



COMPARISON OF ANION METHODS

Anion	CAS No.	EPA 218.6	EPA 300.0 / 300.1	EPA 314.0	EPA 317.0	EPA 7199	EPA 9056A	EPA 9058
Acetate (CH ₃ COO ⁻)	64-19-7 [#]		● ^Z					
Bromide (Br ⁻)	24959-67-9		●				●	
Bromate (BrO ₃ ⁻)	15541-45-4		●		●			
Chloride (Cl ⁻)	16887-00-6		●				●	
Chlorate (ClO ₃ ⁻)	14866-68-3		●					
Chlorite (ClO ₂ ⁻)	7758-19-2 [@]		●					
Citrate (C ₆ H ₅ O ₇ ⁻³)	77-92-9 [#]							
Fluoride (F ⁻)	16984-48-8		●				●	
Formate (HCOO ⁻)	64-18-6 [#]		● ^Z					
Glycolate (C ₂ H ₂ O ₃ ⁻)	79-14-1 [#]		● ^Z					
Hexachrome (CrO ₄ ⁻²) as Cr	11104-59-9	●				●		
Iodate (IO ₃ ⁻)	7681-55-2 [@]		● ^Z					
Iodide (I ⁻)	20461-54-5		● ^Z					
Lactate (C ₆ H ₅ O ₃ ⁻)	50-21-5 [#]		● ^Z					
Malate (C ₄ H ₄ O ₅ ⁻²)	6915-15-7 [#]		● ^Z					
Maleate (C ₄ H ₂ O ₄ ⁻²)	110-16-7 [#]		● ^Z					
Nitrate (NO ₃ ⁻) as N	14797-55-8		●				●	
Nitrilotriacetate (NTA) [N(CH ₂ COO) ₃ ⁻³]	139-13-9 [#]		● ^Z					
Nitrite (NO ₂ ⁻) as N	14797-65-0		●				●	
Oxalate (O ₂ CCOO ⁻)	144-62-7 [#]		● ^Z					
Perchlorate (ClO ₄ ⁻)	14797-73-0			●				●
Phosphate (PO ₄ ⁻³) as P	10049-21-5 [@]		●				●	
Propionate (C ₃ H ₅ O ₂ ⁻¹)	79-09-4 [#]		● ^Z					
Succinate (C ₄ H ₄ O ₄ ⁻²)	110-15-6 [#]		● ^Z					
Sulfate (SO ₄ ⁻²)	14808-79-8		●				●	
Sulfide (S ⁻²)	18496-25-8							
Sulfite (SO ₃ ⁻)	14265-45-3		● ^Z					
Tartrate (C ₄ H ₄ O ₆ ⁻²)	87-69-4 [#]		● ^Z					
Thiocyanate (SCN ⁻)	463-56-9 [#]		● ^Z					
Thiosulfate (S ₂ O ₃ ⁻²)	10102-17-7 [@]		● ^Z					

Anions are analyzed as individual analytes rather than as groups because their concentrations often differ radically. For example Cl⁻ by EPA 300.0 should be requested rather than just 300.0. Upon request, groups such as the Disinfection Byproducts, some combinations of organic acids, or even the common anions can be analyzed at negotiated pricing.

[#] CAS numbers for the acid form of the listed anion.

[@] CAS number for the sodium form of the listed anion.

- (Black print)= Basic Target Analyte, i.e. its name and result will appear on our routine reports.
- (Grey print)= Compound that can be added upon request to our basic target list. There is usually an extra charge.
- ^Z (Black or Grey print)= Compound added to formal method target list