



EPA 500 Series

Sample Prep Methods for Drinking Water



| EPA METHOD | TARGET COMPOUNDS | SAMPLE PREP OPTIONS |
|------------|---|---|
| 506 | Phthalate and Adipate Esters | ECUNIC18 (1100 mg C18 in a 83 mL Universal cartridge) EEC181M6G (1000 mg C18, 6 mL glass cartridge) <i>Optional:</i> ECSS15M6 (ENVIRO-CLEAN® Sodium Sulfate Drying Cartridge 5g/6mL) EUFLS12M15 (FLORISIL PR® Clean-up Cartridge, 2g/15 mL) EUALN1M6 (Alumina Clean-up Cartridge, 1g/6 mL) ENVIRO-CLEAN® Zero-Blank™ filter cartridge |
| 508.1 | Chlorinated Pesticides, Herbicides, and Organohalides | CEC18156 (CLEAN UP® endcapped C18, 500 mg/6mL) ECSS15M6 (ENVIRO-CLEAN® Sodium Sulfate Drying Cartridge, 5g/6mL) |
| 521 | Nitrosamines | EU52112M6 (ENVIRO-CLEAN® 521 Activated Coconut Carbon, 2g/6mL) ECSS15M6 (ENVIRO-CLEAN® Sodium Sulfate Drying Cartridge, 5g/6mL) |
| 522 | 1,4-Dioxane | EU52112M6 (ENVIRO-CLEAN® 521 Activated Coconut Carbon, 2g/6mL) |
| 523 | Triazine Pesticides | EC5232506 (ENVIRO-CLEAN® Graphitized Carbon Black, 250 mg/6 mL) |
| 525.2 | Pesticides, Polynuclear Aromatic Hydrocarbons, PCBs, Phthalates, Adipates and other drinking water pollutants | ECUNI525 (1500 mg 525 C18, 83 mL Universal cartridge) EC525006-P (1500 mg 525 C18, 6 mL cartridge, PE Frit) |
| 525.3 | Updated list of Pesticides, Polynuclear Aromatic Hydrocarbons, PCBs, Phthalates, Adipates and other drinking water pollutants | ECUNI525 (1500 mg 525 C18, 83 mL Universal cartridge) |
| 528 | Phenols | ECHLD156-P (ENVIRO-CLEAN® HL DVB, 500mg/6mL Cartridge) ECSS15M6 (ENVIRO-CLEAN® Sodium Sulfate Drying Cartridge, 5g/6mL) |
| 529 | Explosives | ECHLD156-P (ENVIRO-CLEAN® HL DVB, 500mg/6mL Cartridge) ECSS15M6 (ENVIRO-CLEAN® Sodium Sulfate Drying Cartridge, 5g/6mL) |
| 530 | Semivolatile Organic Chemicals | ECHLD156-P (ENVIRO-CLEAN® HL DVB, 500mg/6mL Cartridge) ECSS25K (ACS Grade Anhydrous Sodium Sulfate, Granular 60 Mesh) RFV1F15P (15 mL reservoirs with 1 frit, 10 micron porosity) |

| EPA METHOD | TARGET COMPOUNDS | SAMPLE PREP OPTIONS |
|--------------|---|--|
| 532 | Phenylurea Compounds | EUC18156 (ENVIRO-CLEAN® unendcapped C18, 500 mg/6 mL) |
| 535 | Chloroacetanilide and Other Acetamide Herbicide Degradates | EC535156 (Graphitized Carbon Black, 90 m ² /g, 500 mg/6 mL) |
| 533 | PFAS | ECWAX126-P (ENVIRO-CLEAN® WAX 200 mg, 6 mL cartridge, PE frits) ECWAX156-P (ENVIRO-CLEAN® WAX 500 mg, 6 mL cartridge, PE frits) |
| 537 537.1 | PFAS | ECDVB156P (ENVIRO-CLEAN® DVB, 500 mg/6 mL cartridge, PE Frit) ECHLD156-P (ENVIRO-CLEAN® HL DVB, 500 mg/6 mL cartridge, PE Frit) |
| 538 | Selected Organic Contaminants (Direct Injection Method) | SLAQ100ID21-3UM (SELECTRA® Aqueous C18 HPLC Column, 100 x 2.1, 3µm) SLAQGDC20-3UM (SELECTRA® Aqueous C18 Guard Column, 10 x 2.0mm, 3µm) SLGRDHLDR (SELECTRA® Guard Holder) |
| 541 | Small Polar Organic Compounds | EU541163 (ENVIRO-CLEAN® Activated Carbon, 600 mg/3 mL) |
| 544 | Microcystins and Nodularin | ECHLD(150)6-P (ENVIRO-CLEAN® HL DVB, 150 mg/6 mL cartridge) |
| 545 | Cylindrospermopsin and Anatoxin-a (Direct Injection Method) | SLAQ100ID21-3UM (SELECTRA® Aqueous C18 HPLC Column, 100 x 2.1, 3µm) SLAQGDC20-3UM (SELECTRA® Aqueous C18 Guard Column, 10 x 2.0mm, 3µm) SLGRDHLDR (SELECTRA® Guard Holder) |
| 548.1 | Endothall | EC548006 (BIO-REX® 5 - Per EPA Method, 6 mL) |
| 549.2 | Diquat and Paraquat | EEC08156 (ENVIRO-CLEAN® C8, 500mg/6 mL cartridge) ECUNI549 (ENVIRO-CLEAN® C8, 500 mg/83 mL Universal cartridge) |
| 550.1 | Polycyclic Aromatic Hydrocarbons | ECUNIPAH (ENVIRO-CLEAN® unendcapped C18, 2g/83 mL Universal cartridge) ECSS25K (ACS Grade Anhydrous Sodium Sulfate, Granular 60 Mesh) |
| 552.1 | Haloacetic Acids and Dalapon | EUQAX156 (Quaternary Amine with Cl counter-ion, 500 mg/6 mL) ECSS25K (ACS Grade Anhydrous Sodium Sulfate, Granular 60 Mesh) RFV0075P (75 mL Empty Reservoir) |
| 553 | Benzidines and Nitrogen-Containing Pesticides | ECDVB156P (Enviro-Clean® DVB, 500 mg/6 mL cartridge, PE Frit) ECHLD156-P (Enviro-Clean® HL DVB, 500 mg/6 mL cartridge, PE Frit) ECUNIDVB500 (Enviro-Clean® DVB, 500 mg/83 mL Universal cartridge) |



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