

# Chemical Information:

Name: m-Toluidine hydrochloride  
 CAS No.: 638-03-9  
 Tox21\_ID No.: Tox21\_200215  
 NTP\_CID No.: 4791

Date of Analysis: 17 July 2015

Supplier: TCI America  
 Lot No.: FHI01  
 MW: 143.61 g/mol

# Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Ethanol	1.50	Not applicable
Unknown	4.10	1.17
<sup>b</sup> m-Toluidine hydrochloride	14.15	98.39

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

<sup>b</sup> m-Toluidine identified by GC/MS.

# GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph / Mass Spectrometer / Electron Impact
Solvent	Ethanol (~ 400 µg/mL)
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1-µm film thickness
Carrier Gas	Helium at 2 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 320°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 600 amu
Injector Temperature	250°C
Injection Volume / Mode	1 µL / Split (10:1)
Run Time	59 minutes
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / Chemstation Enhanced Data Analysis F.01.01.2317 / NIST Library Version 2.2 Build 2014

