Water Sciences Laboratory Analyte/Protocol Price List 2024



Environmental:: Biological

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Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
Nitrapyrin (Plants) Protocol ID: 06_18_06 Sample Container: 125 mL wide mouth amber glass bottle Sample Size: 50 gm Preservation: Frozen Holding Time: 30 Days Estimated Turnaround Time: 6-8 Weeks	Butylate EPTC Nitrapyrin	0.05 ng/g 0.05 ng/g 0.05 ng/g	\$138.60	\$110.88
Glyphosate/AMPA (Plants) Protocol ID: 19_06_06 Sample Container: 125 mL wide mouth amber glass bottle Sample Size: 50 gm Preservation: Frozen Holding Time: 30 Days Estimated Turnaround Time: 6-8 Weeks References: Zhong-Xian, G.; Qiantao, C.; Zhaoguang, Y (2005), "Determination of glyphosate and phosphate in water by ion chromatography - inductively coupled plasma mass spectrometry detection", <i>J. Chromatogr. A</i> 1100, 160-167. Marek, L. J.; Koskinen, W. C. (2014), "Simplified analysis of glyphosate and aminomethylphosphonic acid in water, vegetation and soil by liquid chromatography-tandem mass spectrometry", <i>Pest Manag Sci</i> 70, 1158-1164. "Method developed internally at WSL",	AMPA Glufosinate Glyphosate Inorganic P	Pending Pending Pending Pending	\$130.00	\$104.00

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
Municipal Wastewater/Illicit Compounds (Plants) Protocol ID: 20_01_06 Sample Container: Paper bag for plants or 125 mL glass amber bottle for other types Sample Size: 4 gm Preservation: Cool, < 6°C Holding Time: 30 Days Estimated Turnaround Time: 6-8 Weeks	1,7-Dimethylxanthine Acetaminophen Amphetamine Azithromycin Carbamazepine Cotinine Diphenhydramine Hydrocodone MDA MDA Metaxalone Methadone Methamphetamine Morphine Oxycodone Phenazone Sulfachloropyridazine Sulfamethoxazole Temazepam Thiabendazole Trimethoprim	0.2 ng/g	\$231.00	\$184.80
Neonicotinoid/Strobularin Pesticides (Plants) Protocol ID: 20_02_06 Sample Container: Paper bag for plants or 125 mL glass amber bottle for other types Sample Size: 5 gm Preservation: Frozen Holding Time: 60 Days Estimated Turnaround Time: 6-8 Weeks Reference: Magalhaes, L. C.; Hunt, T. E.; Siegfried, B. D. (2009), "Efficacy of Neonicotinoid Seed Treatments to Reduce Soybean Aphid Populations Under Field and Controlled Conditions in Nebraska", J. Econ. Entomol. 102(1), 187-195.	6-Chloronicotinic acid 6-Chloronicotinic aldehyde 6-Chloro-N-methylnicotinamide Acetamiprid Azoxystrobin Clothianidin Dimethoate Dinotefuran Imidacloprid Imidacloprid desnitro Imidacloprid olefin Imidacloprid urea Indoxacarb Metalaxyl Picoxystrobin Pyraclostrobin	0.5 ng/g 0.5 ng/g 0.06 ng/g 0.04 ng/g 0.08 ng/g 0.09 ng/g 0.08 ng/g 0.08 ng/g 0.05 ng/g 0.05 ng/g 0.5 ng/g 0.5 ng/g 0.5 ng/g 0.5 ng/g 0.60 ng/g 0.06 ng/g 0.06 ng/g 0.009 ng/g	\$288.80	\$231.04

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
	Sulfoxaflor Thiacloprid Thiamethoxam Thiamethoxam urea Trifloxystrobin	0.07 ng/g 0.04 ng/g 0.03 ng/g 0.10 ng/g 0.07 ng/g		
Perfluoronated Acids (PFAS) EPA 537.1 (Plants) Protocol ID: 20_08_06	11CI-PF3OUdS 9CI-PF3ONS ADONA HFPO-DA NEtFOSAA NMeFOSAA PFBS PFDA PFDoA PFHpA PFHxA PFHxS PFNA PFOA PFOA PFOA PFOS PFTA PFTTDA PFUnA	7 ng/g 6 ng/g 4 ng/g 7 ng/g 2 ng/g 8 ng/g 3 ng/g 7 ng/g 10 ng/g 7 ng/g 4 ng/g 5 ng/g 3 ng/g 5 ng/g 6 ng/g 8 ng/g 8 ng/g 9 ng/g 9 ng/g	\$288.80	\$231.04
Azole Fungicides and Abamectin (Plants) Protocol ID: 20_09_06 Sample Container: Paper bag for plants or 125 mL glass amber bottle for other types Sample Size: 5 gm Preservation: Frozen Holding Time: 60 Days Estimated Turnaround Time: 6-8 Weeks	Abamectin NH4 Brassinazole Cyproconazole Desthio-Prothioconazole Difenoconazole Fluconazole Ipconazole Isavuconazole Itraconazole Metconazole Posaconazole Propiconazole Prothioconazole Tebuconazole Thiabendazole	Pending	\$288.80	\$231.04

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
Hormone Conjugates (Serum) Protocol ID: 20_10_14 Sample Container: 2 mL GC Vial Sample Size: 2 mL Preservation: Frozen Holding Time: 30 Days Estimated Turnaround Time: 6-8 Weeks	Estradiol sulfate Pregnenolone sulfate Testosterone glucuronide Testosterone sulfate	3 μg/L 6 μg/L 0.7 μg/L 3 μg/L	\$231.00	\$184.80
Hormone Conjugates (Urine) Protocol ID: 20_10_15 Sample Container: 125 mL wide mouth amber glass bottle Sample Size: 50 mL Preservation: Frozen Holding Time: 30 Days Estimated Turnaround Time: 2-3 Weeks	Estradiol sulfate Pregnenolone sulfate Testosterone glucuronide Testosterone sulfate	12 μg/L 11 μg/L 13 μg/L 14 μg/L	\$231.00	\$184.80
EPA 1694 Group 1 (Human Usage) (Plants) Protocol ID: 20_11_06 Sample Container: Paper bag for plants or 125 mL glass amber bottle for other types Sample Size: 5 gm Preservation: Frozen Holding Time: 60 Days Estimated Turnaround Time: 6-8 Weeks Reference: (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".	1,7-Dimethylxanthine Acetaminophen Ampicillin Azithromycin Caffeine Carbamazepine Ciprofloxacin Clarithromycin Clinafloxacin Codeine Cotinine Danofloxacin Dehydronifedipine Digoxigenin Digoxin Diltiazem Diphenhydramine Enrofloxacin Erythromycin Flumequine	Pending	\$283.50	\$226.80

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
	Fluoxetine	Pending		
	Lincomycin	Pending		
	Lomefloxicin	Pending		
	Miconazole	Pending		
	Norfloxacin	Pending		
	Norgestimate	Pending		
	Ofloxacin	Pending		
	Ormetoprim	Pending		
	Oxacillin	Pending		
	Penicillin G	Pending		
	Penicillin V	Pending		
	Penillic Acid	Pending		
	Phenazone	Pending		
	Roxithromycin	Pending		
	Sarafloxacin	Pending		
	Sucralose	Pending		
	Sulfachlorpyridazine	Pending		
	Sulfadiazine	Pending		
	Sulfadimethoxine	Pending		
	Sulfamerazine	Pending		
	Sulfamethazine	Pending		
	Sulfamethiazole	Pending		
	Sulfamethoxazole	Pending		
	Sulfanilamide	Pending		
	Sulfathiazole	Pending		
	Thiabendazole	Pending		
	Trimethoprim	Pending		
EPA 1694 Group 2 (Plants)	Anhydrochlortetracycline (ACTC)	Pending	\$283.50	\$226.80
Protocol ID: 20 12 06	Anhydrotetracycline (ATC)	Pending		
11000001111. 20_12_00	Chlortetracycline (CTC)	Pending		
Sample Container: Paper bag for plants or 125 mL glass amber	Demeclocycline	Pending		
bottle for other types	Doxycycline	Pending		
Sample Size: 5 gm	Epianhydrochlortetracycline (EACTC)	Pending		
Preservation: Frozen	Epichlortetracycline (ECTC)	Pending		
Holding Time: 30 Days	Epioxytetracycline (EOTC)	Pending		
Estimated Turnaround Time: 6-8 Weeks	Epitetracycline	Pending		
Reference:	Isochlortetracycline (ICTC)	Pending		
(2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".	Minocycline	Pending		

Protocol	Analyte Oxytetracycline (OTC) Tetracycline (TC)	Reporting Limit Pending Pending	Protocol Cost	NU Cost (20% discount)
EPA 1694 Group 3 (Plants) Protocol ID: 20_13_06 Sample Container: Paper bag for plants or 125 mL glass amber bottle for other types Sample Size: 5 gm Preservation: Frozen Holding Time: 30 Days Estimated Turnaround Time: 6-8 Weeks Reference: (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".	Gemfibrozil Ibuprofen Naproxen Triclocarban Triclosan Warfarin	Pending Pending Pending Pending Pending Pending	\$283.50	\$226.80
EPA 1694 Group 4 (Plants) Protocol ID: 20_14_06 Sample Container: Paper bag for plants or 125 mL glass amber bottle for other types Sample Size: 5 gm Preservation: Frozen Holding Time: 30 Days Estimated Turnaround Time: 6-8 Weeks Reference: (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".	Albuterol Cimetidine Metformin Ranitidine	Pending Pending Pending Pending	\$283.50	\$226.80
Atrazine Metabolites and Nitrosoatrazine (Plants) Protocol ID: 20_16_06 Sample Container: Paper bag for plants or 125 mL glass amber bottle for other types Sample Size: 5 gm Preservation: Frozen Holding Time: 60 Days Estimated Turnaround Time: 6-8 Weeks	Atrazine Atrazine Mercapturate DDA DEA DIA N-nitrosoatrazine	Pending Pending Pending Pending Pending Pending	\$288.80	\$231.04

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
Perfluoronated Acids (PFAS) EPA 1633	11Cl-PF3OUdS	Pending	\$360.00	\$288.00
	3:3FTCA	Pending		
(Plants)	4:2FTS	Pending		
Protocol ID: 20_17_06	5:3FTCA	Pending		
Sample Container: 250 mL plastic bottle	6:2FTS	Pending		
Sample Size: 5 gm	7:3FTCA	Pending		
Preservation: Cool, < 6°C	8:2FTS	Pending		
Holding Time: 60 Days	9Cl-PF3ONS	Pending		
Estimated Turnaround Time: 2-3 Weeks	ADONA	Pending		
Defenences	HFPO-DA	Pending		
References: (2023), "EPA 1633 Analysis of Per- and Polyfluoroalkyl Substances	NEtFOSA	Pending		
(PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by	NEtFOSAA	Pending		
LC-MS/MS".	NEtFOSE	Pending		
	NFDHA	Pending		
"Method developed internally at WSL",	NMeFOSA	Pending		
	NMeFOSAA	Pending		
	NMeFOSE	Pending		
	PFBA	Pending		
	PFBS	Pending		
	PFDA	Pending		
	PFDoA	Pending		
	PFD ₀ S	Pending		
	PFDS	Pending		
	PFEESA	Pending		
	PFHpA	Pending		
	PFHpS	Pending		
	PFHxA	Pending		
	PFHxS	Pending		
	PFMBA	Pending		
	PFMPA	Pending		
	PFNA	Pending		
	PFNS	Pending		
	PFOA	Pending		
	PFOS	Pending		
	PFOSA	Pending		
	PFPeA	Pending		
	PFPeS	Pending		
	PFTeDA	Pending		
	PFTrDA	Pending		

Protocol	Analyte PFUnA	Reporting Limit Pending	Protocol Cost	NU Cost (20% discount)
Protocol ID: 20_21_06 Sample Container: Paper bag for plants or 125 mL glass amber bottle for other types Sample Size: 5 gm Preservation: Frozen Holding Time: 60 Days Estimated Turnaround Time: 6-8 Weeks Reference: (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".	Ampicillin Azithromycin Carbadox Ceftiofur Ciprofloxacin Clarithromycin Danofloxacin Erythromycin Florfenicol Lincomycin Monensin Novobiocin Ormetoprim Oxacillin Oxolinic acid Penicillin G Penicillin V Penillic Acid Roxithromycin Sulfachlorpyridazine Sulfadiazine Sulfadimethoxine Sulfamethoxine Sulfamethazine Sulfamethiazole Sulfamethoxazole Sulfanilamide Sulfathiazole Thiabendazole Tiamulin Trimethoprim Tylosin Virginiamycin	6 ng/g 0.7 ng/g 1 ng/g 204 ng/g 4 ng/g 1 ng/g 1 ng/g 1 ng/g 1 ng/g 773 ng/g 6 ng/g 8 ng/g 667 ng/g 0.7 ng/g 50 ng/g 1 ng/g 20 ng/g 19 ng/g 22 ng/g 0.3 ng/g 2 ng/g 2 ng/g 2 ng/g 2 ng/g 2 ng/g 1 ng/g 2 ng/g 2 ng/g 1 ng/g 2 ng/g 2 ng/g 1 ng/g 3 ng/g 2 ng/g 1 ng/g 530 ng/g 2 ng/g 1 ng/g 570 ng/g 2 ng/g 2 ng/g 2 ng/g 3 ng/g 3 ng/g 3 ng/g 4 ng/g 5 ng/g	\$283.50	\$226.80

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
Neonicotinoid Mammalian Metabolites (Plants) Protocol ID: 20_22_06 Sample Container: Paper bag for plants or 125 mL glass amber bottle for other types Sample Size: 5 gm Preservation: Frozen Holding Time: 30 Days Estimated Turnaround Time: 6-8 Weeks	5-hydroxy imidacloprid 6-chloronicotinic acid Acetamiprid Acetamiprid n-desmethyl Clothianidin Clothianidin n-desmethyl Clothianidin urea Dinotefuran Imidacloprid Imidacloprid desnitro Imidacloprid urea Nitenpyram Thiacloprid Thiacloprid amide Thiamethoxam Thiamethoxam Thiamethoxam urea	Pending	\$288.80	\$231.04