

Chemical Information:

Name: Ibuprofen
CAS No.: 15687-27-1
Tox21_ID No.: Tox21_201384
NTP_CID No.: 4377

Supplier: Sigma-Aldrich
Lot No.: 026H1368
MW: 206.28 g/mol

Date of Analysis: 29 June 2016

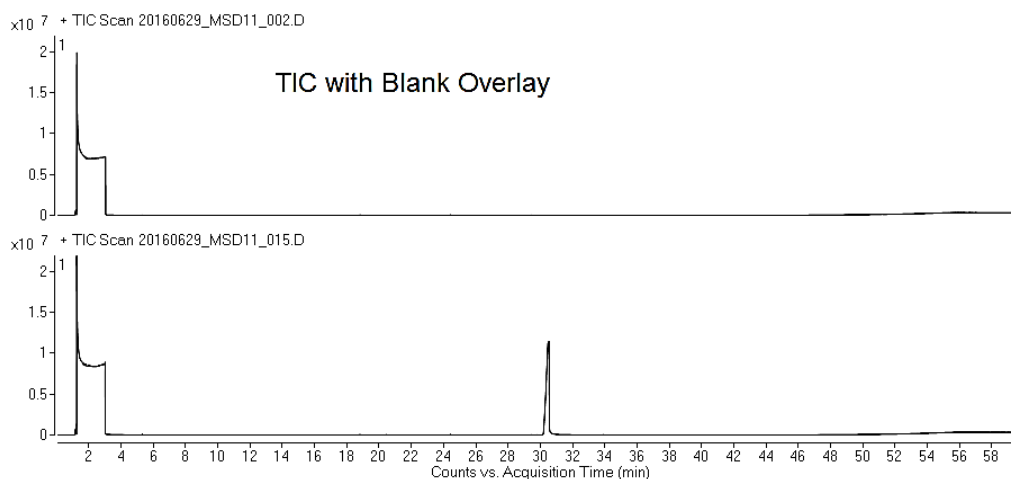
Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|---------------|----------------------|------------------------------------|
| Ibuprofen | 30.52 | 98.82 |

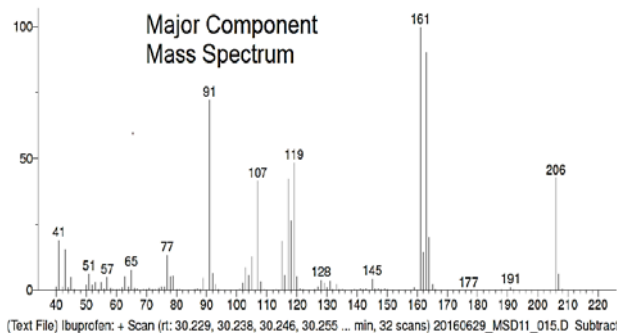
^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

| | |
|-------------------------|--|
| Instrument / Ionization | Gas Chromatograph with Mass Spectrometer / Electron Impact |
| Solvent | Ethanol |
| 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 2 min; ramp @ 5°C/min to 315°C, hold 5 min |
| Source Temperature | 230°C |
| Auxiliary Temperature | 250°C |
| Scan Range | 40 – 800 amu |
| Injector Temperature | 250°C |
| Injection Volume / Mode | 1 μ L / 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 |



Unknown: InLib=775



Hit 1: Ibuprofen
C₁₃H₁₈O₂; MF: 937; RMF: 937; Prob 54.4%; CAS: 15687-27-1; Lib: replib; ID: 21268.

