

Table 8. Retention times, relative retention times, and ions for chloroacetanilide herbicide metabolites analyzed using high-performance liquid chromatography/mass spectrometry [min, minute; m/z, mass-to-charge ratio; OXA, oxanilic acid; ESA, ethanesulfonic acid; --, not applicable]

Compound	Retention time (min)	Relative retention time	Quantitation ion (m/z)	Fragmentation ion(s) (m/z)
Metabolites (in order of increasing retention time)				
Metolachlor OXA	37.655	1.754	278	206
Alachlor OXA	38.031	1.772	264	160, 192
Acetochlor OXA	38.258	1.782	264	146
Alachlor ESA	48.368	2.253	314	--
Metolachlor ESA	49.283	2.296	328	--
Acetochlor ESA	49.532	2.308	314	--
Internal standard				
2,4-dichlorophenoxyacetic acid	21.465	1.000	219	161