

Water Sciences Laboratory

Analyte/Protocol Price List

2024



**Nebraska
Water Center**
Daugherty Water for Food Global Institute

Nebraska Water Center, a part of the
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Environmental :: Extracts

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p>Agricultural Herbicides/Insecticides (POCIS/Extracts) Protocol ID: 06_01_05</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div style="border: 1px solid black; padding: 2px;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: 2 mL GC Vial Sample Size: 2 mL Preservation: Cool, < 6°C Holding Time: 14 Days Estimated Turnaround Time: 6-8 Weeks</p> <p>Reference: Cassada, D. A.; Spalding, R. F.; Cai, Z.; Gross, M. L. (1994), "Determination of Atrazine, Deethylatrazine and Deisopropylatrazine in Water and Sediment by Isotope Dilution Gas Chromatography-Mass Spectrometry", <i>Anal. Chim. Acta</i> 287, 7-15.</p>	<p>Acetochlor Alachlor Atrazine Butylate Chlorothalonil Cyanazine DEA DIA Dimethenamid EPTC Metolachlor Metribuzin Norflurazon Pendimethalin Permethrin Prometon Propachlor Propazine Simazine Tefluthrin Trifluralin</p>	<p>0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng 0.1 ng</p>	<p>\$57.80</p>	<p>\$46.24</p>
<p>Chlorinated Insecticides (POCIS/Extracts) Protocol ID: 06_02_05</p> <div style="border: 1px solid black; padding: 2px;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div>	<p>4,4-DDE 4,4-DDT α-BHC Aldrin β-BHC δ-BHC Dieldrin γ-BHC (Lindane)</p>	<p>0.03 ng 0.03 ng 0.04 ng 0.05 ng 0.04 ng 0.06 ng 0.1 ng 0.07 ng</p>	<p>\$57.80</p>	<p>\$46.24</p>

Turnaround times are subject to existing sample queues Reporting Limits are subject to verification

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: 2 mL GC Vial Sample Size: 2 mL Preservation: Cool, < 6°C Holding Time: 14 Days Estimated Turnaround Time: 6-8 Weeks</p> <p>References: Lopez-Avila, V.; Young, R.; Beckert, W. F. (1994), "Microwave-Assisted Extraction of Organic Compounds from Standard Reference Soils and Sediments", <i>Anal. Chem.</i> 66, 1097-1106.</p> <p>(2011), "EPA 8270 Analysis of Semivolatile Organic Compounds by Combined Gas Chromatography/Mass Spectrometry (GC/MS)".</p>	<p>Heptachlor Trifluralin</p>	<p>0.04 ng 0.02 ng</p>		
<p>Semi-Volatile Organic Compounds (SVOCs) (POCIS/Extracts) Protocol ID: 06_03_05</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: 2 mL GC Vial Sample Size: 2 mL Preservation: Cool, < 6°C Holding Time: 30 Days Estimated Turnaround Time: 6-8 Weeks</p> <p>Reference: (2011), "EPA 8270 Analysis of Semivolatile Organic Compounds by Combined Gas Chromatography/Mass Spectrometry (GC/MS)".</p>	<p>2-Chloronaphthalene 2-Methylnaphthalene Acenaphthene Acenaphthylene Anthracene Benz[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[ghi]perylene Benzo[k]fluoranthene Carbazole Chrysene Dibenz[a,h]anthracene Dibenzofuran Fluoranthene Fluorene Indeno[1,2,3-cd]pyrene Naphthalene Phenanthrene Pyrene</p>	<p>0.01 ng 0.02 ng 0.006 ng 0.02 ng 0.03 ng 0.02 ng 0.01 ng 0.01 ng 0.03 ng 0.02 ng 0.01 ng 0.03 ng 0.009 ng 0.008 ng 0.1 ng 0.1 ng 0.01 ng 0.02 ng 0.01 ng 0.01 ng</p>	<p>\$57.80</p>	<p>\$46.24</p>

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p>Comprehensive Pesticide Scan (POCIS/Extracts) Protocol ID: 06_05_05</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: 2 mL GC Vial Sample Size: 2 mL Preservation: Cool, < 6°C Holding Time: 14 Days Estimated Turnaround Time: 6-8 Weeks</p> <p>References: Hladik, M. L.; Kuivila, K. M. (2009), "Assessing the Occurrence and Distribution of Pyrethroids in Water and Suspended Sediments", <i>J. Agric. Food Chem.</i> 57 (19), 9079-9085. (1992), "EPA 614 Determination of Organophosphorus Pesticides in Municipal and Industrial Wastewater".</p>	<p>Acetochlor Atrazine Bifenthrin Boscalid Carbofuran Chlorpyrifos Cyfluthrin Cyhalothrin lambda Cypermethrin Cyprodinil DEA Deltamethrin DIA Diazinon Fludioxonil Malathion Methidathion Metolachlor Metribuzin Parathion ethyl Parathion methyl Pendimethalin Permethrin Pyrimethanil Quinoxifen Tebuconazole Tefluthrin Triadimefon</p>	<p>0.05 ng 0.05 ng 0.05 ng 0.6 ng 0.3 ng 0.07 ng 0.5 ng 0.09 ng 0.3 ng 0.2 ng 0.07 ng 0.5 ng 0.1 ng 0.08 ng 0.5 ng 0.06 ng 0.1 ng 0.1 ng 0.5 ng 0.2 ng 0.5 ng 0.05 ng 0.5 ng 0.09 ng 0.06 ng 0.5 ng 0.04 ng 0.3 ng</p>	<p>\$57.80</p>	<p>\$46.24</p>
<p>Unknown Scan - GC/MS (Extracts) Protocol ID: 06_08_10</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <p>Sample Container: 2 mL GC Vial Sample Size: 2 mL Preservation: Cool, < 6°C Holding Time: 60 Days Estimated Turnaround Time: 6-8 Weeks</p>	<p>Spectra</p>		<p>\$57.80</p>	<p>\$46.24</p>

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Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p>Reference: Halket, J. M.; Waterman, D.; Przyborowska, A. M.; Patel, R. K. P.; Fraser, P. D.; Bramley, P. M. (2005), "Chemical derivatization and mass spectral libraries in metabolic profiling by GC/MS and LC/MS/MS", <i>J. Exp. Bot.</i> 56(410), 219-243.</p>				
<p>Municipal Wastewater/Illicit Compounds (POCIS/Extracts) Protocol ID: 20_01_05</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div style="border: 1px solid black; padding: 2px;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: Passive sampler (POCIS) Sample Size: 2 mL Preservation: Cool, < 6°C Holding Time: 30 Days Estimated Turnaround Time: 6-8 Weeks</p>	<p>1,7-Dimethylxanthine Acetaminophen Amphetamine Azithromycin Carbamazepine Cotinine Diphenhydramine Hydrocodone MDA MDA Metaxalone Methadone Methamphetamine Morphine Oxycodone Phenazone Sulfachloropyridazine Sulfamethazine Sulfamethoxazole Temazepam Thiabendazole Trimethoprim</p>	<p>0.05 ng 0.05 ng</p>	<p>\$115.50</p>	<p>\$92.40</p>
<p>Neonicotinoid/Strobularin Pesticides (POCIS/Extracts) Protocol ID: 20_02_05</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div style="border: 1px solid black; padding: 2px;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div>	<p>6-Chloronicotinic acid 6-Chloronicotinic aldehyde 6-Chloro-N-methylnicotinamide Acetamiprid Azoxystrobin Clothianidin Dimethoate Dinotefuran Imidacloprid Imidacloprid desnitro</p>	<p>0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng</p>	<p>\$115.50</p>	<p>\$92.40</p>

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Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
	Tramadol Trimethoprim	0.05 ng 0.05 ng		
<p>Perfluorinated Acids (PFAS) EPA 537.1 (POCIS/Extracts) Protocol ID: 20_08_05</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: Passive sampler (POCIS) Sample Size: 2 mL Preservation: Cool, < 6°C Holding Time: 60 Days Estimated Turnaround Time: 6-8 Weeks</p> <p>Reference: (2018), "EPA 537.1 Determination of Selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)".</p>	11Cl-PF3OUds 9Cl-PF3ONS ADONA HFPO-DA NEtFOSAA NMeFOSAA PFBS PFDA PFDoA PFHpA PFHxA PFHxS PFNA PFOA PFOS PFTA PFTTrDA PFUnA	Pending 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng	\$115.50	\$92.40
<p>Azole Fungicides and Abamectin (POCIS/Extracts) Protocol ID: 20_09_05</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: Passive sampler (POCIS) Sample Size: 2 mL Preservation: Cool, < 6°C Holding Time: 30 Days Estimated Turnaround Time: 6-8 Weeks</p>	Abamectin NH4 Brassinazole Cyproconazole Desthio-Prothioconazole Difenoconazole Fluconazole Iaconazole Isavuconazole Itraconazole Metconazole Posaconazole Propiconazole Prothioconazole Tebuconazole Thiabendazole	0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng	\$115.50	\$92.40

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p>EPA 1694 Group 1 (Human Usage) (POCIS/Extracts) Protocol ID: 20_11_05</p> <div style="border: 1px solid black; padding: 2px;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div style="border: 1px solid black; padding: 2px;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: Passive sampler (POCIS) Sample Size: 2 mL Preservation: Frozen Holding Time: 60 Days Estimated Turnaround Time: 6-8 Weeks</p> <p>Reference: (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".</p>	1,7-Dimethylxanthine	0.05 ng	\$115.50	\$92.40
	Acetaminophen	0.05 ng		
	Ampicillin	0.05 ng		
	Azithromycin	0.05 ng		
	Caffeine	0.05 ng		
	Carbamazepine	0.05 ng		
	Ciprofloxacin	0.05 ng		
	Clarithromycin	0.05 ng		
	Clinafloxacin	0.05 ng		
	Codeine	0.05 ng		
	Cotinine	0.05 ng		
	Danofloxacin	0.05 ng		
	Dehydronifedipine	0.05 ng		
	Digoxigenin	0.05 ng		
	Digoxin	0.05 ng		
	Diltiazem	0.05 ng		
	Diphenhydramine	0.05 ng		
	Enrofloxacin	0.05 ng		
	Erythromycin	0.05 ng		
	Flumequine	0.05 ng		
	Fluoxetine	0.05 ng		
	Lincomycin	0.05 ng		
	Lomefloxacin	0.05 ng		
	Miconazole	0.05 ng		
	Norfloxacin	0.05 ng		
	Norgestimate	0.05 ng		
	Ofloxacin	0.05 ng		
	Ormetoprim	0.05 ng		
	Oxacillin	0.05 ng		
	Penicillin G	0.05 ng		
Penicillin V	0.05 ng			
Penillic Acid	0.05 ng			
Phenazone	0.05 ng			
Roxithromycin	0.05 ng			
Sarafloxacin	0.05 ng			
Sucralose	0.05 ng			
Sulfachlorpyridazine	0.05 ng			
Sulfadiazine	0.05 ng			
Sulfadimethoxine	0.05 ng			

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Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
	Sulfamerazine Sulfamethazine Sulfamethiazole Sulfamethoxazole Sulfanilamide Sulfathiazole Thiabendazole Trimethoprim	0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng		
<p>EPA 1694 Group 2 (POCIS/Extracts) Protocol ID: 20_12_05</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div style="border: 1px solid black; padding: 2px;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: Passive sampler (POCIS) Sample Size: 2 mL Preservation: Cool, < 6°C Holding Time: 30 Days Estimated Turnaround Time: 6-8 Weeks</p> <p>Reference: (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".</p>	Anhydrochlortetracycline (ACTC) Anhydrotetracycline (ATC) Chlortetracycline (CTC) Demeclocycline Doxycycline Epianhydrochlortetracycline (EACTC) Epichlortetracycline (ECTC) Epioxytetracycline (EOTC) Epite tetracycline Isochlortetracycline (ICTC) Minocycline Oxytetracycline (OTC) Tetracycline (TC)	Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending	\$115.50	\$92.40
<p>EPA 1694 Group 3 (POCIS/Extracts) Protocol ID: 20_13_05</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div style="border: 1px solid black; padding: 2px;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: Passive sampler (POCIS) Sample Size: 2 mL Preservation: Cool, < 6°C Holding Time: 30 Days</p>	Gemfibrozil Ibuprofen Naproxen Triclocarban Triclosan Warfarin	Pending Pending Pending Pending Pending Pending	\$115.50	\$92.40

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p>Estimated Turnaround Time: 6-8 Weeks</p> <p>Reference: (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".</p>				
<p>EPA 1694 Group 4 (POCIS/Extracts) Protocol ID: 20_14_05</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: Passive sampler (POCIS) Sample Size: 2 mL Preservation: Cool, < 6°C Holding Time: 30 Days Estimated Turnaround Time: 6-8 Weeks</p> <p>Reference: (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".</p>	<p>Albuterol Cimetidine Metformin Ranitidine</p>	<p>Pending Pending Pending Pending</p>	<p>\$115.50</p>	<p>\$92.40</p>
<p>Atrazine Metabolites and Nitrosoatrazine (POCIS/Extracts) Protocol ID: 20_16_05</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: Passive sampler (POCIS) Sample Size: 2 mL Preservation: Frozen Holding Time: 60 Days Estimated Turnaround Time: 6-8 Weeks</p>	<p>Atrazine Atrazine Mercapturate DDA DEA DIA N-nitrosoatrazine</p>	<p>0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng</p>	<p>\$115.50</p>	<p>\$92.40</p>

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
	PFDS PFEESA PFHpA PFHpS PFHxA PFHxS PFMBA PFMPA PFNA PFNS PFOA PFOS PFOSA PFPeA PFPeS PFTeDA PFTrDA PFUnA	Pending Pending		
<p>EPA 1694 Group 1 (Veterinary Usage) (POCIS/Extracts) Protocol ID: 20_21_05</p> <div data-bbox="50 938 844 1016" style="border: 1px solid black; padding: 2px;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div data-bbox="50 1040 844 1118" style="border: 1px solid black; padding: 2px;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: Passive sampler (POCIS) Sample Size: 2 mL Preservation: Frozen Holding Time: 60 Days Estimated Turnaround Time: 6-8 Weeks</p> <p>Reference: (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".</p>	Ampicillin Azithromycin Carbadox Ceftiofur Ciprofloxacin Clarithromycin Danofloxacin DCCD Erythromycin Florfenicol Lincomycin Monensin Novobiocin Ormetoprim Oxacillin Oxolinic acid Penicillin G Penicillin V Penillic Acid Roxithromycin	0.05 ng 0.05 ng	\$115.50	\$92.40

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
	Sulfachlorpyridazine Sulfadiazine Sulfadimethoxine Sulfamerazine Sulfamethazine Sulfamethiazole Sulfamethoxazole Sulfanilamide Sulfathiazole Thiabendazole Tiamulin Trimethoprim Tylosin Virginiamycin	0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng		
<p>Neonicotinoid Mammalian Metabolites (POCIS/Extracts) Protocol ID: 20_22_05</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p>For POCIS samples, add processing charge of \$60/sample For samples on cartridges, add processing charge of \$30/sample</p> </div> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: Passive sampler (POCIS) Sample Size: 2 mL Preservation: Frozen Holding Time: 30 Days Estimated Turnaround Time: 6-8 Weeks</p>	5-hydroxy imidacloprid 6-chloronicotinic acid Acetamiprid Acetamiprid n-desmethyl Clothianidin Clothianidin n-desmethyl Clothianidin urea Dinotefuran Imidacloprid Imidacloprid desnitro Imidacloprid olefin Imidacloprid urea Nitenpyram Thiacloprid Thiacloprid amide Thiamethoxam Thiamethoxam n-desmethyl Thiamethoxam urea	0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng	\$115.50	\$92.40