

# Chemical Information:

Name: 1,1,2,2-Tetrabromoethane  
CAS No.: 79-27-6  
Tox21\_ID No.: Tox21\_200364  
NTP\_CID No.: 8

Date of Analysis: 19 February 2007

Supplier: Sigma-Aldrich  
Lot No.: 08015JQ  
MW: 345.65 g/mol

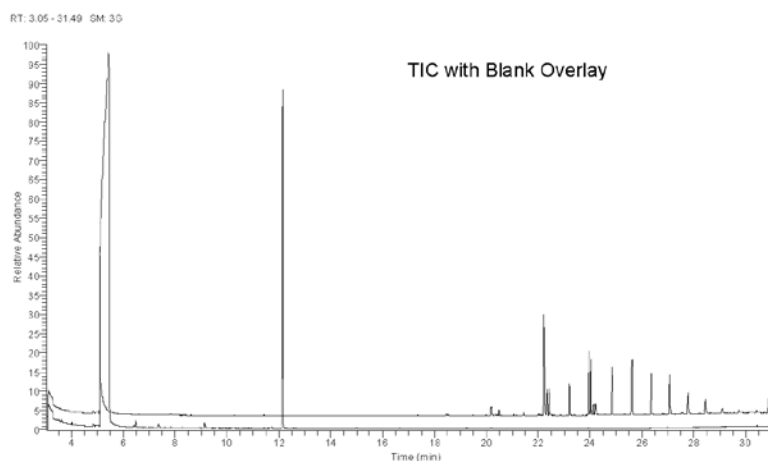
# Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.45	Not applicable
unknown	7.36	1.54
1,1,2,2-Tetrabromoethane	12.15	96.55
unknown	26.97	0.83

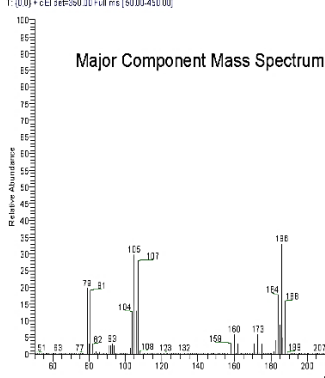
<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

# GC/MS Instrument Parameters:

Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with 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 310°C, hold 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	50 – 450 amu
Injector Temperature	280°C
Injection Volume / Mode	2 μL / Splitless
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999



2701905-81099 RT: 12.15 NL: 2.2268  
T: (0.0) \* cEI pep550 30 Full ms [50.00-450.00]



# NIST Reference Mass Spectrum

