

Chemical Information:

Name: Benzo(b)fluoranthene
 CAS No.: 205-99-2
 Tox21_ID No.: Tox21_202381
 NTP_CID No.: 521
 Supplier: Sigma-Aldrich
 Lot No.: 07217CJ
 MW: 252.31 g/mol

Date of Analysis: 10 June 2010

Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|----------------------|----------------------|------------------------------------|
| Benzo(b)fluoranthene | 27.97 | 100.00 |

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

| | |
|-------------------------|---|
| Instrument / Ionization | Gas Chromatograph with Mass Spectrometer / Electron Impact |
| Solvent | Dichloromethane |
| 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 300°C, hold 7 min |
| Source Temperature | 230°C |
| Auxiliary Temperature | 250°C |
| Scan Range | 25 – 500 amu |
| Injector Temperature | 250°C |
| Injection Volume / Mode | 1 μL / Split (100:1) |
| Data Analysis Software | MSD Chemstation, v E.02.00.SP2 and NIST Library v 2.0f, build 10/8/2008 |

