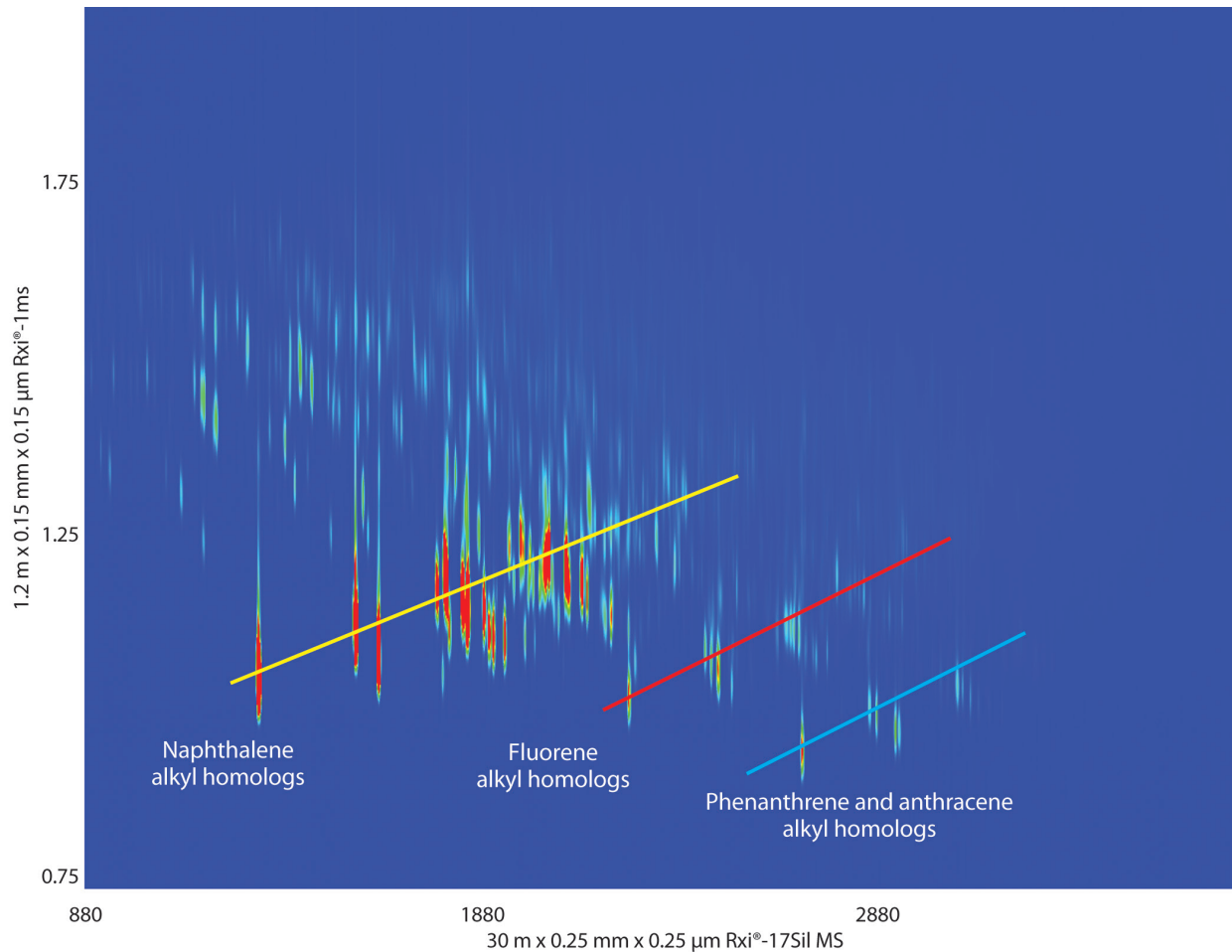


GCxGC Contour Plot of Riser Pipe Oil in 2010 Gulf Oil Spill (Rxi-17Sil MS and Rxi-1ms)



GC_EV1230

Column	Rxi-17Sil MS 30 m, 0.25 mm ID, 0.25 µm (cat.# 14123) Rxi-1ms 1.2 m, 0.15 mm ID, 0.15 µm (cat.# 43800)	Detector	TOFMS
Sample	Methylene chloride	Transfer Line Temp.:	300 °C
Diluent:		Analyzer Type:	TOF
Injection		Source Temp.:	250 °C
Inj. Vol.:	1 µL splitless (hold 1 min.)	Electron Energy:	70 eV
Liner:	Premium 4mm Single Taper w/Wool (cat.# 23303)	Mass Defect:	50 mu/100 u
Inj. Temp.:	250 °C	Solvent Delay Time:	5 min.
Purge Flow:	40 mL/min.	Tune Type:	PFTBA
Oven		Ionization Mode:	El
Oven Temp:	Rxi-17Sil MS: 40 °C (hold 1 min.) to 320 °C at 3.5 °C/min. (hold 4 min.) Rxi-1ms: 45 °C (hold 1 min.) to 325 °C at 3.5 °C/min. (hold 4 min.) He, corrected constant flow (2.2 mL/min.)	Acquisition Range:	45-550 amu
Carrier Gas		Spectral Acquisition Rate:	200 spectra/sec
Modulation		Instrument	LECO Pegasus 4D GCxGC-TOFMS
Modulator Temp. Offset:	20 °C	Notes	Rxi-1ms (cat.# 43800) is a 10 m column. A 1.2 m section was used as the second dimension column.
Second Dimension		Acknowledgement	Dr. Ed Overton, Professor Emeritus at Louisiana State University, for providing the riser pipe oil sample.
Separation Time:	4 sec.		
Hot Pulse Time:	1.4 sec.		
Cool Time between Stages:	0.6 sec.		