Louisiana State University

Price List

Contact: Thomas Blanchard Lab/Office Ph# (225) 578-9370 Revised: August 2018 Prices valid to December 31, 2018

Code	Description	Cost p	(\$) *^	
		LSU	Research Community	Industr
Water	Analysis Requested	230	Community	muusu
<u>mater</u>				
W-01	Lab Fee (preparation by client using WBAS supplies and materials)^*	1.00	1.50	3.00
W-02	Filter Samples for Nutrients, Chlorophyll, Metals, DOC/DIC analysis, Etc.	5.00	8.00	10.00
W-03	NO2	5.25	7.00	12.00
W-04	(NO2 + NO3)	5.25	7.00	12.00
W-05	NO3 Only (NO2+NO3)-NO2	6.00	8.00	13.71
W-06	NH4	5.25	7.00	12.00
W-07	SiO4	5.25	7.00	12.00
W-08	PO4	5.25	7.00	12.00
W-09	Total N and Total P (Persulfate digestion and analysis)	16.00	21.00	40.00
W-10	Total Carbon (Shimazu TOC-V analyzer)	10.00	13.50	22.85
W-10 W-11	Total Nitrogen (Shimazu TOC analyzer w/ TMN-1 unit)	10.00	13.50	22.85
W-11 W-12	Carbon (organic or Inorganic)	10.00	13.50	22.85
W-12 W-13	Carbon (organic or Inorganic) Plus Total Nitrogen	15.00	20.00	34.28
W-13 W-14	Carbon (TC, IC, and TOC)	12.00	15.50	30.00
W-14 W-15	TKN (digestion and analysis)	8.00	10.50	20.00
W-15 W-16	Total Suspended Solids (TSS, will use alaquiot from origonal sample)	10.00	14.00	25.00
W-10 W-17	Total Suspended Solids (TSS) and Total Volatile Solids (TVS)	13.00	18.00	32.50
W-17 W-18			28.00	50.00
W-18 W-19	Suspended Sediment Concretrations (SSC, will filter entire sample)	20.00		
	Suspended Sediment Concnetrations (SSC) Total Volatile Solids (TVS)		35.00	62.50
W-20	Mercury Analysis (water samples)	50.00	70.00	100.0
W-21	pH - water samples	3.00	4.20	7.50
W-22	Electrical Conductivity - water samples	3.50	5.00	9.00
W-23	Alkalinity (Titrimetric to pH 4.5)	8.00	11.00	20.00
W-24	Digestion of liquid samples	5.00	7.00	12.50
W-25	Sulfate Determination (IC analysis)	9.00	13.00	22.50
W-26	Inorganic Carbon (Triplicate Analysis per samples)	30.00	35.00	40.00
<u>Metals</u>	ICP-OES Spectrophotometer Varian-MPX			
M-01	Set-up Fee Per set of samples	20.00	20.00	20.00
M-02	Special Samples less than 5 ml total volume (1.5 ml minimum)	15.00	21.00	37.50
M-03	ICP Analysis - Any 10 metals (Extra for unfiltered samples. See W02)	7.00	10.00	14.00
M-04	ICP Analysis - Any additional metal after 10	0.25	0.35	0.5
M-05	Priority Samples Analysis - Any 10 metals	25.00	35.00	55.00
M-06	Sample Digestion (NHO3, H2SO4 or HCL)	10.00	14.00	20.00
M-07	Dilution and Re-analysis (will consult client)	2.00	2.50	4.00
Note	For ICP analysis, samples must be filtered. Rate W-2 will apply for unfiltered samples			
lorophyl	II Waters and Sediments			
CHL-01	Chlorophyll a - filter samples	7.00	10.00	14.00
CHL-02	Chlorophyll a - sediment samples	10.00	14.00	20.00
CHL-03	Lab Fee (preparation by client using WBAS materials and equipment)	1.00 5.00	2.00 8.00	3.00
NOTE:	Filtration extra: see W02	5.00	0.00	10.00

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Isotopes	C/N/Cs isotopes	230	community	muusu
MS-03		9.50	13.50	14.00
MS-03	N and C - gas samples (analysis only) 15N and 13C - solid samples (analysis only)	9.50	14.00	
MS-01 MS-02		10.00	20.00	20.00
MS-02 MS-05	15N and 13C - solid samples (preparation and analysis)	12.00	17.00	28.00
MS-06	N2/Ar ratio analysis in water (per sample)			3.00
M3-00	Lab Fee (preparation by client using WBAS materials and equipment)	1.00	2.00	5.00
Isotopes	Gamma Spectrometry (price per sample)			
GS-1	Low precision (24 hour counting)	30	40	50
GS-2	Medium precision (48 hour counting)	60	80	100
GS-3	High precision (72 hour counting)	90	120	140
Soils and S	ediment and Plant Material			
S-01	Lab Fee (preparation by client using WBAS materials and consumables)	0.25	0.35	1.00
S-02	Ball Mill Grinder (used by client) per 50 samples	5.00	7.00	12.50
S-03	Grinding (soils and sediments)	3.50	5.25	10.00
S-04	Grinding, Ball Mill (Plant material)	4.00	6.00	10.00
S-05	Bulk Density and % Moisture (drying, weighing, and calculation)	4.00	6.00	10.00
	Homengenization of wet sample (less than 200 gm)	1.00	1.50	2.00
S-07	Homengenization of wet sample (> 200 gm)	3.00	4.00	6.00
S-08	Total C and total N (prepared by client)	5.00	7.00	12.50
	Total C and total N (prepared by WBAS)	9.00	12.00	22.50
S-10	Total Organic Carbon (Analysis Only)	6.00	8.50	15.00
S-11	Total Organic Carbon (includes fumigation, repacking and analysis)	12.00	17.00	30.00
S-12	Particulate Carbon and Nitrogen (Samples on Filters) prepared by Client	9.00	13.00	22.50
S-13	Particulate Carbon and Nitrogen (Samples on Filters) prepared by WBAS	13	19.00	32.50
	Total Phosphorus (includes Ashing, HCl Extraction, and analysis)	14.00	20.00	35.00
	Total Phosphorus analysis only on Auto Analyzer see W-08	14.00	20.00	55.00
		10.00	14.00	20.00
	Total Phosphorus Digestion - Bray 1 or Bray 2 2M KCI Extraction	10.00	14.00	20.00
S-18	Routine hot NHO3, HCl, or H2SO4 acid digestion	10.00	14.00	20.00
S-19	TKN Digestion	10.00	14.00	20.00
<u>S-20</u>	Sequential PO4 (Extraction and Analysis)	500.00	650.00	760.00
S-21	Laser grain size analysis for sediments	20.00	28.00	20.00
<u>S-22</u>	Laser grain size analysis for sediments (Organic treatment w/H2O2)	39.00	50.00	39.00
S-23	Bulk package-1 (Bulk Density and Percent Mositure) must be >250 samples	4.00	4.00	20.00
S-24	Bulk package-2 (Grinding soils, LOI) Must be>250 samples	8.50	11.00	21.25
S-25	Bulk package-3 (Grinding soils, LOI, TP) Must be > 250 samples	22.50	28.00	56.25
S-26	Bulk package-4 (Total carbon/Total Nitrogen) Must be > 250	9.00	11.00	22.50
S-27	Ash Determination	4.00	6.00	11.00
S-28	Loss on Ignition	5.00	7.50	15.00
S-29	pH - soil samples	4.00	6.00	7.50
S-30	Electrical Conductivity - soils and sedimets samples	4.50	6.75	10.00
S-31	Aboveground biomass Sorting (live and dead) per sample per species	5.00	7.00	10.00
S-32	Belowground biomass Sorting (live and dead) per sample per species	12.00	17.00	24.00
S-33	Dry plant (aboveground) Biomass Weighing	4.00	6.00	8.00
S-34	Dry Root (belowground) biomass Weighing	4.00	6.00	8.00
S-35	Measurement of Stem length, Diameter and Density (Per Species bag)	3.00	5.00	6.00
S-36	Microbial Biomass Chloroform Fumigation	2.00	3.00	4.00
S-37	Furnace use - per hour	1.00	2.00	4.00

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			Research	
Plankton	Sorting and Imaging	LSU	Community	Industry
FIAIIKLOII				
	Mesozooplankton			
PLK-01	Split and scan samples and deliver images (0-50mL displacement volume)	100	100	200
PLK-02	Split and scan samples and deliver images (0 50mL displacement volume)	200	200	400
PLK-03	Split and scan samples and deliver images (>0 150mL displacement volume)	300	300	600
PLK-04	Analyze digital scans to taxa level (all sample sizes)	200	200	400
PLK-05	Analyze all rare taxa (0-50mL displacement volume)*	200	200	400
PLK-06	Analyze all rare taxa (50-150mL displacement volume)*	250	250	500
PLK-07	Analyze all rare taxa (>150mL displacement volume)*	300	300	600
	Ichthyioplankton			
	Mocness Samples			
PLK-08	Sort and pick fish and eggs (0-50mL displacement volume)	250	250	500
PLK-09	Sort and pick fish and eqgs (50-150mL displacement volume)	350	350	700
PLK-10	Sort and pick fish and eggs (>150mL displacement volume)	550	550	1100
	Neuston Samples			
PLK-11	Sort and pick fish and eggs (0-25mL displacement volume)	100	100	200
PLK-12	Sort and pick fish and eggs (25-50mL displacement volume)	150	150	300
PLK-13	Sort and pick fish and eggs (>50mL displacement volume)	250	250	500
PLK-14	Id to species and prepare fish vials (0-50mL displacement volume)	650	650	1300
PLK-15	Id to species and prepare fish vials (50-150mL displacement volume)	650	650	1300
PLK-16	Id to species and prepare fish vials (>150mL displacement volume)	650	650	1300
	Phytoplankton/Microzooplankton			
PLK-17	Run sample in FlowCAM and deliver image files	100	100	200
PLK-18	Analyze digital files (ID and enumerate)	200	200	400
*Must have first	stage analysis already done, this is an add-on and cannot be done indepe	ndantly		
Gas Chrom	hatograph			
GC-01	Shamatzu (Per Hour)	10	12	15
GC-02	SRI (per sample) Operated by WBAS personnel	10	12	20
GC-03	SRI (per sample) Operated by client	5	6	10

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		LSU	Research Community	Industry
Sample Pr	repration			
-				
SP-01	Lab Fee (preparation by client using WBAS materials and consumables)	1	1	2
SP-02	Bottles and Vials Preparation for ready to use (each):	1.5	2	4
SP-03	Sample freezer storage and monitoring (1/4 freezer space per month)	26	30	50
SP-04	Sample filtration for nutrient and chlorophyll analysis	6	7	10
SP-05	Plant rinsing and sorting (live only)	3	4	6
SP-06	Centrifuge use per spin (each spin can handle up to 12 samples)	6	5	10
SP-07	Temperature Controlled Incubations per week (one week min.)	20	30	40
	WBAS will, for a fee, purchase and prepare bottles and vials for projects, experments and sampling trips. Bottles and vials preparation includes acid leaching, rinsing and drying. Requires a 15 day advance notice and is dependent upon material availablity and delivery.			
Water Mo	nitoring			
	U-10 Multiparameter			
WM-01	Price per day (no labor)	30		60
WM-01 WM-02		250		350
WM-02 WM-03	Price per day per technician (Add an additional)	230		330
	TROLL 9500 Water Quality Monitor- Cli			
WM-04	Price per day (no labor)	30		60
WM-05	Price per day per technician (Add an additional)	250		350
	SEACAT 19 plus CTD-CLi			
WM-06	Price per day (no labor)	50		100
WM-00	Price per day (no labor) Price per day per technician (Add an additional)	250		350
	Workhorse 1200 KHz ADCP- CLi	F0		100
WM-08 WM-09	Price per day (no labor) Price per day per technician (Add an additional)	50 250		100 350
	<u>ADCP -CLi</u>			
WM-10	Price per day (no labor)	30		60
WM-11	Price per day per technician (Add an additional)	250		350
	HADCP -CLi			
WM-12	Price per day (no labor)	30		60
WM-13	Price per day per technician (Add an additional)	250		350
	Tide Gauge YSI LS- CLi			
		20		60
WM-14	Price per day (no labor)	30		00

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Wetland Biogeochemistry Analytical Services Louisiana State University

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		LSU	Research Community	Industr
	YSI CTD- CLi			
WM-16	Price per day (no labor)	30		60
WM-10 WM-17	Price per day per technician (Add an additional)	250		350
VVI-17		230		550
	Automated Survey Boat -CLi			
WM-18	Price per day (no labor)	250		500
WM-19	Price per day per technician (Add an additional)	250		350
	Sontek Arhnaut ADP CLi			
WM-20	Price per day (no labor)	30		60
WM-21	Price per day per technician (Add an additional)	250		350
	Workhorse Monitor 600 HKz ADCP- CLi			
WM-22	Price per day (no labor)	30		60
WM-22	Price per day per technician (Add an additional)	250		350
VVIM-23		230		350
	Unmannned Aerial Vehicle- CLi			
WM-24	Price per day (no labor)	250		500
WM-25	Price per day per technician (Add an additional)	250		350
	AquaDopp Monitor			
WM-26	Price per day (no labor)	30		60
WM-27	Price per day per technician (Add an additional)	250		350
/AVIX Ta	nk use			
WM-28	Without wave maker			
	Per day for single day use	200		200
WM-29	With wave maker			
	Per day for single day use	150		150
WM-30	· Technician time setting up the			
	Experiments and instruction.			
	(per Experiment)	450		450

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			Research	
		LSU	Community	Industry

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