

Chemical Information:

Name: m-Phenylenediamine.2HCl
CAS No.: 541-69-5 Supplier: Alfa Aesar
Tox21_ID No.: Tox21_200734 Lot No.: B6277B
NTP_CID No.: 4649 MW: 181.06 g/mol

Date of Analysis: 07 August 2015

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Unknown	4.09	1.87
m-Phenylenediamine.2HCl ^b	20.52	98.13

^a Peaks comprising $\geq 0.5\%$ of total area.

^b HCl not detected on GC/MS

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- μ m film thickness
Carrier Gas	Helium at 2.0 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 320°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Splitless
Run Time	59.0 minutes
Data Analysis Software	MSD ChemStation, ver D.03.00.611, NIST Library ver 2.0d, build Dec 2005

