

[LC-MS/MS EPA 500 SERIES ANALYTICAL METHODS FOR DRINKING WATER]

Compounds	EPA Method	Equipment	Sample Preparation	Chemistry
Chloracetanilide and Other Acetamide Herbicide Degradates	535, Rev 1.1	ACQUITY™ UPLC™, MassLynx™ MS Software, Quattro micro™*	6 mL 500 mg Nonporous Graphitized Carbon	XSelect™ HSS T3, 100Å, 5 µm, 4.6 x 250 mm (p/n 186004793), or Spherisorb™ ODSB, 80Å, 5 µm, 4.6 x 250 mm (p/n PSS839615) with Endfitting (p/n PSS614100 – required)
Perfluorinated Alkyl Acids	537, Rev 1.1	ACQUITY UPLC, MassLynx MS Software, Quattro Premier™*	Sep-Pak™ PS2, 6 cc, 500 mg, 80 µm (p/n WAT200610)	Atlantis™ dc18, 100Å, 5 µm, 2.1 x 150 mm (p/n 186001301)
Organic Chemicals	538	ACQUITY UPLC, MassLynx MS Software, Quattro Premier*	Direct Injection	Atlantis T3 C18, 100Å, 5 µm, 2.1 x 150 mm (p/n 186003736)
Hormones	539	ACQUITY UPLC, MassLynx MS Software, Xevo™ TQD	47 mm Disk, C18	XTerra™ MS C18, 125Å, 3.5 µm, 2.1 x 150 mm (p/n 186000408)
Organic Chemicals	540	ACQUITY UPLC, MassLynx MS Software, Quattro Premier*	Oasis™ HLB, 6 cc, 150 mg, 30 µm (p/n 186003365)	XSelect HSS T3, 100Å, 5 µm, 2.1 x 100 mm (p/n 186006474)
Pharmaceuticals and Personal Care Products	542	ACQUITY UPLC, MassLynx MS Software, Xevo TQD	Oasis HLB, 6 cc, 200 mg, 30 µm (p/n WAT106202)	XTerra MS C18, 125Å, 3.5 µm, 2.1 x 150 mm (p/n 186000408)
Organic Chemicals	543	ACQUITY UPLC with On-Line SPE, MassLynx MS Software, Xevo TQ MS*	Oasis HLB Direct Connect HP, 20 µm, 2.1 x 30 mm (p/n 186005231)	ACQUITY UPLC HSS T3, 100Å, 1.8 µm, 2.1 x 50 mm (p/n 186003538)
Microcystins, Nodularin	544	ACQUITY UPLC, MassLynx MS Software, Xevo TQ MS*	Oasis HLB, 6 cc, 150 mg, 30 µm (p/n 186003365)	CORTECS™ C8, 90Å, 2.7 µm, 2.1 x 100 mm (p/n 186008351)
Cylindrospermopsin, Anatoxin-A	545	ACQUITY UPLC, MassLynx MS Software, Quattro Premier*	13 mm 0.2 µm PVDF filter (p/n WAT200806)	XSelect HSS T3, 100Å, 3.5 µm, 2.1 x 150 mm (p/n 186006466)

*PLEASE NOTE: Quattro micro has been replaced with the Xevo TQD.
Quattro Premier and Xevo TQ MS have been replaced with the Xevo TQ-S micro.

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