

Chemical Information:

Name: Trixylenyl phosphate mixed isomers
 CAS No.: 25155-23-1 Supplier: Sigma-Aldrich
 Tox21_ID No.: Tox21_201099 Lot No.: 380120/1
 NTP_CID No.: 1386 MW: 410.44 g/mol

Date of Analysis: 06 March 2009

Purity and Identity Results:

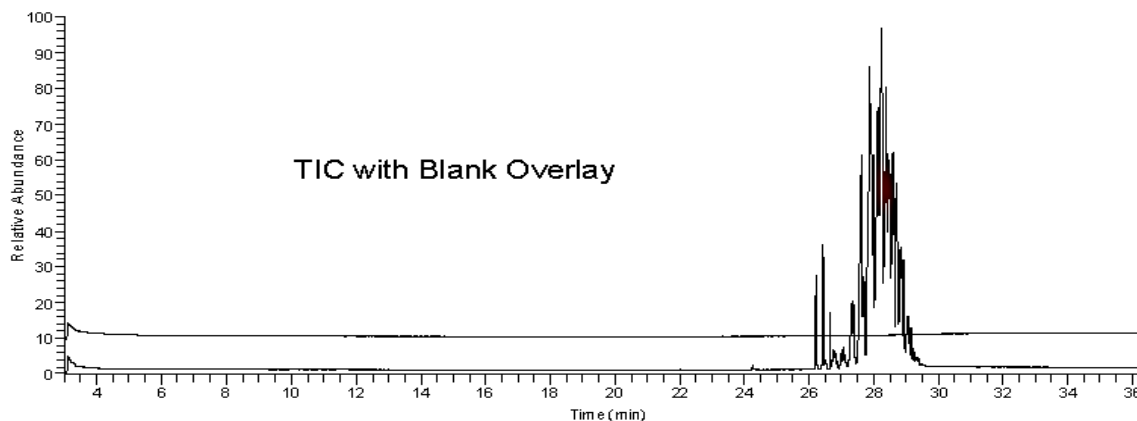
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a	Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
unknown	26.21	1.80	25155-23-1	28.24	21.62
unknown	26.44	2.85	25155-23-1	28.38	14.34
unknown	26.66	0.97	25155-23-1	28.58	5.85
unknown	26.76	1.09	25155-23-1	28.71	5.49
unknown	27.06	1.39	25155-23-1	28.82	3.39
25155-23-1	27.36	4.34	25155-23-1	28.93	1.19
25155-23-1	27.59	5.67	25155-23-1	29.06	1.49
25155-23-1	27.64	3.07	unknown	29.16	0.53
25155-23-1	27.86	24.00			

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

Purity = 90.45% (combined purity of 11 components identified as 25155-23-1).

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- μ m 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 μ L / Splitless
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999



09-0001 #2916 RT: 27.86 Ac 1 99.2 27.74, 28.02 NL: 2.4566
 T: (1.0) * c: 0.194-0.000 Full ms (25.00-450.00)

