

Table S1: Classes of compounds, summation of peak areas, CAS number, and retention times of chemical compounds identified by CG-MS in bio-oil by pyrolysis of Açai seeds (*Euterpe Oleracea*, Mart), activated with 2.0 M KOH solution, at 350 °C, 1.0 atmosphere, in laboratory scale.

Class of Compounds: Chemical Compounds	RT [min]	CAS	ωi% (Area)
<b>Alcohol</b>			
2-Furanmethanol	8.251	98-00-0	1.576
5-tert-Butylpyrogallol	28.208	20481-17-8	2.627
$\Sigma$ (Area.%) =			<b>4.203</b>
<b>Aromatic</b>			
Naphthalene, 1,2-dihydro-6-methyl-	21.820	2717-47-7	1.387
Toluene	6.147	108-88-3	2.08
Bicyclo[4.2.0]octa-1,3,5-triene	9.714	694-87-1	1.701
$\Sigma$ (Area.%) =			<b>5.168</b>
<b>Cresol</b>			
p-Cresol	14.651	106-44-5	3.266
p-Cresol	15.304	106-44-5	3.349
$\Sigma$ (Area.%) =			<b>6.615</b>
<b>Cycloalkene</b>			
Cyclooctene, 1,2-dimethyl-	19.063	54299-96-6	3.163
$\Sigma$ (Area.%) =			<b>3.163</b>
<b>Ester</b>			
10-Octadecenoic acid, methyl ester	42.716	13481-95-3	2.103
Pentadecanoic acid, 13-methyl-, methyl ester	37.015	5487-50-3	1.733
Tridecanoic acid, 12-methyl-, methyl ester	32.819	5129-58-8	1.576
$\Sigma$ (Area.%) =			<b>5.412</b>
<b>Hetrocyclic organic compound</b>			
5H-1-Pyridine	22.420	270-91-7	2.222
$\Sigma$ (Area.%) =			<b>2.222</b>
<b>Hydrocarbon</b>			
Cyclohexene, 3,3,5-trimethyl-	16.265	503-45-7	1.855
$\Sigma$ (Area.%) =			<b>1.855</b>
<b>Ketone</b>			
2-Cyclopenten-1-one, 2,3-dimethyl-	12.943	1121-05-7	1.933
2-Cyclopenten-1-one, 2,3-dimethyl-	14.255	1121-05-7	1.632
2-Cyclopenten-1-one, 2-methyl-	10.000	1120-73-6	1.726
2-Cyclopenten-1-one, 3,4,4-trimethyl-	14.995	30434-65-2	2.199
2-Pentanone, 4-hydroxy-4-methyl-	7.901	123-42-2	3.034
5H-Inden-5-one, 1,2,3,6,7,7a-hexahydro-7a-methyl-	17.682	17299-55-7	1.685
$\Sigma$ (Area.%) =			<b>12.209</b>
<b>Lactonas</b>			
Butyrolactone	10.105	96-48-0	4.454
$\Sigma$ (Area.%) =			<b>4.454</b>
<b>Phenol</b>			
2,3-Dimethoxybenzyl alcohol	26.227	5653-67-8	2.244
Benzenemethanol, $\alpha$ -methyl- $\alpha$ -propyl-	22.869	4383-18-0	1.64
1,3-Benzenediol, 4-ethyl-	19.151	2896-60-8	4.524
Phenol	12.168	108-95-2	15.640
Phenol, 2,6-dimethoxy-	23.679	91-10-1	4.014

Phenol, 2-methoxy-	15.933	90-05-1	8.476
Phenol, 2-methoxy-4-propyl-	24.187	2785-87-7	1.846
Phenol, 2-methoxy-5-(1-propenyl)-, (E)-	26.524	19784-98-6	1.816
Phenol, 3-ethyl-	17.280	620-17-7	3.031
Phenol, 3-ethyl-	18.201	620-17-7	3.840
Phenol, 3-ethyl-5-methyl-	20.410	698-71-5	1.672
Phenol, 4-ethyl-2-methoxy-	21.680	2785-89-9	3.127
$\Sigma$ (Area.%) =			51.870
<b>Sequiterpenes</b>			
Cedran-diol, 8S,13-	27.999	88588-48-1	2.828
$\Sigma$ (Area.%) =			2.828
<b>Total</b>			100.000

Table S2: Classes of compounds, summation of peak areas, CAS number, and retention times of chemical compounds identified by CG-MS in bio-oil by pyrolysis of Açai seeds (*Euterpe Oleracea*, Mart), activated with 2.0 M KOH solution, at 400 °C, 1.0 atmosphere, in laboratory scale.

Class of Compounds: Chemical Compounds	RT [min]	CAS	wi% (Area)
<b>Alcohol</b>			
1,1-Cyclopropanedimethanol, 2-methyl- $\alpha$ -phenyl-	22.176	108546-96-9	1.814
2-Furanmethanol	8.251	98-00-0	4.166
$\Sigma$ (Area.%) =			<b>5.980</b>
<b>Alkane</b>			
Decane	12.885	124-18-5	1.809
Tridecane	22.076	629-50-5	2.433
Undecane	16.079	1120-21-4	1.907
$\Sigma$ (Area.%) =			<b>6.149</b>
<b>Amine</b>			
4-(2,5-Dihydro-3-methoxyphenyl)butylamine	22.438	77515-67-4	2.888
Phenethylamine, 2,4,5-trimethoxy- $\alpha$ -methyl-	28.208	1083-09-6	1.974
2-Pentanone, 4-amino-4-methyl-	8.542	625-04-7	1.935
$\Sigma$ (Area.%) =			<b>6.797</b>
<b>Aromatic</b>			
Mesitylene	13.036	108-67-8	1.559
Bicyclo[4.2.0]octa-1,3,5-triene	9.714	694-87-1	2.712
$\Sigma$ (Area.%) =			<b>4.271</b>
<b>Carboxylic acid</b>			
Butanoic acid, 4-hydroxy-	10.104	591-81-1	2.144
E-9-Tetradecenoic acid	21.843	50286-30-1	3.189
$\Sigma$ (Area.%) =			<b>5.333</b>
<b>Cresol</b>			
p-Cresol	15.309	106-44-5	3.87
$\Sigma$ (Area.%) =			<b>3.870</b>
<b>Cyclic alkene</b>			
1,3-Dimethyl-1-cyclohexene	11.002	2808-76-6	0.902
1,5,5-Trimethyl-6-methylene-cyclohexene	18.981	514-95-4	1.862
Cyclobutene, 2-propenylidene-	6.147	52097-85-5	2.140
Cyclohexane	4.031	110-82-7	3.743
$\Sigma$ (Area.%) =			<b>8.647</b>
<b>Ester</b>			
Acetic acid, 7-hydroxy-1,3,4,5,6,7-hexahydro-2H-naphthalen-4a-ylmethyl ester	26.232	-	1.824
$\Sigma$ (Area.%) =			<b>1.824</b>
<b>Fatty Alcohol</b>			
1-Hexadecanol, 2-methyl-	32.399	2490-48-4	1.708
$\Sigma$ (Area.%) =			<b>1.708</b>
<b>Ketone</b>			
2-Cyclopenten-1-one, 2,3-dimethyl-	14.260	1121-05-7	2.845
2-Cyclopenten-1-one, 3,4,4-trimethyl-	14.995	30434-65-2	1.814
2-Pentanone, 4-hydroxy-4-methyl-	7.901	123-42-2	2.883
Cyclopentanone, 2-ethyl-	11.154	4971-18-0	1.291
$\Sigma$ (Area.%) =			<b>8.833</b>

<b>Phenol</b>			
Phenol	12.168	108-95-2	9.050
Phenol, 2,3,5-trimethyl-	19.623	697-82-5	1.829
Phenol, 2,4,6-trimethyl-	20.526	527-60-6	2.023
Phenol, 2,4-dimethyl-	17.699	105-67-9	5.675
Phenol, 2,6-dimethoxy-	23.679	91-10-1	2.919
Phenol, 2-methoxy-	15.933	90-05-1	6.092
Phenol, 2-methyl-	14.657	95-48-7	3.743
Phenol, 3-ethyl-	17.280	620-17-7	3.115
Phenol, 3-ethyl-	18.200	620-17-7	3.193
Phenol, 4-ethyl-2-methoxy-	21.686	2785-89-9	3.612
$\Sigma$ (Area.%) =			<b>41.251</b>
<b>Sequiterpenes</b>			
Tetradecane, 2,6,10-trimethyl-	27.433	14905-56-7	1.990
1,4-Dihydrothujopsene-(II)	19.156	159087-74-8	3.346
$\Sigma$ (Area.%) =			<b>5.336</b>
<b>Total</b>			<b>100.000</b>

Table S3: Classes of compounds, summation of peak areas, CAS number, and retention times of chemical compounds identified by CG-MS in bio-oil by pyrolysis of Açai seeds (*Euterpe Oleracea*, Mart), activated with 2.0 M KOH solution, at 450 °C, 1.0 atmosphere, in laboratory scale.

Class of Compounds: Chemical Compounds	RT [min]	CAS	wi% (Area)
<b>Alcohol</b>			
2,3,4,5,6-Pentamethyl benzyl alcohol	26.279	-	1.738
2-Furanmethanol	8.257	98-00-0	1.578
Benzenemethanol, $\alpha$ -ethyl-4-methoxy-	24.181	5349-60-0	1.805
Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1 $\alpha$ ,2 $\alpha$ ,5 $\beta$ )-	19.156	491-01-0	3.798
$\Sigma$ (Area.%) =			<b>8.919</b>
<b>Alkane</b>			
Decane	12.891	124-18-5	1.234
Nonadecane	27.433	629-92-5	1.518
Tetradecane	24.833	629-59-4	2.332
Tridecane	22.071	629-50-5	2.595
Undecane	16.085	1120-21-4	1.590
$\Sigma$ (Area.%) =			<b>9.269</b>
<b>Alkene</b>			
7-Tetradecene	21.849	10374-74-0	2.863
$\Sigma$ (Area.%) =			<b>2.863</b>
<b>Amine</b>			
4-(2,5-Dihydro-3-methoxyphenyl)butylamine	22.438	77515-67-4	2.445
$\Sigma$ (Area.%) =			<b>2.445</b>
<b>Aromatic</b>			
Bicyclo[4.2.0]octa-1,3,5-triene	9.714	694-87-1	3.126
Ethylbenzene	8.764	100-41-4	2.214
Toluene	6.147	108-88-3	1.946
$\Sigma$ (Area.%) =			<b>7.286</b>
<b>Carboxylic acid</b>			
Butanoic acid, 4-hydroxy-	10.105	591-81-1	0.973
$\Sigma$ (Area.%) =			<b>0.973</b>
<b>Cresol</b>			
p-Cresol	15.304	106-44-5	3.004
$\Sigma$ (Area.%) =			<b>3.004</b>
<b>Cyclic hydrocarbon</b>			
1,2,4,4-Tetramethylcyclopentene	14.995	65378-76-9	1.302
1,3-Cyclopentadiene, 5-(1-methylpropylidene)-	13.025	04.02.3141	0.891
Cyclohexane	4.025	110-82-7	3.245
Cyclohexane, 1,2,4-tris(methylene)-	11.894	14296-81-2	0.856
$\Sigma$ (Area.%) =			<b>6.294</b>
<b>Ester</b>			
Acetic acid, 7-hydroxy-1,3,4,5,6,7-hexahydro-2H-naphthalen-4a-ylmethyl ester	25.778	-	1.287
$\Sigma$ (Area.%) =			<b>1.287</b>
<b>Fatty Alcohol</b>			
1-Hexadecanol, 2-methyl-	32.405	2490-48-4	1.508
$\Sigma$ (Area.%) =			<b>1.508</b>
<b>Ketone</b>			
2-Cyclopenten-1-one, 2,3-dimethyl-	14.260	1121-05-7	1.855

2-Cyclopenten-1-one, 2-methyl-	10.000	1120-73-6	0.904
4-(3,7,7-Trimethyl-2-oxabicyclo[3.2.0]hept-3-en-1-yl)but-3-en-2-one	22.176	54686-00-9	1.449
4-(3,7,7-Trimethyl-2-oxabicyclo[3.2.0]hept-3-en-1-yl)but-3-en-2-one	24.041	54686-00-9	1.567
Spiro[2.3]hexan-5-one, 4,4-diethyl-	16.265	-	1.293
$\Sigma$ (Area.%) =			7.068
<b>Nitrile</b>			
Tricyclo[3.1.0.0(2,4)]hex-3-ene-3-carbonitrile	12.681	103495-51-8	1.94
$\Sigma$ (Area.%) =			1.94
<b>Phenol</b>			
Phenol	12.168	108-95-2	5.731
Phenol, 2,3,5-trimethyl-	20.514	697-82-5	1.967
	16.586	526-75-0	1.369
Phenol, 2,3-dimethyl-	17.693	526-75-0	4.757
Phenol, 2,4,5-trimethyl-	21.406	496-78-6	1.684
Phenol, 2,4,6-trimethyl-	19.617	527-60-6	1.752
Phenol, 2,4,6-trimethyl-	21.523	527-60-6	1.504
Phenol, 2,5-dimethyl-	18.643	95-87-4	1.234
Phenol, 2,5-dimethyl-	18.982	95-87-4	1.964
Phenol, 2,6-dimethoxy-	23.685	91-10-1	2.896
Phenol, 2-ethyl-4-methyl-	21.004	3855-26-3	1.580
Phenol, 2-methyl-	14.657	95-48-7	2.594
Phenol, 3,5-dimethyl-	18.305	108-68-9	1.785
Phenol, 3-ethyl-	18.206	620-17-7	2.602
Phenol, 3-ethyl-5-methyl-	20.071	698-71-5	1.580
Phenol, 4-ethyl-	17.285	123-07-9	1.714
Phenol, 4-ethyl-2-methoxy-	21.680	2785-89-9	2.935
Phenol, 4-ethyl-2-methyl-	20.415	2219-73-0	1.683
$\Sigma$ (Area.%) =			41.331
<b>Terpenoid</b>			
Ascaridole epoxide	22.863	135760-25-7	2.28
$\Sigma$ (Area.%) =			2.28
<b>Non identified fraction</b>			
Mequinol	15.933	150-76-5	3.532
$\Sigma$ (Area.%) =			3.532
<b>Total</b>			100.000

Table S4: Classes of compounds, summation of peak areas, CAS number, and retention times of chemical compounds identified by CG-MS in aqueous phase by pyrolysis of Açai seeds (*Euterpe Oleracea*, Mart), activated with 2.0 M KOH solution, at 350 °C, 1.0 atmosphere, in laboratory scale.

Class of Compounds: Chemical Compounds	RT [min]	CAS	$\omega_i\%$ (Area)
<b>Alcohol</b>			
2-Furanmethanol	8.251	98-00-0	2.336
$\Sigma$ (Area.%) =			<b>2.336</b>
<b>Amine</b>			
N-Isopropylcyclohexylamine	18.422	1195-42-2	29.124
$\Sigma$ (Area.%) =			<b>29.124</b>
<b>Carboxylic acid</b>			
Acetic acid, hydrazide	3.851	1068-57-1	4.046
$\Sigma$ (Area.%) =			<b>4.046</b>
<b>Ketone</b>			
2-Pentanone, 4-amino-4-methyl-	8.543	625-04-7	15.919
2-Propanone, (1-methylethylidene)hydrazone	8.700	627-70-3	15.122
Butyrolactone	10.111	96-48-0	3.132
1,2,3-Trimethylpiperidin-4-one	15.420	-	14.578
4-Piperidinone, 2,2,6,6-tetramethyl-	16.907	826-36-8	4.06
$\Sigma$ (Area.%) =			<b>52.811</b>
<b>Oxazole</b>			
Oxazole, 4,5-dihydro-2,4,4-trimethyl-	6.369	1772-43-6	3.524
$\Sigma$ (Area.%) =			<b>3.524</b>
<b>Phenol</b>			
Phenol	12.191	108-95-2	4.452
$\Sigma$ (Area.%) =			<b>4.452</b>
<b>Silane</b>			
(N-Methylcarbamoyloxymethyl)trivinylsilane	7.319	120491-41-0	3.706
$\Sigma$ (Area.%) =			<b>3.706</b>
<b>Total</b>			<b>100.000</b>

Table S5: Classes of compounds, summation of peak areas, CAS number, and retention times of chemical compounds identified by CG-MS in aqueous phase by pyrolysis of Açai seeds (*Euterpe Oleracea*, Mart), activated with 2.0 M KOH solution, at 400 °C, 1.0 atmosphere, in laboratory scale.

Class of Compounds: Chemical Compounds	RT [min]	CAS	wi% (Area)
<b>Alcohol</b>			
2-Furanmethanol	8.257	98-00-0	15.587
Cyclopropyl carbinol	16.184	2516-33-8	5.148
$\Sigma$ (Area.%) =			<b>20.735</b>
<b>Amine</b>			
2-Propen-1-amine, N,N-bis(1-methylethyl)-	15.420	44898-60-4	5.300
$\Sigma$ (Area.%) =			<b>5.300</b>
<b>Aziridin</b>			
Aziridine, 1,2-diisopropyl-3-methyl-, trans-	18.422	6124-84-1	3.490
$\Sigma$ (Area.%) =			<b>3.490</b>
<b>Carboxylic acid</b>			
Butanoic acid, 4-hydroxy-	10.110	591-81-1	15.020
$\Sigma$ (Area.%) =			<b>15.020</b>
<b>Ketone</b>			
2-Pentanone, 4-amino-4-methyl-	8.543	625-04-7	11.560
2-Propanone, (1-methylethylidene)hydrazone	8.694	627-70-3	3.550
4-Piperidinone, 2,2,6,6-tetramethyl-	16.895	826-36-8	4.585
$\Sigma$ (Area.%) =			<b>19.695</b>
<b>Oxazole</b>			
Oxazole, 4,5-dihydro-2,4,4-trimethyl-	6.374	1772-43-6	32.78
5-Amino-3,4-dimethyl-isoxazole	7.319	19947-75-2	2.980
$\Sigma$ (Area.%) =			<b>35.76</b>
<b>Total</b>			<b>100.000</b>



Table S6: Classes of compounds, summation of peak areas, CAS number, and retention times of chemical compounds identified by CG-MS in aqueous phase by pyrolysis of Açaí seeds (*Euterpe Oleracea*, Mart), activated with 2.0 M KOH solution, at 450 °C, 1.0 atmosphere, in laboratory scale.

Class of Compounds: Chemical Compounds	RT [min]	CAS	wi% (Area)
<b>Alcohol</b>			
2,4-Dimethyl-2-oxazoline-4-methanol	6.368	39986-37-3	17.670
3-Furanmethanol	8.257	4412-91-3	8.948
$\Sigma$ (Area.%) =			<b>26.618</b>
<b>Alkene</b>			
2-Pentene, 2,4-dimethyl-	6.735	625-65-0	3.394
$\Sigma$ (Area.%) =			<b>3.394</b>
<b>Amine</b>			
N-Tert.-butyl-N-(2-propenyl)amine	13.030	16486-68-3	6.054
2-Propen-1-amine, N,N-bis(1-methylethyl)-	15.426	44898-60-4	3.620
$\Sigma$ (Area.%) =			<b>9.674</b>
<b>Aziridine</b>			
Aziridine, 2-(1,1-dimethylethyl)-1-ethyl-3-methyl-, trans-	18.416	55669-79-9	3.381
$\Sigma$ (Area.%) =			<b>3.381</b>
<b>Carboxylic acid</b>			
Butanedioic acid, methylene-	7.313	97-65-4	2.487
Butanoic acid, 4-hydroxy-	10.104	591-81-1	6.743
$\Sigma$ (Area.%) =			<b>9.230</b>
<b>Ester</b>			
Carbamic acid, phenyl ester	12.191	622-46-8	3.316
$\Sigma$ (Area.%) =			<b>3.316</b>
<b>Ketone</b>			
2-Pentanone, 4-amino-4-methyl-	8.531	625-04-7	32.541
2-Propanone, (1-methylethylidene)hydrazone	8.700	627-70-3	2.292
4-Piperidinone, 2,2,6,6-tetramethyl-	16.901	826-36-8	9.553
$\Sigma$ (Area.%) =			<b>44.386</b>
<b>Total</b>			<b>100.000</b>

Table S7: Classes of compounds, summation of peak areas, CAS number, and retention times of chemical compounds identified by CG-MS in bio-oil by pyrolysis of Açaí seeds (*Euterpe Oleracea*, Mart), activated with 2.0 M HCl solution, at 350 °C, 1.0 atmosphere, in laboratory scale.

Class of Compounds: Chemical Compounds	RT [min]	CAS	wi% (Area)
<b>Alcohol</b>			
cis-1,2-Cyclohexanediol	20.853	1792-81-0	1.863
$\Sigma$ (Area.%) =			<b>1.863</b>
<b>Aldehyde</b>			
Furfural	7.761	98-01-1	6.372
2-Furancarboxaldehyde, 5-methyl-	11.766	620-02-0	2.763
$\Sigma$ (Area.%) =			<b>9.135</b>
<b>Carboxylic acid</b>			
Benzoic acid	17.956	65-85-0	2.784
Dodecanoic acid	28.850	143-07-7	15.592
Tetradecanoic acid	33.442	544-63-8	27.058
Oleic Acid	37.960	112-80-1	7.622
$\Sigma$ (Area.%) =			<b>53.056</b>
<b>Phenol</b>			
Phenol	12.168	108-95-2	17.655
Phenol, 2-methoxy-	15.933	90-05-1	3.498
Phenol, 4-ethyl-2-methoxy-	21.680	2785-89-9	3.094
Phenol, 2,6-dimethoxy-	23.680	91-10-1	3.144
3,5-Dimethoxy-4-hydroxytoluene	26.215	07.05.6638	2.238
Creosol	19.151	93-51-6	3.368
1,2-Benzenediol, 4-methyl-	21.849	452-86-8	2.948
$\Sigma$ (Area.%) =			<b>35.945</b>
<b>Total</b>			<b>100</b>

Table S8: Classes of compounds, summation of peak areas, CAS number, and retention times of chemical compounds identified by CG-MS in bio-oil by pyrolysis of Açai seeds (*Euterpe Oleracea*, Mart), activated with 2.0 M HCl solution, at 400 °C, 1.0 atmosphere, in laboratory scale.

Class of Compounds: Chemical Compounds	RT [min]	CAS	wt% (Area)
<b>Alcohol</b>			
cis-1,2-Cyclohexanediol	20.853	1792-81-0	2.26
2-Pentanone, 1-(2,4,6-trihydroxyphenyl)	33.804	-	2.36
$\Sigma$ (Area.%) =			<b>4.62</b>
<b>Aldehyde</b>			
Furfural	7.762	98-01-1	5.31
2-Furancarboxaldehyde, 5-methyl-	11.766	620-02-0	2.05
$\Sigma$ (Area.%) =			<b>7.36</b>
<b>Carboxylic acid</b>			
Benzoic acid	17.944	65-85-0	2.46
Dodecanoic acid	28.844	143-07-7	11.86
Tetradecanoic acid	33.443	544-63-8	22.49
Oleic Acid	37.954	112-80-1	6.73
$\Sigma$ (Area.%) =			<b>43.54</b>
<b>Cresol</b>			
p-Cresol	15.304	106-44-5	2.87
$\Sigma$ (Area.%) =			<b>2.87</b>
<b>Ketone</b>			
2-Cyclopenten-1-one, 2-methyl-	10.000	1120-73-6	0.69
Ethanone, 1-(2-furanyl)-	10.099	1192-62-7	1.65
Levogluconone	16.708	37112-31-5	2.39
2-Propanone, 1-(4-hydroxy-3-methoxyphenyl)-	28.447	2503-46-0	1.86
$\Sigma$ (Area.%) =			<b>6.59</b>
<b>Phenol</b>			
Phenol	12.162	108-95-2	14.26
Phenol, 2-methoxy-	15.933	90-05-1	3.58
Creosol	19.151	93-51-6	4.43
Phenol, 2,6-dimethoxy-	23.680	91-10-1	2.9
Phenol, 4-methoxy-3-(methoxymethyl)-	26.215	59907-65-2	2.08
1,2-Benzenediol, 4-methyl-	21.855	452-86-8	2.52
Butyrovannillone	29.928	64142-23-0	2.93
$\Sigma$ (Area.%) =			<b>32.70</b>
<b>Sesquiterpenes</b>			
Tetradecane, 2,6,10-trimethyl-	27.427	14905-56-7	2.34
$\Sigma$ (Area.%) =			<b>2.34</b>
<b>Total</b>			<b>100</b>

Table S9: Classes of compounds, summation of peak areas, CAS number, and retention times of chemical compounds identified by CG-MS in bio-oil by pyrolysis of Açai seeds (*Euterpe Oleracea*, Mart), activated with 2.0 M HCl solution, at 450 °C, 1.0 atmosphere, in laboratory scale.

Class of Compounds: Chemical Compounds	RT [min]	CAS	wi% (Area)
<b>Aldehyde</b>			
Furfural	7.761	98-01-1	4.078
$\Sigma$ (Area.%) =			<b>4.078</b>
<b>Carboxylic acid</b>			
Dodecanoic acid	28.855	143-07-7	14.41
Tetradecanoic acid	33.448	544-63-8	29.405
n-Hexadecanoic acid	37.948	57-10-3	12.185
Oleic Acid	43.986	112-80-1	5.175
$\Sigma$ (Area.%) =			<b>61.175</b>
<b>Cresol</b>			
p-Cresol	15.298	106-44-5	2.886
$\Sigma$ (Area.%) =			<b>2.886</b>
<b>Ketone</b>			
Levogluconone	16.708	37112-31-5	3.178
$\Sigma$ (Area.%) =			<b>3.178</b>
<b>Phenol</b>			
Phenol	12.168	108-95-2	12.696
Phenol, 2-methyl-	14.651	95-48-7	1.882
Phenol, 2-methoxy-	15.933	90-05-1	2.861
Phenol, 4-ethyl-2-methoxy-	21.680	2785-89-9	2.085
Catechol	19.016	120-80-9	3.236
Creosol	19.151	93-51-6	3.331
1,2-Benzenediol, 4-methyl-	21.849	452-86-8	2.591
$\Sigma$ (Area.%) =			<b>28.682</b>
<b>Total</b>			<b>100</b>