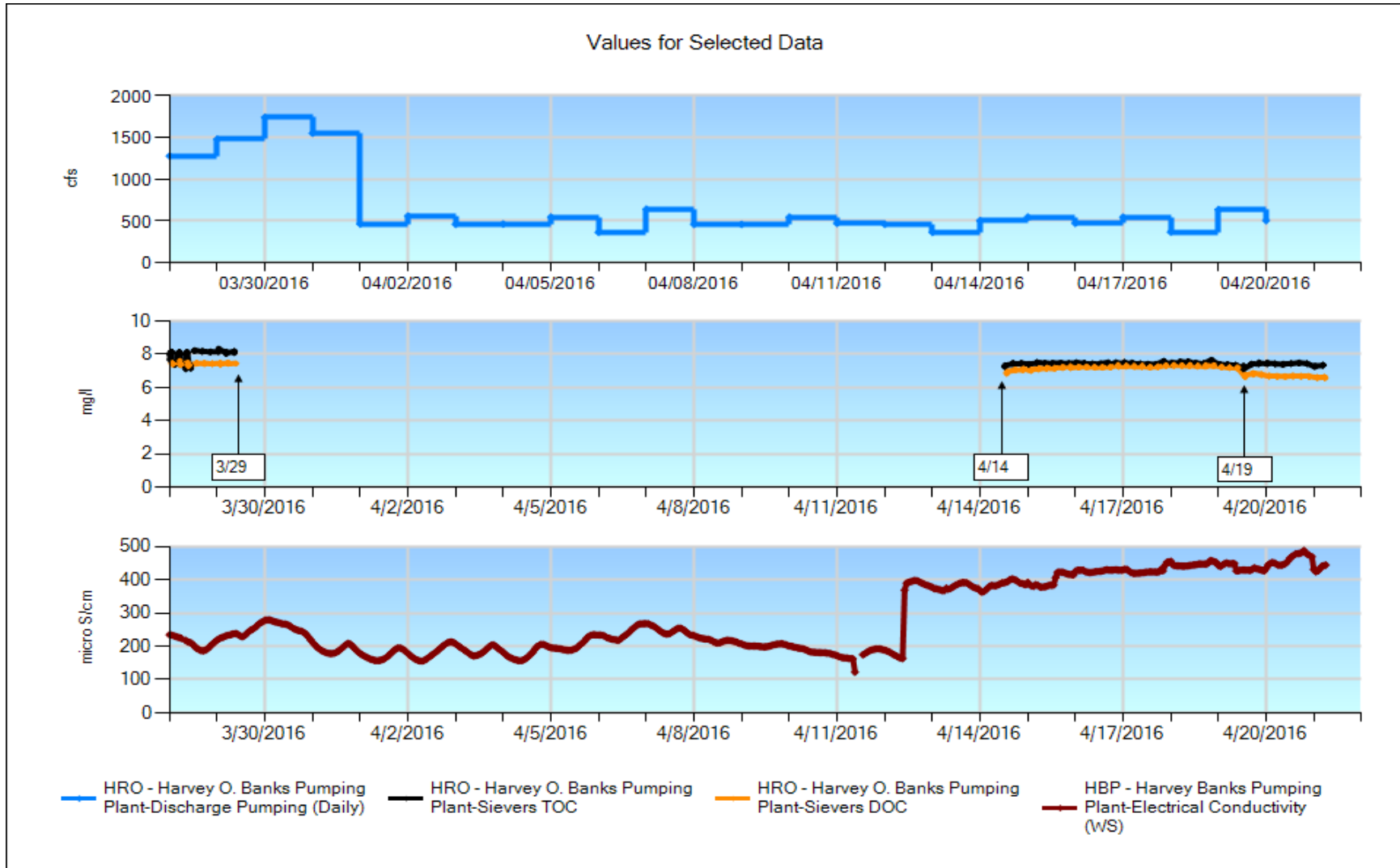
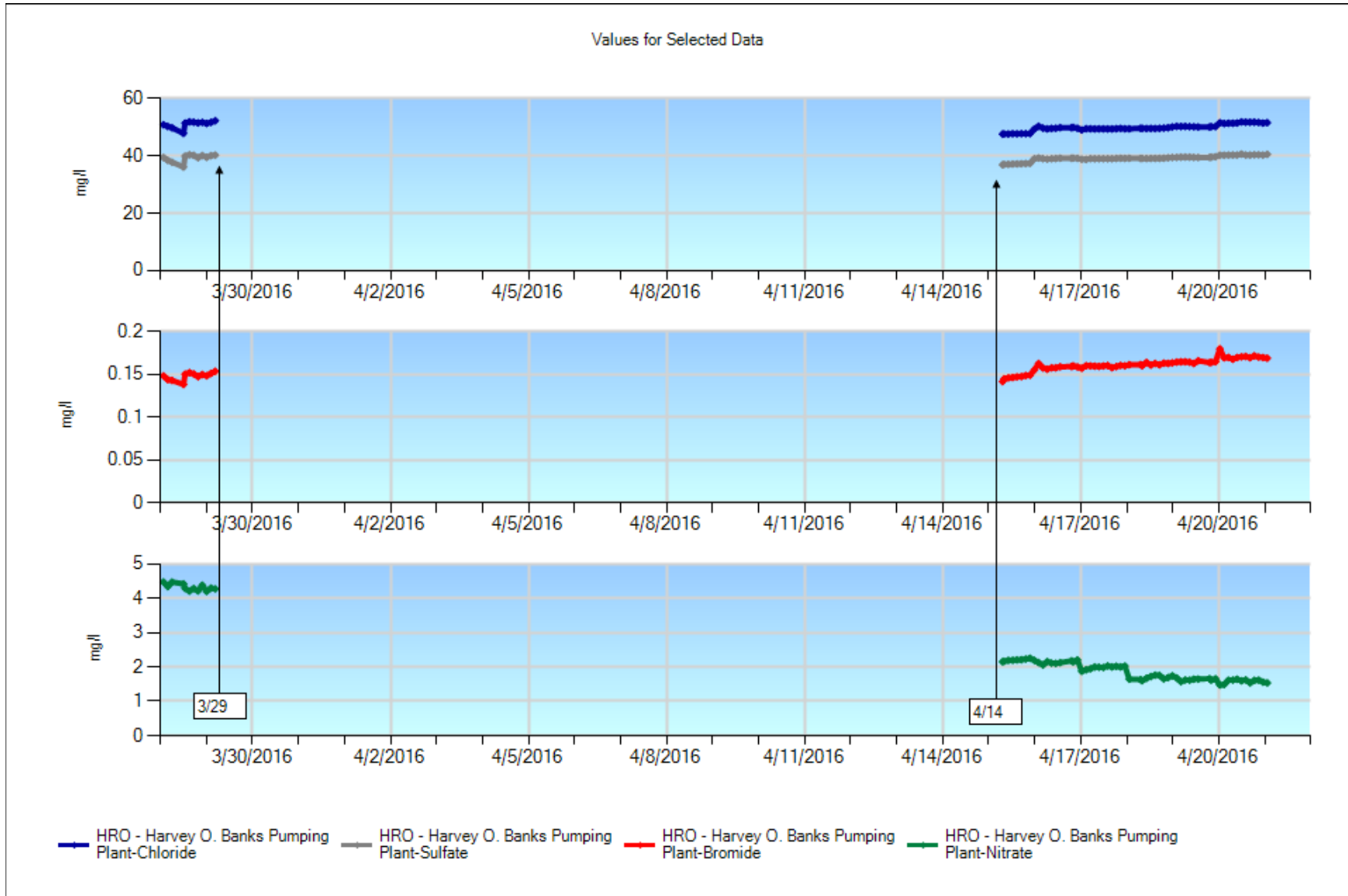


Banks Pumping Plant: Pumping, TOC & DOC, EC



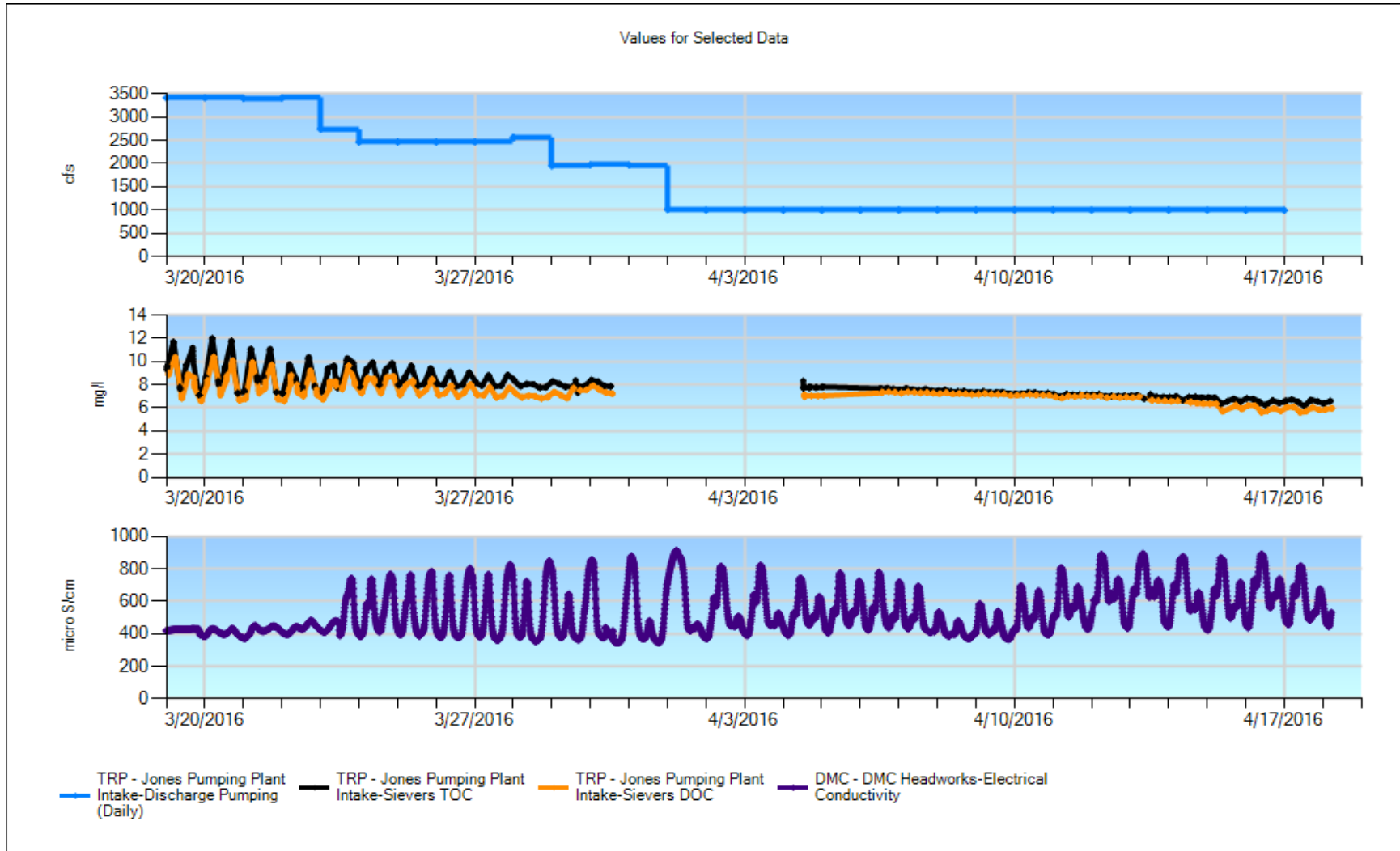
3/29: Pool 1 liner repairs caused the water level to drop below the intake, all analyzers were taken offline. **4/14:** Repairs to the pool 1 liner were completed earlier in the week, the pool began filling on 4/10 and by 4/14 the intake was reinstalled. **4/19:** All sample delivery system filters were changed.

Banks Pumping Plant: Chloride, Sulfate, Bromide, Nitrate



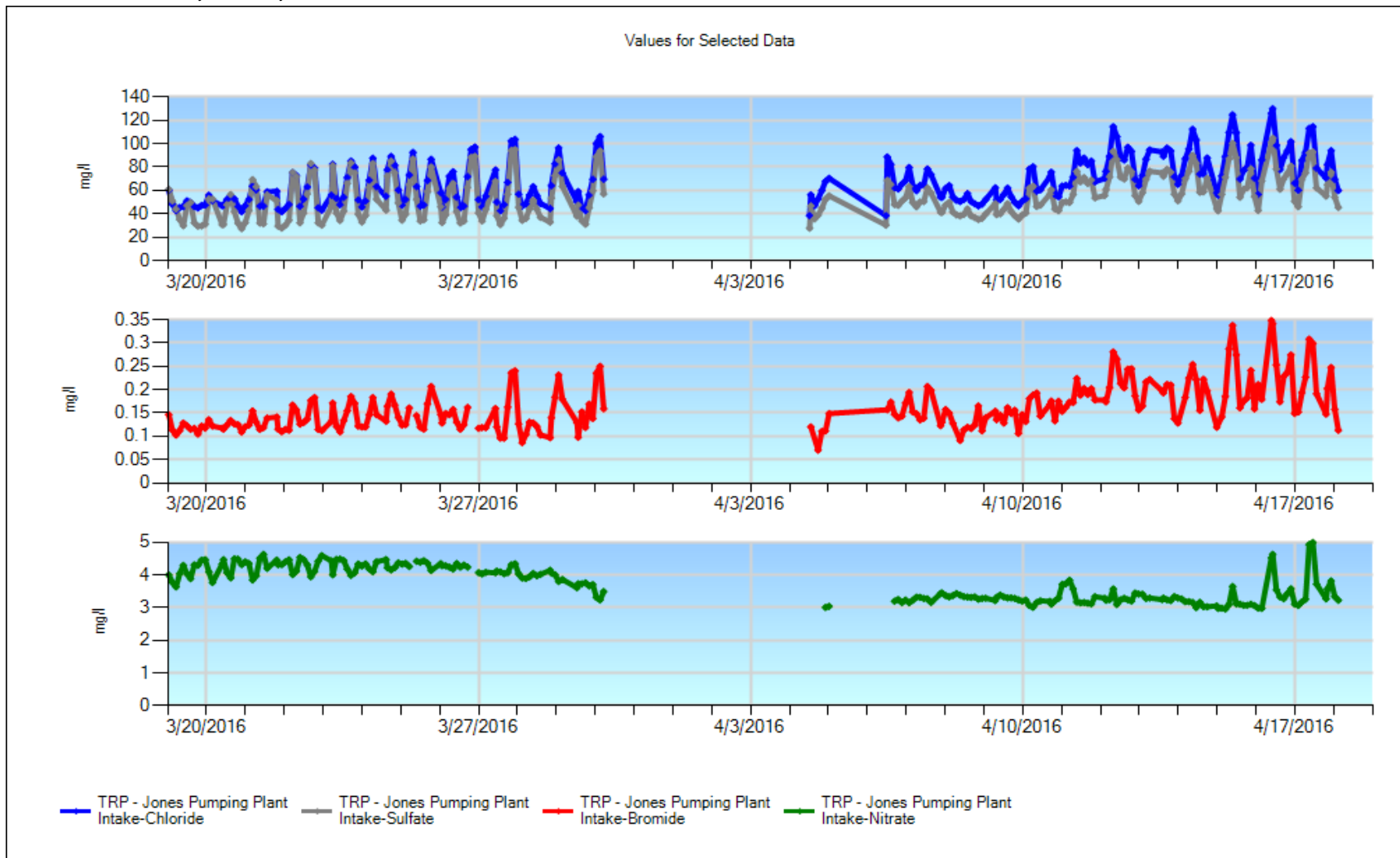
3/29: Liner repair. 4/14: Intake re-installation

Jones PP – Discharge, Organic Carbon and EC

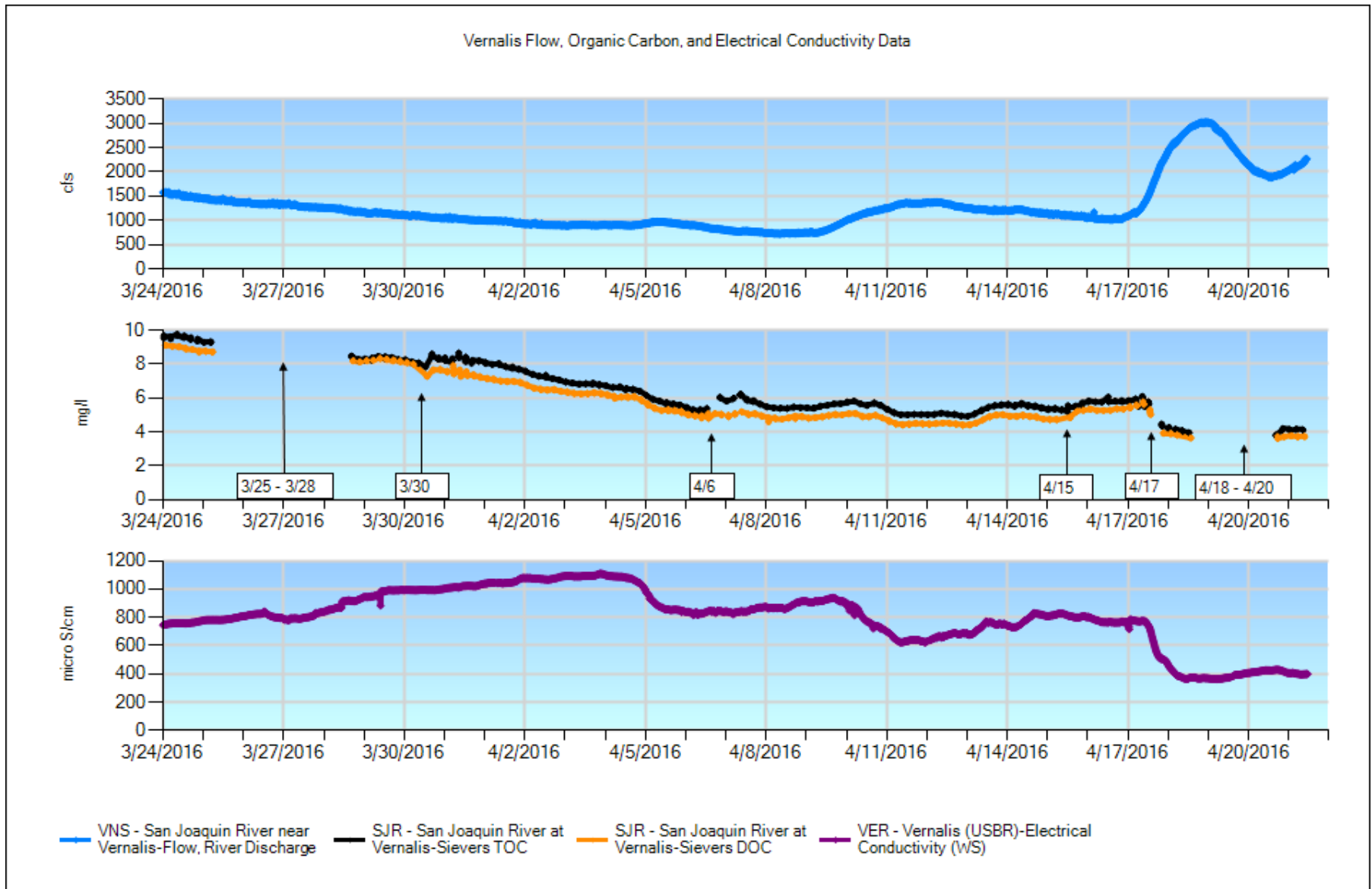


3/23/2016 – filter change. **3/29/2016** – filter change. The Sievers and Dionex was down **4/1/2016 - 4/3/2016** due to maintenance at the pumping plant. Our sample flow was shut off. Also from **4/5/2016 - 4/6/2016**, the APC (battery backup unit) malfunctioned causing our instruments to shut down. The APC has been replaced. Also there was a filter change. **4/13/2016** – filter change.

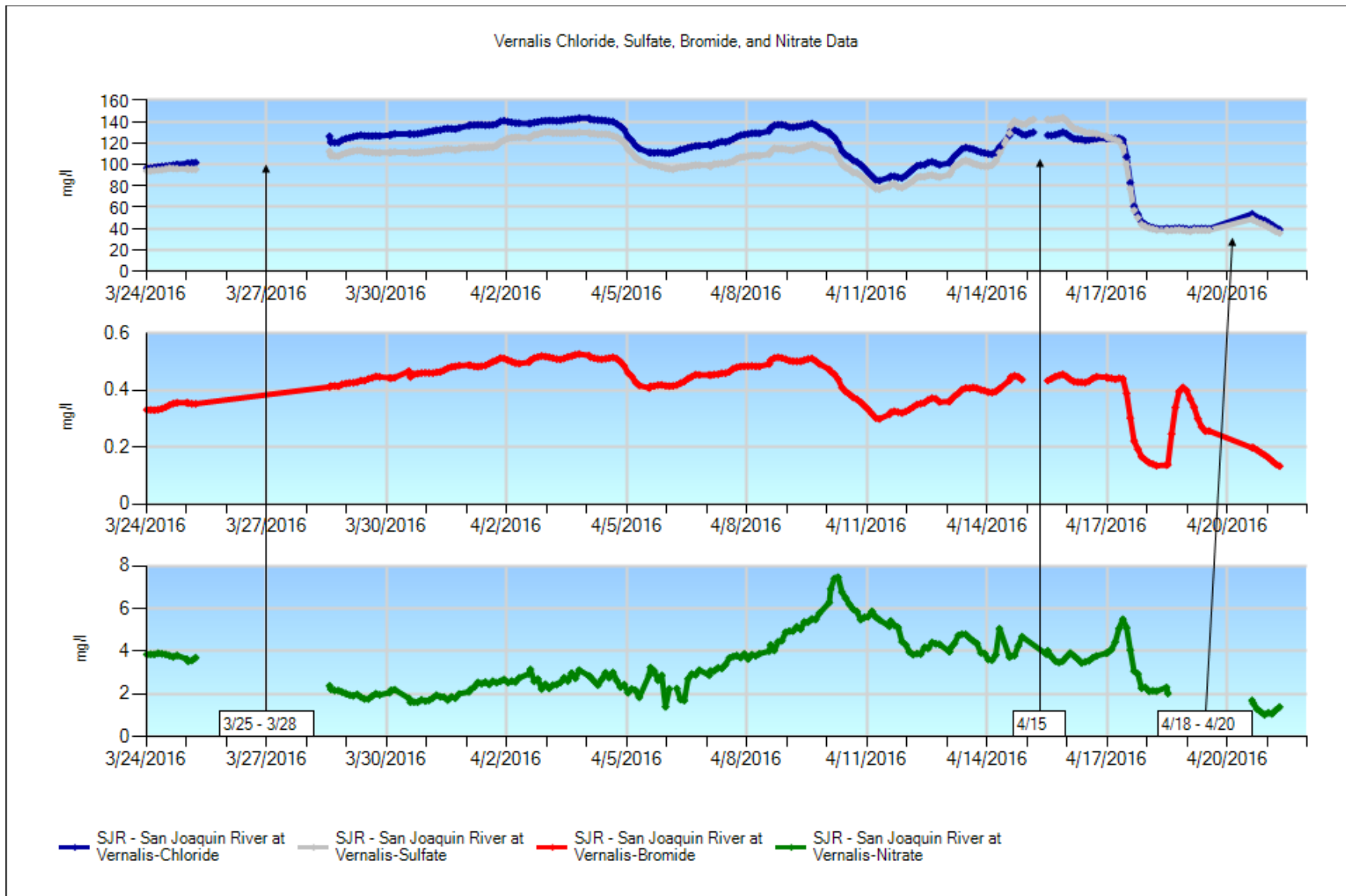
Jones PP – Chloride, Sulfate, Bromide and Nitrate



Pumping has been at approximately 1000 cfs since the beginning of the month. Organic carbon has since 'flat-lined'. This may be due to the reduced pumping. Or the pump that supplies sample water to our instruments is stagnate water. Although there is still a fair amount of variability in the anions. It is unknown when the plant will increase pumping.

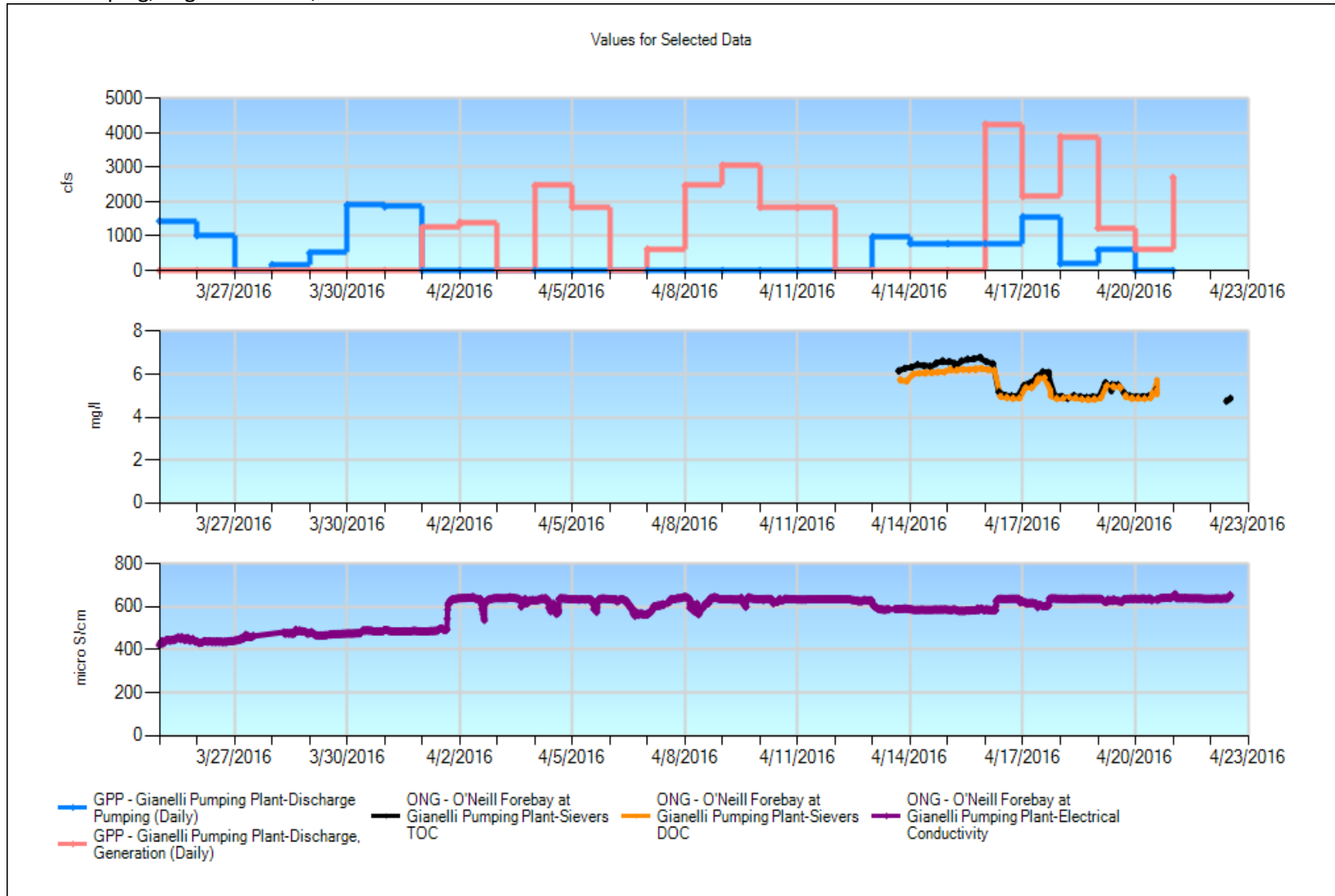


Filter Changes: 3/28, 4/6, 4/20 = Prefilters only. 3/30, 4/15 = All filters. **Events:** 3/25–3/28 = Computer shut down (power outage?) over the weekend. Data available. 3/30 = QC. 4/6 = Filter change. 4/15 = QC. 4/17 = Pump problem? 4/18–4/20 = Pump failure. Motor replaced on 4/20.



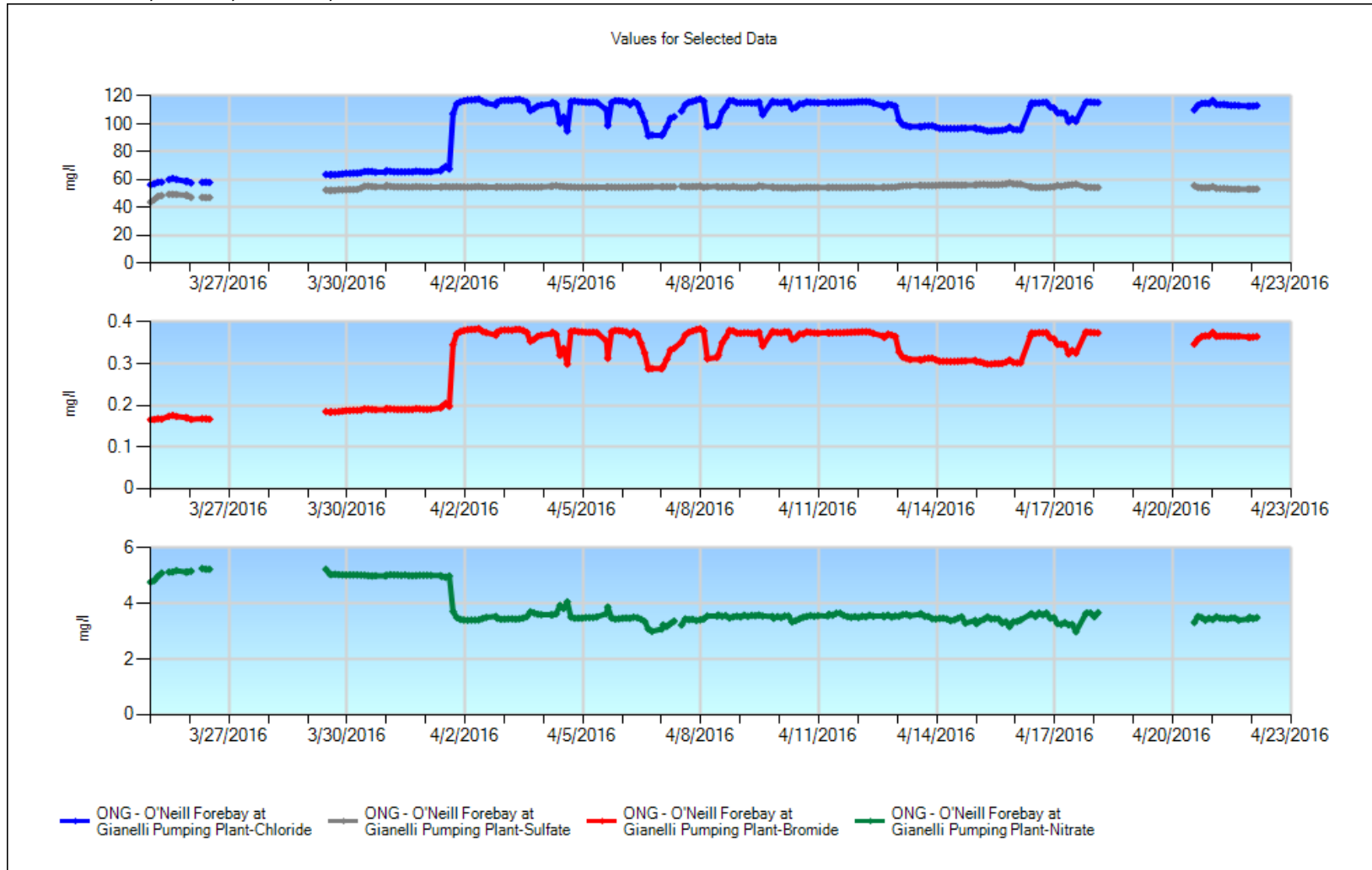
Events: 3/25 – 3/28 = Computer shut-down along with Dionex operation software. 4/15 = QC event. 4/18 – 4/20 = Pump began to show signs of failing early on 4/18, possibly on 4/17, making the data suspect and labelled “questionable”. Dionex was shut down on 4/19, restarted 4/20.

Gianelli – Pumping, Organic Carbon, EC



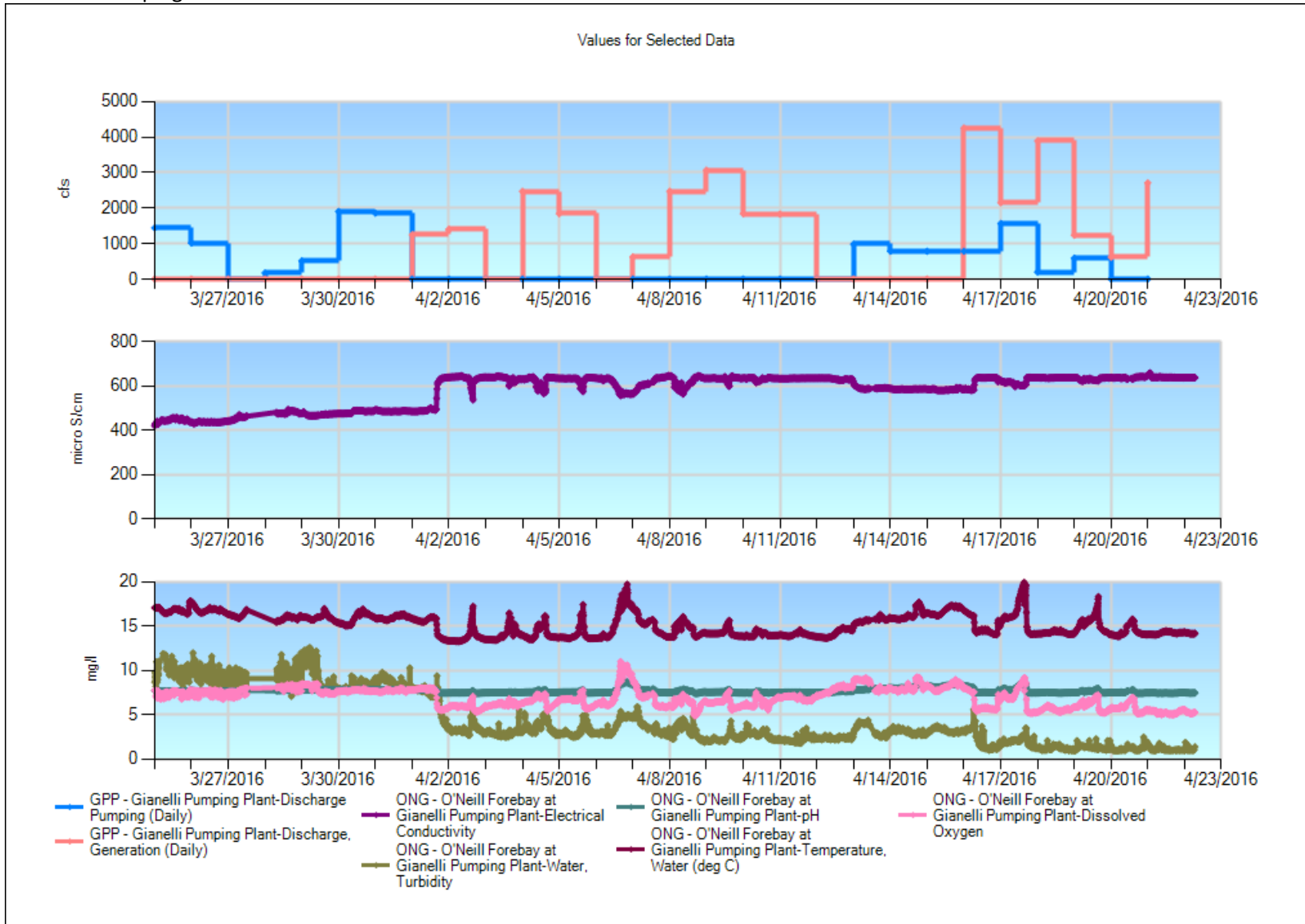
- TOC & DOC (3/25 – 4/13) --- The instrument was sent back to GE-Sievers for repairs.
- TOC & DOC (4/20 – 4/23) --- A power outage stopped the Sievers.

Gianelli – Chloride, Sulfate, Bromide, Nitrate

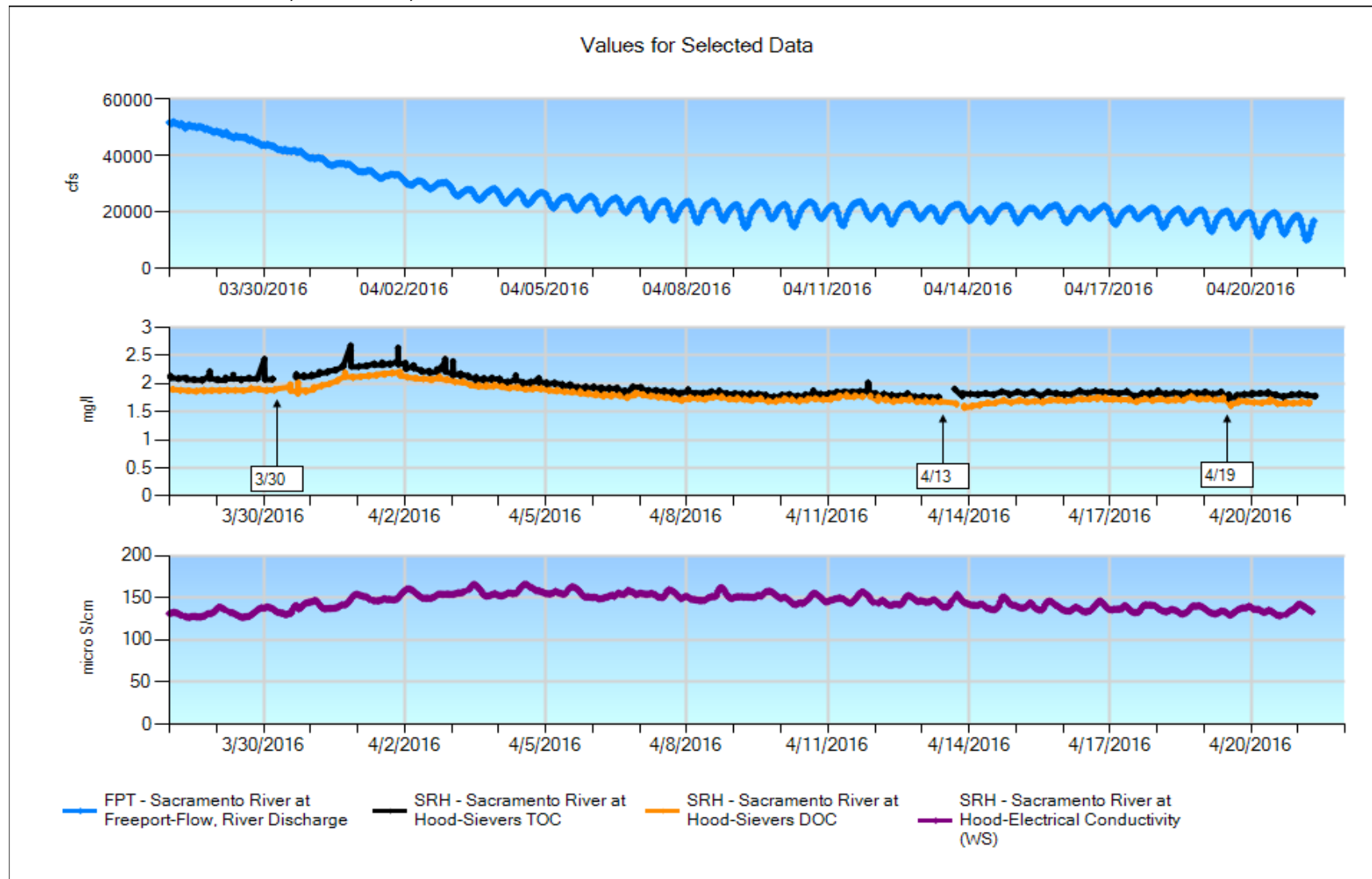


- All Parameters (3/26 – 3/29) --- Low flow caused errant readings.
- All Parameters (4/18 – 4/21) --- A power outage caused the Dionex to stop analyzing. The computer didn't restart correct which required a station visit to fix.
- Gianelli – EC, Temperature, pH, DO & Turbidity

Gianelli – Pumping and SONDE Values

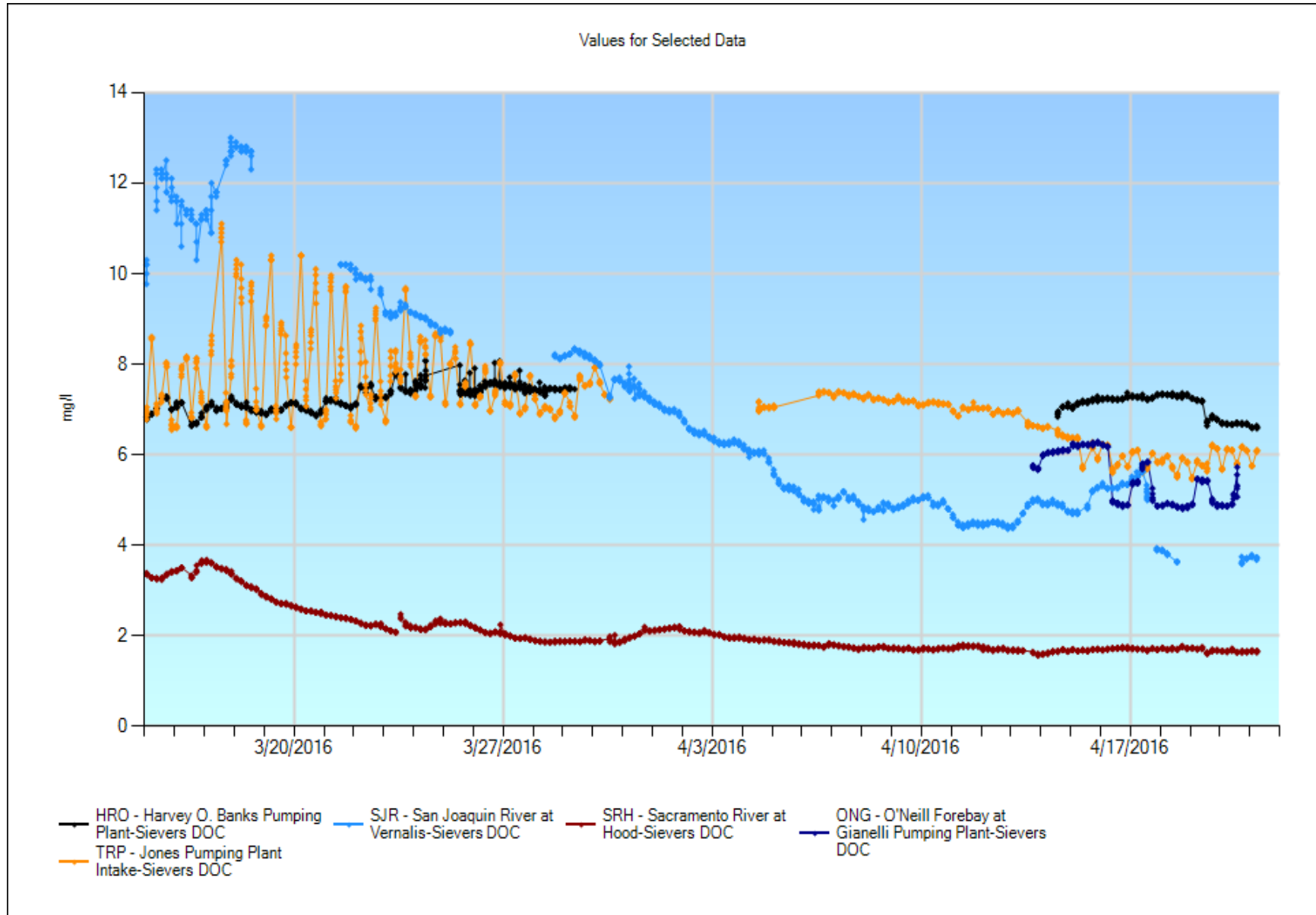


Hood: Sacramento River Flow, TOC & DOC, EC

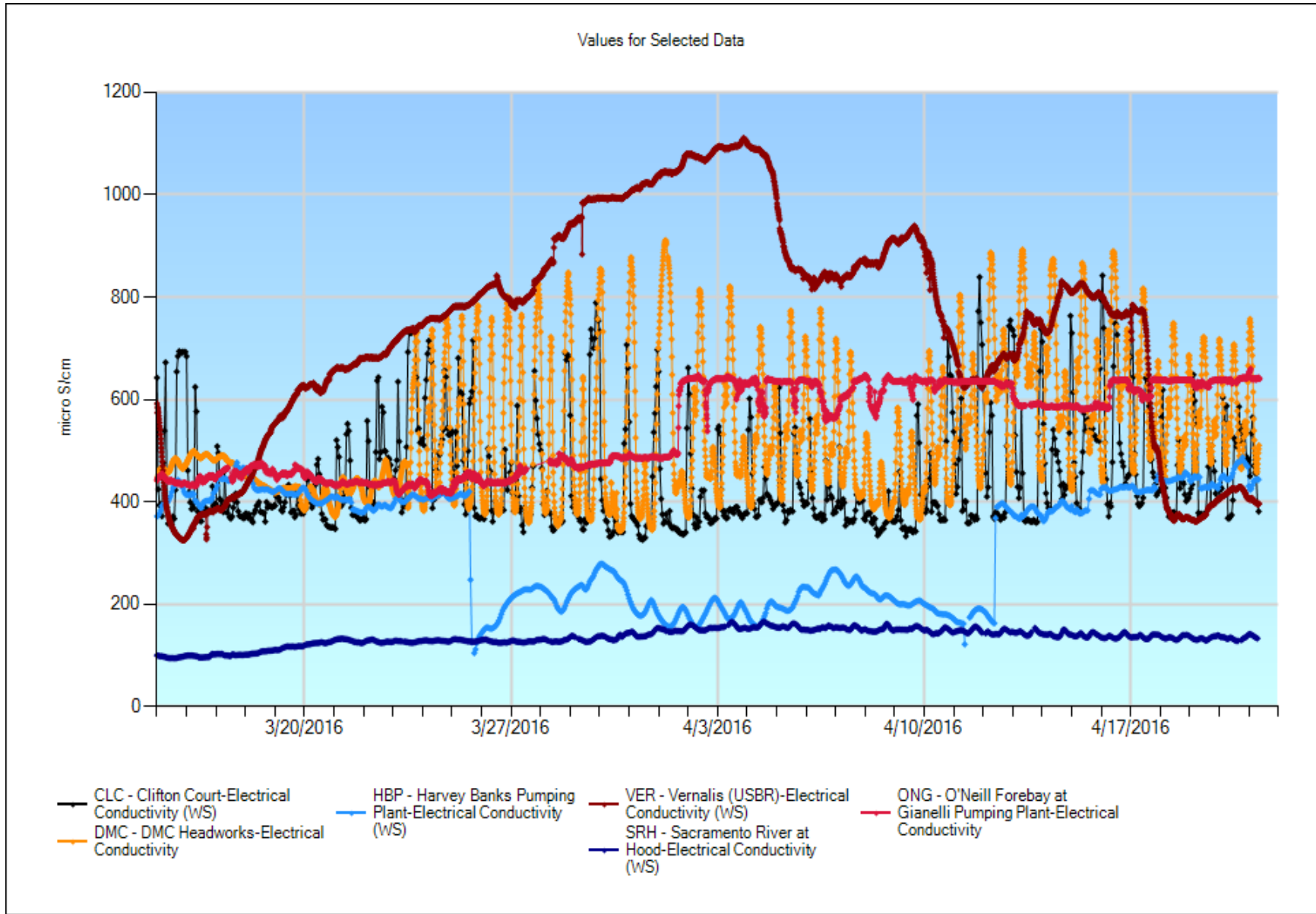


3/30: All sample delivery system filters replaced. 4/13: All sample delivery system pre-filters replaced, 0.45 um filter not replaced. 4/19: 100 um pre-filter replaced.

All Station DOC



All Station EC



Banks, Jones, Vernalis, Gianelli: Bromide

