

Chemical Information:

Name: Hydroquinone
CAS No.: 123-31-9
Tox21_ID No.: Tox21_202345
NTP_CID No.: 858

Supplier: Sigma-Aldrich
Lot No.: 083K3443
MW: 110.11 g/mol

Date of Analysis: 13 March 2009

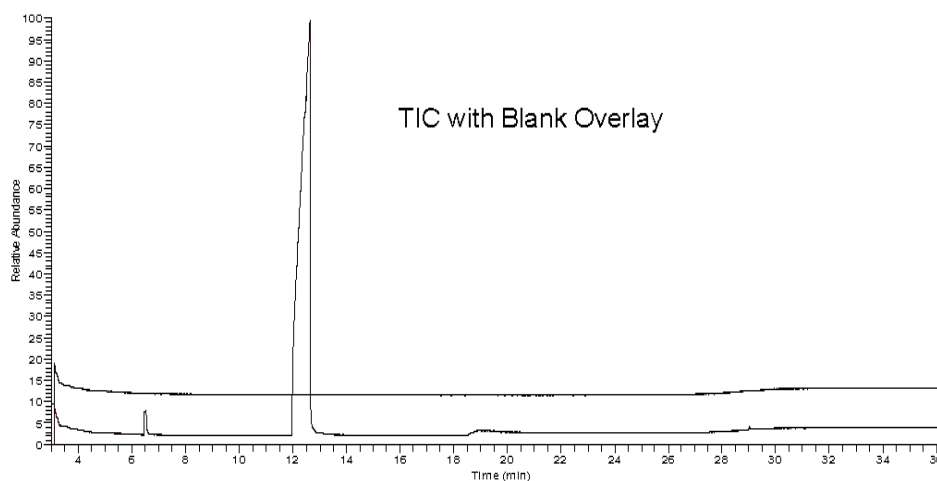
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
unknown	6.51	1.52
Hydroquinone	12.64	98.40

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

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane (~ 1 mg/mL)
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 / Splitless
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008



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