Water Sciences Laboratory
Analyte/Protocol Price List
2019

Nebraska Water Center
Daugherty Water *for* Food Global Institute

Environmental :: Extracts

Nebraska Water Center, a part of the
Robert B. Daugherty Water for Food Global Institute at the University of Nebraska
e:dsnow1.unl.edu | p: 1 402.472.7539 | f: 1 402.472.9599 | c: 1 402.304.3748

Protocol	Analyte	Reporting Level	Protocol Cost	NU Cost (20% discount)
Agricultural herbicides in extracts **Protocol ID:** 06_01_05 **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", *Anal. Chim. Acta* **287**, 7-15. **Sample Container:** 2 mL GC Vial **Sample Size:** 2 mL **Preservation:** Cool, < 6ºC **Holding Time:** 14 Days **Estimated Turnaround Time:** 6-8 Weeks	**Acetochlor** **Alachlor** **Atrazine** **Butylate** **Chlorothalonil** **Cyanazine** **DEA** **DIA** **Dimethenamid** **EPTC** **Metolachlor** **Metribuzin** **Norflurazon** **Pendimethalin** **Permethrin** **Prometon** **Propachlor** **Propazine** **Simazine** **Tefluthrin** **Trifluralin**	0.5 ng 0.5 ng	**$55.00**	$44.00
Chlorinated pesticides in extracts **Protocol ID:** 06_02_05 **Reference:** Lopez-Avila, V.; Young, R.; Beckert, W. F. (1994), "Microwave-Assisted Extraction of Organic Compounds from Standard Reference Soils and Sediments", *Anal. Chem.* **66**, 1097-1106. (2011), "EPA 8270 Analysis of Semivolatile Organic Compounds by	**4,4-DDE** **4,4-DDT** **α-BHC** **Aldrin** **ß-BHC** **δ-BHC** **Dieldrin** **γ-BHC (Lindane)**	0.03 ng 0.03 ng 0.04 ng 0.05 ng 0.04 ng 0.06 ng 0.1 ng 0.07 ng	**$55.00**	$44.00

Protocol	Analyte	Reporting Level	Protocol Cost	NU Cost (20% discount)
Combined Gas Chromatography/Mass Spectrometry (GC/MS)". **Sample Container:** 2 mL GC Vial **Sample Size:** 2 mL **Preservation:** Cool, < 6ºC **Holding Time:** 14 Days **Estimated Turnaround Time:** 6-8 Weeks	**Heptachlor** **Trifluralin**	0.04 ng 0.02 ng		
Insecticides and Fungicides in extracts **Protocol ID:** 06_05_05 **Reference:** Hladik, M. L.; Kuivila, K. M. (2009), "Assessing the Occurrence and Distribution of Pyrethroids in Water and Suspended Sediments", *J. Agric. Food Chem.* **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". **Sample Container:** 2 mL GC Vial **Sample Size:** 2 mL **Preservation:** Cool, < 6ºC **Holding Time:** 14 Days **Estimated Turnaround Time:** 6-8 Weeks	**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** **Pyrimethanil** **Quinoxyfen** **Tebuconazole** **Tefluthrin** **Triadimefon**	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	**$55.00**	$44.00

Turnaround times are subject to existing sample queues. Reporting Limits are subject to verification * = protocol cost is per analyte & = add digestion cost of $8/sample

Protocol	Analyte	Reporting Level	Protocol Cost	NU Cost (20% discount)
Steroids in extracts **Protocol ID:** 15_01_05 **Reference:** Snow, D. D.; Damon-Powell, T.; Onanong, S.; Cassada, D. A. (2013), "Sensitive and simplified analysis of natural and synthetic steroids in water and solids using on-line solid phase extraction and microwave-assisted solvent extraction coupled to liquid chromatography tandem mass spectrometry atmospheric pressure photoionization", *Anal. Bioanal. Chem.* **405**(5), 1759-1771. **Sample Container:** 2 mL GC Vial **Sample Size:** 2 mL **Preservation:** Cool, < 6ºC **Holding Time:** 30 Days **Estimated Turnaround Time:** 6-8 Weeks	**17α-Estradiol** **17α-Ethynyl Estradiol** **17α-Hydroxyprogesterone** **17α-Trenbolone** **17b-Estradiol** **17b-Trenbolone** **4-Androstenedione** **Androstanedienedione** **Androsterone** **a-Zearalanol** **a-Zearalenol** **b-Zearalanol** **b-Zearalenol** **Epitestosterone** **Estriol** **Estrone** **Melengesterol Acetate** **Progesterone** **Testolactone** **Testosterone** **Trendione**	0.5 ng 0.5 ng	**$110.00**	$88.00
Neonicotinoid/strobularin pesticides in extracts **Protocol ID:** 15_02_05 **Sample Container:** 2 mL GC Vial **Sample Size:** 2 mL **Preservation:** Cool, < 6ºC **Holding Time:** 30 Days **Estimated Turnaround Time:** 6-8 Weeks	**Acetamiprid** **Azoxystrobin** **Clothianidin** **Dimethoate** **Dinotefuran** **Imidacloprid** **Metalaxyl** **Picoxystrobin** **Pyraclostrobin** **Thiacloprid** **Thiamethoxam** **Trifloxystrobin**	0.01 ng 0.01 ng 0.01 ng 0.01 ng 0.01 ng 0.01 ng 0.01 ng 0.01 ng 0.01 ng 0.01 ng 0.01 ng 0.01 ng	**$110.00**	$88.00

Turnaround times are subject to existing sample queues. Reporting Limits are subject to verification * = protocol cost is per analyte & = add digestion cost of $8/sample

Protocol	Analyte	Reporting Level	Protocol Cost	NU Cost (20% discount)
Pharmaceutical and personal care products (PPCPS) in extracts **Protocol ID:** 15_03_05 **Sample Container:** 2 mL GC Vial **Sample Size:** 2 mL **Preservation:** Cool, < 6ºC **Holding Time:** 30 Days **Estimated Turnaround Time:** 6-8 Weeks	**Gemfibrozil** **Ibuprofen** **Naproxen** **Triclosan** **Warfarin**	Pending Pending Pending Pending Pending	**$110.00**	$88.00
Pharmaceutical and Illicit Compounds in extracts **Protocol ID:** 16_01_05 **Sample Container:** 2 mL GC Vial **Sample Size:** 2 mL **Preservation:** Cool, < 6ºC **Holding Time:** 30 Days **Estimated Turnaround Time:** 6-8 Weeks	**1,7-Dimethylxanthine** **Acetaminophen** **Amphetamine** **Azithromycin** **Caffeine** **Carbamazepine** **Cimetidine** **Cotinine** **Diphenhydramine** **Fluoxetine** **Hydrocodone** **MDA** **MDMA** **Metaxalone** **Methadone** **Methamphetamine** **Morphine** **Oxycodone** **Phenazone** **Sulfachloropyridazine** **Sulfamethazine** **Sulfamethoxazole** **Temazepam** **Thiabendazole** **Trimethoprim**	0.01 ng 0.01 ng 0.01 ng Pending 0.01 ng 0.01 ng 0.01 ng 0.01 ng 0.01 ng Pending Pending 0.01 ng 0.01 ng Pending Pending 0.01 ng 0.01 ng Pending 0.01 ng 0.01 ng 0.01 ng 0.01 ng Pending 0.01 ng 0.01 ng	**$110.00**	$88.00

Turnaround times are subject to existing sample queues. Reporting Limits are subject to verification * = protocol cost is per analyte & = add digestion cost of $8/sample

Protocol	Analyte	Reporting Level	Protocol Cost	NU Cost (20% discount)
Vet pharmaceuticals in extracts **Protocol ID:** 16_02_05 **Sample Container:** 2 mL GC Vial **Sample Size:** 2 mL **Preservation:** Cool, < 6ºC **Holding Time:** 30 Days **Estimated Turnaround Time:** 6-8 Weeks	**Chlortetracycline**	25 ng	**$110.00**	$88.00
	Enrofloxacin	16 ng		
	Florfenicol	8 ng		
	Lincomycin	6 ng		
	Monensin	24 ng		
	Oxytetracycline	16 ng		
	Ractopamine	8 ng		
	Sulfadiazine	6 ng		
	Sulfadimethoxine	3 ng		
	Sulfamerazine	6 ng		
	Sulfamethazine	12 ng		
	Sulfamethizole	3 ng		
	Sulfamethoxazole	6 ng		
	Sulfathiazole	5 ng		
	Tetracycline	8 ng		
	Tildipirosin	13 ng		
	Trimethoprim	2 ng		
	Tulathromycin A	24 ng		

Turnaround times are subject to existing sample queues. Reporting Limits are subject to verification * = protocol cost is per analyte & = add digestion cost of $8/sample