

Chemical Information:

Name: 4-Nitrophthalic anhydride
CAS No.: 5466-84-2 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_200328 Lot No.: 06106MC
NTP_CID No.: 390 MW: 193.11 g/mol

Date of Analysis: 24 February 2009

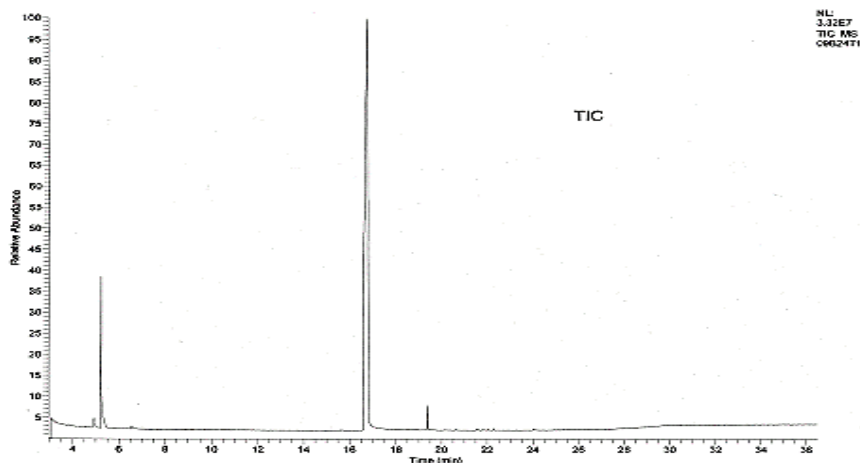
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Acetone	5.24	Not applicable
4-Nitrophthalic anhydride	16.82	98.96
unknown	19.40	1.04

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone (~ 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	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (10:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008



06024713#1633 RT: 16.81 AV: 1 SB: 2 16.57, 16.89 NL: 3.31E5
T: (0.0) + e El det=350.00 Full ms [25.00-350.00]

