

### Chemical Information:

Name: 4-Hydroxyazobenzene (p-Phenylazophenol)  
 CAS No.: 1689-82-3 Supplier: Sigma Aldrich  
 Tox21\_ID No.: Tox21\_202968 Lot No.: 04318EIV  
 NTP\_CID No.: 6594 MW: 198.22 g/mol

Date of Analysis: 16 March 2017

### Purity and Identity Results:

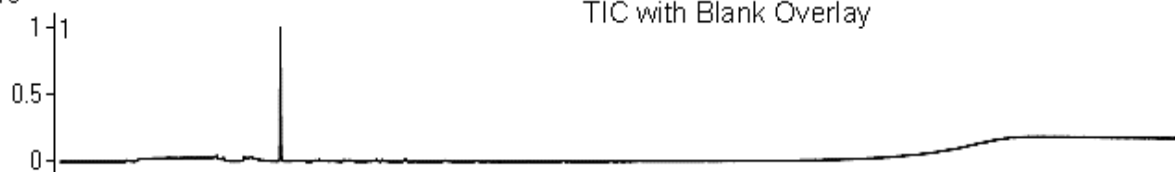
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
4-Hydroxyazobenzene	26.69	99.59

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

### GC/MS Instrument Parameters:

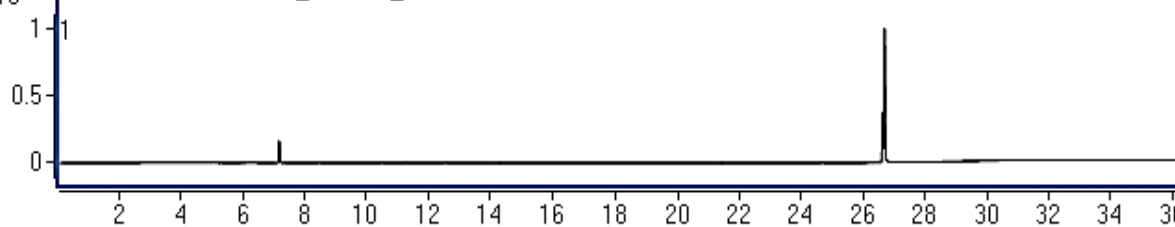
Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Methanol
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- $\mu$ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	40 – 655 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2 Build 2014

x10<sup>2</sup> + TIC Scan 20170316\_MSD11\_006.D



TIC with Blank Overlay

x10<sup>2</sup> + TIC Scan 20170316\_MSD11\_012.D



x10<sup>6</sup> Phenol, 4-(phenylazo)-: Scan (rt: 26.645, 26.652, 26.659, 26.666 ... min, 11 scans) 20170316...

