

Group	Compound	Blank (ppb)	S1 (ppb)	S2 (ppb)
Y	Sudan I	ND	0.20	0.11
	Sudan II	0.43	0.70	0.61
	Sudan III	ND	0.33	0.14
	Sudan IV	0.11	0.33	0.05
	Sudan Black B	ND	1.81	0.61
	Sudan Orange G	ND	ND	ND
	Sudan Red B	pls refer Sudan IV, structural isomer, same MS transitions		
	Sudan Red G	ND	ND	ND
	Sudan Red 7B	ND	ND	ND
	Rhodamine B	ND	ND	ND
	Para red	ND	0.19	0.10
LC Parameters for Y	Column Used	ACQUITY BEH C8 100 mm x 2.1 mm, 1.7 μm		
	Mobile Phase (A:B)	(A)Water (0.1%FA) (B) Acetonitrile		
	Gradient	40% B (0 min) → 99% B (4 min) → 99% B (6 min) → 40% B (6.3 min) → 40% B (8 min)		
Group	Compound	Blank (ppb)	S1 (ppb)	S2 (ppb)
Z	Acesulfame K	ND	0.93	0.43
	Advantame	ND	1.04	0.49
	Aspartame	ND	1	0.45
	Neotame	ND	ND	ND
	Saccharin	ND	1.18	0.46
	Sodium Cyclamate	ND	ND	ND
	Sucralose	ND	9.37	5.29
	Alitame	ND	ND	ND
	Stevioside	ND	ND	ND
	Rebaudioside A	ND	ND	ND
LC Parameters for Z	Column Used	ACQUITY HSS T3 100 mm x 2.1 mm, 1.8 μm		
	Mobile Phase (A:B)	(A)Water with 0.1% Formic Acid (B) Acetonitrile with 0.1% Formic Acid		
	Gradient	5% B (0 min) → 40% B (1.6 min) → 95% B (3.5 min) → 95% B (5 min) → 5% B (5.1 min) → 5% B (8.1 min)		