

Water Sciences Laboratory

Analyte/Protocol Price List

2022



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

[Nebraska Water Center](http://www.nebraska-water-center.org), a part of the
[Robert B. Daugherty Water for Food Global Institute at the University of Nebraska](http://www.rbwfi.org)
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Environmental :: Extracts

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p>Agricultural herbicides in extracts Protocol ID: 06_01_05</p> <div style="border: 1px solid black; padding: 5px; 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: 5px; 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>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</p>	<p>\$57.80</p>	<p>\$46.24</p>
<p>Chlorinated pesticides in extracts Protocol ID: 06_02_05</p> <div style="border: 1px solid black; padding: 5px; 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>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 in 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;"> <p>If sample weights in grams are supplied, the units will become 'ng/g'</p> </div> <p>Sample Container: 1 liter amber bottle Sample Size: 1000 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>0.1 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 0.4 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>

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p>Insecticides and Fungicides in extracts Protocol ID: 06_05_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: 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 The Determination of Organophosphorus Pesticides in Municipal and Industrial Wastewater The Determination of Organophosphorus Pesticides in Municipal and Industrial Wastewater".</p>	<p>Acetochlor Atrazine Bifenthrin Boscalid Carbofuran Chlorpyrifos Cyhalothrin lambda Cypermethrin Cyprodinil DEA Deltamethrin DIA Diazinon Fludioxonil Malathion Methidathion Metolachlor Metribuzin Parathion ethyl Parathion methyl Pendimethalin Permethrin Pirimethanil Quinoxifen Tebuconazole Tefluthrin Triadimefon</p>	<p>0.05 ng 0.05 ng 0.05 ng 0.6 ng 0.3 ng 0.07 ng 0.09 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>GCMS Unknown scan Protocol ID: 06_08_10</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> <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>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>LCMS Unknown scan Protocol ID: 15_00_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> <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: Kaiser, P.; Geyer, R.; Surmann, P.; Fuhrmann, H. (2012), "LC-MS method for screening unknown microbial carotenoids and isoprenoid quinones", <i>J. Microbiol. Methods</i> 88(1), 28-34.</p>	Spectra		\$115.50	\$92.40
<p>Pharmaceutical and personal care products (PPCPS) in extracts Protocol ID: 15_03_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: 30 Days Estimated Turnaround Time: 6-8 Weeks</p>	<p>2,4-D (2,4-Dichlorophenoxyacetic acid) 6-Chloropicolinic acid Dicamba</p>	<p>0.5 ng 0.5 ng 0.5 ng</p>	\$115.50	\$92.40

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p>Illicit Compounds in 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: 2 mL GC Vial 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 in 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>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>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</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 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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	Sulfoxaflor Thiacloprid Thiamethoxam Thiamethoxam urea Trifloxystrobin	0.05 ng 0.05 ng 0.05 ng 0.05 ng 0.05 ng		
<p>Perfluorinated acids (PFAS) in extracts Protocol ID: 20_08_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: Pending Sample Size: Pending Preservation: Cool, < 6°C Holding Time: 60 Days Estimated Turnaround Time: 6-8 Weeks </p>	11CI-PF3OUdS 9CI-PF3ONS ADONA HFPO-DA NEtFOSAA NMeFOSAA PFBS PFDA PFDoA PFHpA PFHxA PFHxS PFNA PFOA PFOS PFTA PFTrDA PFUnA	Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending	\$115.50	\$92.40
<p>EPA 1694 Group 1 in extracts (human usage) Protocol ID: 20_11_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: Pending Sample Size: Pending Preservation: Frozen Holding Time: 60 Days Estimated Turnaround Time: 6-8 Weeks </p> <p>Reference:</p>	1,7-Dimethylxanthine Acetaminophen Ampicillin Azithromycin Caffeine Carbamazepine Cefotaxime Ciprofloxacin Clarithromycin Clinafloxacin Cloxacillin Codeine Cotinine Danofloxacin Dehydronifedipine	Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending Pending	\$115.80	\$92.64

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Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
(2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".	Digoxigenin	Pending		
	Digoxin	Pending		
	Diltiazem	Pending		
	Diphenhydramine	Pending		
	Enrofloxacin	Pending		
	Erythromycin	Pending		
	Flumequine	Pending		
	Fluoxetine	Pending		
	Lincomycin	Pending		
	Lomefloxacin	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			

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