

### Chemical Information:

Name: Thiophenol  
CAS No.: 108-98-5  
Tox21\_ID No.: Tox21\_201577  
NTP\_CID No.: 2650

Supplier: Sigma-Aldrich  
Lot No.: 55896HJ  
MW: 110.18 g/mol

Date of Analysis: 15 October 2009

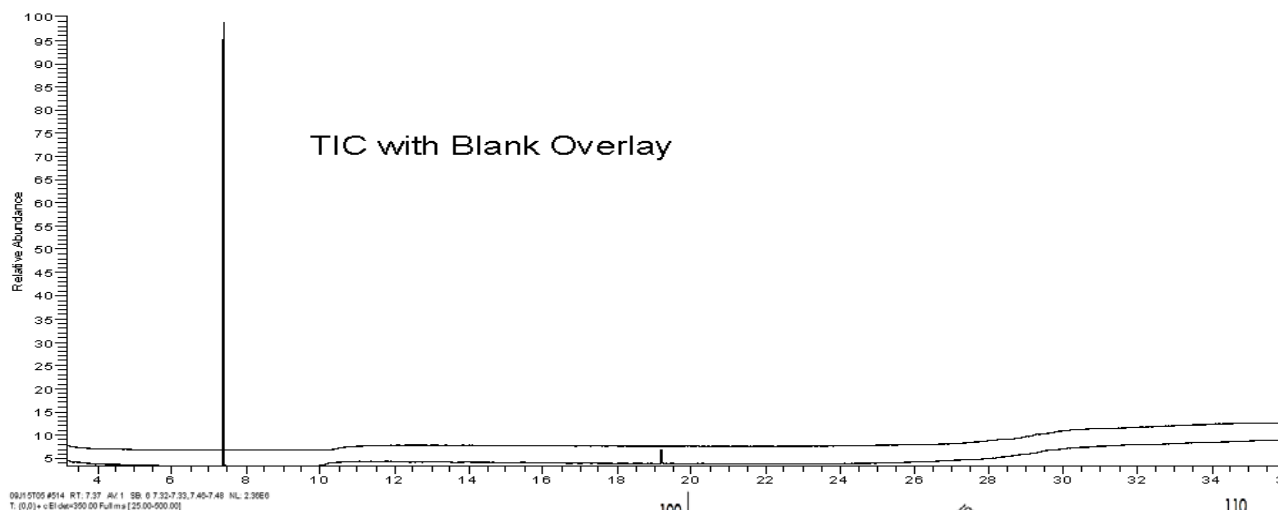
### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Thiophenol	7.38	96.95
unknown	19.19	3.05

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- $\mu$ 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 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Split (100:1)
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0f, build 10/08/2008



09/10/09 05:14 RT: 7.37 AU: 1 SB: 0.732-7.37.40-7.48 NL: 2.30E6  
T: (0.0) x (0.0) x (0.0) FullTime [25.00-000.00]

