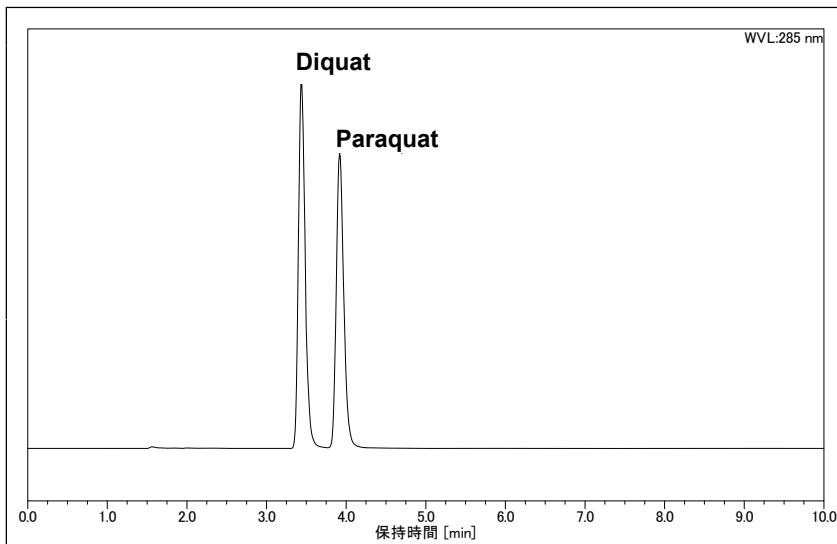


## Analysis of Pesticides (1)

Analysis of a standard and common pesticide was done with "Develosil RPAQUEOUS-AR-5". This column has high durability in acidic conditions among the C30 series.

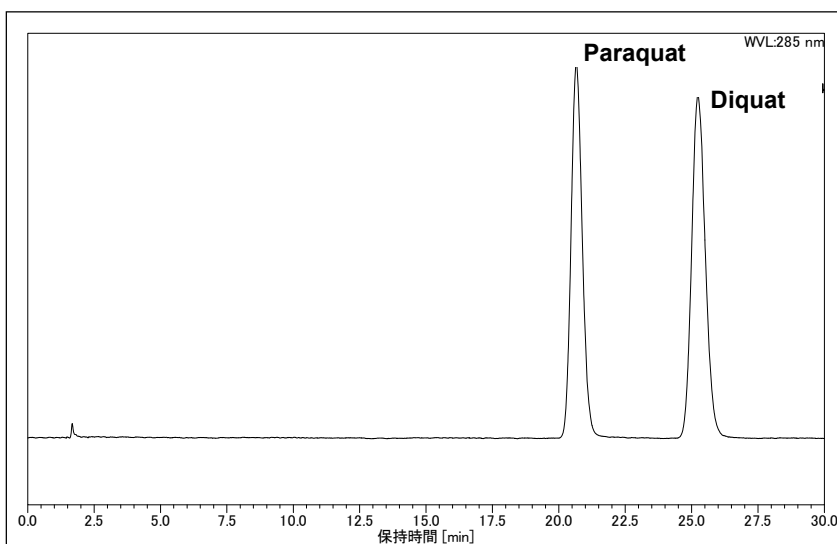


**Fig.1 Analysis of Diquat and Paraquat (Standard)**

### Conditions;

**Column:** Develosil RPAQUEOUS-AR-5 (4.6x150mm)  
**Mobile phase:** 2.3% Phosphoric acid/0.7% Diethylamine/0.3% 1-Pentanesulfonic acid  
**Flow rate:** 1.0ml/min  
**Temperature:** 30°C  
**Detection:** UV285nm(PDA)  
**Sample:** Diquat, Paraquat(Standard)  
**Concentration:** 1ppm  
**Injection volume:** 5.0uL  
**System:** DIONEX/Ultimate 3000 Series

When the ion pair reagent was changed, the elution order of diquat and paraquat was switched.



**Fig.2 Analysis of Diquat and Paraquat (Standard)**

**Column:** Develosil RPAQUEOUS-AR-5 (4.6x150mm)  
**Mobile phase:** 2.3% Phosphoric acid/0.7% Diethylamine/0.3% 1-Octanesulfonic acid  
**Flow rate:** 1.0ml/min  
**Temperature:** 30°C  
**Detection:** UV285nm(PDA)  
**Sample:** Diquat, Paraquat(Standard)  
**Concentration:** 1ppm  
**Injection volume:** 5.0uL  
**System:** DIONEX/Ultimate 3000 Series