

Chemical Information:

Name: 2-Nitro- α,α,α -trifluorotoluene
CAS No.: 384-22-5 Supplier: Sigma Aldrich
Tox21_ID No.: Tox21_201264 Lot No.: LB38055
NTP_CID No.: 5144 MW: 191.11 g/mol

Date of Analysis: 04 October 2016

Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|---|----------------------|------------------------------------|
| Acetone | 2.00 | Not applicable |
| 2-Nitro- α,α,α -trifluorotoluene | 17.05 | 99.86 |

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

GC/MS Instrument Parameters:

| | |
|-------------------------|--|
| Instrument / Ionization | Gas Chromatograph with Mass Spectrometer / Electron Impact |
| Solvent | Acetone (~ 400 $\mu\text{g/mL}$) |
| Column | Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- μm film thickness |
| Carrier Gas | Helium at 1.5 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 – 475 amu |
| Injector Temperature | 250°C |
| Injection Volume / Mode | 1 μL / 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 |

x10⁷ + TIC Scan 20161004_MSD11_003.D



x10⁷ + TIC Scan 20161004_MSD11_028.D

