

# Water Sciences Laboratory

## Analyte/Protocol Price List

### 2024



# Nebraska Water Center

Daugherty Water for Food Global Institute

[Nebraska Water Center](http://Nebraska Water Center), a part of the  
[Robert B. Daugherty Water for Food Global Institute at the University of Nebraska](http://Robert B. Daugherty Water for Food Global Institute at the University of Nebraska)  
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## Environmental :: Water

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p><b>Agricultural Herbicides/Insecticides</b>  <b>Protocol ID: 06_01_01</b></p> <p><b>Sample Container:</b> 1 liter amber bottle  <b>Sample Size:</b> 1000 mL  <b>Preservation:</b> Cool, &lt; 6°C  <b>Holding Time:</b> 30 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>Reference:</b>  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> <b>287</b>, 7-15.</p>	<p>Acetochlor  Alachlor  Atrazine  Butylate  Chlorothalonil  Cyanazine  DEA  DIA  Dimethenamid  EPTC  Metolachlor  Metribuzin  Norflurazon  Pendamethalin  Permethrin  Prometon  Propachlor  Propazine  Simazine  Tefluthrin  Trifluralin</p>	<p>0.008 µg/L  0.01 µg/L  0.005 µg/L  0.09 µg/L  0.02 µg/L  0.2 µg/L  0.04 µg/L  0.1 µg/L  0.01 µg/L  0.10 µg/L  0.009 µg/L  0.02 µg/L  0.01 µg/L  0.01 µg/L  0.04 µg/L  0.04 µg/L  0.02 µg/L  0.007 µg/L  0.007 µg/L  0.03 µg/L  0.02 µg/L</p>	<p><b>\$115.50</b></p>	<p>\$92.40</p>
<p><b>Chlorinated Insecticides</b>  <b>Protocol ID: 06_02_01</b></p> <p><b>Sample Container:</b> 1 liter amber bottle  <b>Sample Size:</b> 1000 mL  <b>Preservation:</b> Cool, &lt; 6°C  <b>Holding Time:</b> 30 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p>	<p>4,4-DDE  4,4-DDT  α-BHC  a-Chlordane  Aldrin  β-BHC  δ-BHC  Dieldrin</p>	<p>0.06 µg/L  0.04 µg/L  0.2 µg/L  0.05 µg/L  0.1 µg/L  0.1 µg/L  0.05 µg/L  0.06 µg/L</p>	<p><b>\$115.50</b></p>	<p>\$92.40</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)
<p><b>Reference:</b> (2011), "EPA 8270 Analysis of Semivolatile Organic Compounds by Combined Gas Chromatography/Mass Spectrometry (GC/MS)".</p>	<p><b>Endosulfan I</b> <b>Endosulfan II</b> <b>Endosulfan sulfate</b> <b>Endrin</b> <b>Endrin aldehyde</b> <b>Endrin ketone</b> <b>γ-BHC (Lindane)</b> <b>g-Chlordane</b> <b>Heptachlor</b> <b>Heptachlor epoxide B</b> <b>Methoxychlor</b> <b>Trifluralin</b></p>	<p>0.03 µg/L 0.07 µg/L 0.06 µg/L 0.03 µg/L 0.04 µg/L 0.05 µg/L 0.07 µg/L 0.06 µg/L 0.06 µg/L 0.02 µg/L 0.04 µg/L 0.05 µg/L</p>		
<p><b>Semi-Volatile Organic Compounds (SVOCs)</b> <b>Protocol ID: 06_03_01</b></p> <p><b>Sample Container:</b> 1 liter amber bottle <b>Sample Size:</b> 1000 mL <b>Preservation:</b> Cool, &lt; 6°C <b>Holding Time:</b> 30 Days <b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>References:</b> (2011), "EPA 8270 Analysis of Semivolatile Organic Compounds by Combined Gas Chromatography/Mass Spectrometry (GC/MS)".  (2012), "EPA 525.3 Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column SPECTROMETRY (GC/MS) Gas Chromatography/Mass Spectrometry (GC/MS)",</p>	<p><b>2-Chloronaphthalene</b> <b>2-Methylnaphthalene</b> <b>Acenaphthene</b> <b>Acenaphthylene</b> <b>Anthracene</b> <b>Benz[a]anthracene</b> <b>Benzo[a]pyrene</b> <b>Benzo[b]fluoranthene</b> <b>Benzo[ghi]perylene</b> <b>Benzo[k]fluoranthene</b> <b>Carbazole</b> <b>Chrysene</b> <b>Dibenz[a,h]anthracene</b> <b>Dibenzofuran</b> <b>Fluoranthene</b> <b>Fluorene</b> <b>Indeno[1,2,3-cd]pyrene</b> <b>Naphthalene</b> <b>Phenanthrene</b> <b>Pyrene</b></p>	<p>0.006 µg/L 0.006 µg/L 0.004 µg/L 0.02 µg/L 0.10 µg/L 0.008 µg/L 0.01 µg/L 0.06 µg/L 0.01 µg/L 0.04 µg/L 0.02 µg/L 0.008 µg/L 0.01 µg/L 0.007 µg/L 0.01 µg/L 0.01 µg/L 0.008 µg/L 0.002 µg/L 0.03 µg/L 0.01 µg/L</p>	<p><b>\$115.50</b></p>	<p>\$92.40</p>

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Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p><b>Volatile Organic Compounds (VOCs)</b>  <b>Protocol ID: 06_04_11</b></p> <p><b>Sample Container:</b> 40 mL septum vial  <b>Sample Size:</b> 40 mL  <b>Preservation:</b> Add sulfuric acid to pH &lt; 2, Cool, &lt; 6°C  <b>Holding Time:</b> 30 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>Reference:</b>  (1999), "EPA 8260 Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)".</p>	1,1,1,2-Tetrachloroethane 1,2,3-Trichlorobenzene 1,2,3-Trichloropropane 1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2-Chlorotoluene 4-Chlorotoluene Benzene Bromobenzene Butylbenzene Chlorobenzene Chloroform cis-1,3-Dichloropropene Ethylbenzene Hexachloro-1,3-butadiene Isopropylbenzene m-Xylene + p-Xylene Naphthalene o-Xylene p-Isopropyltoluene Propylbenzene sec-Butylbenzene Styrene Toluene trans-1,3-Dichloropropene	0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.2 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L 0.05 µg/L	<b>\$115.50</b>	\$92.40
<p><b>Comprehensive Pesticide Scan</b>  <b>Protocol ID: 06_05_01</b></p> <p><b>Sample Container:</b> 1 liter amber bottle  <b>Sample Size:</b> 1000 mL  <b>Preservation:</b> Cool, &lt; 6°C  <b>Holding Time:</b> 30 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>References:</b>  Hladik, M. L.; Kuivila, K. M. (2009), "Assessing the Occurrence and</p>	Acetochlor Atrazine Bifenthrin Boscalid Carbofuran Chlorpyrifos Cyfluthrin Cyhalothrin lambda Cypermethrin Cyprodinil	0.02 µg/L 0.04 µg/L 0.03 µg/L 0.3 µg/L 0.07 µg/L 0.01 µg/L 0.02 µg/L 0.03 µg/L 0.05 µg/L 0.02 µg/L	<b>\$115.50</b>	\$92.40

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Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p>Distribution of Pyrethroids in Water and Suspended Sediments", <i>J. Agric. Food Chem.</i> <b>57</b> (19), 9079-9085.</p> <p>(1992), "EPA 614 Determination of Organophosphorus Pesticides in Municipal and Industrial Wastewater".</p>	<p><b>DEA</b>  <b>Deltamethrin</b>  <b>DIA</b>  <b>Diazinon</b>  <b>Fludioxonil</b>  <b>Malathion</b>  <b>Methidathion</b>  <b>Metolachlor</b>  <b>Metribuzin</b>  <b>Parathion ethyl</b>  <b>Parathion methyl</b>  <b>Pendimethalin</b>  <b>Permethrin</b>  <b>Propazine</b>  <b>Pyrimethanil</b>  <b>Quinoxifen</b>  <b>Tebuconazole</b>  <b>Tefluthrin</b>  <b>Triadimefon</b></p>	<p>0.02 µg/L  0.05 µg/L  0.02 µg/L  0.03 µg/L  0.1 µg/L  0.02 µg/L  0.05 µg/L  0.02 µg/L  0.03 µg/L  0.01 µg/L  0.02 µg/L  0.01 µg/L  0.04 µg/L  0.6 µg/L  0.03 µg/L  0.04 µg/L  0.02 µg/L  0.04 µg/L  0.04 µg/L</p>		
<p><b>Volatile Chloro-Organics</b>  <b>Protocol ID: 06_09_11</b></p> <p><b>Sample Container:</b> 40 mL septum vial  <b>Sample Size:</b> 40 mL  <b>Preservation:</b> Cool, &lt; 6°C  <b>Holding Time:</b> 30 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>Reference:</b>  (1996), "EPA 8260B Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)".</p>	<p><b>1,1-DCA</b>  <b>1,1-DCE</b>  <b>1,2-DCA</b>  <b>cis-1,2-DCE</b>  <b>TCE</b>  <b>trans-1,2-DCE</b>  <b>Vinyl Chloride</b></p>	<p>0.5 ppb  0.5 ppb  0.5 ppb  0.5 ppb  0.5 ppb  0.5 ppb  0.5 ppb</p>	<p><b>\$86.60</b></p>	<p>\$69.28</p>
<p><b>Bromomethanes</b>  <b>Protocol ID: 06_11_11</b></p> <p><b>Sample Container:</b> 40 mL septum vial  <b>Sample Size:</b> 40 mL  <b>Preservation:</b> Cool, &lt; 6°C  <b>Holding Time:</b> 60 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p>	<p><b>Bromoform</b>  <b>Chloroform</b>  <b>Dibromochloromethane</b>  <b>Dichlorobromomethane</b></p>	<p>0.7 µg/L  0.7 µg/L  0.5 µg/L  0.5 µg/L</p>	<p><b>\$86.60</b></p>	<p>\$69.28</p>

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<p><b>Nitrapyrin</b> Protocol ID: 06_18_01</p> <p><b>Sample Container:</b> 1 liter amber bottle <b>Sample Size:</b> 1000 mL <b>Preservation:</b> Cool, &lt; 6°C <b>Holding Time:</b> 30 Days <b>Estimated Turnaround Time:</b> 6-8 Weeks</p>	<p>Butylate EPTC Nitrapyrin</p>	<p>0.05 µg/L 0.05 µg/L 0.05 µg/L</p>	\$115.50	\$92.40
<p><b>Glyphosate/AMPA</b> Protocol ID: 19_06_01</p> <p><b>Sample Container:</b> 125 mL polyethylene bottle <b>Sample Size:</b> 10 mL <b>Preservation:</b> Cool, &lt; 6°C <b>Holding Time:</b> 30 Days <b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>References:</b> 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> <b>1100</b>, 160-167.</p> <p>"Method developed internally at WSL",</p>	<p>AMPA Glufosinate Glyphosate Inorganic P</p>	<p>4 µg/L 9 µg/L 8 µg/L 2 µg/L</p>	\$100.00	\$80.00
<p><b>Municipal Wastewater/Illicit Compounds</b> Protocol ID: 20_01_01</p> <p><b>Sample Container:</b> 250 mL glass bottle <b>Sample Size:</b> 250 mL <b>Preservation:</b> Cool, &lt; 6°C <b>Holding Time:</b> 30 Days <b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>References:</b> Kasprzyk-Hordern, B.; Dinsdal, R. M.; Guwy, A. J. (2007), "Multi-residue method for the determination of basic/neutral pharmaceuticals and illicit drugs in surface water by solid-phase extraction and ultra performance liquid chromatography–positive electrospray ionisation tandem mass spectrometry", <i>J. Chromatogr.</i></p>	<p>1,7-Dimethylxanthine Acetaminophen Amphetamine Azithromycin Carbamazepine Cotinine Diphenhydramine Hydrocodone MDA MDA Metaxalone Methadone Methamphetamine</p>	<p>0.01 µg/L 0.004 µg/L 0.004 µg/L 0.2 µg/L 0.003 µg/L 0.003 µg/L 0.01 µg/L 0.006 µg/L 0.004 µg/L 0.005 µg/L 0.01 µg/L 0.005 µg/L 0.006 µg/L</p>	\$231.00	\$184.80

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<p>A <b>1161</b>(1-2), 132-145.</p> <p>Berset, J.; Brenneisen, R.; Mathieu, C. (2010), "Analysis of Illicit and illicit drugs in waste, surface and lake water samples using large volume direct injection high performance liquid chromatography – electrospray tandem mass spectrometry (HPLC–MS/MS)", <i>Chemosphere</i> <b>81</b>(7), 859-866.</p>	<p><b>Morphine</b>  <b>Oxycodone</b>  <b>Phenazone</b>  <b>Phenazone</b>  <b>Sulfadiazine</b>  <b>Sulfadimethoxine</b>  <b>Sulfamethazine</b>  <b>Sulfamethoxazole</b>  <b>Temazepam</b>  <b>Thiabendazole</b>  <b>Trimethoprim</b></p>	<p>0.004 µg/L  0.006 µg/L  0.01 µg/L  0.01 µg/L  0.006 µg/L  0.01 µg/L  0.003 µg/L  0.008 µg/L  0.002 µg/L  0.007 µg/L  0.005 µg/L</p>		
<p><b>Neonicotinoid/Strobularin Pesticides</b>  <b>Protocol ID: 20_02_01</b></p> <p><b>Sample Container:</b> 250 mL glass bottle  <b>Sample Size:</b> 250 mL  <b>Preservation:</b> Cool, &lt; 6°C  <b>Holding Time:</b> 30 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>Reference:</b>  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", <i>J. Econ. Entomol.</i> <b>102</b>(1), 187-195.</p>	<p><b>6-Chloronicotinic acid</b>  <b>6-Chloronicotinic aldehyde</b>  <b>6-Chloro-N-methylnicotinamide</b>  <b>Acetamiprid</b>  <b>Azoxystrobin</b>  <b>Clothianidin</b>  <b>Dimethoate</b>  <b>Dinotefuran</b>  <b>Imidacloprid</b>  <b>Imidacloprid desnitro</b>  <b>Imidacloprid olefin</b>  <b>Imidacloprid urea</b>  <b>Indoxacarb</b>  <b>Metalaxyl</b>  <b>Picoxystrobin</b>  <b>Pyraclostrobin</b>  <b>Sulfoxaflor</b>  <b>Thiacloprid</b>  <b>Picoxystrobin</b>  <b>Thiamethoxam urea</b>  <b>Trifloxystrobin</b></p>	<p>0.02 µg/L  0.004 µg/L  0.002 µg/L  0.003 µg/L  0.01 µg/L  0.003 µg/L  0.003 µg/L  0.003 µg/L  0.002 µg/L  0.003 µg/L  0.008 µg/L  0.004 µg/L  0.008 µg/L  0.005 µg/L  0.003 µg/L  0.004 µg/L  0.002 µg/L  0.003 µg/L  0.006 µg/L  0.004 µg/L  0.002 µg/L  0.003 µg/L</p>	<p><b>\$231.00</b></p>	<p>\$184.80</p>

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<p><b>Municipal Wastewater/Opioids</b>  <b>Protocol ID: 20_03_01</b></p> <p><b>Sample Container:</b> 250 mL glass bottle  <b>Sample Size:</b> 125 mL  <b>Preservation:</b> Cool, &lt; 6°C  <b>Holding Time:</b> 30 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>References:</b>  Kasprzyk-Hordern, B.; Dinsdal, R. M.; Guwy, A. J. (2007), "Multi-residue method for the determination of basic/neutral pharmaceuticals and illicit drugs in surface water by solid-phase extraction and ultra performance liquid chromatography–positive electrospray ionisation tandem mass spectrometry", <i>J. Chromatogr. A</i> <b>1161</b>(1-2), 132-145.</p> <p>Berset, J.; Brenneisen, R.; Mathieu, C. (2010), "Analysis of llicit and illicit drugs in waste, surface and lake water samples using large volume direct injection high performance liquid chromatography – electrospray tandem mass spectrometry (HPLC–MS/MS)", <i>Chemosphere</i> <b>81</b>(7), 859-866.</p>	1,7-Dimethylxanthine 6-Monacetylmorphine Amphetamine Azithromycin Carbamazepine Codeine Cotinine d-Amphetamine Dihydrocodeine Diphenhydramine Fentanyl Heroin Hydrocodone Hydromorphone Metaxalone Methadone Methamphetamine Morphine Norcodiene Norfentanyl Oxycodone Phenazone Phenazone Sulfamethazine Sulfamethoxazole Temazepam Thiabendazole Tramadol Trimethoprim	0.01 µg/L Pending 0.01 µg/L 0.5 µg/L 0.009 µg/L 0.05 µg/L 0.01 µg/L Pending Pending 0.03 µg/L Pending Pending 0.02 µg/L Pending 0.04 µg/L 0.02 µg/L 0.02 µg/L 0.01 µg/L Pending Pending 0.02 µg/L 0.04 µg/L Pending 0.1 µg/L 0.02 µg/L 0.006 µg/L 0.02 µg/L Pending 0.01 µg/L	<b>\$231.00</b>	\$184.80
<p><b>Oxanilic Acids/Ethanesulfonic Acids (OAESA)</b>  <b>Protocol ID: 20_06_01</b></p> <p><b>Sample Container:</b> 250 mL amber glass bottle  <b>Sample Size:</b> 250 mL  <b>Preservation:</b> Cool, &lt; 6°C  <b>Holding Time:</b> 30 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p>	Hydroxychlorthalonil Acetochlor ESA Acetochlor OA Alachlor ESA Alachlor OA Metolachlor ESA Metolachlor OA Propachlor ESA	0.006 µg/L 0.002 µg/L 0.003 µg/L 0.005 µg/L 0.002 µg/L 0.003 µg/L 0.002 µg/L 0.007 µg/L	<b>\$231.00</b>	\$184.80

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<p><b>References:</b>  Ferrer, I.; Thurman, E. M.; Barcelo, D. (1997), "Identification of Ionic Chloroacetanilide-Herbicide Metabolites in Surface Water and Groundwater by HPLC/MS Using Negative Ion Spray", <i>Anal. Chem.</i> <b>69</b>, 4547-4553.</p> <p>(2005), "EPA 535 Measurement of Chloroacetanilide and Other Acetamide Herbicide Degradates in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)".</p>				
<p><b>Perfluorinated Acids (PFAS) EPA 537.1</b>  <b>Protocol ID: 20_08_01</b></p> <p><b>Sample Container:</b> 250 mL plastic bottle  <b>Sample Size:</b> 250 mL  <b>Preservation:</b> Cool, &lt; 6°C  <b>Holding Time:</b> 30 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>Reference:</b>  (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 PFTrDA PFUnA	0.006 µg/L 0.004 µg/L 0.001 µg/L 0.002 µg/L 0.002 µg/L 0.001 µg/L 0.01 µg/L 0.001 µg/L 0.002 µg/L 0.001 µg/L 0.001 µg/L 0.006 µg/L 0.001 µg/L 0.001 µg/L 0.001 µg/L 0.001 µg/L 0.002 µg/L 0.001 µg/L 0.001 µg/L	<b>\$231.00</b>	\$184.80
<p><b>Azole Fungicides and Abamectin</b>  <b>Protocol ID: 20_09_01</b></p> <p><b>Sample Container:</b> Pending  <b>Sample Size:</b> Pending  <b>Preservation:</b> Cool, &lt; 6°C  <b>Holding Time:</b> 30 Days  <b>Estimated Turnaround Time:</b> 2-3 Weeks</p>	Abamectin NH4 Brassinazole Cyproconazole Desthio-Prothioconazole Difenoconazole Fluconazole Ipcconazole Isavuconazole Itraconazole Metconazole	0.05 µg/L 0.003 µg/L 0.002 µg/L 0.003 µg/L 0.003 µg/L 0.003 µg/L 0.002 µg/L 0.004 µg/L 0.001 µg/L 0.004 µg/L	<b>\$231.00</b>	\$184.80

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Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
	<b>Posaconazole</b> <b>Propiconazole</b> <b>Prothioconazole</b> <b>Tebuconazole</b> <b>Thiabendazole</b>	Pending 0.004 µg/L 0.005 µg/L 0.005 µg/L 0.003 µg/L		
<b>Hormone Conjugates</b> <b>Protocol ID: 20_10_01</b>  <b>Sample Container:</b> 250 mL amber glass bottle <b>Sample Size:</b> 250 mL <b>Preservation:</b> Cool, < 6°C <b>Holding Time:</b> 30 Days <b>Estimated Turnaround Time:</b> 6-8 Weeks  <b>References:</b> Schuler, G.; Sanchez-Guijo, A.; Hartmann, M.F.; Wudy, S.A. (2018), "Simultaneous profiles of sulfonated androgens, sulfonated estrogens and sulfonated progestogens in postpubertal boars (sus scrofa domestica) measured by LC-MS/MS", <i>J. Steroid Biochem and Molec. Biology</i> <b>179</b> , 55-63.  "Method developed internally at WSL",	<b>Estradiol sulfate</b> <b>Pregnenolone sulfate</b> <b>Testosterone glucuronide</b> <b>Testosterone sulfate</b>	Pending Pending Pending Pending	<b>\$231.00</b>	\$184.80
<b>EPA 1694 Group 1 (Human Usage)</b> <b>Protocol ID: 20_11_01</b>  <b>Sample Container:</b> 250 mL amber glass bottle <b>Sample Size:</b> 250 mL <b>Preservation:</b> Cool, < 6°C <b>Holding Time:</b> 30 Days <b>Estimated Turnaround Time:</b> 6-8 Weeks  <b>Reference:</b> (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".	<b>1,7-Dimethylxanthine</b> <b>Acetaminophen</b> <b>Ampicillin</b> <b>Azithromycin</b> <b>Caffeine</b> <b>Carbamazepine</b> <b>Ciprofloxacin</b> <b>Clarithromycin</b> <b>Clinafloxacin</b> <b>Codeine</b> <b>Cotinine</b> <b>Danofloxacin</b> <b>Dehydronifedipine</b> <b>Digoxigenin</b> <b>Digoxin</b> <b>Diltiazem</b> <b>Diphenhydramine</b>	0.2 µg/L 0.004 µg/L 0.03 µg/L 0.02 µg/L 0.07 µg/L 0.009 µg/L 0.009 µg/L 0.04 µg/L 0.006 µg/L 0.02 µg/L 0.001 µg/L 0.03 µg/L 0.03 µg/L 0.03 µg/L 0.2 µg/L 0.2 µg/L 0.01 µg/L	<b>\$231.00</b>	\$184.80

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Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
	<b>Enrofloxacin</b> <b>Erythromycin</b> <b>Flumequine</b> <b>Fluoxetine</b> <b>Lincomycin</b> <b>Lomefloxacin</b> <b>Miconazole</b> <b>Norfloxacin</b> <b>Norgestimate</b> <b>Ofloxacin</b> <b>Ormetoprim</b> <b>Oxacillin</b> <b>Penicillin G</b> <b>Penicillin V</b> <b>Penillic Acid</b> <b>Phenazone</b> <b>Roxithromycin</b> <b>Sarafloxacin</b> <b>Sucralose</b> <b>Sulfachlorpyridazine</b> <b>Sulfadiazine</b> <b>Sulfadimethoxine</b> <b>Sulfamerazine</b> <b>Sulfamethazine</b> <b>Sulfamethiazole</b> <b>Sulfamethoxazole</b> <b>Sulfanilamide</b> <b>Sulfathiazole</b> <b>Thiabendazole</b> <b>Trimethoprim</b>	0.04 µg/L 0.01 µg/L 0.02 µg/L 0.007 µg/L 0.02 µg/L 0.03 µg/L 0.02 µg/L 0.02 µg/L 0.02 µg/L 0.02 µg/L 0.006 µg/L 0.5 µg/L 0.2 µg/L 0.5 µg/L 0.2 µg/L 0.02 µg/L 0.05 µg/L 0.04 µg/L 0.09 µg/L 0.03 µg/L 0.06 µg/L 0.03 µg/L 0.06 µg/L 0.008 µg/L 0.02 µg/L 0.01 µg/L 0.5 µg/L 0.04 µg/L 0.007 µg/L 0.02 µg/L		
<b>EPA 1694 Group 2</b> <b>Protocol ID: 20_12_01</b>  <b>Sample Container:</b> 250 mL amber glass bottle <b>Sample Size:</b> 250 mL <b>Preservation:</b> Cool, < 6°C <b>Holding Time:</b> 30 Days <b>Estimated Turnaround Time:</b> 6-8 Weeks	<b>Anhydrochlortetracycline (ACTC)</b> <b>Anhydrotetracycline (ATC)</b> <b>Chlortetracycline (CTC)</b> <b>Demeclocycline</b> <b>Doxycycline</b> <b>Epianhydrochlortetracycline (EACTC)</b> <b>Epichlortetracycline (ECTC)</b> <b>Epioxytetracycline (EOTC)</b>	Pending Pending Pending Pending Pending Pending Pending Pending	<b>\$283.50</b>	\$226.80

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Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p><b>Reference:</b> (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".</p>	<p><b>Epitetracycline</b> <b>Isochlortetracycline (ICTC)</b> <b>Minocycline</b> <b>Oxytetracycline (OTC)</b> <b>Tetracycline (TC)</b></p>	<p>Pending Pending Pending Pending Pending</p>		
<p><b>EPA 1694 Group 3</b> <b>Protocol ID: 20_13_01</b></p> <p><b>Sample Container:</b> 250 mL amber glass bottle <b>Sample Size:</b> 250 mL <b>Preservation:</b> Cool, &lt; 6°C <b>Holding Time:</b> 30 Days <b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>Reference:</b> (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".</p>	<p><b>Gemfibrozil</b> <b>Ibuprofen</b> <b>Naproxen</b> <b>Triclocarban</b> <b>Triclosan</b> <b>Warfarin</b></p>	<p>Pending Pending Pending Pending Pending Pending</p>	<p><b>\$283.50</b></p>	<p>\$226.80</p>
<p><b>EPA 1694 Group 4</b> <b>Protocol ID: 20_14_01</b></p> <p><b>Sample Container:</b> 250 mL amber glass bottle <b>Sample Size:</b> 250 mL <b>Preservation:</b> Cool, &lt; 6°C <b>Holding Time:</b> 30 Days <b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>Reference:</b> (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".</p>	<p><b>Albuterol</b> <b>Cimetidine</b> <b>Metformin</b> <b>Ranitidine</b></p>	<p>Pending Pending Pending Pending</p>	<p><b>\$283.50</b></p>	<p>\$226.80</p>
<p><b>Atrazine Metabolites and Nitrosoatrazine</b> <b>Protocol ID: 20_16_01</b></p> <p><b>Sample Container:</b> 250 mL glass bottle <b>Sample Size:</b> 250 mL <b>Preservation:</b> Cool, &lt; 6°C <b>Holding Time:</b> 30 Days <b>Estimated Turnaround Time:</b> 6-8 Weeks</p>	<p><b>Atrazine</b> <b>Atrazine Mercapturate</b> <b>DDA</b> <b>DEA</b> <b>DIA</b> <b>N-nitrosoatrazine</b></p>	<p>Pending Pending Pending Pending Pending Pending</p>	<p><b>\$231.00</b></p>	<p>\$184.80</p>

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Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p><b>Perfluorinated Acids (PFAS) EPA 1633</b></p> <p><b>Protocol ID: 20_17_01</b></p> <p><b>Sample Container:</b> 250 mL glass bottle</p> <p><b>Sample Size:</b> 250 mL</p> <p><b>Preservation:</b> Cool, &lt; 6°C</p> <p><b>Holding Time:</b> 30 Days</p> <p><b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>References:</b>  (2023), "EPA 1633 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS".</p> <p>"Method developed internally at WSL",</p>	<p><b>11CI-PF3OUdS</b></p> <p><b>3:3FTCA</b></p> <p><b>4:2FTS</b></p> <p><b>5:3FTCA</b></p> <p><b>6:2FTS</b></p> <p><b>7:3FTCA</b></p> <p><b>8:2FTS</b></p> <p><b>9CI-PF3ONS</b></p> <p><b>ADONA</b></p> <p><b>HFPO-DA</b></p> <p><b>NEtFOSA</b></p> <p><b>NEtFOSAA</b></p> <p><b>NEtFOSE</b></p> <p><b>NFDHA</b></p> <p><b>NMeFOSA</b></p> <p><b>NMeFOSAA</b></p> <p><b>NMeFOSE</b></p> <p><b>PFBA</b></p> <p><b>PFBS</b></p> <p><b>PFDA</b></p> <p><b>PFDoA</b></p> <p><b>PFDoS</b></p> <p><b>PFDS</b></p> <p><b>PFEESA</b></p> <p><b>PFHpA</b></p> <p><b>PFHpS</b></p> <p><b>PFHxA</b></p> <p><b>PFHxS</b></p> <p><b>PFMBA</b></p> <p><b>PFMPA</b></p> <p><b>PFNA</b></p> <p><b>PFNS</b></p> <p><b>PFOA</b></p> <p><b>PFOS</b></p> <p><b>PFOSA</b></p> <p><b>PFPeA</b></p> <p><b>PFPeS</b></p> <p><b>PFTeDA</b></p> <p><b>PFTrDA</b></p>	<p>0.005 ng/L</p> <p>0.02 ng/L</p> <p>0.03 ng/L</p> <p>0.2 ng/L</p> <p>0.04 ng/L</p> <p>0.09 ng/L</p> <p>0.04 ng/L</p> <p>0.01 ng/L</p> <p>0.01 ng/L</p> <p>0.01 ng/L</p> <p>0.01 ng/L</p> <p>0.2 ng/L</p> <p>0.04 ng/L</p> <p>0.02 ng/L</p> <p>0.01 ng/L</p> <p>0.2 ng/L</p> <p>0.06 ng/L</p> <p>0.007 ng/L</p> <p>0.006 ng/L</p> <p>0.006 ng/L</p> <p>0.007 ng/L</p> <p>0.01 ng/L</p> <p>0.004 ng/L</p> <p>0.005 ng/L</p> <p>0.008 ng/L</p> <p>0.006 ng/L</p> <p>0.01 ng/L</p> <p>0.007 ng/L</p> <p>0.002 ng/L</p> <p>0.005 ng/L</p> <p>0.004 ng/L</p> <p>0.009 ng/L</p> <p>0.02 ng/L</p> <p>0.007 ng/L</p> <p>0.01 ng/L</p> <p>0.003 ng/L</p> <p>0.01 ng/L</p> <p>0.004 ng/L</p>	<p><b>\$280.00</b></p>	<p>\$224.00</p>

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Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
	PFUnA	0.004 ng/L		
<p><b>EPA 1694 Group 1 (Veterinary Usage)</b>  <b>Protocol ID: 20_21_01</b></p> <p><b>Sample Container:</b> 250 mL amber glass bottle  <b>Sample Size:</b> 250 mL  <b>Preservation:</b> Cool, &lt; 6°C  <b>Holding Time:</b> 30 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p> <p><b>Reference:</b>  (2007), "EPA 1694 Pharmaceuticals and Personal Care Products in Water, Soil, Sediment, and Biosolids by HPLC/MS/MS".</p>	<p>Ampicillin  Azithromycin  Carbadox  Cefotaxime  Ceftiofur  Ciprofloxacin  Clarithromycin  Danofloxacin  DCCD  Erythromycin  Florfenicol  Lincomycin  Monensin  Novobiocin  Ormetoprim  Oxacillin  Oxolinic acid  Penicillin G  Penicillin V  Penillic Acid  Roxithromycin  Sulfachlorpyridazine  Sulfadiazine  Sulfadimethoxine  Sulfamerazine  Sulfamethazine  Sulfamethiazole  Sulfamethoxazole  Sulfanilamide  Sulfathiazole  Thiabendazole  Tiamulin  Trimethoprim  Tylosin  Virginiamycin</p>	<p>0.02 µg/L  0.02 µg/L  0.02 µg/L  0.3 µg/L  0.1 µg/L  0.04 µg/L  0.04 µg/L  0.05 µg/L  0.07 µg/L  0.003 µg/L  0.5 µg/L  0.04 µg/L  0.1 µg/L  Pending  0.01 µg/L  0.5 µg/L  0.04 µg/L  0.2 µg/L  0.4 µg/L  0.03 µg/L  0.02 µg/L  0.03 µg/L  0.007 µg/L  0.02 µg/L  0.01 µg/L  0.01 µg/L  0.05 µg/L  0.02 µg/L  0.1 µg/L  0.2 µg/L  0.008 µg/L  0.03 µg/L  0.01 µg/L  0.02 µg/L  0.5 µg/L</p>	<p><b>\$231.00</b></p>	<p>\$184.80</p>

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Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p><b>Neonicotinoid Mammalian Metabolites</b>  <b>Protocol ID: 20_22_01</b></p> <p><b>Sample Container:</b> 250 mL amber glass bottle  <b>Sample Size:</b> 100 mL  <b>Preservation:</b> Cool, &lt; 6°C  <b>Holding Time:</b> 30 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p>	<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</p>	<p>0.01 µg/L  0.02 µg/L  0.003 µg/L  0.001 µg/L  0.02 µg/L  0.002 µg/L  0.01 µg/L  0.001 µg/L  0.02 µg/L  0.02 µg/L  0.03 µg/L  0.02 µg/L  0.002 µg/L  0.002 µg/L  0.001 µg/L  0.001 µg/L  0.001 µg/L  0.01 µg/L</p>	<p><b>\$231.00</b></p>	<p>\$184.80</p>
<p><b>Neonicotinoid Mammalian Metabolites (Wastewater)</b>  <b>Protocol ID: 20_22_03</b></p> <p><b>Sample Container:</b> 250 mL amber glass bottle  <b>Sample Size:</b> 20 mL  <b>Preservation:</b> Cool, &lt; 6°C  <b>Holding Time:</b> 30 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p>	<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</p>	<p>0.06 µg/L  0.02 µg/L  0.006 µg/L  0.004 µg/L  0.05 µg/L  0.004 µg/L  0.05 µg/L  0.003 µg/L  0.03 µg/L  0.03 µg/L  0.08 µg/L  0.04 µg/L  0.004 µg/L  0.008 µg/L  0.007 µg/L  0.01 µg/L  0.009 µg/L  0.05 µg/L</p>	<p><b>\$231.00</b></p>	<p>\$184.80</p>

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