

### Chemical Information:

Name: 4,4'-Sulfonyldianiline (Dapsone)  
CAS No.: 80-08-0 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_201347 Lot No.: 01903TH  
NTP\_CID No.: 681 MW: 248.30 g/mol

Date of Analysis: 14 June 2016

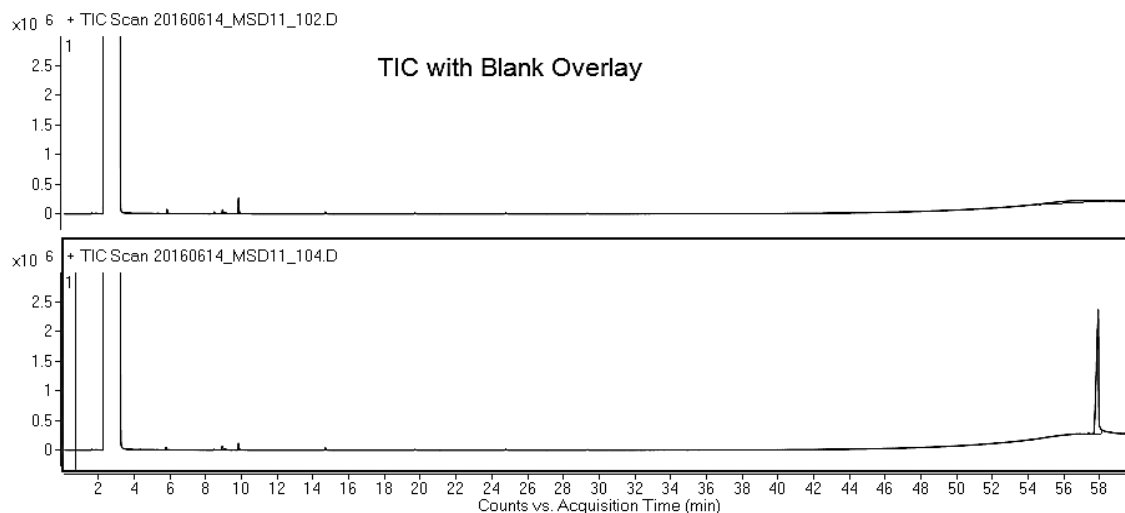
### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
4,4'-Sulfonyldianiline (Dapsone)	36.29	99.30

<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	Acetone
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- $\mu$ m film thickness
Carrier Gas	Helium at 2.0 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 550 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Split (100:1)
Data Analysis Software	MSD ChemStation, ver F.01.01.2317, NIST Library ver 2.2f, build Dec 2014



Unknown: Dapsone: + Scan (rt: 57.709, 57.715, 57.721, 57.727 ... min, 43 scans) 20160614\_MSD11\_104.D Subtrac  
Compound in Library Factor = 102

Hit 1: Dapsone  
C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>S; MF: 880; RMF: 914; Prob 47.0%; CAS: 80-08-0; Lib: replib; ID: 14764.

