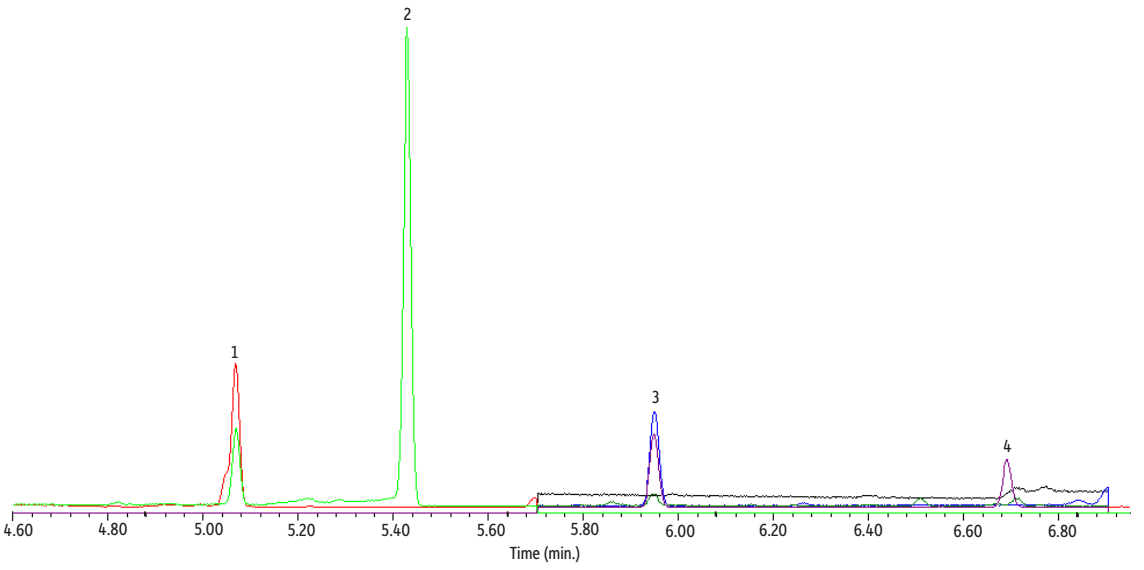
Extracted Reagent Water Blank for 1,4-Dioxane on Rxi-624Sil MS (extracted ion chromatogram)



Peaks	tR (min)	m/z
1. Tetrahydrofuran-d8 (IS)	5.1	46,78
2. Co-extracted material	-	78
3. 1,4-Dioxane-d8 (SS)	5.95	96,64
4. Co-extracted material	-	64

Column	Rxi-624Sil MS, 30 m, 0.25 mm ID, 1.40 µm (cat.# 13868) using Rxi guard column 5 m, 0.25 mm ID (cat.# 10029) with Universal Press-Tight connectors (cat.# 20429)
Standard/Sample	Tetrahydrofuran-d8 (cat.# 30112) 1,4-Dioxane-d8 (cat.# 30614)
Diluent:	Dichloromethane
Conc.:	10 pg/µL in extract
Injection	
Inj. Vol.:	10 µL splitless (hold 1 min)
Liner:	Premium 4 mm single taper w/wool (cat.# 23303)
Inj. Temp.:	120 °C
Purge Flow:	80 mL/min
Oven	
Oven Temp.:	35 °C (hold 1 min) to 120 °C at 12 °C/min (hold 1 min)
Carrier Gas	He, constant flow
Flow Rate:	1.4 mL/min
Linear Velocity:	30.556 cm/sec @ 35 °C
Detector	MS
Mode:	SIM
SIM Program:	

Time (min)	Flow (mL/min)	Ion(s) (m/z)	Dwell (ms)
1	5.0	46,78,80	50
2	5.85	96,88,64,62,58	40

Transfer Line Temp.:	280 °C
Analyzer Type:	Quadrupole
Source Temp.:	230 °C
Quad Temp.:	150 °C
Solvent Delay Time:	5.0 min
Tune Type:	BFB
Ionization Mode:	EI
Instrument	Agilent 7890A GC & 5975C MSD
Sample Preparation	A reagent water blank was extracted using a Resprep activated coconut charcoal SPE cartridge (cat.# 26032) following EPA Method 522 protocol. Immediately after solvent elution, the extract was spiked with 20 µL of internal standard and brought up to 10 mL final volume (10 pg/µL in the extract). The extract was then dried with anhydrous magnesium sulfate (this was a deviation from the method, which calls for sodium sulfate).