

Materials List for:

Qualitative Characterization of the Aqueous Fraction from Hydrothermal Liquefaction of Algae Using 2D Gas Chromatography with Time-of-flight Mass Spectrometry

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Materials

Name	Company	Catalog Number	Comments
GC × GC-TOF/MS	Leco	PEG4D11DLN15	Commercial Pegasus 4D
ChromaTOF version 4.50	Leco		Data analysis software
Rxi-5MS GC column	Restek	13420	2.3 m column was used from this column.
Stabilwax GC column	Restek	10626	
HP-5 GC column	Agilent	19091J-416	
Stabilwax GC column	Restek	15121	
Presstight Connector	Restek	20430	
GC injector liner	Restek	23305.5	
GC Injector ferrules	Agilent	5181-3323	
Non-stick liner O-rings	Agilent	5188-5365	
Transfer line ferrules	Restek	20212	
Ethanol	Sigma-Aldrich	459844	Chromatography grade
Acetone	Sigma-Aldrich	414689	Chromatography grade
Acetic acid	Sigma-Aldrich	320099	Chromatography grade
2-butanone	Sigma-Aldrich	360473	Chromatography grade
Propanoic acid	Sigma-Aldrich	402907	Chromatography grade
Butanoic acid	Sigma-Aldrich	19215	Chromatography grade
Pyridine	Sigma-Aldrich	270970	Chromatography grade
Pyrazine	Sigma-Aldrich	65693	Chromatography grade
Acetamide	Sigma-Aldrich	695122	Chromatography grade
2,5-pyrrolidione	Sigma-Aldrich	S9381	Chromatography grade
N-methylsuccinimide	Sigma-Aldrich	325384	Chromatography grade
N-(2-hydroxyethyl)succinimide	Sigma-Aldrich	444073	Chromatography grade