

Chemical Information:

Name: 3,4-Diaminotoluene
CAS No.: 496-72-0
Tox21_ID No.: Tox21_201749
NTP_CID No.: 302

Supplier: Sigma-Aldrich
Lot No.: 22529CA
MW: 122.17 g/mol

Date of Analysis: 02 February 2009

Purity and Identity Results:

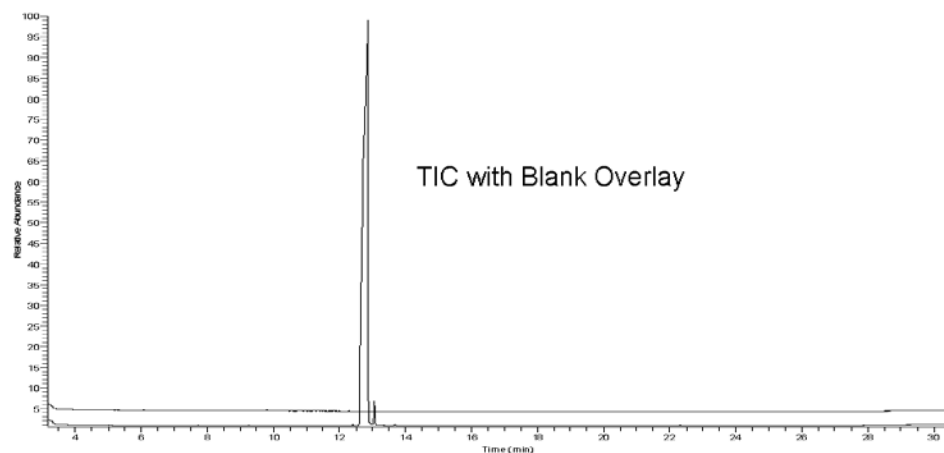
| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|--------------------|----------------------|------------------------------------|
| 3,4-Diaminotoluene | 12.87 | 98.59 |
| unknown | 13.07 | 0.99 |

^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

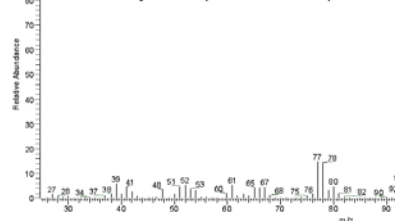
| | |
|-------------------------|--|
| Instrument / Ionization | Gas Chromatograph with Mass Spectrometer / Electron Impact |
| Solvent | Dichloromethane |
| Column | J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m film thickness |
| Carrier Gas | Helium at 1.0 mL/min |
| Oven Program | 35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min |
| Source Temperature | 250°C |
| Auxiliary Temperature | 250°C |
| Scan Range | 25 – 350 amu |
| Injector Temperature | 250°C |
| Injection Volume / Mode | 1 μ L / Split (10:1) |
| Run Time | 36.5 minutes |
| Data Analysis Software | Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008 |

RT: 3.15 - 31.01 SM 3G



0160919 #1153 RT: 12.81 AU: 1 SB: 2 12.57, 12.93 NL: 7.97E5
T: (0.0) • c:\data\95000 Full.ms [25.00-35.00]

Major Component Mass Spectrum



NIST Reference Mass Spectrum

