

### Chemical Information:

Name: m-Xylene

CAS No.: 108-38-3

Tox21\_ID No.: Tox21\_202056

NTP\_CID No.: 996

Supplier: Sigma-Aldrich

Lot No.: 03055HC

MW: 106.17 g/mol

Date of Analysis: 29 October 2009

### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
m-Xylene	6.32	99.38

<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane (~ 1 mg/mL)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm 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	230°C
Auxiliary Temperature	150°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (100:1)
Data Analysis Software	MSD ChemStation, v D.03.00.SP1; NIST Library v 2.0f, build 10/08/2008

