	HH	1498651	20951014	17.98%	0.123%	
175	8.703	8.681	8.720	HH	1771483	35497939	30.47%	0.243%	
176	8.737	8.720	8.754	HH	1651638	31886933	27.37%	0.415%	
177	8.769	8.754	8.789	HH	1763151	32970419	28.30%	0.197%	
178	8.804	8.789	8.813	HH	1447432	20782374	17.84%	0.455%	
179	8.849	8.813	8.866	HH	1610568	47892490	41.10%	0.106%	
180	8.875	8.866	8.880	HH	1488927	12985906	11.15%	0.208%	
181	8.887	8.880	8.910	HH	1494793	25587631	21.96%	0.288%	
182	8.942	8.910	8.960	HH	1590706	43721327	37.52%	0.416%	
183	8.989	8.960	9.015	HH	1560481	43836858	37.62%	0.194%	
184	9.036	9.015	9.042	HH	1332199	20464305	17.56%	0.246%	
185	9.056	9.042	9.075	HH	1455159	25900593	22.23%	0.106%	
186	9.086	9.075	9.091	HH	1164338	11112785	9.54%	0.208%	
187	9.109	9.091	9.120	HH	1309518	21883434	18.78%	0.288%	
188	9.139	9.120	9.160	HH	1325845	30282519	25.99%	0.288%	
189	9.188	9.160	9.199	HH	1451085	30304005	26.01%	0.200%	
190	9.207	9.199	9.225	HH	1436899	21024383	18.04%	0.132%	
191	9.231	9.225	9.244	HH	1212932	13910769	11.94%	0.258%	
192	9.272	9.244	9.279	HH	1468850	27125898	23.28%	0.360%	
193	9.296	9.279	9.322	HH	1835597	37856608	32.49%	0.620%	
194	9.351	9.322	9.404	HH	1723222	65317635	56.06%		

195	9.409	9.404	9.412	HH	1139822	5240559	4.50%	0.050%
196	9.435	9.412	9.482	HH	1370491	50325002	43.00%	0.000%
197	9.511	9.482	9.539	HH	1155407	37394918	32.00%	0.000%
198	9.557	9.539	9.567	HH	1066486	17470995	14.00%	0.000%
199	9.586	9.567	9.605	HH	1188636	25499776	21.00%	0.000%
200	9.634	9.605	9.659	HH	1287023	38437498	32.00%	0.000%
201	9.678	9.659	9.703	HH	1449178	32032223	27.49%	0.304%
202	9.707	9.703	9.717	HH	1123290	9570316	8.21%	0.091%
203	9.731	9.717	9.742	HH	1133433	16544220	14.20%	0.157%
204	9.759	9.742	9.765	HH	1151795	15971695	13.71%	0.152%
205	9.777	9.765	9.815	HH	1173838	32793289	28.15%	0.311%
206	9.852	9.815	9.889	HH	1137889	47324609	40.62%	0.450%
207	9.907	9.889	9.933	HH	1138502	28792366	24.71%	0.273%
208	9.950	9.933	9.960	HH	1087699	17231618	14.79%	0.164%
209	9.965	9.960	9.971	HH	1069097	6737576	5.78%	0.064%
210	9.987	9.971	9.999	HH	1112144	18536084	15.91%	0.176%
211	10.011	9.999	10.034	HH	1126832	23467383	20.14%	0.223%
212	10.067	10.034	10.089	HH	1685778	45060739	38.67%	0.428%
213	10.098	10.089	10.102	HH	1195274	9244731	7.93%	0.088%
214	10.142	10.102	10.173	HH	1319041	52805842	45.32%	0.502%
215	10.210	10.173	10.234	HH	1276269	43220141	37.09%	0.411%
216	10.260	10.234	10.270	HH	1197627	25347773	21.76%	0.241%
217	10.277	10.270	10.289	HH	1184802	12775388	10.96%	0.121%
218	10.314	10.289	10.335	HH	1247870	33331440	28.61%	0.317%
219	10.343	10.335	10.371	HH	1248147	26164010	22.46%	0.249%
220	10.395	10.371	10.400	HH	1224541	20634807	17.71%	0.196%
221	10.412	10.400	10.418	HH	1253554	13392895	11.49%	0.127%
222	10.436	10.418	10.450	HH	1325037	24320782	20.87%	0.231%
223	10.492	10.450	10.515	HH	1984231	60158994	51.63%	0.571%
224	10.539	10.515	10.585	HH	1360866	53735224	46.12%	0.510%
225	10.611	10.585	10.631	HH	1307377	34667910	29.75%	0.329%
226	10.651	10.631	10.672	HH	1338621	31751363	27.25%	0.302%
227	10.688	10.672	10.706	HH	1344023	26437196	22.69%	0.251%
228	10.733	10.706	10.770	HH	1340834	50135672	43.03%	0.476%
229	10.785	10.770	10.797	HH	1342950	21380296	18.35%	0.203%
230	10.825	10.797	10.857	HH	1386979	47855772	41.07%	0.455%
231	10.899	10.857	10.912	HH	1450974	44688252	38.35%	0.424%
232	10.918	10.912	10.927	HH	1397151	12455353	10.69%	0.118%
233	10.945	10.927	10.960	HH	1453770	27957480	24.00%	0.266%
234	10.975	10.960	11.004	HH	1450215	37477863	32.17%	0.356%
235	11.012	11.004	11.030	HH	1399905	21388534	18.36%	0.203%
236	11.045	11.030	11.058	HH	1434243	23427600	20.11%	0.223%
237	11.066	11.058	11.076	HH	1441178	16168361	13.88%	0.154%
238	11.086	11.076	11.105	HH	1491876	24924841	21.39%	0.237%
239	11.120	11.105	11.149	HH	1647615	39980841	34.31%	0.380%
240	11.153	11.149	11.158	HH	1408749	7963879	6.84%	0.076%
241	11.165	11.158	11.176	HH	1419425	14901869	12.79%	0.142%
242	11.212	11.176	11.241	HH	1799406	60919752	52.29%	0.579%
243	11.248	11.241	11.251	HH	1417096	7691772	6.60%	0.073%
244	11.257	11.251	11.262	HH	1428498	9965433	8.55%	0.095%
245	11.268	11.262	11.292	HH	1430665	24788507	21.28%	0.235%
246	11.299	11.292	11.303	HH	1362855	9154352	7.86%	0.087%

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247	11.325	11.303	11.334	HH	1445221	25650809	22.02%	0.244%
248	11.351	11.334	11.374	HH	1452313	34103781	29.53%	0.244%
249	11.415	11.374	11.445	HH	1509666	62090128	53.15%	0.244%
250	11.466	11.445	11.472	HH	1460812	22457644	19.10%	0.244%
251	11.491	11.472	11.500	HH	1506814	25345220	21.15%	0.289%
252	11.507	11.500	11.535	HH	1499468	31189168	26.93%	0.077%
253	11.555	11.535	11.569	HH	1580960	30471779	26.15%	0.289%
254	11.574	11.569	11.578	HH	1536520	8075207	6.93%	0.077%
255	11.581	11.578	11.596	HH	1536772	16429308	14.10%	0.156%
256	11.614	11.596	11.633	HH	1600820	34401997	29.53%	0.327%
257	11.637	11.633	11.654	HH	1516394	18559799	15.93%	0.176%
258	11.668	11.654	11.707	HH	1520999	47091345	40.42%	0.447%
259	11.730	11.707	11.745	HH	1568030	34154474	29.31%	0.324%
260	11.769	11.745	11.798	HH	1713915	50367104	43.23%	0.478%
261	11.810	11.798	11.833	HH	1467132	29849358	25.62%	0.284%
262	11.876	11.833	11.909	HH	1619521	68170966	58.51%	0.648%
263	11.918	11.909	11.966	HH	1499287	48140023	41.32%	0.457%
264	11.989	11.966	11.994	HH	1469422	23462125	20.14%	0.223%
265	12.012	11.994	12.025	HH	1474425	27498211	23.60%	0.261%
266	12.050	12.025	12.069	HH	1520255	37966592	32.59%	0.361%
267	12.087	12.069	12.094	HH	1470702	21898361	18.79%	0.208%
268	12.099	12.094	12.123	HH	1451513	25116966	21.56%	0.239%
269	12.141	12.123	12.159	HH	1528011	31204433	26.78%	0.296%
270	12.177	12.159	12.195	HH	1537562	32116962	27.57%	0.305%
271	12.209	12.195	12.237	HH	1424149	34331778	29.47%	0.326%
272	12.271	12.237	12.301	HH	1454205	52486223	45.05%	0.499%
273	12.308	12.301	12.322	HH	1339811	16392222	14.07%	0.156%
274	12.346	12.322	12.362	HH	1422715	33220248	28.51%	0.316%
275	12.367	12.362	12.377	HH	1378023	12247240	10.51%	0.116%
276	12.382	12.377	12.402	HH	1379983	20466360	17.57%	0.194%
277	12.426	12.402	12.454	HH	1566344	42810473	36.74%	0.407%
278	12.462	12.454	12.474	HH	1281332	15254225	13.09%	0.145%
279	12.505	12.474	12.558	HH	1461837	67748214	58.15%	0.643%
280	12.566	12.558	12.591	HH	1254118	24732956	21.23%	0.235%
281	12.608	12.591	12.612	HH	1241649	15366009	13.19%	0.146%
282	12.616	12.612	12.627	HH	1233882	10623550	9.12%	0.101%
283	12.645	12.627	12.665	HH	1221906	27486485	23.59%	0.261%
284	12.684	12.665	12.723	HH	1254003	41525581	35.64%	0.394%
285	12.740	12.723	12.745	HH	1200227	15898950	13.65%	0.151%
286	12.750	12.745	12.762	HH	1201722	11837693	10.16%	0.112%
287	12.780	12.762	12.795	HH	1201558	23227314	19.94%	0.221%
288	12.815	12.795	12.829	HH	1226664	24023525	20.62%	0.228%
289	12.844	12.829	12.859	HH	1197345	20834126	17.88%	0.198%
290	12.873	12.859	12.891	HH	1167100	22253839	19.10%	0.211%
291	12.920	12.891	12.946	HH	1228068	38897267	33.38%	0.369%
292	12.951	12.946	12.954	HH	1149328	5421910	4.65%	0.051%
293	12.962	12.954	12.988	HH	1167374	23689946	20.33%	0.225%
294	12.998	12.988	13.015	HH	1124251	17530718	15.05%	0.167%
295	13.035	13.015	13.050	HH	1117243	22929931	19.68%	0.218%
296	13.072	13.050	13.160	HH	1181570	72522061	62.24%	0.689%
297	13.173	13.160	13.181	HH	1094959	14055443	12.06%	0.134%
298	13.193	13.181	13.225	HH	1088988	28044218	24.07%	0.266%
299	13.246	13.225	13.287	HH	1188095	40511687	34.77%	0.385%

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300	13.302	13.287	13.322	HH	1077998	22015831	18.90%	0.209%
301	13.338	13.322	13.351	HH	1071077	18446473	15.12%	0.198%
302	13.358	13.351	13.386	HH	1059225	21582461	18.12%	0.209%
303	13.403	13.386	13.415	HH	1013893	17475817	15.12%	0.198%
304	13.421	13.415	13.434	HH	1003222	10977864	9.02%	0.198%
305	13.439	13.434	13.443	HH	1013700	5709710	4.24%	0.198%
306	13.470	13.443	13.495	HH	1046482	31334986	26.89%	0.298%
307	13.516	13.495	13.573	HH	1027987	46351637	39.78%	0.440%
308	13.578	13.573	13.582	HH	950091	5277773	4.53%	0.050%
309	13.611	13.582	13.636	HH	1194720	33815492	29.02%	0.321%
310	13.648	13.636	13.667	HH	981210	17659002	15.16%	0.168%
311	13.684	13.667	13.706	HH	957070	21636578	18.57%	0.206%
312	13.716	13.706	13.722	HH	920881	8895660	7.63%	0.084%
313	13.751	13.722	13.760	HH	961059	21008906	18.03%	0.200%
314	13.763	13.760	13.785	HH	941182	14248760	12.23%	0.135%
315	13.791	13.785	13.799	HH	899953	7467855	6.41%	0.071%
316	13.823	13.799	13.832	HH	948209	18137735	15.57%	0.172%
317	13.839	13.832	13.880	HH	962575	26787953	22.99%	0.254%
318	13.887	13.880	13.893	HH	896204	6923006	5.94%	0.066%
319	13.914	13.893	13.945	HH	918580	27875149	23.92%	0.265%
320	13.954	13.945	13.964	HH	863162	9611621	8.25%	0.091%
321	13.981	13.964	13.987	HH	899631	12362022	10.61%	0.117%
322	13.991	13.987	14.001	HH	893802	7231824	6.21%	0.069%
323	14.005	14.001	14.041	HH	879177	20597495	17.68%	0.196%
324	14.053	14.041	14.060	HH	852436	9444248	8.11%	0.090%
325	14.069	14.060	14.089	HH	860816	14573777	12.51%	0.138%
326	14.111	14.089	14.150	HH	879589	31150204	26.74%	0.296%
327	14.174	14.150	14.206	HH	817184	26932200	23.12%	0.256%
328	14.229	14.206	14.253	HH	827465	23095731	19.82%	0.219%
329	14.256	14.253	14.267	HH	825072	6831634	5.86%	0.065%
330	14.287	14.267	14.329	HH	871332	31062147	26.66%	0.295%
331	14.334	14.329	14.356	HH	809642	12810412	10.99%	0.122%
332	14.363	14.356	14.367	HH	772748	5179865	4.45%	0.049%
333	14.375	14.367	14.396	HH	772303	13167366	11.30%	0.125%
334	14.419	14.396	14.442	HH	805061	21861695	18.76%	0.208%
335	14.455	14.442	14.480	HH	781859	17320681	14.87%	0.165%
336	14.500	14.480	14.529	HH	908321	23634952	20.29%	0.224%
337	14.539	14.529	14.547	HH	739788	8004511	6.87%	0.076%
338	14.552	14.547	14.558	HH	733492	4988490	4.28%	0.047%
339	14.564	14.558	14.571	HH	725438	5579755	4.79%	0.053%
340	14.594	14.571	14.600	HH	734259	12615891	10.83%	0.120%
341	14.605	14.600	14.642	HH	731616	17965766	15.42%	0.171%
342	14.647	14.642	14.675	HH	699031	13640174	11.71%	0.130%
343	14.704	14.675	14.730	HH	900485	25918568	22.25%	0.246%
344	14.741	14.730	14.779	HH	718185	20473409	17.57%	0.194%
345	14.793	14.779	14.806	HH	699104	11246076	9.65%	0.107%
346	14.839	14.806	14.881	HH	744228	31206442	26.78%	0.296%
347	14.890	14.881	14.918	HH	661849	14315981	12.29%	0.136%
348	14.951	14.918	14.987	HH	682763	27226966	23.37%	0.259%
349	15.007	14.987	15.019	HH	648403	12355766	10.60%	0.117%
350	15.031	15.019	15.059	HH	648550	15233694	13.07%	0.145%
351	15.068	15.059	15.090	HH	630979	11866199	10.18%	0.113%

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352	15.108	15.090	15.124	HH	659128	13126588	11.27%	0.125%	
353	15.128	15.124	15.152	HH	654517	10748647			
354	15.156	15.152	15.172	HH	634464	7431782			
355	15.179	15.172	15.197	HH	618009	9156771			
356	15.237	15.197	15.267	HH	675405	26907608	23.48%	0.119%	
357	15.272	15.267	15.300	HH	636514	12323929	10.79%	0.119%	
358	15.316	15.300	15.334	HH	638189	12569170	13.48%	0.149%	
359	15.357	15.334	15.379	HH	617936	15701824	7.46%	0.083%	
360	15.390	15.379	15.404	HH	578870	8693379			
361	15.406	15.404	15.409	HH	573730	1651997	1.42%	0.016%	
362	15.435	15.409	15.451	HH	601607	15056362	12.92%	0.143%	
363	15.464	15.451	15.507	HH	606462	19718010	16.92%	0.187%	
364	15.534	15.507	15.540	HH	623776	12170964	10.45%	0.116%	
365	15.545	15.540	15.566	HH	619956	9017221	7.74%	0.086%	
366	15.570	15.566	15.584	HH	574298	6245582	5.36%	0.059%	
367	15.609	15.584	15.639	HH	577277	18754888	16.10%	0.178%	
368	15.646	15.639	15.667	HH	559944	9136062	7.84%	0.087%	
369	15.681	15.667	15.691	HH	570724	8136382	6.98%	0.077%	
370	15.720	15.691	15.754	HH	752974	23865091	20.48%	0.227%	
371	15.760	15.754	15.789	HH	582482	11812625	10.14%	0.112%	
372	15.805	15.789	15.830	HH	559034	13714614	11.77%	0.130%	
373	15.857	15.830	15.864	HH	546944	10928838	9.38%	0.104%	
374	15.918	15.864	15.940	HH	607863	25988896	22.31%	0.247%	
375	15.954	15.940	15.966	HH	568225	8920710	7.66%	0.085%	
376	15.971	15.966	15.975	HH	559418	2859725	2.45%	0.027%	
377	15.980	15.975	15.985	HH	559889	3592164	3.08%	0.034%	
378	16.012	15.985	16.017	HH	587840	10986762	9.43%	0.104%	
379	16.032	16.017	16.066	HH	604822	17284084	14.83%	0.164%	
380	16.074	16.066	16.085	HH	580858	6525254	5.60%	0.062%	
381	16.089	16.085	16.108	HH	572151	7854574	6.74%	0.075%	
382	16.116	16.108	16.136	HH	567848	9140423	7.85%	0.087%	
383	16.147	16.136	16.152	HH	556288	5419710	4.65%	0.051%	
384	16.157	16.152	16.184	HH	561990	10418788	8.94%	0.099%	
385	16.202	16.184	16.225	HH	562157	13498935	11.59%	0.128%	
386	16.230	16.225	16.235	HH	541044	3387362	2.91%	0.032%	
387	16.244	16.235	16.261	HH	538007	8256763	7.09%	0.078%	
388	16.286	16.261	16.308	HH	549484	15155219	13.01%	0.144%	
389	16.351	16.308	16.364	HH	559637	18578985	15.95%	0.176%	
390	16.417	16.364	16.422	HH	590144	20079110	17.23%	0.191%	
391	16.427	16.422	16.454	HH	584432	10687248	9.17%	0.102%	
392	16.464	16.454	16.485	HH	574760	10422941	8.95%	0.099%	
393	16.520	16.485	16.565	HH	586486	27175199	23.32%	0.258%	
394	16.591	16.565	16.623	HH	560622	19050937	16.35%	0.181%	
395	16.668	16.623	16.708	HH	748153	31511571	27.05%	0.299%	
396	16.720	16.708	16.738	HH	565375	10222159	8.77%	0.097%	
397	16.757	16.738	16.762	HH	567785	7916146	6.79%	0.075%	
398	16.768	16.762	16.774	HH	569430	4089116	3.51%	0.039%	
399	16.784	16.774	16.815	HH	568667	13835160	11.87%	0.131%	
400	16.832	16.815	16.839	HH	571332	8131859	6.98%	0.077%	
401	16.903	16.839	16.935	HH	661201	34088071	29.26%	0.324%	
402	16.944	16.935	16.952	HH	557311	5410538	4.64%	0.051%	
403	16.985	16.952	16.995	HH	599190	15188452	13.04%	0.144%	
404	17.012	16.995	17.029	HH	600090	11774317	10.11%	0.112%	

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405	17.046	17.029	17.055	HH	591710	9225386	7.92%	0.088%
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406	17.075	17.055	17.123	HH	628941	23788408	20.58%	0.228%
407	17.142	17.123	17.157	HH	566353	11209732	9.14%	0.101%
408	17.178	17.157	17.198	HH	573310	13953545	7.41%	0.082%
409	17.221	17.198	17.274	HH	612126	25940908	16.85%	0.186%
410	17.288	17.274	17.298	HH	571018	8151077	12.00%	0.133%
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411	17.307	17.298	17.330	HH	567892	10647370	12.99%	0.144%
412	17.336	17.330	17.357	HH	537387	8635348		
413	17.395	17.357	17.418	HH	552683	19630954	20.58%	0.228%
414	17.444	17.418	17.460	HH	569728	13978825	12.28%	0.136%
415	17.488	17.460	17.506	HH	569088	15140629	4.52%	0.050%
416	17.549	17.506	17.571	HH	744085	23983186	4.10%	0.045%
417	17.588	17.571	17.615	HH	557672	14307875	35.53%	0.393%
418	17.622	17.615	17.632	HH	535679	5265002		
419	17.636	17.632	17.646	HH	540389	4778751	12.86%	0.142%
420	17.687	17.646	17.762	HH	713369	41398663	14.60%	0.162%
421	17.790	17.762	17.810	HH	529647	14985575	12.70%	0.141%
422	17.836	17.810	17.864	HH	543575	17005371	14.56%	0.161%
423	17.892	17.864	17.909	HH	567567	14794404	3.42%	0.038%
424	17.920	17.909	17.963	HH	555160	16961866		
425	17.969	17.963	17.977	HH	490246	3981695	12.36%	0.137%
426	18.005	17.977	18.023	HH	542337	14405023	23.02%	0.255%
427	18.055	18.023	18.099	HH	765573	26825258	14.58%	0.161%
428	18.116	18.099	18.157	HH	501601	16991488	7.28%	0.081%
429	18.162	18.157	18.186	HH	492533	8481413	10.92%	0.121%
430	18.211	18.186	18.228	HH	521421	12717513		
431	18.244	18.228	18.281	HH	503859	15414893	13.23%	0.146%
432	18.286	18.281	18.297	HH	475442	4664381	4.00%	0.044%
433	18.308	18.297	18.315	HH	470270	5097036	4.37%	0.048%
434	18.320	18.315	18.329	HH	478290	3795287	3.26%	0.036%
435	18.337	18.329	18.344	HH	490278	4419391	3.79%	0.042%
436	18.377	18.344	18.414	HH	633313	21997744	18.88%	0.209%
437	18.424	18.414	18.445	HH	477721	8754853	7.51%	0.083%
438	18.471	18.445	18.494	HH	559623	14864495	12.76%	0.141%
439	18.521	18.494	18.546	HH	537035	15690380	13.47%	0.149%
440	18.558	18.546	18.596	HH	495621	14446109	12.40%	0.137%
441	18.601	18.596	18.605	HH	465441	2488313	2.14%	0.024%
442	18.616	18.605	18.620	HH	463167	4124454	3.54%	0.039%
443	18.646	18.620	18.706	HH	486347	23964711	20.57%	0.228%
444	18.728	18.706	18.742	HH	469878	9940060	8.53%	0.094%
445	18.748	18.742	18.752	HH	465285	2780317	2.39%	0.026%

457	19.156	19.120	19.232	HH	602282	32984076	28.31%	0.313%
458	19.271	19.232	19.320	HH	469745	23288233	19.31%	0.313%
459	19.331	19.320	19.337	HH	434499	4480831	3.00%	0.033%
460	19.357	19.337	19.362	HH	443662	6471315	5.00%	0.033%
461	19.370	19.362	19.394	HH	446391	8414757	7.00%	0.051%
462	19.415	19.394	19.442	HH	444091	12678549	10.00%	0.051%
463	19.453	19.442	19.463	HH	445731	5405377	4.64%	0.051%
464	19.469	19.463	19.476	HH	441199	3461384	2.97%	0.033%
465	19.497	19.476	19.520	HH	462055	12030560	10.33%	0.114%
466	19.528	19.520	19.534	HH	452935	3625995	3.11%	0.034%
467	19.570	19.534	19.613	HH	491580	22064083	18.94%	0.210%
468	19.636	19.613	19.640	HH	438831	7167540	6.15%	0.068%
469	19.684	19.640	19.702	HH	459281	16652013	14.29%	0.158%
470	19.712	19.702	19.727	HH	448144	6589057	5.66%	0.063%
471	19.752	19.727	19.771	HH	449173	11694266	10.04%	0.111%
472	19.795	19.771	19.825	HH	460215	14506111	12.45%	0.138%
473	19.847	19.825	19.869	HH	466648	11763032	10.10%	0.112%
474	19.893	19.869	19.922	HH	563795	15759447	13.53%	0.150%
475	19.930	19.922	19.935	HH	455894	3500704	3.00%	0.033%
476	19.951	19.935	19.973	HH	466141	10394652	8.92%	0.099%
477	19.988	19.973	20.005	HH	448428	8679665	7.45%	0.082%
478	20.035	20.005	20.051	HH	454359	12310518	10.57%	0.117%
479	20.085	20.051	20.107	HH	469187	15193673	13.04%	0.144%
480	20.111	20.107	20.126	HH	452001	5238358	4.50%	0.050%
481	20.139	20.126	20.154	HH	457192	7646944	6.56%	0.073%
482	20.160	20.154	20.169	HH	450178	3938003	3.38%	0.037%
483	20.175	20.169	20.196	HH	444356	7051128	6.05%	0.067%
484	20.206	20.196	20.217	HH	448231	5666375	4.86%	0.054%
485	20.220	20.217	20.223	HH	447176	1610594	1.38%	0.015%
486	20.230	20.223	20.237	HH	450338	3749137	3.22%	0.036%
487	20.242	20.237	20.253	HH	454013	4256051	3.65%	0.040%
488	20.261	20.253	20.266	HH	451219	3499073	3.00%	0.033%
489	20.285	20.266	20.295	HH	454906	7912887	6.79%	0.075%
490	20.305	20.295	20.315	HH	450645	5128545	4.40%	0.049%
491	20.363	20.315	20.397	HH	476693	22553357	19.36%	0.214%
492	20.401	20.397	20.410	HH	442124	3291955	2.83%	0.031%
493	20.415	20.410	20.440	HH	441237	7984261	6.85%	0.076%
494	20.457	20.440	20.466	HH	450029	6867170	5.89%	0.065%
495	20.470	20.466	20.513	HH	451333	12278835	10.54%	0.117%
496	20.522	20.513	20.539	HH	426342	6610284	5.67%	0.063%
497	20.549	20.539	20.555	HH	425088	4177788	3.59%	0.040%
498	20.560	20.555	20.564	HH	420168	2028208	1.74%	0.019%
499	20.599	20.564	20.632	HH	509909	18474387	15.86%	0.175%
500	20.655	20.632	20.682	HH	410916	12195786	10.47%	0.116%
501	20.685	20.682	20.707	HH	401913	6026268	5.17%	0.057%
502	20.715	20.707	20.728	HH	397422	4824027	4.14%	0.046%
503	20.730	20.728	20.742	HH	391891	3350390	2.88%	0.032%
504	20.747	20.742	20.767	HH	392634	5871070	5.04%	0.056%
505	20.775	20.767	20.790	HH	387051	5227522	4.49%	0.050%
506	20.801	20.790	20.805	HH	382914	3436701	2.95%	0.033%
507	20.815	20.805	20.845	HH	379275	8787201	7.54%	0.083%
508	20.851	20.845	20.877	HH	372584	7073593	6.07%	0.067%
509	20.885	20.877	20.908	HH	369783	6997684	6.01%	0.066%

Instrument :
FID_F
ClientSampleId :
DB-4-(7.5-8)-12-8-21MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/22/2021
Supervised By :mohammad ahmed 12/22/2021

510	20.913	20.908	20.924	HH	366661	3386208		
511	20.934	20.924	20.939	HH	362661	3278015		
512	20.947	20.939	20.967	HH	366395	6025037		
513	20.974	20.967	20.985	HH	365802	4000131		
514	21.000	20.985	21.009	HH	365162	5141840		
515	21.012	21.009	21.032	HH	363684	5016360		
516	21.036	21.032	21.055	HH	355713	4754332	4.08%	0.045%
517	21.057	21.055	21.065	HH	353742	2296241	1.97%	0.022%
518	21.076	21.065	21.082	HH	352565	3513866	3.02%	0.033%
519	21.089	21.082	21.134	HH	353716	10674942	9.16%	0.101%
520	21.140	21.134	21.161	HH	337414	5358651	4.60%	0.051%
521	21.172	21.161	21.209	HH	331504	9568667	8.21%	0.091%
522	21.216	21.209	21.223	HH	326740	2698156	2.32%	0.026%
523	21.233	21.223	21.240	HH	328234	3353303	2.88%	0.032%
524	21.244	21.240	21.278	HH	326933	7394316	6.35%	0.070%
525	21.284	21.278	21.289	HH	319874	1992825	1.71%	0.019%
526	21.295	21.289	21.323	HH	321923	6592349	5.66%	0.063%
527	21.330	21.323	21.351	HH	321140	5322509	4.57%	0.051%
528	21.361	21.351	21.392	HH	321799	7730512	6.63%	0.073%
529	21.431	21.392	21.529	HH	386765	26473574	22.72%	0.251%
530	21.534	21.529	21.539	HH	293436	1765315	1.52%	0.017%
531	21.550	21.539	21.574	HH	294987	6130926	5.26%	0.058%
532	21.579	21.574	21.583	HH	293645	1660403	1.43%	0.016%
533	21.591	21.583	21.605	HH	294795	3856814	3.31%	0.037%
534	21.611	21.605	21.629	HH	291735	4055335	3.48%	0.039%
535	21.636	21.629	21.656	HH	290778	4595887	3.94%	0.044%
536	21.660	21.656	21.672	HH	282610	2792004	2.40%	0.027%
537	21.685	21.672	21.721	HH	283141	8231564	7.06%	0.078%
538	21.741	21.721	21.765	HH	277026	7250934	6.22%	0.069%
539	21.771	21.765	21.797	HH	275710	5126761	4.40%	0.049%

Sum of corrected areas: 10528229828

Instrument :
FID_F
ClientSampleId :
DB-4-(7.5-8)-12-8-21MSD
2.91% 0.032%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/22/2021
Supervised By :mohammad ahmed 12/22/2021

FF121521.M Wed Dec 22 18:46:30 2021