MWQI Metrohm 850 IC at Jones PP

Metrohm 850 IC at Jones PP

Sample Filtering set-up

Current Set-up at Jones PP and Vernalis

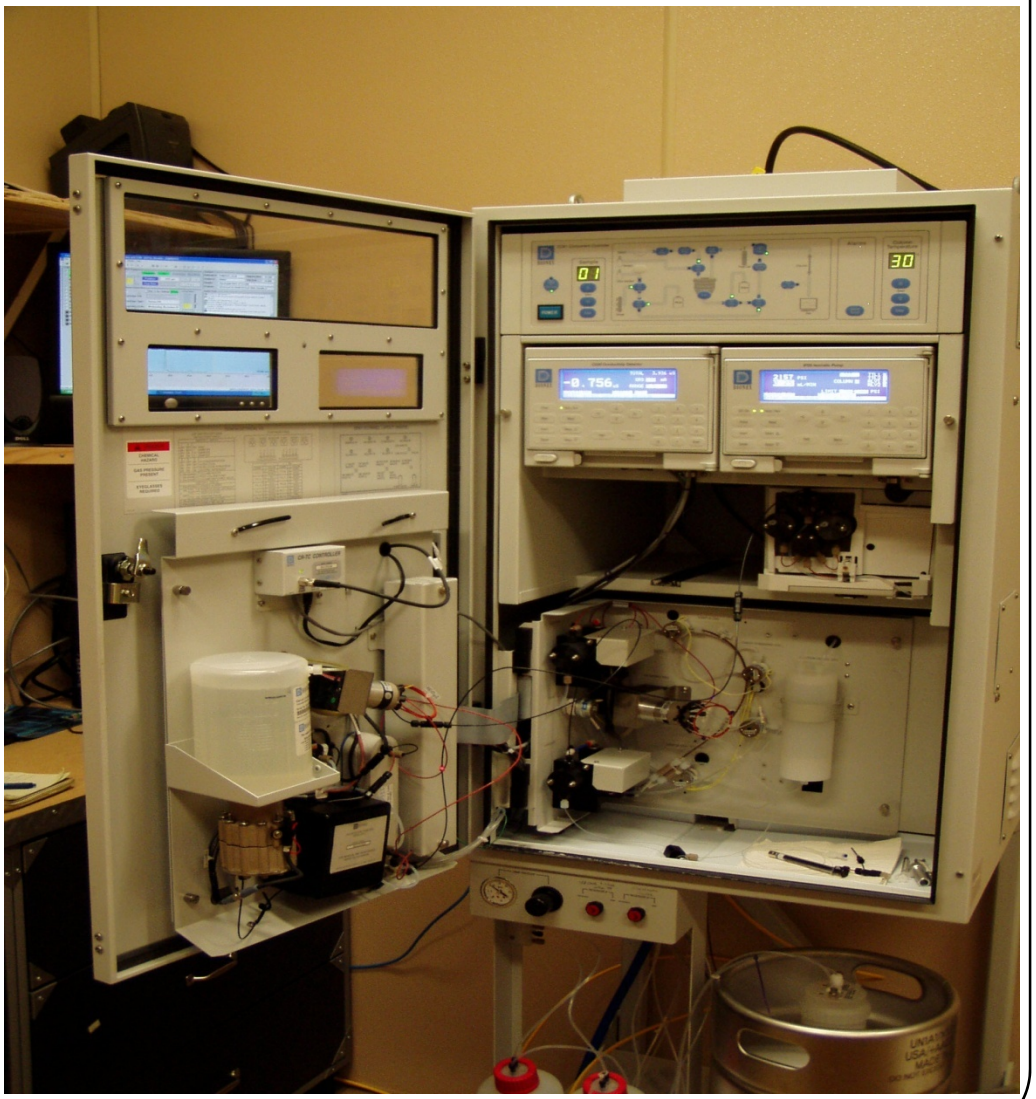
Metrohm 850 IC

Dionex DX-800

Side by side

Metrohm 850 IC

Dionex DX-800



Differences

Eluent Generation (Mobile phase)

- Metrohm 850-IC – Carbonate/Sodium Bicarbonate
- Dionex DX-800 – Potassium Hydroxide

Differences

Suppression (Removing background conductivity)

- Metrohm 850 IC – Chemical
- Dionex DEX-800 – Electro-chemical

Pump and Gas Needs

Metrohm 850 IC

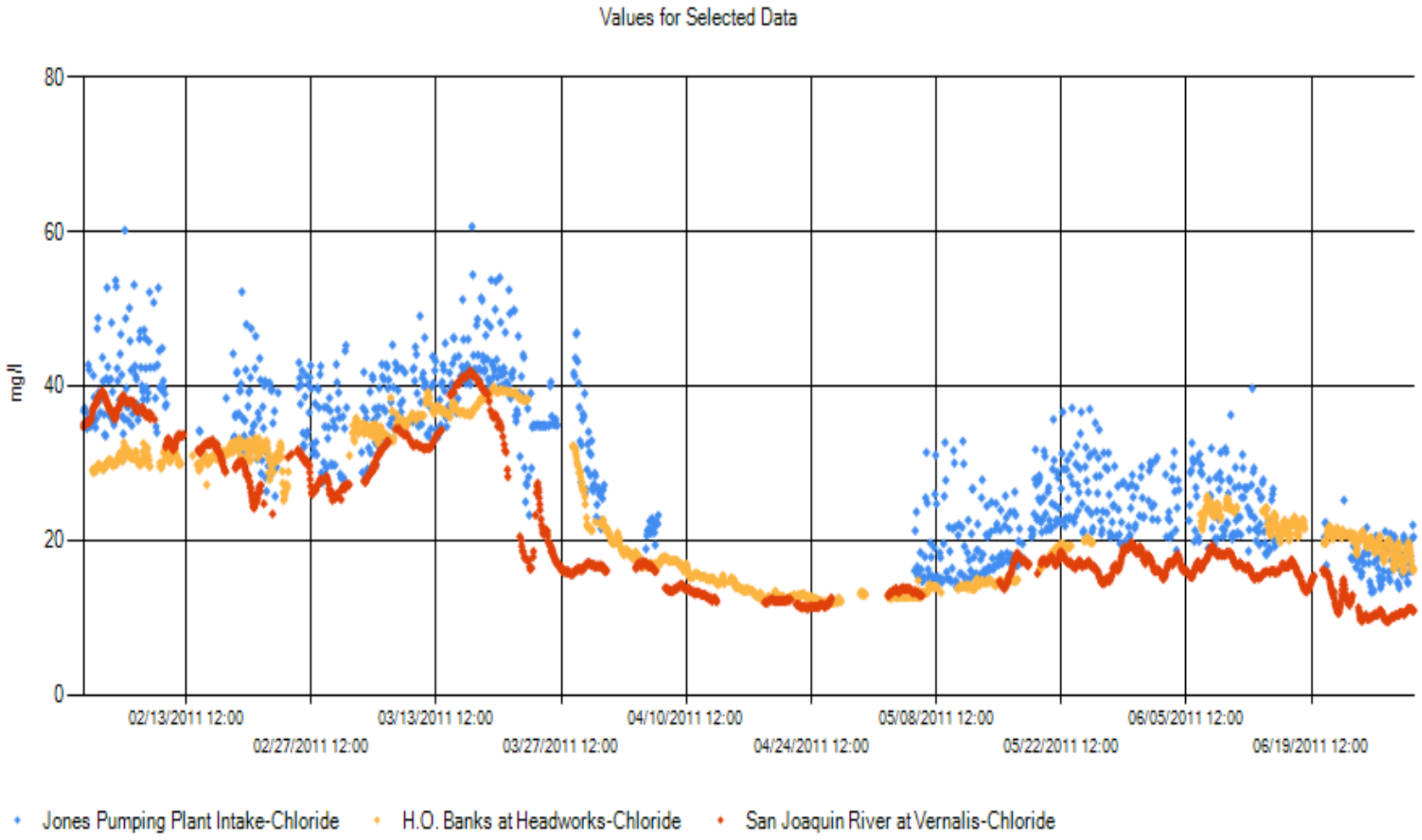
- No gas requirements
- Sample brought into instrument via delivery system water pressure
- Reagents and standards delivered via electronic syringes (Dosinos)

Pump and Gas Needs

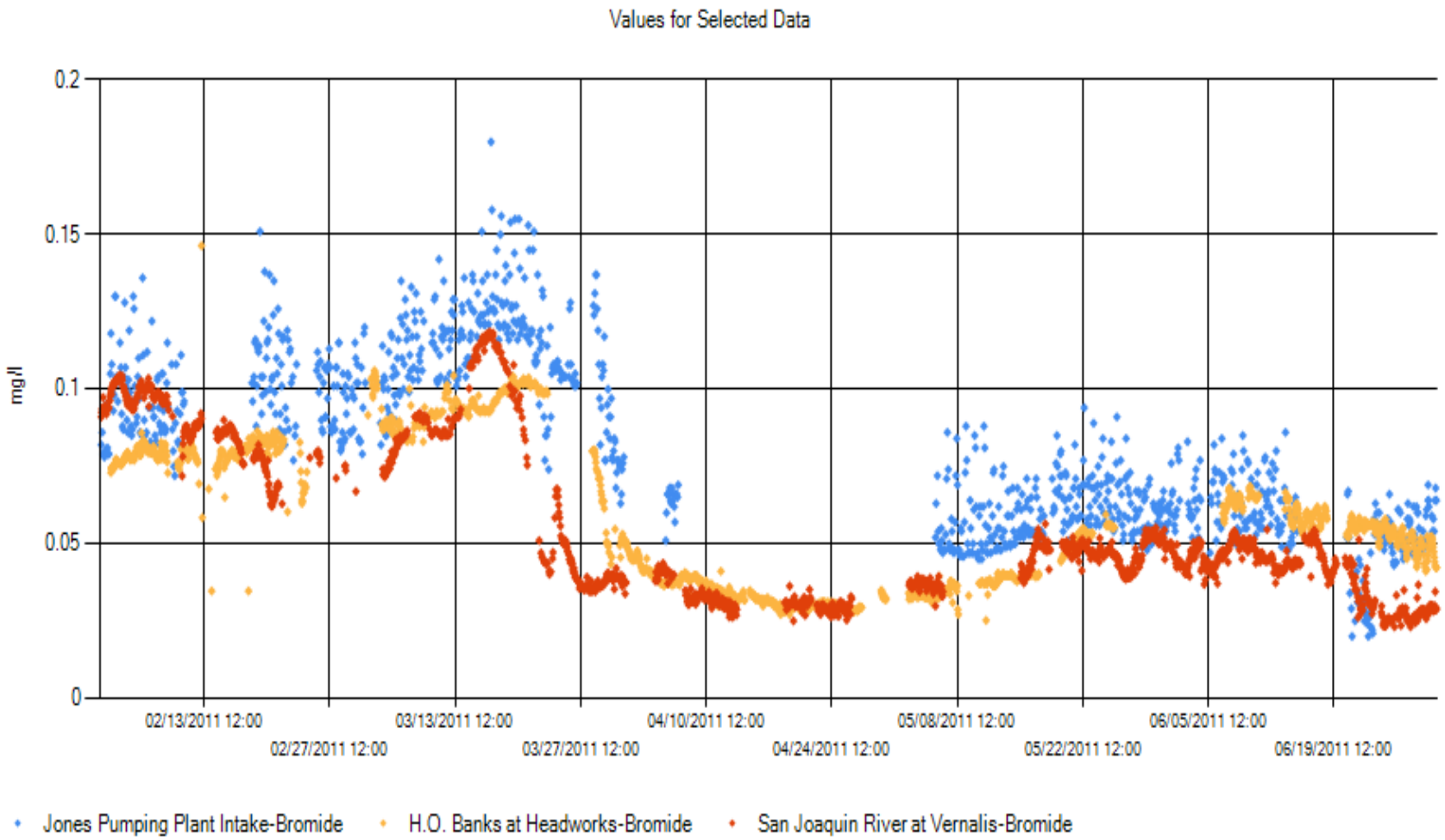
Dionex DX-800

- Compressed air and nitrogen required
- Sample delivered to instrument via pneumatic pump
- Standards delivered to instrument via pneumatic pump

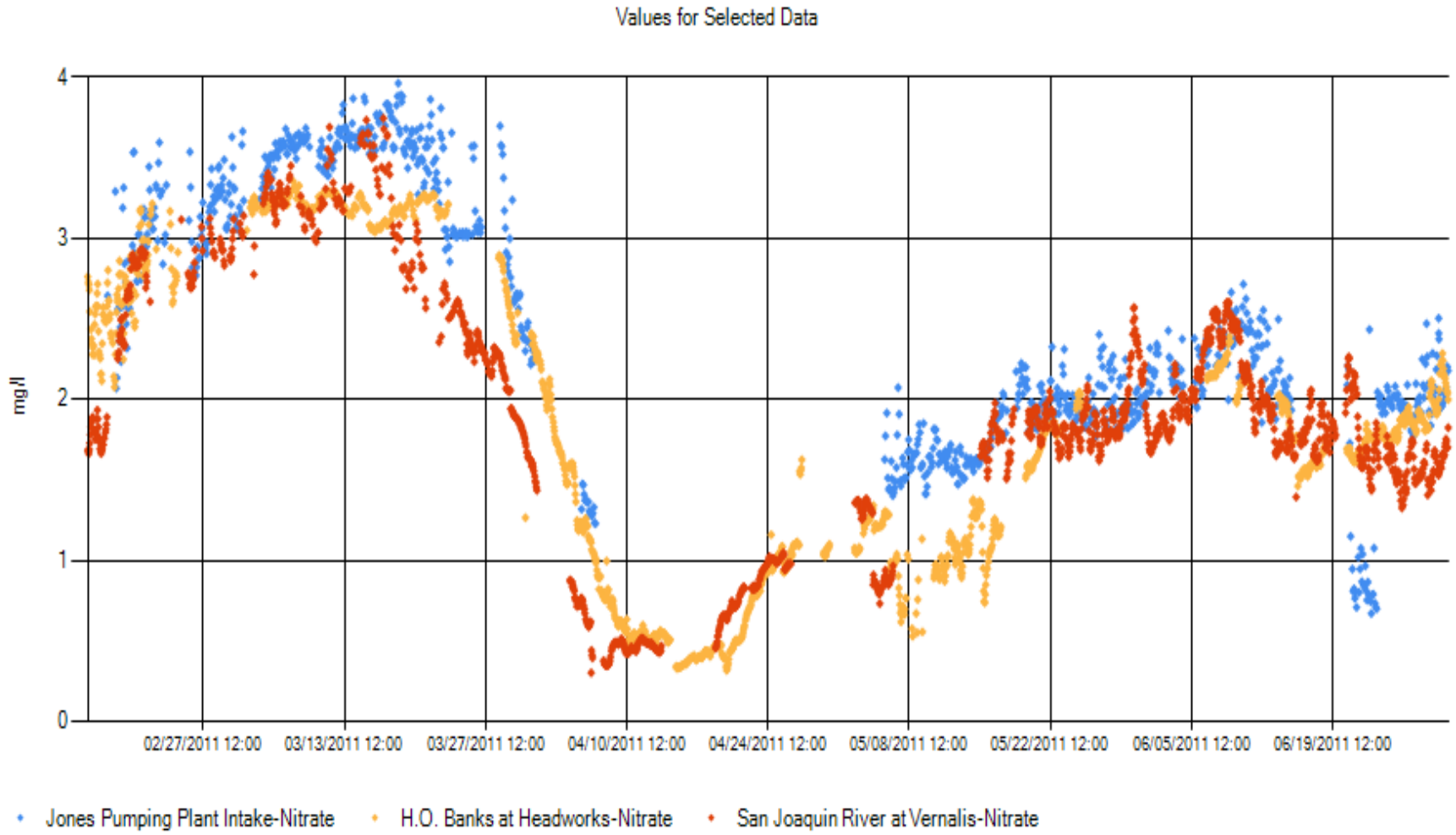
Data Comparison Chloride



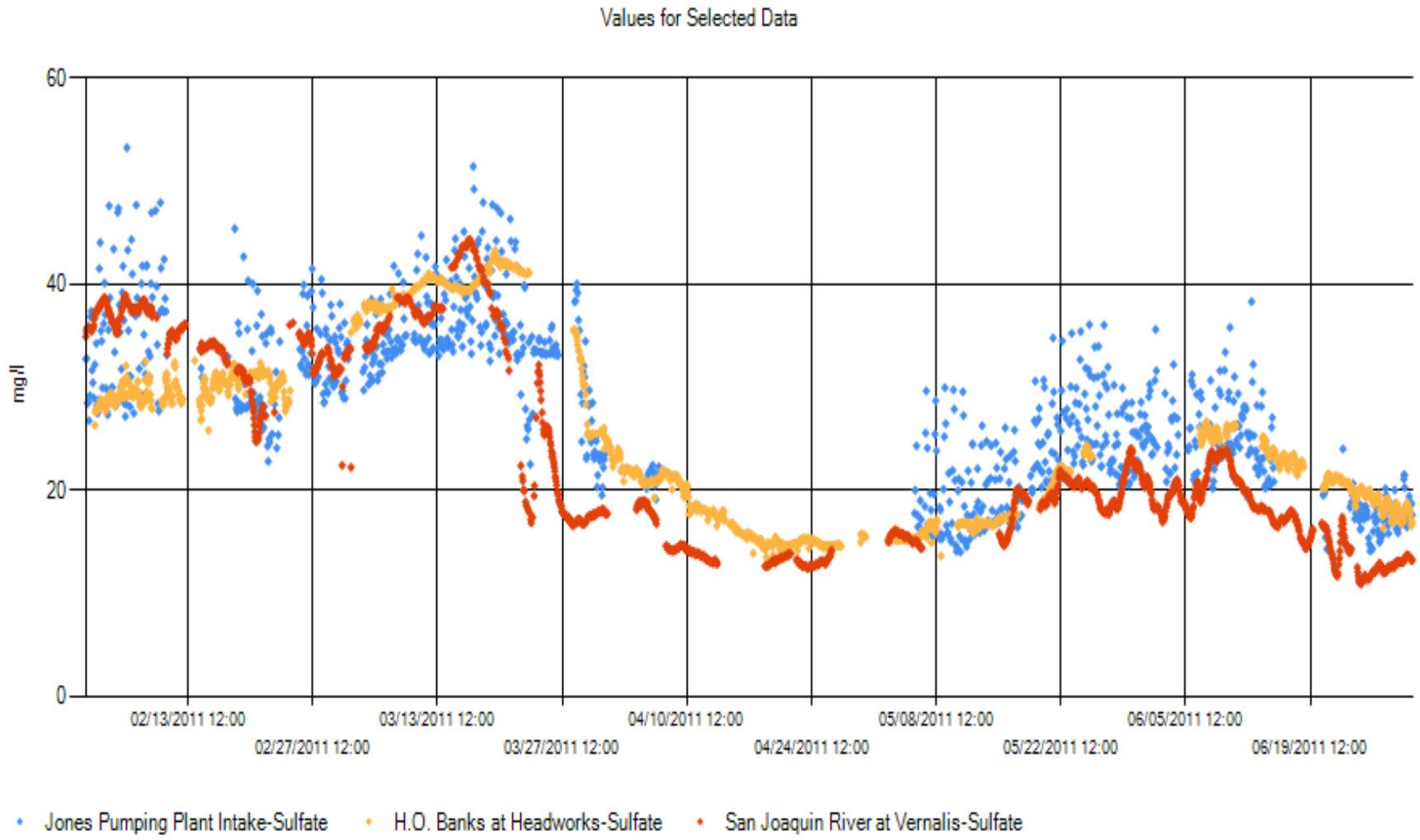
Data Comparison Bromide



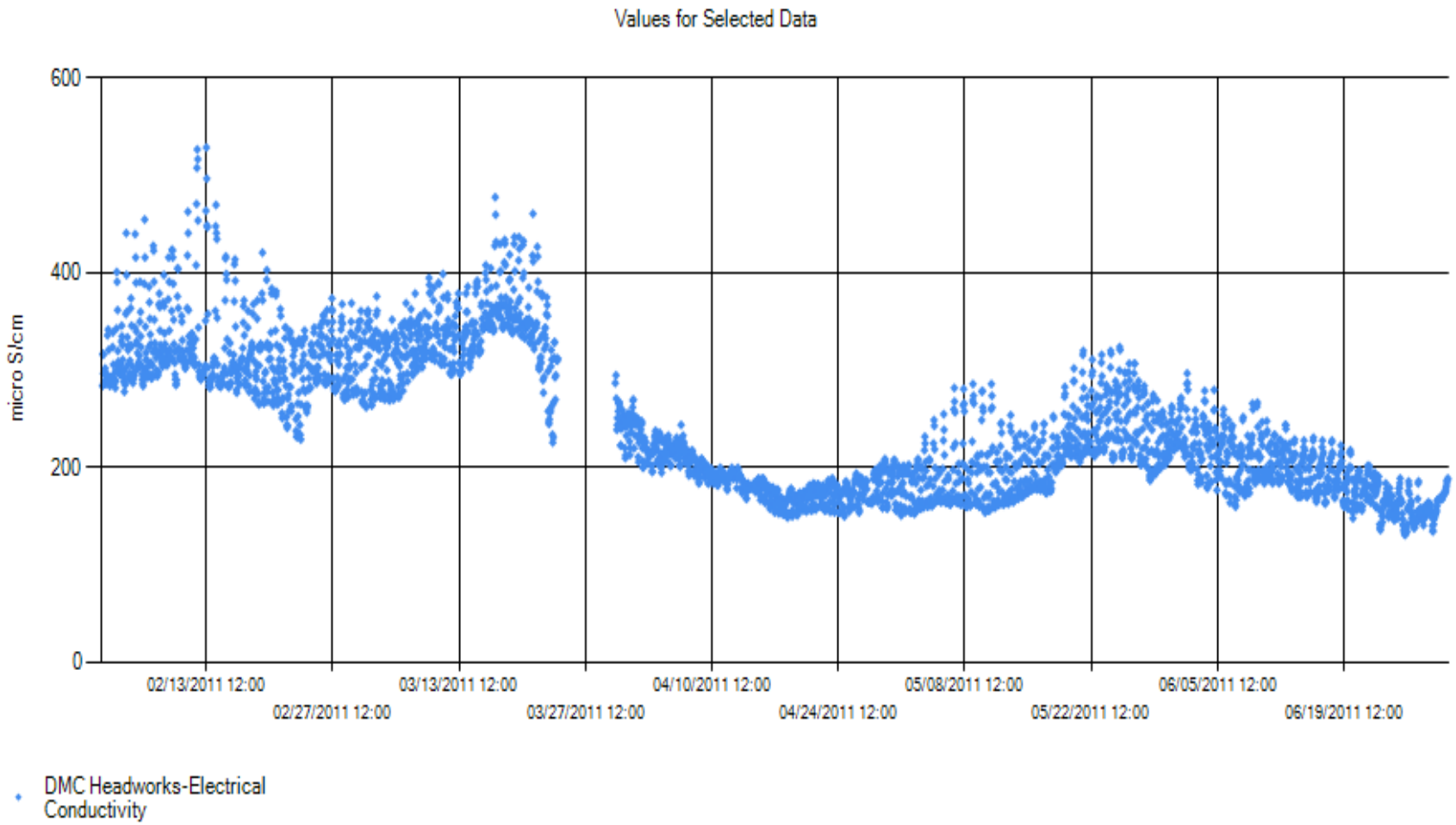
Data Comparison Nitrate



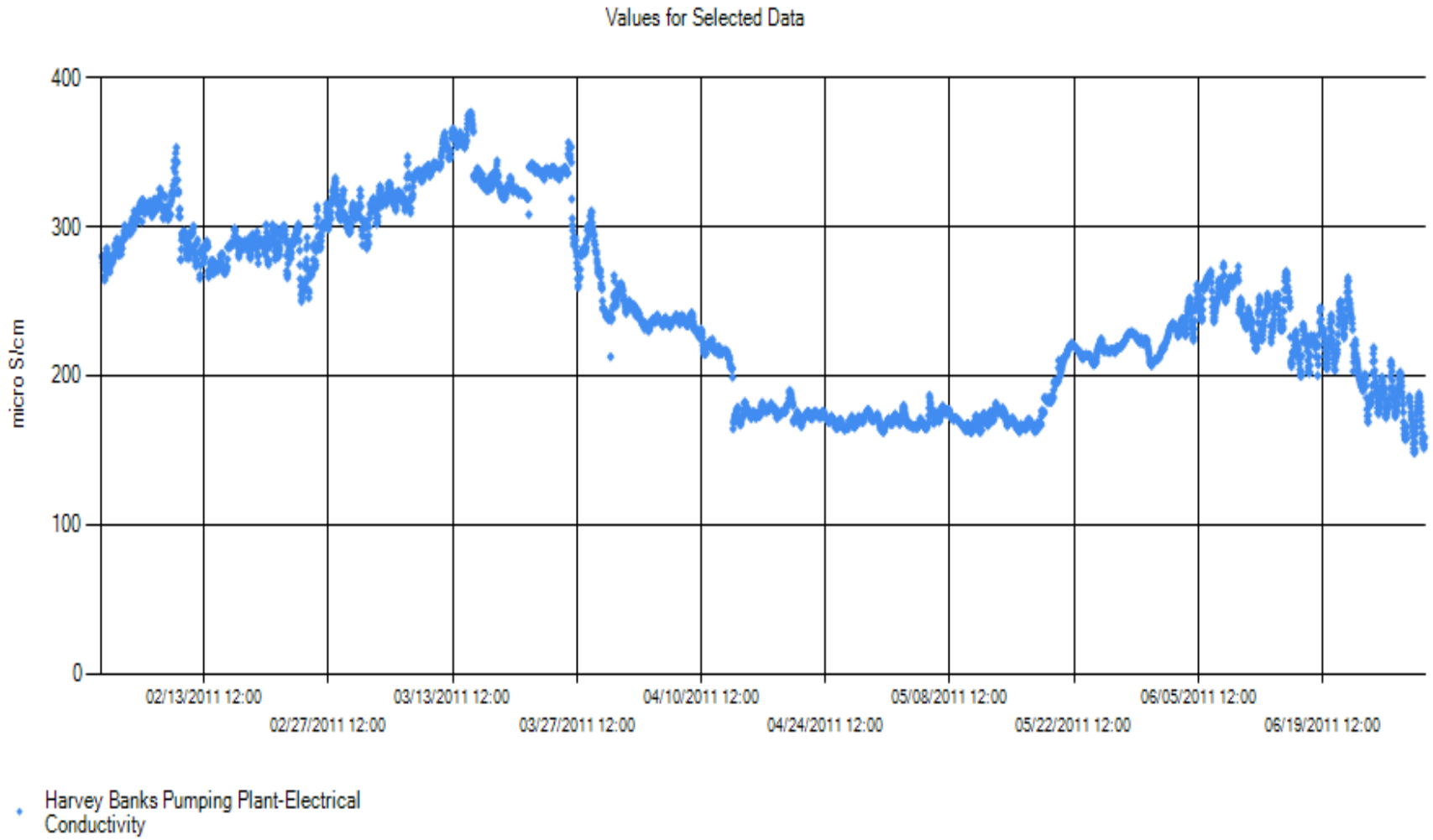
Data Comparison Sulfate



EC at Jones PP

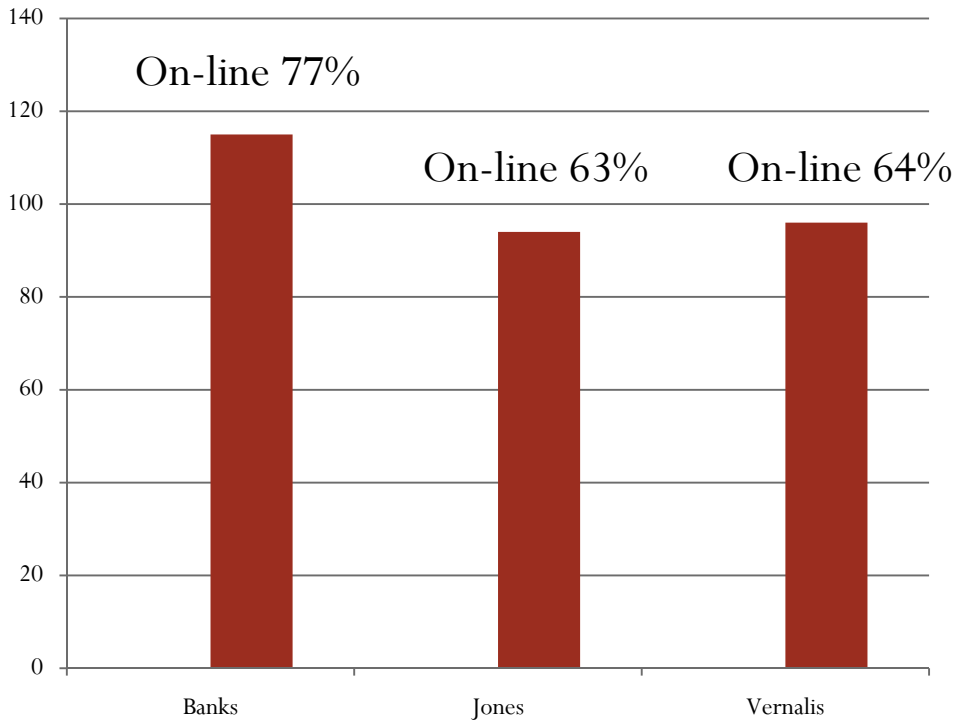


EC at Banks PP



Operational Time Comparison

Number of days the instruments were operational during the five month period between February and June of 2011. (150 days)



Metrohm 850 IC