

M.Sc. Water Science Lab Course Analytical Chemistry		Status: June 10, 2010						
Group	Direct Supervisor	e-mail direct supervisor	Research Group	Subject	Extension to research practical in principle feasible (for 0, 1 or 2 students)?	Extension to master thesis in principle feasible (Y/N)?	Comments	
	1 Maike Cyris, Dr. Achim Rübel	m.cyris@iww-online.de	Schmidt/IWW	Ozonisation of Gadolinium based Contrast Agents - Evaluation of Degradation by HILIC-ICP-MS	2	Y	Work partly at IWW Water Centre	
	2 Lijun Zhang	lijun.zhang@uni-due.de	Schmidt/Jochmann	Stable carbon isotopic analysis of caffeine in coffee bean and beverage by high temperature liquid chromatography coupled to isotope ratio mass spectrometry	1		Topic already taken	
	3 Thorsten Huffer	thorsten.hueffer@stud.uni-due.de	Schmidt	Sorption of organic compounds on multi-walled carbon nanotubes	1	yes	one student	
	4 Lena Saptalena	lana.saptalena@uni-due.de	Schmidt/Telgheder	Determination of volatile metabolites of fecal contaminants in water samples by GC-DMS	1	y		
	5 Dr. Ursula Telgheder	ursula.telgheder@uni-due.de	Schmidt/Telgheder	Extraction of pharmaceuticals by stir bar sorptive extraction with detection by TDS-DMS	1	y		
	6 Alexandra Jarocki	alexandra.jarocki@uni-due.de	Schmidt	Transfer of a HPLC method for separation and detection of aldehydes to UPLC	1	Y		
	7 Alexander Ewert	alexander.ewert@uni-due.de	Schmidt	Bestimmung und Quantifizierung von aromatischen Aminen in verschiedenen Abwässern mit GCxGC-qMS	1	Y		
	8 Holger Lutze	Holger.lutze@uni-due.de	Schmidt	Sulfate radical based oxidation for pollutant control in aqueous systems-efficiency and side effects	1	Y	Topic already taken	
	9 Dr. Maik Jochmann, Dr. Roland Diaz-Bone	roland.diaz@uni-due.de	Schmidt/Jochmann	Optimization of hydride-generation -GC-IRMS for determination of carbon isotope ratio of organometal(loid) compounds	1-2	y		
	1 Christine Erger	c.erger@iww-online.de	IWW	Determination of organic compounds in suspended particulate matter containing water samples by different methods	0	N	Only possible until early December.	
	2 Maike Cyris, Dr. Achim Rübel	m.cyris@iww-online.de , a.ruebel@iww-online.de	IWW	Speciation analysis of platinum containing anti-cancer drugs using HILIC-ICP-MS	1	N	IWW Water Centre	
	3 Achim Rübel	a.ruebel@iww-online.de	IWW	Colorimetric analysis of arsenic in water using gold nanoparticles	1	Y	Topic already taken	
1	Dr. Jochen Türk	Tuerk@iuta.de	IUTA	LC-MS/MS analysis and elimination of micropollutants from waste water treatment plant effluents	1 to 2	Y		
2	Dr. Jochen Türk	Tuerk@iuta.de		LC-MS method development for polar compounds	1 to 2	Y		
3	Dr. Jochen Türk	Tuerk@iuta.de		Determination of estrogen activity of waste water effluents using genetically modified yeasts	1 to 2	Y		
4	Dr. Jochen Türk	Tuerk@iuta.de		Identification of transformation products using nano-LC-ToF and LC-MS ⁿ	1 to 2	Y		
5	Dr. Thorsten Teutenberg	Teutenberg@iuta.de		HPLC method development using ChromSwordAuto	1 to 2	Y		
6	Dr. Thorsten Teutenberg	Teutenberg@iuta.de		HPLC method development using Phased optimized liquid chromatography (POPLC)	1 to 2	Y		
	1 Nachtigall, Lababidi und Gaspar	wschrader@mpi-muelheim.mpg.de	Schrader	Untersuchungen von Erdölproben mit Chromatographie und hochauflösender Massenspektrometrie				