

### Chemical Information:

Name: Tripropylene glycol  
 CAS No.: 24800-44-0  
 Tox21\_ID No.: Tox21\_202104  
 NTP\_CID No.: 3243  
 Supplier: Sigma Aldrich  
 Lot No.: 16117TO  
 MW: 192.25 g/mol

Date of Analysis: 03 November 2016

### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>	Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
24800-44-0	22.63	1.53	24800-44-0	23.21	7.03
24800-44-0	22.79	1.01	24800-44-0	23.34	11.24
24800-44-0	22.94	13.71	24800-44-0	23.45	18.07
24800-44-0	23.07	21.19	24800-44-0	23.60	11.94
24800-44-0	23.14	6.83	24800-44-0	23.98	7.02

<sup>a</sup> Multiple components, identified as isomers of tripropylene glycol, CAS# 24800-44-0; total = 99.57%.

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

Note: Per CoA, mixture of isomers.

### 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-μm film thickness
Carrier Gas	Helium at 1.5 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 470 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / 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

