

### Chemical Information:

Name: 2-Fluorobenzoyl chloride  
 CAS No.: 393-52-2 Supplier: Sigma-Aldrich  
 Tox21\_ID No.: Tox21\_200637 Lot No.: 09918KC  
 NTP\_CID No.: 251 MW: 158.56 g/mol

Date of Analysis: 13 March 2009

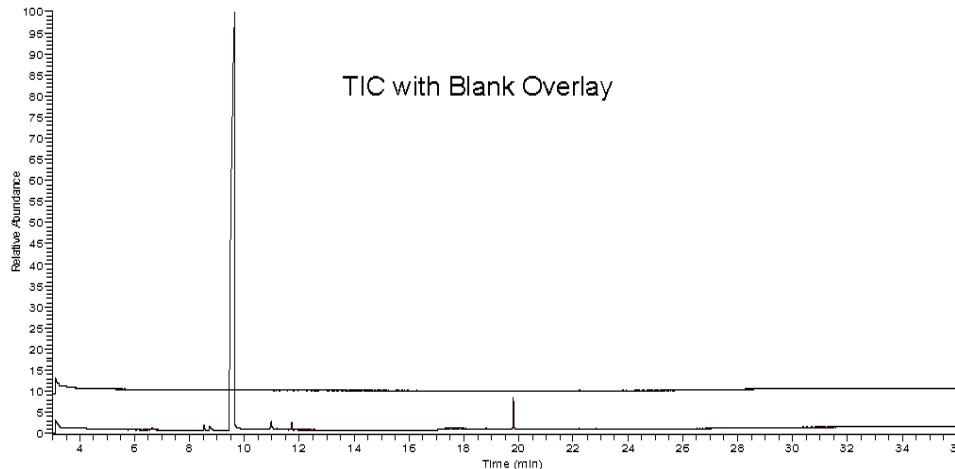
### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
2-Fluorobenzoyl chloride	9.65	96.28
unknown	10.99	0.94
unknown	19.82	1.44

<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	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Splitless
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008



00013110#774 RT: 9.65 AU: 1 SB: 3.01, 9.74 NL: 3.0866  
 T: (0.0) = v E: 0.000000.00 Full ms (25.00-350.00)

