

Chemical Information:

Name: m-Nitrobenzoyl chloride-
CAS No.: 121-90-4 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_201094 Lot No.: 13419CJ
NTP_CID No.: 980 MW: 185.56 g/mol

Date of Analysis: 13 August 2015

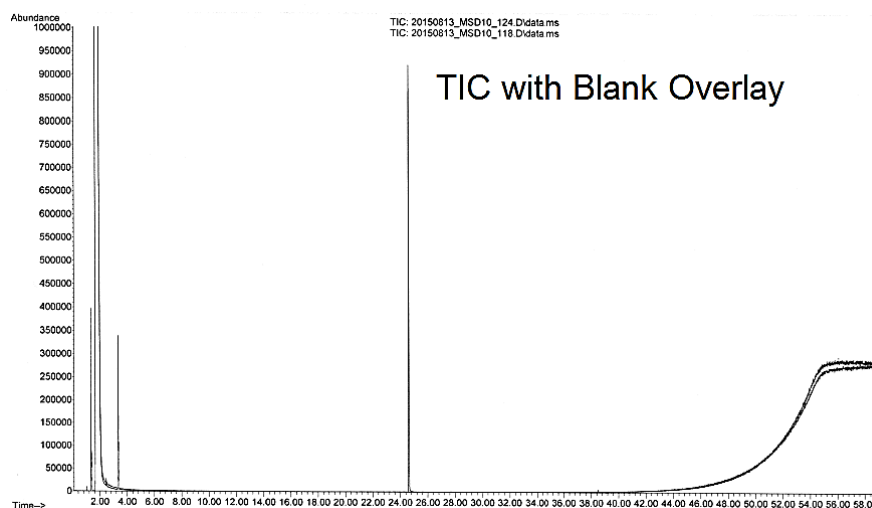
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
m-Nitrobenzoyl chloride-	24.61	99.41
Unknown	38.50	0.59

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

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
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 – 550 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Splitless
Data Analysis Software	MSD ChemStation, ver D.03.00.611, NIST Library ver 2.0d, build Dec 2005



Unknown: Scan 4207 (24.609 min): 20150813_MSD10_124.D\data.ms
Compound in Library Factor = 133

Hit 1: Benzoyl chloride, 3-nitro-
C₇H₄ClNO₃; MF: 925; RMF: 925; Prob 56.8%; CAS: 121-90-4; Lib: replib; ID: 23595.

