

## Phthalates in Foods by LC/MS /MS on Synergi Polar-RP 2.5µm, 100x2.0 mm

**Column:** Synergi™ 2.5 µm Polar-RP 100 Å, LC Column 100 x 2 mm, Ea

**Dimensions:** 100 x 2 mm ID

**Order No:** 00D-4371-B0

**Elution Type:** Gradient

**Eluent A:** 0.1% Formic acid in water

**Eluent B:** 0.1% Formic acid in 50:50 Acetonitrile: Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	60	40
	2	1	50	50
	3	6	50	50
	4	11	15	85
	5	14	15	85
	6	14.1	60	40
	7	19	60	40



**Flow Rate:** 0.4 mL/min

**Col. Temp.:** ambient

**Detection:** Mass Spectrometer (MS) @ amu (ambient)

**Detector Info:**

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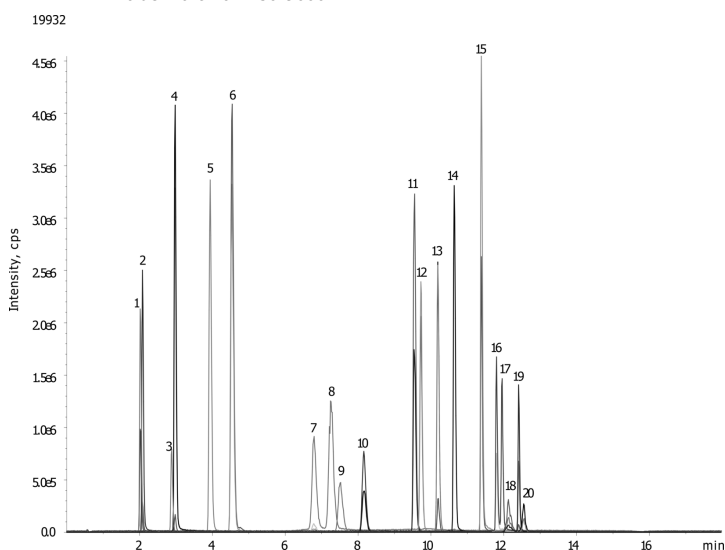
**Analyst Note:**

href="https://sciex.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&utm\_source=phenomenex&utm\_medium=referral">SCIEX<

SecurityGuard™ ULTRA Guard Cartridge System extends column lifetime.

- SecurityGuard ULTRA Cartridges, UHPLC Phenyl for 2.1mm ID Columns, 3/Pk Part No.: AJ0-8788

- Holder Part No.: AJ0-9000



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### ANALYTES:

- 1 bis(2-Methoxyethyl)phthalate
- 2 Dimethyl phthalate
- 3 bis(2-Ethoxyethyl)phthalate
- 4 Diethyl phthalate
- 5 Diallyl phthalate
- 6 Di-n-propyl phthalate
- 7 Diisobutyl phthalate
- 8 Di-n-butyl phthalate
- 9 bis(2-n-Butoxyethyl)phthalate
- 10 Dibenzylbutyl phthalate
- 11 Dipentyl phthalate
- 12 Dicyclohexyl phthalate
- 13 Di-4-methyl-2-pentyl phthalate
- 14 Dihexyl phthalate
- 15 Diheptyl phthalate
- 16 bis(2-Ethylhexyl)phthalate
- 17 Di-n-octyl phthalate
- 18 Diisononyl phthalate
- 19 Di-n-nonyl phthalate
- 20 Diisodecyl phthalate

