

Sample File Name M:\ExtendedGas Results\CDF\2012100109-001Adat-Detector 1.cdf

Reference File NH:\DHA Application Software\References\DHA REF1209 JL_09042012.DHA

Sample Name 2012100109-001A JD

Acquisition Date 10/3/2012 16:48

Analysis Date 10/4/2012 11:48

ISTD Name	ISTD Amount	Sample We	Sample Density
	1	1	1

Group Type	Total Mass%	Total Vol%	Total Mol%
Paraffins	13.024	13.2931	10.5531
Iso-Paraffins	64.1611	64.8702	60.5307
Olefins	0	0	0
Napthenes	10.2509	10.5162	14.1636
Aromatics	12.5009	11.2553	14.7285
Total C30+	0.0631	0.0652	0.0241
Total Unknowns	0	0	0
Total Oxygenate	0	0	0
Sample Total	100	100	100

Percent Off	BPC	BPF	Oxygen	Volume%			
Compound	Mass%	Mass%	Oxygen				
Carbon	Paraffins	I-Paraffins	Olefins	Napthenes	Aromatics	Unknowns	Total
C1	0	0		0	0	0	0
C2	0.0073	0		0	0	0	0.0073
C3	0.05729	0		0	0	0	0.05729
C4	0.15158	0.09271		0	0	0	0.24429
C5	0.19364	0.25633		0	0	0	0.44996
C6	0.22456	0.74267		0	0.51679	0.04805	0.56484
C7	0.10077	0.973		0	1.1418	0.15874	1.30054
C8	0.30718	0.93661		0	3.00756	0.82857	3.83613
C9	0.17959	2.76174		0	3.43343	1.36809	4.80152
C10	0.15322	6.56224		0	2.07148	3.69172	5.7632
C11	0.11359	4.86754		0	0.07981	3.48975	3.56956
C12	0.40162	4.29031		0	0	2.91602	2.91602
C13	0.82441	6.71246		0	0	0	6.71246
C14	1.15733	8.6934		0	0	0	9.85074
C15	1.56528	8.46451		0	0	0	10.02979
C16	1.487	5.76277		0	0	0	7.24977
C17	1.25773	3.98503		0	0	0	5.24276
C18	0.96113	3.25186		0	0	0	4.21299
C19	0.91747	1.9867		0	0	0	2.90417
C20	0.70179	1.22389		0	0	0	1.92567
C21	0.4498	1.14131		0	0	0	1.59111
C22	0.36343	0.51573		0	0	0	0.87916
C23	0.3169	0.51868		0	0	0	0.83557
C24	0.28894	0.28502		0	0	0	0.57396
C25	0.23613	0.09172		0	0	0	0.32786
C26	0.19572	0.04486		0	0	0	0.24059
C27	0.16613	0		0	0	0	0.16613
C28	0.13654	0		0	0	0	0.13654
C29	0.10791	0		0	0	0	0.10791
C30	0	0		0	0	0	0

Carbon	Paraffins	I-Paraffins	Olefins	Napthenes	Aromatics	Unknowns	Total
C1	0	0	0	0	0	0	0
C2	0.0172	0	0	0	0	0	0.0172
C3	0.09166	0	0	0	0	0	0.09166
C4	0.2097	0.13323	0	0	0	0	0.34293
C5	0.2476	0.33232	0	0	0	0	0.57992
C6	0.27269	0.90614	0	0.54036	0.04377	0	1.76296
C7	0.11802	1.13372	0	1.20108	0.1466	0	2.59943
C8	0.35014	1.03378	0	3.11868	0.84696	0	5.34956
C9	0.2004	3.07643	0	3.51198	1.25663	0	8.04545
C10	0.16806	7.00936	0	2.06422	3.32721	0	12.56886
C11	0.12225	4.99204	0	0.07989	3.01017	0	8.20434
C12	0.42708	4.14619	0	0	2.62393	0	7.1972
C13	0.87273	6.08662	0	0	0	0	6.95934
C14	1.21488	9.20285	0	0	0	0	10.41773
C15	1.22878	8.88537	0	0	0	0	10.11415
C16	1.53974	4.52392	0	0	0	0	6.06366
C17	1.29447	4.12636	0	0	0	0	5.42083
C18	0.99074	3.34685	0	0	0	0	4.33759
C19	0.945	2.04789	0	0	0	0	2.99289
C20	0.71258	1.26061	0	0	0	0	1.97319
C21	0.45493	1.15886	0	0	0	0	1.61379
C22	0.36632	0.52161	0	0	0	0	0.88793
C23	0.31842	0.52281	0	0	0	0	0.84123
C24	0.28953	0.28639	0	0	0	0	0.57592
C25	0.23635	0.09191	0	0	0	0	0.32826
C26	0.1959	0.0449	0	0	0	0	0.24081
C27	0.16525	0	0	0	0	0	0.16525
C28	0.13581	0	0	0	0	0	0.13581
C29	0.1069	0	0	0	0	0	0.1069
C30	0	0	0	0	0	0	0
Carbon	Paraffins	I-Paraffins	Olefins	Napthenes	Aromatics	Unknowns	Total
C1	0	0	0	0	0	0	0
C2	0.0395	0	0	0	0	0	0.0395
C3	0.21139	0	0	0	0	0	0.21139
C4	0.4243	0.25952	0	0	0	0	0.68382
C5	0.43665	0.57802	0	0	0	0	1.01467
C6	0.42396	1.40961	0	0.99905	0.10007	0	2.93269
C7	0.16363	1.57985	0	1.89199	0.28029	0	3.91575
C8	0.43752	1.33915	0	4.36066	1.17215	0	7.30949
C9	0.22782	3.51948	0	4.425	1.85191	0	10.02421
C10	0.1752	7.60833	0	2.40276	4.53446	0	14.72075
C11	0.11823	5.28621	0	0.08416	3.86584	0	9.35445
C12	0.38361	4.41329	0	0	2.92374	0	7.72064
C13	0.72752	6.85566	0	0	0	0	7.58319
C14	0.94914	7.6717	0	0	0	0	8.62084
C15	1.24231	6.94184	0	0	0	0	8.18415
C16	1.06839	4.57372	0	0	0	0	5.64211
C17	0.85094	2.8632	0	0	0	0	3.71414
C18	0.61443	2.20011	0	0	0	0	2.81454
C19	0.55589	1.27005	0	0	0	0	1.82594
C20	0.4041	0.74155	0	0	0	0	1.14565

C21	0.24675	0.65718	0	0	0	0	0.90393
C22	0.19037	0.28292	0	0	0	0	0.47329
C23	0.15882	0.27169	0	0	0	0	0.43051
C24	0.13881	0.14285	0	0	0	0	0.28166
C25	0.10893	0.04406	0	0	0	0	0.153
C26	0.08607	0.0207	0	0	0	0	0.10676
C27	0.07039	0	0	0	0	0	0.07039
C28	0.05582	0	0	0	0	0	0.05582
C29	0.04261	0	0	0	0	0	0.04261
C30	0	0	0	0	0	0	0

MSA Mass%	MSA Volume%
7.9302	7.1627
Average Molecu	162.7018
Relative Density	0.8007
Vapor Pressure	0.77
Octane Number	88.262
Percent Carbon	85.6722
Percent Hydroge	14.3278
Bromine Numbe	0

Minutes	Index	Group	Component	Mass %	Volume %	Mol %
7.337		200 P2	ethane	0.007	0.017	0.039
7.597		300 P3	propane	0.057	0.092	0.211
8		365.73 I4	i-butane	0.093	0.133	0.26
8.35		400 P4	n-butane	0.152	0.21	0.424
8.527		414.31 I5	2,2-dimethylpropane	0.017	0.023	0.038
9.623		474.79 I5	i-pentane	0.239	0.309	0.54
10.313		500 P5	n-pentane	0.194	0.248	0.437
10.89		517.51 I6	C6-Iso-Paraffin	0.02	0.026	0.046
11.623		536.21 I6	2,2-dimethylbutane	0.149	0.184	0.281
13.083		565.64 I6	2,3-dimethylbutane	0.223	0.269	0.42
13.307		569.48 I6	2-methylpentane	0.202	0.247	0.381
14.2		583.57 I6	3-methylpentane	0.149	0.18	0.282
15.407		600 P6	n-hexane	0.225	0.273	0.424
17.417		626.72 I7	2,2-dimethylpentane	0.079	0.094	0.128
17.633		629.28 N6	methylcyclopentane	0.215	0.23	0.415
17.97		633.16 I7	2,4-dimethylpentane	0.11	0.132	0.179
18.48		638.8 I7	2,2,3-trimethylbutane	0.092	0.107	0.15
19.893		653.21 A6	benzene	0.048	0.044	0.1
20.463		658.57 I7	3,3-dimethylpentane	0.075	0.086	0.121
20.85		662.08 N6	cyclohexane	0.302	0.311	0.584
21.853		670.73 I7	2-methylhexane	0.109	0.129	0.178
22.037		672.25 I7	2,3-dimethylpentane	0.182	0.209	0.295
22.343		674.75 N7	1,1-dimethylcyclopentane	0.123	0.131	0.204
22.843		678.71 I7	3-methylhexane	0.18	0.21	0.292
23.577		684.3 N7	1c,3-dimethylcyclopentane	0.146	0.157	0.243
23.907		686.74 N7	1t,3-dimethylcyclopentane	0.142	0.151	0.235
24.06		687.85 N7	1t,2-dimethylcyclopentane	0.047	0.05	0.078
24.23		689.08 I7	3-ethylpentane	0.146	0.168	0.237
24.417		690.41 I8	2,2,4-trimethylpentane	0.009	0.011	0.013
25.823		700 P7	n-heptane	0.101	0.118	0.164
28.35		721.69 N7	methylcyclohexane	0.683	0.711	1.132
28.773		725.07 N8	1,1,3-trimethylcyclopentane	0.305	0.326	0.442

29.93	733.98 I8	2,2,3-trimethylpentane	0.082	0.092	0.117
30.123	735.42 N8	1c,2t,4-trimethylcyclopentane	0.071	0.075	0.103
30.257	736.41 I8	C8-Iso-Paraffin	0.032	0.034	0.047
30.383	737.35 I8	3,3-dimethylhexane	0.169	0.19	0.24
31.137	742.8 N8	1t,2c,3-trimethylcyclopentane	0.219	0.228	0.318
31.34	744.24 I8	2,3,4-trimethylpentane	0.069	0.077	0.098
32.153	749.89 I8	I1	0.267	0.298	0.381
32.553	752.61 I8	2,3,3-trimethylpentane	0.047	0.052	0.067
33.097	756.22 A7	toluene	0.159	0.147	0.28
34.177	763.19 N8	1,1,2-trimethylcyclopentane	0.207	0.214	0.3
34.307	764.01 I8	2-methyl-3-ethylpentane	0.036	0.041	0.052
34.653	766.18 I8	4-methylheptane	0.009	0.01	0.012
35.023	768.46 I8	2-methylheptane	0.048	0.056	0.069
35.233	769.74 N8	1c,2c,4-trimethylcyclopentane	0.076	0.08	0.11
35.453	771.08 N8	1c,3-dimethylcyclohexane	0.07	0.073	0.101
35.793	773.12 N8	1c,2t,3-trimethylcyclopentane	0.032	0.034	0.047
36.133	775.13 N8	1t,4-dimethylcyclohexane	0.079	0.083	0.114
36.313	776.19 N8	1,1-dimethylcyclohexane	0.837	0.858	1.213
36.607	777.9 I9	2,2,5-trimethylhexane	0.527	0.597	0.669
37.473	782.86 N8	3c-ethylmethylcyclopentane	0.163	0.17	0.236
37.847	784.95 I8	C8-Iso-Paraffin	0.042	0.044	0.061
38.05	786.07 N8	3t-ethylmethylcyclopentane	0.059	0.061	0.085
38.407	788.04 N8	2t-ethylmethylcyclopentane	0.054	0.056	0.078
38.61	789.14 I8	C8-Iso-Paraffin	0.127	0.132	0.184
38.953	791 I9	2,2,4-trimethylhexane	0.045	0.049	0.057
39.417	793.47 N8	1t,2-dimethylcyclohexane	0.364	0.375	0.527
40.557	799.4 N8	1c,2c,3-trimethylcyclopentane	0.129	0.132	0.187
40.673	800 P8	n-octane	0.307	0.35	0.438
41.997	807.68 N8	i-propylcyclopentane	0.08	0.083	0.116
42.437	810.18 I9	2,4,4-trimethylhexane	0.005	0.006	0.007
42.647	811.36 I9	C9-Iso-Paraffin	0.006	0.007	0.008
43.087	813.8 N8	N1	0.065	0.066	0.094
43.537	816.27 I9	C9-Iso-Paraffin	0.046	0.048	0.067
43.88	818.14 I9	2,3,4-trimethylhexane	0.02	0.022	0.026
44.243	820.09 N8	N2	0.082	0.084	0.118
45.057	824.4 I9	2,3,5-trimethylhexane	0.237	0.263	0.301
45.24	825.36 N8	N3	0.026	0.027	0.038
45.433	826.36 N8	1c,2-dimethylcyclohexane	0.026	0.026	0.038
45.633	827.4 I9	C9-Iso-Paraffin	0.014	0.014	0.02
46.127	829.93 I9	2,2-dimethylheptane	0.619	0.697	0.785
46.45	831.57 N8	N4	0.037	0.038	0.053
46.84	833.53 I9	C9-Iso-Paraffin	0.029	0.03	0.042
47.277	835.7 N9	1,1,4-trimethylcyclohexane	0.576	0.598	0.743
47.837	838.46 I9	2,4-dimethylheptane	0.399	0.446	0.506
48.197	840.2 N9	*1c,3c,5-trimethylcyclohexane	0.132	0.137	0.17
48.437	841.36 I9	4,4-dimethylheptane	0.034	0.038	0.043
48.713	842.69 I9	C9-Iso-Paraffin	0.086	0.096	0.109
49.073	844.4 N8	n-propylcyclopentane	0.029	0.03	0.042
50.34	850.31 A8	ethylbenzene	0.237	0.219	0.363
50.737	852.13 N9	1,1,3-trimethylcyclohexane	0.412	0.419	0.531
51.7	856.47 I9	I3	0.02	0.022	0.026
52.263	858.96 N9	1c,2t,4t-trimethylcyclohexane	0.052	0.054	0.068

52.777	861.21 A8	p-xylene	0.25	0.293	0.322
53.253	863.27 N9	N12	0.029	0.029	0.037
53.573	864.65 A8	1,3-dimethylbenzene	0.131	0.121	0.2
54.06	866.72 A8	1,4-dimethylbenzene	0.072	0.067	0.11
54.88	870.16 I9	3,4 -dimethylheptane	0.039	0.042	0.049
55.16	871.32 N9	N14	0.022	0.022	0.028
55.673	873.43 I9	4-ethylheptane	0.122	0.136	0.155
56.36	876.22 N9	N15	0.161	0.165	0.208
56.76	877.83 I9	3-ethylheptane	0.089	0.098	0.113
57.193	879.56 I9	C9-Iso-Paraffin	0.008	0.009	0.011
57.393	880.35 I9	3-methyloctane	0.039	0.043	0.049
57.767	881.82 A8	o-xylene	0.139	0.147	0.176
58.02	882.81 N9	1,1,2-trimethylcyclohexane	0.025	0.025	0.033
58.597	885.05 I9	I6	0.038	0.042	0.049
59.057	886.81 I9	I7	0.207	0.227	0.262
59.303	887.75 N9	N18	0.442	0.454	0.57
59.763	889.5 N9	N19	0.379	0.39	0.489
59.993	890.36 I9	I8	0.051	0.056	0.065
60.387	891.84 I9	I9	0.022	0.024	0.028
60.95	893.93 N9	N21	0.013	0.014	0.017
61.703	896.69 N9	N23	0.171	0.176	0.221
62.233	898.61 I9	I10	0.059	0.064	0.074
62.62	900 P9	n-nonane	0.18	0.2	0.228
63.097	903.49 N9	N24	0.506	0.513	0.652
63.48	906.28 N9	N25	0.119	0.12	0.153
63.607	907.2 N9	N26	0.055	0.055	0.07
64.437	913.17 A9	i-propylbenzene	0.059	0.055	0.08
64.913	916.55 I10	I11	0.335	0.368	0.383
65.16	918.3 I10	C10-Iso-Paraffin	0.057	0.063	0.065
65.333	919.51 N9	i-propylcyclohexane	0.184	0.184	0.237
65.487	920.59 I10	I12	0.015	0.016	0.017
65.77	922.57 I10	2,2-dimethyloctane	0.085	0.094	0.097
66.04	924.45 I10	2,4-dimethyloctane	0.39	0.43	0.446
66.353	926.62 I10	C10-Iso-Paraffin	0.092	0.102	0.106
66.473	927.45 N9	N28	0.065	0.066	0.084
66.813	929.78 N9	N29	0.089	0.091	0.115
67.197	932.4 I10	2,6-dimethyloctane	0.441	0.486	0.505
67.35	933.44 I10	2,5-dimethyloctane	0.401	0.439	0.458
68.047	938.14 N10	N30	0.086	0.086	0.099
68.22	939.31 I10	C10-Iso-Paraffin	0.166	0.166	0.193
68.467	940.95 I10	I14	0.14	0.153	0.16
68.647	942.15 I10	C10-Iso-Paraffin	0.119	0.131	0.137
68.8	943.17 I10	3,3-dimethyloctane	0.146	0.159	0.167
68.9	943.83 I10	C10-Iso-Paraffin	0.094	0.102	0.108
69.05	944.82 N10	N31	0.227	0.227	0.263
69.207	945.86 I10	C10-Iso-Paraffin	0.1	0.101	0.117
69.337	946.71 A9	n-propylbenzene	0.184	0.171	0.249
69.607	948.48 I10	3-methyl-5-ethylheptane	0.112	0.123	0.128
69.863	950.16 N10	N32	0.365	0.366	0.424
70.237	952.58 I10	C10-Iso-Paraffin	0.259	0.259	0.301
70.61	955 A9	1,3-methylethylbenzene	0.29	0.268	0.392
70.83	956.41 A9	1,4-methylethylbenzene	0.082	0.077	0.112

71.023	957.65 N10	N33	0.014	0.014	0.017
71.317	959.52 I10	C10-Iso-Paraffin	0.184	0.184	0.213
71.7	961.96 A9	1,3,5-trimethylbenzene	0.15	0.139	0.203
71.9	963.22 I10	I15	0.28	0.303	0.32
72.04	964.1 I10	C10-Iso-Paraffin	0.186	0.201	0.213
72.283	965.63 I10	I16	0.147	0.159	0.168
72.393	966.32 I10	C10-Iso-Paraffin	0.078	0.085	0.089
72.77	968.67 I10	5-methylnonane	0.054	0.059	0.062
72.94	969.73 A9	1,2-methylethylbenzene	0.187	0.17	0.253
73.1	970.72 I10	C10-Iso-Paraffin	0.1	0.091	0.135
73.347	972.25 I10	2-methylnonane	0.111	0.123	0.127
73.46	972.95 I10	C10-Iso-Paraffin	0.084	0.092	0.096
73.627	973.98 I10	3-ethyloctane	0.222	0.241	0.254
73.85	975.35 N10	N35	0.243	0.243	0.282
74.013	976.35 I10	C10-Iso-Paraffin	0.052	0.052	0.06
74.127	977.04 I10	3-methylnonane	0.122	0.133	0.139
74.27	977.91 I10	C10-Iso-Paraffin	0.259	0.282	0.296
74.66	980.28 I10	I18	0.109	0.118	0.125
75.04	982.57 A9	1,2,4-trimethylbenzene	0.246	0.225	0.333
75.293	984.1 I10	C10-Iso-Paraffin	0.336	0.307	0.454
75.653	986.25 I10	I20	0.44	0.476	0.503
75.893	987.68 I10	I21	0.162	0.175	0.185
76.137	989.12 I10	I23	0.243	0.263	0.278
76.333	990.29 N10	N37	0.068	0.068	0.079
76.467	991.07 I10	C10-Iso-Paraffin	0.031	0.031	0.036
76.81	993.09 I10	I24	0.168	0.182	0.193
77.013	994.28 N10	1t-methyl-2-n-propylcyclohex	0.37	0.37	0.429
77.277	995.82 A10	i-butylbenzene	0.058	0.055	0.071
77.46	996.89 I10	I25	0.124	0.135	0.142
77.53	997.29 I10	C10-Iso-Paraffin	0.116	0.126	0.133
77.733	998.47 A10	sec-butylbenzene	0.184	0.171	0.223
77.997	1000 P10	n-decane	0.153	0.168	0.175
78.263	1002.7 N10	N38	0.168	0.168	0.195
78.5	1005.09 I11	C11-Iso-Paraffin	0.238	0.239	0.277
78.807	1008.18 A9	1,2,3-trimethylbenzene	0.169	0.152	0.229
78.943	1009.56 A10	1,3-methyl-i-propylbenzene	0.023	0.022	0.028
79.053	1010.66 I11	C11-Iso-Paraffin	0.053	0.049	0.064
79.14	1011.53 N11	N39	0.08	0.08	0.084
79.267	1012.79 A10	1,4-methyl-i-propylbenzene	0.055	0.052	0.067
79.633	1016.45 I11	I28	0.146	0.158	0.152
79.853	1018.63 A10	2-3-dihydroindene	0.244	0.203	0.336
80.097	1021.04 I11	C11-Iso-Paraffin	0.142	0.118	0.196
80.323	1023.27 N10	sec-butylcyclohexane	0.531	0.522	0.616
80.683	1026.81 A10	1,2-methyl-i-propylbenzene	0.332	0.303	0.403
80.933	1029.25 I11	C11-Iso-Paraffin	0.101	0.093	0.123
81.187	1031.72 I11	3-ethylnonane	0.651	0.701	0.678
81.7	1036.7 I11	I32	0.232	0.232	0.245
81.897	1038.6 I11	C11-Iso-Paraffin	0.134	0.135	0.142
81.99	1039.5 A10	1,3-diethylbenzene	0.089	0.082	0.108
82.073	1040.3 I11	C11-Iso-Paraffin	0.118	0.109	0.143
82.453	1043.94 I11	I33	0.344	0.373	0.358
82.593	1045.28 A10	1,4-diethylbenzene	0.07	0.065	0.085

82.693	1046.24 I11	C11-Iso-Paraffin	0.119	0.11	0.144
82.797	1047.22 A10	1,4-methyl-n-propylbenzene	0.091	0.085	0.11
82.96	1048.77 A10	n-butylbenzene	0.112	0.104	0.136
83.04	1049.53 I11	C11-Iso-Paraffin	0.045	0.042	0.054
83.14	1050.48 A10	1,3-dimethyl-5-ethylbenzene	0.053	0.048	0.064
83.33	1052.28 A10	1,2-diethylbenzene	0.137	0.124	0.166
83.437	1053.29 I11	C11-Iso-Paraffin	0.225	0.205	0.273
83.807	1056.77 A10	1,2-methyl-n-propylbenzene	0.241	0.221	0.292
83.993	1058.53 I11	I35	0.104	0.113	0.109
84.177	1060.24 I11	I36	0.096	0.104	0.1
84.283	1061.24 I11	I37	0.049	0.053	0.051
84.703	1065.15 I11	I38	0.177	0.191	0.184
84.92	1067.16 A10	A3	0.204	0.19	0.248
85.097	1068.8 A10	1,3-dimethyl-4-ethylbenzene	0.163	0.152	0.198
85.3	1070.67 I11	I39	0.155	0.168	0.162
85.483	1072.36 I11	C11-Iso-Paraffin	0.024	0.026	0.025
85.617	1073.59 I11	C11-Iso-Paraffin	0.105	0.114	0.109
85.73	1074.63 I11	I40	0.108	0.117	0.112
85.803	1075.3 A10	1,2-dimethyl-4-ethylbenzene	0.077	0.071	0.094
85.903	1076.21 I11	C11-Iso-Paraffin	0.146	0.134	0.177
86.11	1078.1 I11	I41	0.268	0.29	0.279
86.253	1079.41 I11	C11-Iso-Paraffin	0.334	0.361	0.347
86.6	1082.56 I11	I42	0.138	0.15	0.144
86.787	1084.25 I11	C11-Iso-Paraffin	0.077	0.084	0.08
86.903	1085.3 I11	I43	0.117	0.127	0.122
87.047	1086.6 I11	C11-Iso-Paraffin	0.119	0.129	0.124
87.303	1088.91 A12	1,3-di-n-propylbenzene	0.198	0.178	0.198
87.487	1090.55 I11	C11-Iso-Paraffin	0.177	0.159	0.177
87.707	1092.52 A11	1,4-methyl-t-butylbenzene	0.259	0.244	0.285
87.867	1093.95 A10	1,2-dimethyl-3-ethylbenzene	0.082	0.074	0.099
88.193	1096.86 A11	1,2-ethyl-i-propylbenzene	0.628	0.565	0.69
88.4	1098.7 I11	C11-Iso-Paraffin	0.124	0.111	0.136
88.547	1100 P11	n-undecane	0.114	0.122	0.118
88.793	1102.96 A11	1,4-ethyl-i-propylbenzene	0.153	0.137	0.167
88.907	1104.32 A10	1,2,4,5-tetramethylbenzene	0.282	0.254	0.341
89.227	1108.16 A11	1,2-methyl-n-butylbenzene	0.206	0.185	0.226
89.343	1109.55 A10	1,2,3,5-tetramethylbenzene	0.33	0.297	0.401
89.487	1111.26 I12	C12-Iso-Paraffin	0.118	0.106	0.143
89.81	1115.1 A11	1,2-methyl-t-butylbenzene	0.346	0.312	0.38
90.013	1117.51 I12	C12-Iso-Paraffin	0.077	0.069	0.084
90.137	1118.97 I12	C12-Iso-Paraffin	0.049	0.044	0.053
90.26	1120.43 I12	C12-Iso-Paraffin	0.141	0.127	0.155
90.343	1121.41 I12	C12-Iso-Paraffin	0.146	0.132	0.16
90.637	1124.86 I12	C12-Iso-Paraffin	0.044	0.039	0.048
90.88	1127.72 A10	5-methylindan	0.48	0.432	0.591
91.027	1129.43 I12	C12-Iso-Paraffin	0.122	0.109	0.15
91.21	1131.57 I12	I44	0.299	0.318	0.286
91.413	1133.94 A10	4-methylindan	0.129	0.116	0.159
91.637	1136.54 A11	1,2-ethyl-n-propylbenzene	0.397	0.357	0.436
91.993	1140.67 A11	1,3-methyl-n-butylbenzene	0.086	0.077	0.094
92.11	1142.02 I12	C12-Iso-Paraffin	0.099	0.089	0.108
92.2	1143.06 A12	1,3-di-i-propylbenzene	0.033	0.03	0.033

92.367	1144.98 A11	s-pentylbenzene	0.102	0.092	0.112
92.53	1146.86 I12	C12-Iso-Paraffin	0.075	0.068	0.083
92.703	1148.85 I12	C12-Iso-Paraffin	0.226	0.204	0.248
92.82	1150.18 A11	n-pentylbenzene	0.037	0.034	0.041
93.027	1152.55 A12	1,2-di-i-propylbenzene	0.183	0.164	0.183
93.163	1154.11 I12	C12-Iso-Paraffin	0.118	0.106	0.118
93.403	1156.84 I12	C12-Iso-Paraffin	0.144	0.129	0.144
93.487	1157.79 I12	C12-Iso-Paraffin	0.088	0.079	0.088
93.56	1158.62 I12	C12-Iso-Paraffin	0.095	0.085	0.095
93.663	1159.79 A12	1,4-di-i-propylbenzene	0.101	0.091	0.101
93.807	1161.41 I12	C12-Iso-Paraffin	0.083	0.075	0.083
93.96	1163.15 A10	tetrahydronaphthalene	0.17	0.141	0.21
94.113	1164.88 I12	C12-Iso-Paraffin	0.221	0.182	0.271
94.273	1166.68 I12	C12-Iso-Paraffin	0.073	0.06	0.089
94.35	1167.54 A10	naphthalene	0.084	0.065	0.106
94.533	1169.6 A12	1-t-butyl-3,5-dimethylbenzene	0.23	0.207	0.231
94.623	1170.61 I12	C12-Iso-Paraffin	0.125	0.112	0.125
94.747	1172 I12	C12-Iso-Paraffin	0.051	0.046	0.052
94.91	1173.82 A12	1,4-ethyl-t-butylbenzene	0.216	0.194	0.216
95.05	1175.39 I12	C12-Iso-Paraffin	0.049	0.044	0.049
95.26	1177.73 I12	I45	0.339	0.361	0.324
95.52	1180.62 I12	I46	0.102	0.109	0.098
95.71	1182.72 I12	C12-Iso-Paraffin	0.468	0.498	0.447
95.89	1184.71 I12	I47	0.215	0.229	0.206
96.007	1186 I12	C12-Iso-Paraffin	0.053	0.056	0.05
96.193	1188.06 I12	I48	0.405	0.43	0.386
96.39	1190.23 A12	A5	0.221	0.199	0.221
96.607	1192.6 A12	A6	0.371	0.334	0.372
96.84	1195.16 I12	C12-Iso-Paraffin	0.063	0.056	0.063
97.047	1197.42 I12	C12-Iso-Paraffin	0.204	0.184	0.205
97.283	1200 P12	n-dodecane	0.402	0.427	0.384
97.427	1201.96 I13	C13-Iso-Paraffin	0.34	0.362	0.325
97.613	1204.5 I13	C13-Iso-Paraffin	0.126	0.134	0.121
97.9	1208.41 I13	C13-Iso-Paraffin	0.439	0.467	0.419
98.113	1211.3 I13	C13-Iso-Paraffin	0.119	0.127	0.114
98.327	1214.19 I13	C13-Iso-Paraffin	0.159	0.169	0.152
98.553	1217.26 A12	1,3,5-triethylbenzene	0.484	0.435	0.485
98.69	1219.1 I13	C13-Iso-Paraffin	0.089	0.08	0.089
98.853	1221.3 I13	C13-Iso-Paraffin	0.171	0.154	0.171
99.063	1224.12 I13	C13-Iso-Paraffin	0.193	0.173	0.193
99.24	1226.49 I13	C13-Iso-Paraffin	0.337	0.303	0.338
99.493	1229.88 I13	C13-Iso-Paraffin	0.376	0.339	0.377
99.693	1232.55 I13	C13-Iso-Paraffin	0.104	0.094	0.104
99.81	1234.1 I13	C13-Iso-Paraffin	0.129	0.116	0.129
99.923	1235.61 A12	1,2,4-triethylbenzene	0.131	0.118	0.131
100.117	1238.18 I13	C13-Iso-Paraffin	0.085	0.077	0.086
100.373	1241.58 A12	1,4-methyl-n-pentylbenzene	0.569	0.512	0.57
100.64	1245.11 I13	C13-Iso-Paraffin	0.152	0.137	0.152
100.817	1247.44 I13	C13-Iso-Paraffin	0.255	0.229	0.255
101.027	1250.2 I13	C13-Iso-Paraffin	0.076	0.068	0.076
101.143	1251.73 I13	C13-Iso-Paraffin	0.132	0.119	0.133
101.347	1254.4 I13	C13-Iso-Paraffin	0.224	0.202	0.224

101.44	1255.62 A12	n-hexylbenzene	0.18	0.162	0.181
101.59	1257.58 I13	C13-Iso-Paraffin	0.285	0.256	0.286
101.817	1260.54 I13	C13-Iso-Paraffin	0.11	0.099	0.11
101.947	1262.23 I13	C13-Iso-Paraffin	0.287	0.258	0.288
102.17	1265.13 I13	C13-Iso-Paraffin	0.202	0.182	0.202
102.293	1266.73 I13	C13-Iso-Paraffin	0.429	0.386	0.43
102.41	1268.25 I13	C13-Iso-Paraffin	0.164	0.147	0.164
102.537	1269.88 I13	I50	0.18	0.191	0.159
102.79	1273.16 A11	1,2,3,4,5-pentamethylbenzen	0.357	0.286	0.392
102.937	1275.05 I13	C13-Iso-Paraffin	0.108	0.086	0.118
103.123	1277.45 A11	2-methylnaphthalene	0.531	0.417	0.604
103.317	1279.93 A11	1-methylnaphthalene	0.386	0.303	0.438
103.483	1282.07 I13	C13-Iso-Paraffin	0.13	0.102	0.148
103.633	1283.99 I13	C13-Iso-Paraffin	0.178	0.14	0.202
103.737	1285.31 I13	C13-Iso-Paraffin	0.071	0.056	0.081
103.9	1287.39 I13	C13-Iso-Paraffin	0.422	0.332	0.48
104.267	1292.06 I13	C13-Iso-Paraffin	0.419	0.329	0.476
104.533	1295.44 I13	C13-Iso-Paraffin	0.222	0.174	0.252
104.893	1300 P13	n-tridecane	0.824	0.873	0.728
105.057	1302.44 I14	C14-Iso-Paraffin	0.222	0.235	0.196
105.193	1304.49 I14	C14-Iso-Paraffin	0.063	0.067	0.056
105.317	1306.33 I14	C14-Iso-Paraffin	0.13	0.137	0.115
105.427	1307.97 I14	C14-Iso-Paraffin	0.214	0.227	0.189
105.643	1311.2 I14	C14-Iso-Paraffin	0.258	0.273	0.228
105.777	1313.18 I14	C14-Iso-Paraffin	0.115	0.121	0.101
105.863	1314.47 I14	C14-Iso-Paraffin	0.21	0.222	0.185
106.057	1317.33 I14	C14-Iso-Paraffin	0.191	0.202	0.168
106.227	1319.85 I14	C14-Iso-Paraffin	0.251	0.266	0.221
106.323	1321.28 I14	C14-Iso-Paraffin	0.306	0.324	0.27
106.63	1325.8 I14	C14-Iso-Paraffin	0.267	0.283	0.236
106.813	1328.5 I14	C14-Iso-Paraffin	0.093	0.099	0.082
107.043	1331.88 I14	C14-Iso-Paraffin	0.393	0.416	0.347
107.287	1335.44 I14	C14-Iso-Paraffin	0.244	0.258	0.215
107.427	1337.49 I14	C14-Iso-Paraffin	0.104	0.11	0.092
107.53	1339 I14	C14-Iso-Paraffin	0.148	0.156	0.13
107.773	1342.55 I14	C14-Iso-Paraffin	0.112	0.119	0.099
107.887	1344.2 I14	C14-Iso-Paraffin	0.128	0.135	0.113
108.05	1346.57 I14	C14-Iso-Paraffin	0.27	0.285	0.238
108.173	1348.36 I14	C14-Iso-Paraffin	0.136	0.144	0.12
108.313	1350.39 I14	C14-Iso-Paraffin	0.274	0.29	0.242
108.53	1353.52 I14	C14-Iso-Paraffin	0.291	0.308	0.257
108.73	1356.41 I14	C14-Iso-Paraffin	0.321	0.339	0.283
109.07	1361.31 I14	C14-Iso-Paraffin	0.352	0.373	0.311
109.213	1363.37 I14	C14-Iso-Paraffin	0.215	0.228	0.19
109.413	1366.24 I14	C14-Iso-Paraffin	0.356	0.376	0.314
109.557	1368.29 I14	C14-Iso-Paraffin	0.217	0.229	0.191
109.707	1370.43 I14	C14-Iso-Paraffin	0.141	0.149	0.124
109.887	1373 I14	C14-Iso-Paraffin	0.354	0.375	0.313
110.157	1376.85 I14	C14-Iso-Paraffin	0.171	0.181	0.151
110.447	1380.97 I14	C14-Iso-Paraffin	0.948	1.004	0.837
110.773	1385.6 I14	C14-Iso-Paraffin	0.278	0.294	0.245
110.887	1387.2 I14	C14-Iso-Paraffin	0.071	0.075	0.063

111	1388.8 I14	C14-Iso-Paraffin	0.158	0.167	0.139
111.27	1392.6 I14	C14-Iso-Paraffin	0.27	0.286	0.238
111.403	1394.48 I14	C14-Iso-Paraffin	0.422	0.447	0.373
111.797	1400 P14	C14	1.157	1.215	0.949
111.953	1402.54 I15	C15-Iso-Paraffin	0.238	0.25	0.195
112.26	1407.52 I15	C15-Iso-Paraffin	0.689	0.723	0.565
112.55	1412.21 I15	C15-Iso-Paraffin	0.39	0.409	0.32
112.683	1414.36 I15	C15-Iso-Paraffin	0.241	0.253	0.198
112.847	1416.99 I15	C15-Iso-Paraffin	0.076	0.08	0.063
112.987	1419.25 I15	C15-Iso-Paraffin	0.279	0.293	0.229
113.257	1423.59 I15	C15-Iso-Paraffin	0.185	0.194	0.152
113.407	1425.99 I15	C15-Iso-Paraffin	0.053	0.056	0.044
113.59	1428.93 I15	C15-Iso-Paraffin	0.223	0.234	0.183
113.703	1430.74 I15	C15-Iso-Paraffin	0.182	0.191	0.15
113.913	1434.09 I15	C15-Iso-Paraffin	0.14	0.147	0.115
114.063	1436.48 I15	C15-Iso-Paraffin	0.234	0.245	0.192
114.247	1439.4 I15	C15-Iso-Paraffin	0.49	0.515	0.402
114.45	1442.63 I15	C15-Iso-Paraffin	0.089	0.094	0.073
114.597	1444.95 I15	C15-Iso-Paraffin	0.261	0.274	0.214
115.037	1451.91 I15	C15-Iso-Paraffin	0.792	0.832	0.65
115.27	1455.59 I15	C15-Iso-Paraffin	0.267	0.28	0.219
115.42	1457.95 I15	C15-Iso-Paraffin	0.068	0.071	0.055
115.62	1461.09 I15	C15-Iso-Paraffin	0.335	0.351	0.274
115.78	1463.6 I15	C15-Iso-Paraffin	0.063	0.066	0.051
115.983	1466.79 I15	C15-Iso-Paraffin	1.033	1.085	0.848
116.377	1472.93 I15	C15-Iso-Paraffin	0.41	0.431	0.336
116.537	1475.42 I15	C15-Iso-Paraffin	0.346	0.363	0.284
116.74	1478.59 I15	C15-Iso-Paraffin	0.101	0.106	0.083
116.917	1481.33 I15	C15-Iso-Paraffin	0.178	0.186	0.146
117.123	1484.53 I15	C15-Iso-Paraffin	0.361	0.379	0.296
117.537	1490.92 I15	C15-Iso-Paraffin	0.292	0.306	0.239
117.707	1493.54 I15	C15-Iso-Paraffin	0.235	0.246	0.193
117.867	1496 I15	C15-Iso-Paraffin	0.215	0.225	0.176
118.047	1498.77 P15	C15	1.565	1.229	1.242
118.213	1501.66 I16	C16-Iso-Paraffin	0.22	0.173	0.175
118.373	1504.72 I16	C16-Iso-Paraffin	0.123	0.096	0.097
118.487	1506.89 I16	C16-Iso-Paraffin	0.127	0.1	0.101
118.727	1511.47 I16	C16-Iso-Paraffin	0.335	0.263	0.266
118.977	1516.23 I16	C16-Iso-Paraffin	0.369	0.289	0.292
119.203	1520.54 I16	C16-Iso-Paraffin	0.153	0.12	0.121
119.307	1522.5 I16	C16-Iso-Paraffin	0.139	0.109	0.11
119.47	1525.6 I16	C16-Iso-Paraffin	0.066	0.052	0.052
119.593	1527.93 I16	C16-Iso-Paraffin	0.058	0.046	0.046
119.76	1531.08 I16	C16-Iso-Paraffin	0.134	0.105	0.106
119.88	1533.35 I16	C16-Iso-Paraffin	0.076	0.06	0.061
120.167	1538.75 I16	C16-Iso-Paraffin	0.28	0.22	0.222
120.393	1543.02 I16	C16-Iso-Paraffin	0.205	0.161	0.162
120.513	1545.27 I16	C16-Iso-Paraffin	0.103	0.081	0.082
120.697	1548.71 I16	C16-Iso-Paraffin	0.222	0.175	0.177
120.803	1550.71 I16	C16-Iso-Paraffin	0.196	0.154	0.155
121	1554.39 I16	C16-Iso-Paraffin	0.292	0.229	0.232
121.083	1555.94 I16	C16-Iso-Paraffin	0.298	0.234	0.237

121.2	1558.12 I16	C16-Iso-Paraffin	0.199	0.156	0.158
121.303	1560.05 I16	C16-Iso-Paraffin	0.262	0.205	0.208
121.58	1565.2 I16	C16-Iso-Paraffin	0.283	0.222	0.224
121.84	1570.03 I16	C16-Iso-Paraffin	0.417	0.328	0.331
121.973	1572.5 I16	C16-Iso-Paraffin	0.423	0.332	0.336
122.34	1579.28 I16	C16-Iso-Paraffin	0.134	0.105	0.106
122.543	1583.04 I16	C16-Iso-Paraffin	0.082	0.065	0.065
122.673	1585.43 I16	C16-Iso-Paraffin	0.051	0.04	0.041
122.78	1587.4 I16	C16-Iso-Paraffin	0.047	0.037	0.037
123.08	1592.91 I16	C16-Iso-Paraffin	0.329	0.258	0.261
123.2	1595.11 I16	C16-Iso-Paraffin	0.141	0.111	0.112
123.393	1598.65 P16	C16	1.487	1.54	1.068
123.573	1602.33 I17	C17-Iso-Paraffin	0.186	0.193	0.134
123.737	1605.91 I17	C17-Iso-Paraffin	0.066	0.069	0.048
123.853	1608.45 I17	C17-Iso-Paraffin	0.123	0.127	0.088
124	1611.66 I17	C17-Iso-Paraffin	0.239	0.248	0.172
124.207	1616.16 I17	C17-Iso-Paraffin	0.194	0.201	0.139
124.497	1622.47 I17	C17-Iso-Paraffin	0.151	0.156	0.108
124.633	1625.44 I17	C17-Iso-Paraffin	0.057	0.059	0.041
124.78	1628.62 I17	C17-Iso-Paraffin	0.08	0.083	0.058
124.903	1631.29 I17	C17-Iso-Paraffin	0.079	0.082	0.057
125.113	1635.83 I17	C17-Iso-Paraffin	0.095	0.099	0.069
125.213	1637.99 I17	C17-Iso-Paraffin	0.086	0.089	0.062
125.43	1642.67 I17	C17-Iso-Paraffin	0.087	0.09	0.062
125.597	1646.26 I17	C17-Iso-Paraffin	0.247	0.256	0.177
125.75	1649.55 I17	C17-Iso-Paraffin	0.137	0.141	0.098
125.92	1653.21 I17	C17-Iso-Paraffin	0.534	0.553	0.383
126.247	1660.21 I17	C17-Iso-Paraffin	0.446	0.462	0.321
126.453	1664.63 I17	C17-Iso-Paraffin	0.167	0.173	0.12
126.567	1667.05 I17	C17-Iso-Paraffin	0.149	0.154	0.107
126.817	1672.38 I17	C17-Iso-Paraffin	0.202	0.209	0.145
126.94	1675.01 I17	C17-Iso-Paraffin	0.075	0.078	0.054
127.067	1677.7 I17	C17-Iso-Paraffin	0.043	0.044	0.031
127.15	1679.47 I17	C17-Iso-Paraffin	0.022	0.022	0.015
127.267	1681.95 I17	C17-Iso-Paraffin	0.048	0.05	0.034
127.433	1685.48 I17	C17-Iso-Paraffin	0.14	0.145	0.101
127.58	1688.59 I17	C17-Iso-Paraffin	0.1	0.103	0.072
127.66	1690.28 I17	C17-Iso-Paraffin	0.081	0.084	0.058
127.93	1695.99 I17	C17-Iso-Paraffin	0.151	0.157	0.109
128.05	1698.52 P17	C17	1.258	1.294	0.851
128.193	1701.82 I18	C18-Iso-Paraffin	0.104	0.107	0.071
128.393	1706.8 I18	C18-Iso-Paraffin	0.147	0.152	0.1
128.517	1709.86 I18	C18-Iso-Paraffin	0.698	0.718	0.472
128.66	1713.42 I18	C18-Iso-Paraffin	0.087	0.09	0.059
128.78	1716.4 I18	C18-Iso-Paraffin	0.15	0.154	0.101
128.977	1721.27 I18	C18-Iso-Paraffin	0.102	0.105	0.069
129.06	1723.33 I18	C18-Iso-Paraffin	0.075	0.077	0.051
129.183	1726.38 I18	C18-Iso-Paraffin	0.056	0.057	0.038
129.37	1730.99 I18	C18-Iso-Paraffin	0.136	0.14	0.092
129.483	1733.78 I18	C18-Iso-Paraffin	0.024	0.025	0.017
129.627	1737.31 I18	C18-Iso-Paraffin	0.087	0.09	0.059
129.757	1740.51 I18	C18-Iso-Paraffin	0.019	0.02	0.013

129.943	1745.1 I18	C18-Iso-Paraffin	0.138	0.142	0.094
130.01	1746.73 I18	C18-Iso-Paraffin	0.101	0.104	0.068
130.117	1749.35 I18	C18-Iso-Paraffin	0.138	0.142	0.093
130.287	1753.51 I18	C18-Iso-Paraffin	0.078	0.08	0.053
130.447	1757.43 I18	C18-Iso-Paraffin	0.197	0.202	0.133
130.543	1759.79 I18	C18-Iso-Paraffin	0.12	0.123	0.081
130.647	1762.31 I18	C18-Iso-Paraffin	0.059	0.061	0.04
130.783	1765.65 I18	C18-Iso-Paraffin	0.211	0.217	0.143
130.91	1768.73 I18	C18-Iso-Paraffin	0.059	0.061	0.04
131.1	1773.36 I18	C18-Iso-Paraffin	0.144	0.148	0.097
131.317	1778.62 I18	C18-Iso-Paraffin	0.073	0.075	0.049
131.413	1780.97 I18	C18-Iso-Paraffin	0.039	0.04	0.027
131.493	1782.91 I18	C18-Iso-Paraffin	0.035	0.036	0.024
131.587	1785.17 I18	C18-Iso-Paraffin	0.033	0.034	0.022
131.787	1790.01 I18	C18-Iso-Paraffin	0.142	0.146	0.096
132.2	1800 P18	C18	0.961	0.991	0.614
132.313	1802.99 I19	C19-Iso-Paraffin	0.054	0.056	0.035
132.453	1806.69 I19	C19-Iso-Paraffin	0.078	0.08	0.05
132.647	1811.79 I19	C19-Iso-Paraffin	0.158	0.163	0.101
132.78	1815.31 I19	C19-Iso-Paraffin	0.384	0.396	0.245
133.067	1822.85 I19	C19-Iso-Paraffin	0.097	0.1	0.062
133.163	1825.39 I19	C19-Iso-Paraffin	0.047	0.049	0.03
133.24	1827.4 I19	C19-Iso-Paraffin	0.063	0.065	0.04
133.46	1833.17 I19	C19-Iso-Paraffin	0.031	0.032	0.02
133.617	1837.27 I19	C19-Iso-Paraffin	0.064	0.066	0.041
133.737	1840.41 I19	C19-Iso-Paraffin	0.09	0.092	0.057
133.867	1843.81 I19	C19-Iso-Paraffin	0.078	0.08	0.05
133.947	1845.9 I19	C19-Iso-Paraffin	0.048	0.049	0.031
134.05	1848.59 I19	C19-Iso-Paraffin	0.076	0.079	0.049
134.22	1853.02 I19	C19-Iso-Paraffin	0.067	0.069	0.043
134.477	1859.7 I19	C19-Iso-Paraffin	0.119	0.123	0.076
134.673	1864.81 I19	C19-Iso-Paraffin	0.124	0.128	0.079
134.87	1869.9 I19	C19-Iso-Paraffin	0.1	0.103	0.064
134.977	1872.67 I19	C19-Iso-Paraffin	0.07	0.072	0.045
135.197	1878.36 I19	C19-Iso-Paraffin	0.048	0.049	0.031
135.337	1881.97 I19	C19-Iso-Paraffin	0.061	0.063	0.039
135.42	1884.12 I19	C19-Iso-Paraffin	0.022	0.023	0.014
135.553	1887.56 I19	C19-Iso-Paraffin	0.035	0.036	0.022
135.697	1891.25 I19	C19-Iso-Paraffin	0.073	0.075	0.047
135.97	1898.28 P19	C19	0.917	0.945	0.556
136.203	1904.85 I20	C20-Iso-Paraffin	0.08	0.083	0.049
136.317	1908.15 I20	C20-Iso-Paraffin	0.055	0.057	0.034
136.52	1914.06 I20	C20-Iso-Paraffin	0.114	0.118	0.069
136.667	1918.31 I20	C20-Iso-Paraffin	0.081	0.084	0.049
136.797	1922.08 I20	C20-Iso-Paraffin	0.03	0.031	0.018
136.903	1925.17 I20	C20-Iso-Paraffin	0.017	0.017	0.01
137.1	1930.86 I20	C20-Iso-Paraffin	0.07	0.072	0.042
137.337	1937.7 I20	C20-Iso-Paraffin	0.043	0.045	0.026
137.453	1941.06 I20	C20-Iso-Paraffin	0.088	0.091	0.054
137.56	1944.14 I20	C20-Iso-Paraffin	0.033	0.034	0.02
137.66	1947.02 I20	C20-Iso-Paraffin	0.07	0.072	0.043
137.823	1951.72 I20	C20-Iso-Paraffin	0.024	0.025	0.015

138.057	1958.42 I20	C20-Iso-Paraffin	0.055	0.057	0.034
138.23	1963.39 I20	C20-Iso-Paraffin	0.101	0.104	0.061
138.39	1967.98 I20	C20-Iso-Paraffin	0.043	0.044	0.026
138.583	1973.51 I20	C20-Iso-Paraffin	0.143	0.148	0.087
138.81	1979.98 I20	C20-Iso-Paraffin	0.04	0.041	0.024
138.953	1984.07 I20	C20-Iso-Paraffin	0.056	0.058	0.034
139.073	1987.49 I20	C20-Iso-Paraffin	0.079	0.081	0.048
139.45	1998.2 P20	C20	0.702	0.713	0.404
139.66	2004.57 I21	C21-Iso-Paraffin	0.028	0.028	0.016
139.87	2011.1 I21	C21-Iso-Paraffin	0.095	0.097	0.055
140.057	2016.9 I21	C21-Iso-Paraffin	0.073	0.074	0.042
140.24	2022.59 I21	C21-Iso-Paraffin	0.058	0.059	0.034
140.367	2026.51 I21	C21-Iso-Paraffin	0.03	0.03	0.017
140.453	2029.2 I21	C21-Iso-Paraffin	0.008	0.009	0.005
140.66	2035.59 I21	C21-Iso-Paraffin	0.062	0.063	0.036
140.793	2039.71 I21	C21-Iso-Paraffin	0.082	0.084	0.047
140.913	2043.41 I21	C21-Iso-Paraffin	0.046	0.047	0.027
141.007	2046.29 I21	C21-Iso-Paraffin	0.057	0.058	0.033
141.167	2051.22 I21	C21-Iso-Paraffin	0.035	0.035	0.02
141.393	2058.2 I21	C21-Iso-Paraffin	0.05	0.051	0.029
141.563	2063.42 I21	C21-Iso-Paraffin	0.066	0.067	0.038
141.667	2066.59 I21	C21-Iso-Paraffin	0.018	0.018	0.01
141.847	2072.11 I21	C21-Iso-Paraffin	0.095	0.096	0.054
141.937	2074.86 I21	C21-Iso-Paraffin	0.03	0.03	0.017
142.113	2080.27 I21	C21-Iso-Paraffin	0.19	0.193	0.11
142.277	2085.26 I21	C21-Iso-Paraffin	0.088	0.089	0.05
142.47	2091.16 I21	C21-Iso-Paraffin	0.03	0.03	0.017
142.693	2097.97 P21	C21	0.45	0.455	0.247
142.86	2103.3 I22	C22-Iso-Paraffin	0.012	0.012	0.007
143.183	2113.98 I22	C22-Iso-Paraffin	0.026	0.026	0.014
143.38	2120.46 I22	C22-Iso-Paraffin	0.037	0.037	0.02
143.923	2138.32 I22	C22-Iso-Paraffin	0.108	0.11	0.059
144.067	2143.02 I22	C22-Iso-Paraffin	0.013	0.013	0.007
144.17	2146.4 I22	C22-Iso-Paraffin	0.028	0.029	0.016
144.317	2151.2 I22	C22-Iso-Paraffin	0.015	0.015	0.008
144.533	2158.28 I22	C22-Iso-Paraffin	0.044	0.044	0.024
144.68	2163.07 I22	C22-Iso-Paraffin	0.052	0.052	0.028
144.827	2167.85 I22	C22-Iso-Paraffin	0.026	0.026	0.014
145.017	2174.04 I22	C22-Iso-Paraffin	0.061	0.061	0.033
145.27	2182.27 I22	C22-Iso-Paraffin	0.094	0.095	0.052
145.75	2197.84 P22	C22	0.363	0.366	0.19
146.113	2209.64 I23	C23-Iso-Paraffin	0.019	0.019	0.01
146.307	2215.91 I23	C23-Iso-Paraffin	0.024	0.025	0.013
146.457	2220.78 I23	C23-Iso-Paraffin	0.03	0.03	0.016
146.587	2224.99 I23	C23-Iso-Paraffin	0.057	0.057	0.03
146.91	2235.44 I23	C23-Iso-Paraffin	0.047	0.047	0.024
147.077	2240.82 I23	C23-Iso-Paraffin	0.108	0.109	0.057
147.34	2249.31 I23	C23-Iso-Paraffin	0.016	0.016	0.008
147.55	2256.06 I23	C23-Iso-Paraffin	0.046	0.046	0.024
147.717	2261.42 I23	C23-Iso-Paraffin	0.049	0.049	0.026
147.913	2267.73 I23	C23-Iso-Paraffin	0.044	0.044	0.023
148.023	2271.25 I23	C23-Iso-Paraffin	0.025	0.026	0.013

148.18	2276.27 I23	C23-Iso-Paraffin	0.019	0.019	0.01
148.463	2285.33 I23	C23-Iso-Paraffin	0.026	0.026	0.013
148.567	2288.63 I23	C23-Iso-Paraffin	0.009	0.009	0.005
148.85	2297.66 P23	C23	0.317	0.318	0.159
149.553	2318.45 I24	C24-Iso-Paraffin	0.014	0.014	0.007
149.67	2321.86 I24	C24-Iso-Paraffin	0.054	0.054	0.027
149.82	2326.24 I24	C24-Iso-Paraffin	0.004	0.004	0.002
150.087	2334.02 I24	C24-Iso-Paraffin	0.024	0.024	0.012
150.467	2345.07 I24	C24-Iso-Paraffin	0.03	0.03	0.015
150.583	2348.46 I24	C24-Iso-Paraffin	0.009	0.009	0.004
150.827	2355.51 I24	C24-Iso-Paraffin	0.033	0.033	0.016
151.013	2360.92 I24	C24-Iso-Paraffin	0.039	0.039	0.02
151.323	2369.88 I24	C24-Iso-Paraffin	0.046	0.046	0.023
151.62	2378.44 I24	C24-Iso-Paraffin	0.017	0.017	0.008
151.98	2388.8 I24	C24-Iso-Paraffin	0.015	0.016	0.008
152.28	2397.41 P24	C24	0.289	0.29	0.139
153.16	2420.09 I25	C25-Iso-Paraffin	0.011	0.012	0.006
153.64	2432.25 I25	C25-Iso-Paraffin	0.015	0.015	0.007
154.563	2455.53 I25	C25-Iso-Paraffin	0.006	0.006	0.003
154.76	2460.47 I25	C25-Iso-Paraffin	0.024	0.024	0.012
155.167	2470.66 I25	C25-Iso-Paraffin	0.016	0.016	0.008
156.033	2492.29 I25	C25-Iso-Paraffin	0.02	0.02	0.01
156.233	2497.26 P25	C25	0.236	0.236	0.109
157.8	2531.3 I26	C26-Iso-Paraffin	0.018	0.018	0.008
159.147	2559.97 I26	C26-Iso-Paraffin	0.027	0.027	0.013
160.917	2597.27 P26	C26	0.196	0.196	0.086
166.58	2697.18 P27	C27	0.166	0.165	0.07
173.507	2797.09 P28	C28	0.137	0.136	0.056
182.053	2897.08 P29	C29	0.108	0.107	0.043
192.667	2972.54 +	C30+	0.063	0.065	0.024