

Materials List for:

On-line Analysis of Nitrogen Containing Compounds in Complex Hydrocarbon Matrixes

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Materials

Name	Company	Catalog Number	Comments
2-Chloropyridine, 99%	Sigma Aldrich	C69802	Highly toxic
Shale oil	Origin Colorado, US	Piceance Basin in Colorado, USA	Toxic
Pyridine, 99.8%	Sigma Aldrich	270970	Highly toxic
Carbon Dioxide, industrial grade refrigerated liquid	PRAXAIR	CDINDLB0D	Wear safety gloves and glasses
Helium, 99.99%	PRAXAIR	6.0	
Hydrogen, 99.95%	Air Liquide	695A-49	Flammable
Oxygen	Air Liquide	905A-49+	Flammable
Air	Air Liquide	365A-49X	
Nitrogen	Air Liquide	765A-49	
Hexane, 95+%	Chemlab	CL00.0803.9025	Toxic
Heptane, 99+%	Chemlab	CL00.0805.9025	Toxic
Nitrogen, industrial grade refrigerated liquid	PRAXAIR	P0271L50S2A001	Wear safety gloves and glasses
Autosampler	Thermo Scientific, Interscience	AI/AS 3000	
High temperature 6 port/2 position valve	Valco Instruments Company Incorporated	SSACGUWT	
Gas chromatograph	Thermo Scientific, Interscience	Trace GC ultra	
Rafinery Gas Analyzer	Thermo Scientific, Interscience	KAV00309	
rtx-1-PONA column	Restek Pure Chromatography	10195-146	
BPX-50 column	SGE Analytical science	54741	
TOF-MS	Thermo Scientific, Interscience	Tempus Plus 1.4 SR1 Finnigan	
NCD	Agilent Technologies	NCD 255	
Chrom-card	Thermo Scientific, Interscience	HyperChrom 2.4.1	
Xcalibur software	Thermo Scientific, Interscience	1.4 SR1	
Chrom-card software	Thermo Scientific, Interscience	HyperChrom 2.7	
GC image software	Zoex Corporation	GC image 2.3	