

Chemical Information:

Name: Stoddard Solvent

Date of Analysis: 06 August 2010

CAS No.: 8052-41-3

Supplier: Supelco

Tox21_ID No.: Tox21_202611

Lot No.: LB37130

NTP_CID No.: 5269

MW: Not applicable

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Nonane	6.89	6.37
Benzene, 1-ethyl-3-methyl-	8.04	5.04
Decane	8.66	14.22
Benzene, 1-ethyl-3,5-dimethyl-	9.65	5.53
Undecane	10.30	11.79

^a Peaks comprising > 5.0% of total area. Components were identified by comparison to a NIST Library of mass spectra.

In addition to the five named components, there were 23 peaks identified as components of Stoddard Solvent, ranging from 0.90% to 4.02%; total = 56.00%. The combined total of the 28 components = 98.95%.

One unknown component, observed to be 1.06%, was not included in the total purity.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (100:1)
Data Analysis Software	MSD ChemStation v D.03.00.SP1, and NIST Library v 2.0f, build 10/08/2008

