

Chemical Information:

Name: 1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester
CAS No.: 85-69-8 Supplier: Chem Service
Tox21_ID No.: Tox21_200061 Lot No.: 429-26A
NTP_CID No.: 2561 MW: 334.45 g/mol

Date of Analysis: 15 April 2010

Purity and Identity Results:

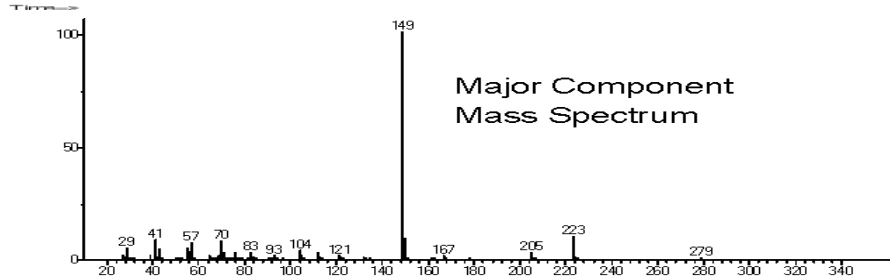
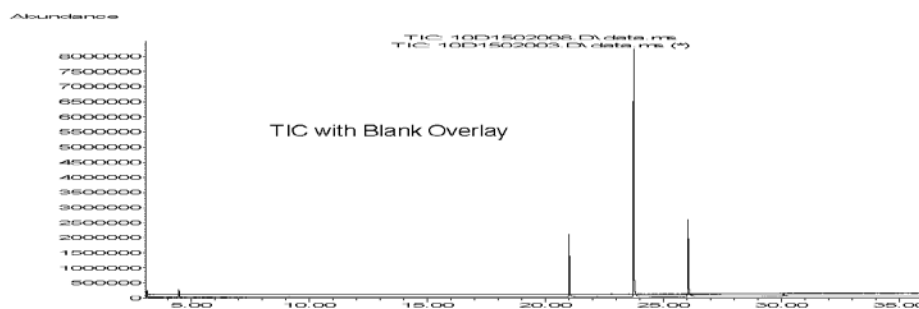
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
unknown	4.48	1.70
Dibutyl phthalate (CAS# 84-74-2)	21.02	14.76
1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester (CAS# 85-69-8)	23.75	60.14
1,2-Benzenedicarboxylic acid, diisooctyl ester (CAS# 27554-26-3)	26.05	23.40

^a Peaks comprising ≥ 0.5% of total area.

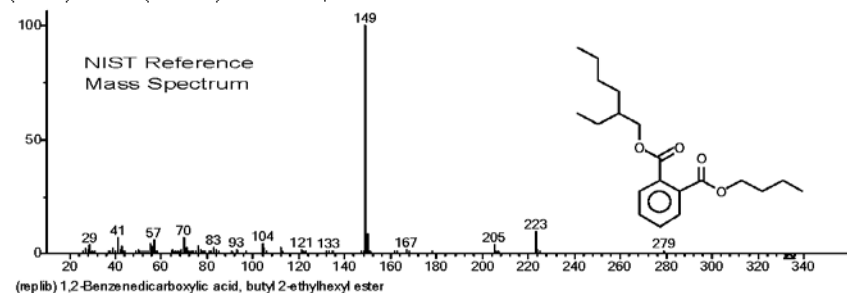
Note: Consistent with CoA: TECHNICAL%, with three components; 21.19%, 53.80%, and 22.06%.

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	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (100:1)
Data Analysis Software	MSD ChemStation v E.02.00.SP2, and NIST Library v 2.0, build 7/23/2008



(Text File) Scan 3787 (23.746 min): 1001502008.D\data.ms



(ref lib) 1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester