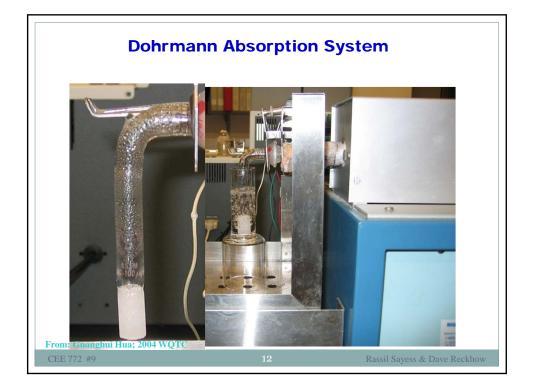
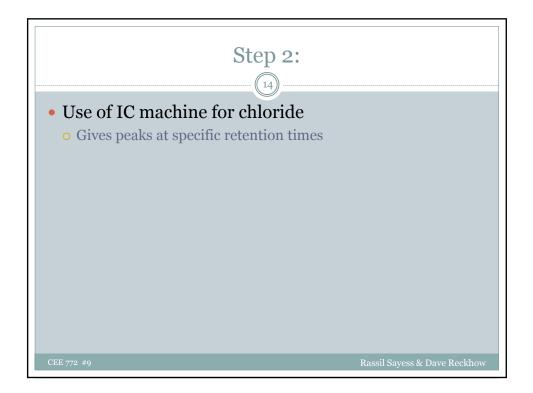


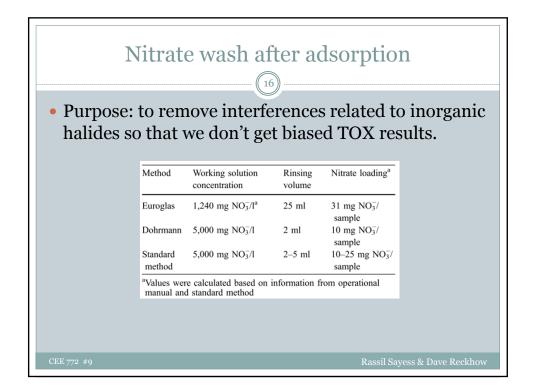
	Dohrmann	Euroglas
Gas	O2 (carrier) CO2 (auxiliary)	O2 (carrier)
Drying prior to combustion	250 decC, 2 min CO2 gas only	1.5 min
Furnace temperature (deg C)	800 O2 only	1000
Exit temperature (degC)	-	300
Acid to remove the water vapour in the off-gas	-	H2SO4
Reaction gas containing hydrogen halides collected	15 mL then 5 mL rinse=20 mL	15 mL then 5 mL rinse=20 mL

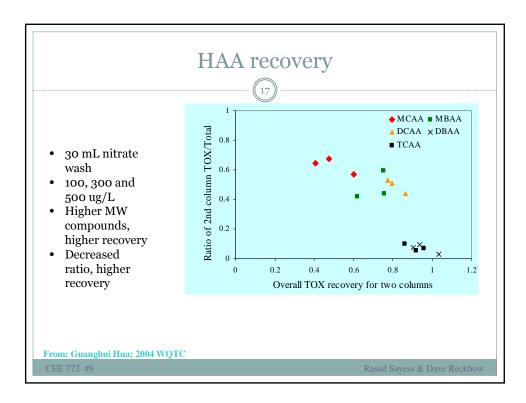






	Carbon Identification				
Characteristics	CPI-002 (standard)	CPI-001	F-600		
Supplier	CPI	CPI	Calgon		
Source	Coconut	Coconut	Coal		
Particle Size	100-200 mesh (149-249 um opening)	100-200 mesh (149-249 um opening)	Granular		
Background	0.4 μgCl/40mg	≤1.0 μgCl/40mg	Unknown		

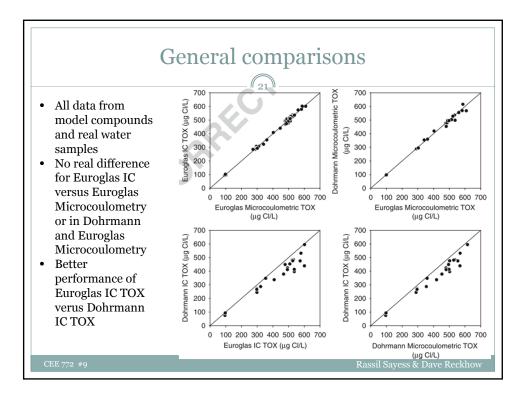




J)		
Standards	Washing volume		2nd column (µg Cl/l)		Recovery
DCAA	30 ml	108	125	233	78%
300 µg	25 ml	141	112	253	85%
Cl/l	13 ml	208	77	285	95%
	High solutHigh	ion	L used with 13 mL volumes caus		-

Halide	Concentration (mg/L)	CPI-002	CPI-001	F-600
Cl-	1000	500,000	500,000	200,00
Br⁻	500	250,000	250,000	45,000
1-	1	>100	>100	12
ŀ	5	30	>100	3

	<u> </u>	alyzer/IC ve /icrocoulom		
Γ		Recovery (%)		
	Compound	Microcoulometric	IC	
Ī	Dibromochloromethane	103	104	
ľ	Dichlorobromomethane	102	101	
ľ	Bromoform	98	98	
[Triboromoacetic acid	98	98	
	Trichloroacetic acid	100	97	
[Dibromoacetic acid	102	101	
Ī	Dichloroacetic acid	98	101	
Ĩ	Bromochloroacetic acid	97	100	
ľ	Monoiodoacetic acid	99	94	
ľ	Monobromoacetic acid	96	95	
Ĩ	Monochloroacetic acid	91	92	
CEE 772 #9			Rassil Sayess & Dave Reckhow	



Compound Name	Goslan et al., 2009	Ye et al., 2012	Pan and Zhang, 2013	Hua et al., 2006	Richardson et al 2008			
Dichloroiodomethane	USEPA 551.1	-	-	Pentane extraction GC/ECD	USEPA 552.3			
Bromochloroiodomethane	USEPA 551.1	-	-	Pentane extraction GC/ECD	USEPA 552.3			
Iodoform	-	USEPA 551.1	-	Pentane extraction GC/ECD	-			
Iodoacetic acid		USEPA 551.1	UPLC/ESI-MS/MS	-	USEPA 552.3			
Triiodoactic acid	-	USEPA 551.1	-	-	-			
3-iodo-4-hydroxybenzoic acid	-	-	UPLC/ESI-MS/MS	-	-			
Diiodoacetic acid	-	-	UPLC/ESI-MS/MS	-	-			
3,5-diiodo-4- hydroxybenzaldehyde		-	UPLC/ESI-MS/MS	-	-			
2,6-diiodo-4-nitrophenol	-	-	UPLC/ESI-MS/MS	-	-			
2,4,6-triiodophenol		-	UPLC/ESI-MS/MS	-	-			
Chloroiodomethane		-	-	Pentane extraction GC/ECD				
Dibromoiodomethane	-	-	-	Pentane extraction GC/ECD				
Bromoiodomethane	-	-	-	Pentane extraction GC/ECD				
Dichlerödiddomethane	-	-	-	Rassil Savess & Da	USEPA 552.3			
Bromoiodoacetic acid		-	-	-	USEPA 552.3			

