

Chemical Information:

Name: p-Benzoquinone dioxime
CAS No.: 105-11-3 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_200273 Lot No.: 08216PO
NTP_CID No.: 1219 MW: 138.12 g/mol

Date of Analysis: 13 March 2009

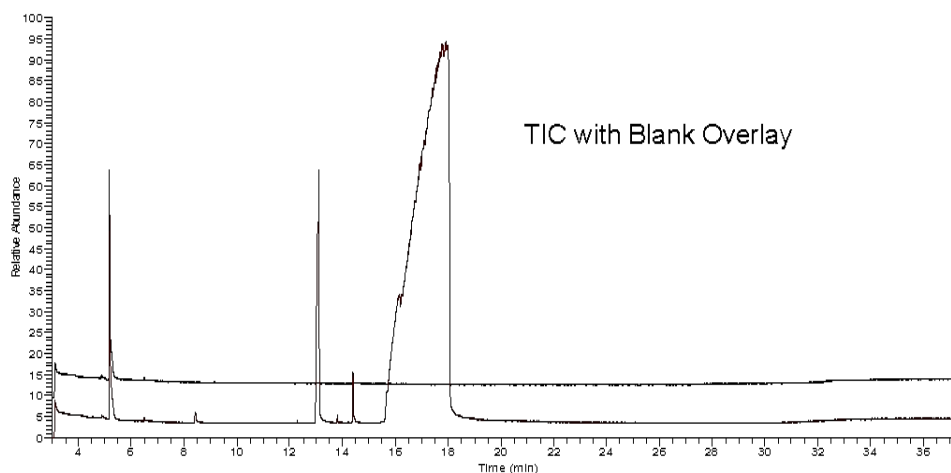
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
unknown	13.09	3.50
p-Benzoquinone dioxime	17.90	96.02

^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 200°C, hold 5 min; ramp @ 10°C/min to 240°C, hold 1 min; ramp @ 15°C/min to 300°C, hold 5 min
Source Temperature	200°C
Auxiliary Temperature	200°C
Scan Range	25 – 350 amu
Injector Temperature	200°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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