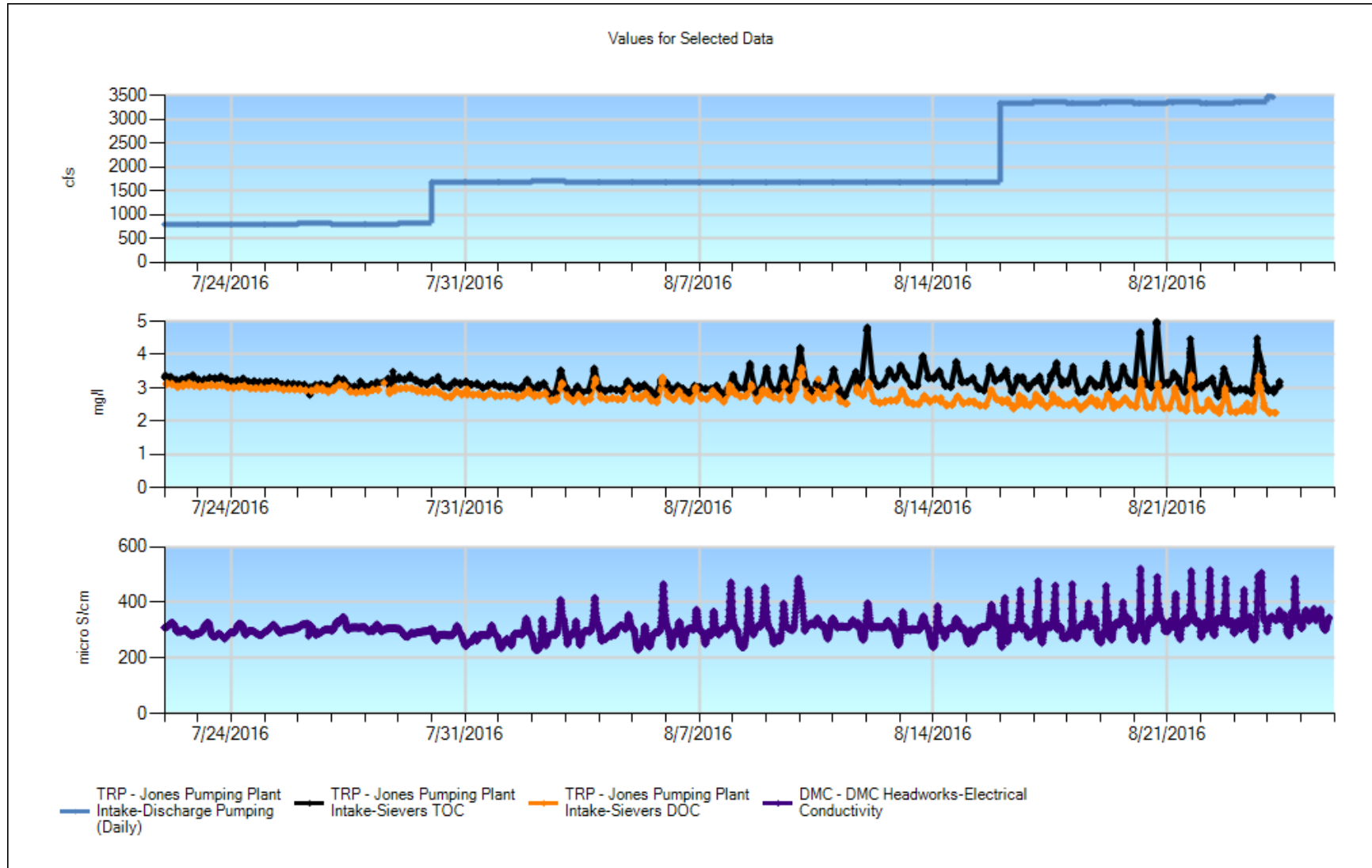


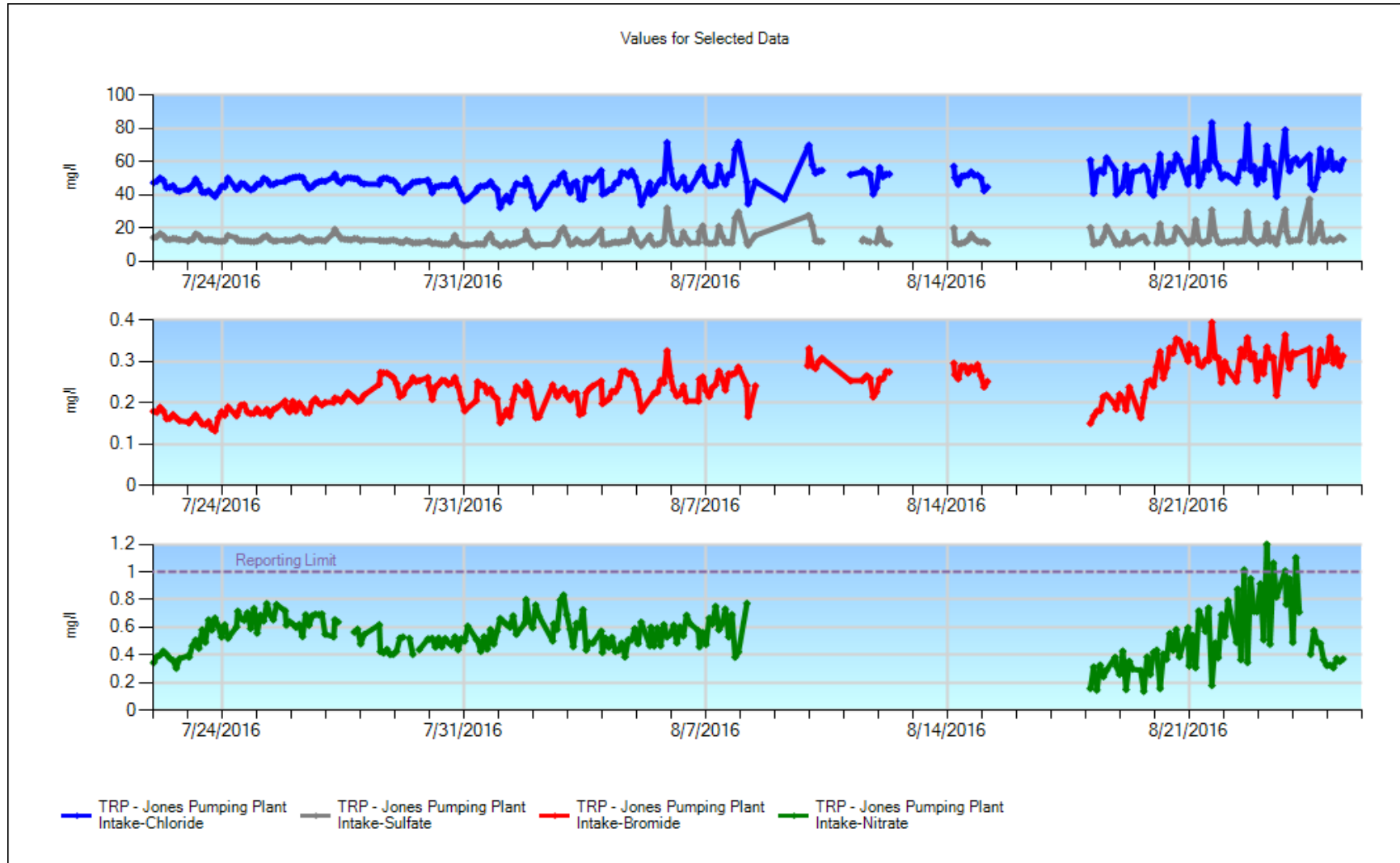
7/23 to 7/26: Power outage **7/26:** 100 um and 0.45 um filter change, anion QC sample analysis **7/28:** Organic Carbon analyzer UV lamp replacement **8/3:** Removed the 100 um filter and replaced the 50 um filter with a pleated 50 um filter (increases surface area of filter), replaced the 1 um and 0.45 um filters **8/11:** Re-added a 100 um filter and replaced all other filters including the pleated 50 um filter. Analyzed all QC samples. **8/17:** Removed the 100 um filter **8/25:** Added 100 um filter, rinsed 50 um pleated filter, replaced the 1 um and 0.45 um filters. Analyzed all QC samples.

Jones PP – Pumping, Organic Carbon and EC

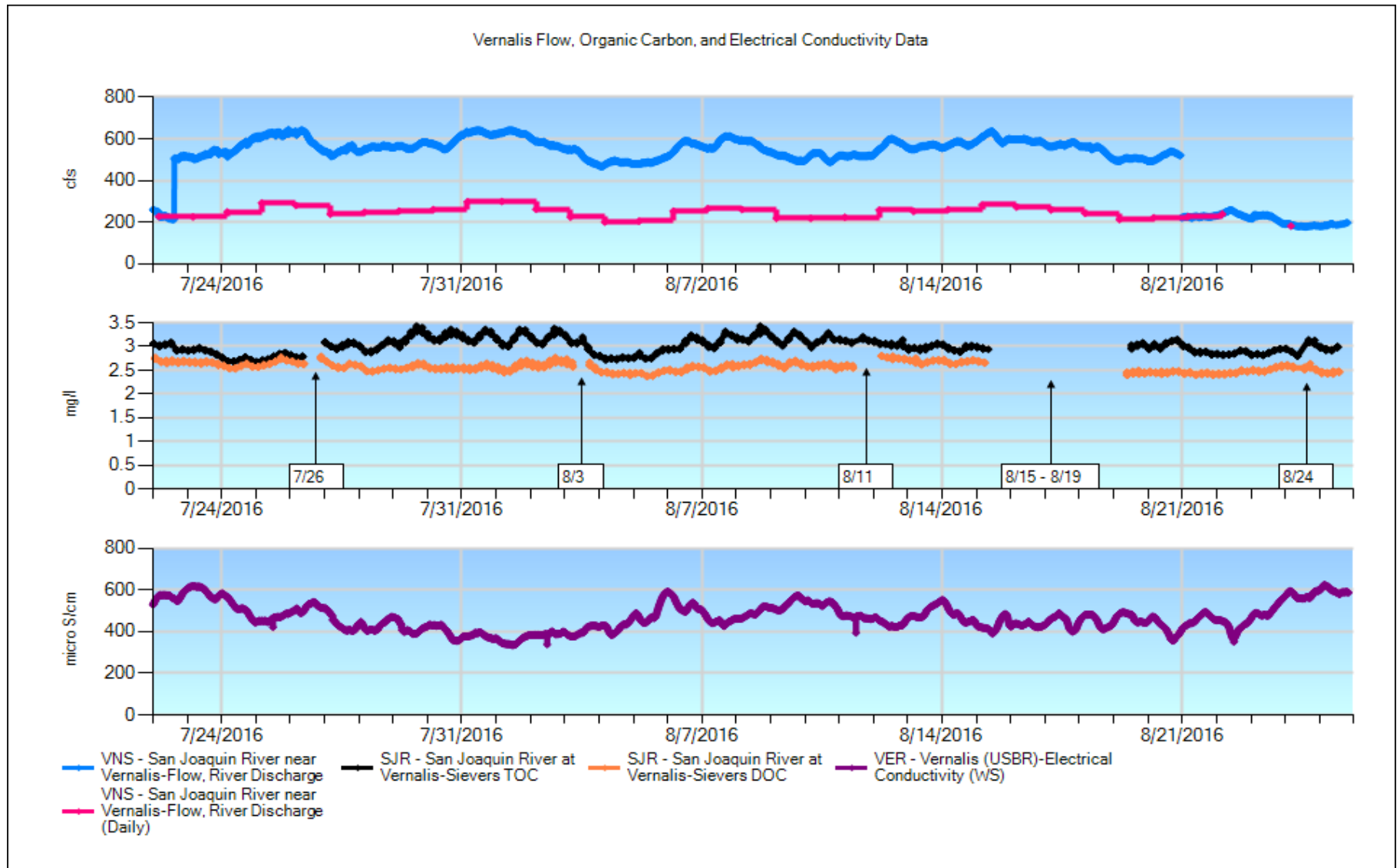


7/28/16 – filter change. UV lamp replacement. **8/3/16** – filter change **8/10** – filter change **8/17** – filter change **8/19** – hydrogen peroxide flush on carbon analyzer. **8/25** – cleaned IOS **8/26** – carbon analyzer operational but not reporting to the DMU or CDEC.

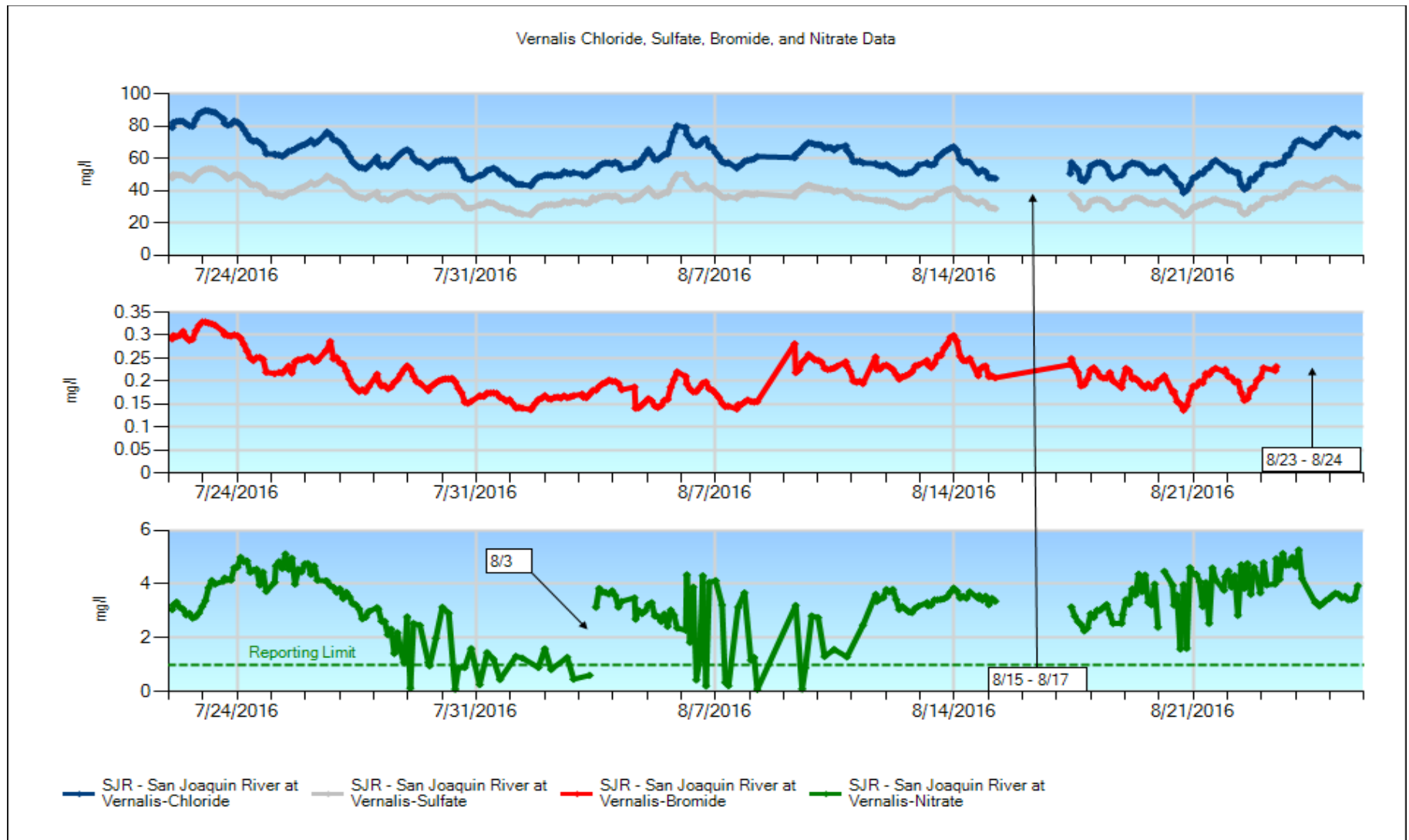
Jones PP – Chloride, Sulfate, Bromide and Nitrate



7/28/16 – flush anion analyzer intake lines. **8/8** - There's a contamination issue within the Dionex that specifically affects bromide peaks. We're working with Dionex technicians to mitigate this issue. These mitigation efforts remain ongoing. **8/10** – nitrate data transfer issue. **8/19** – flushed anion instrument with increased flow and hydrogen peroxide.

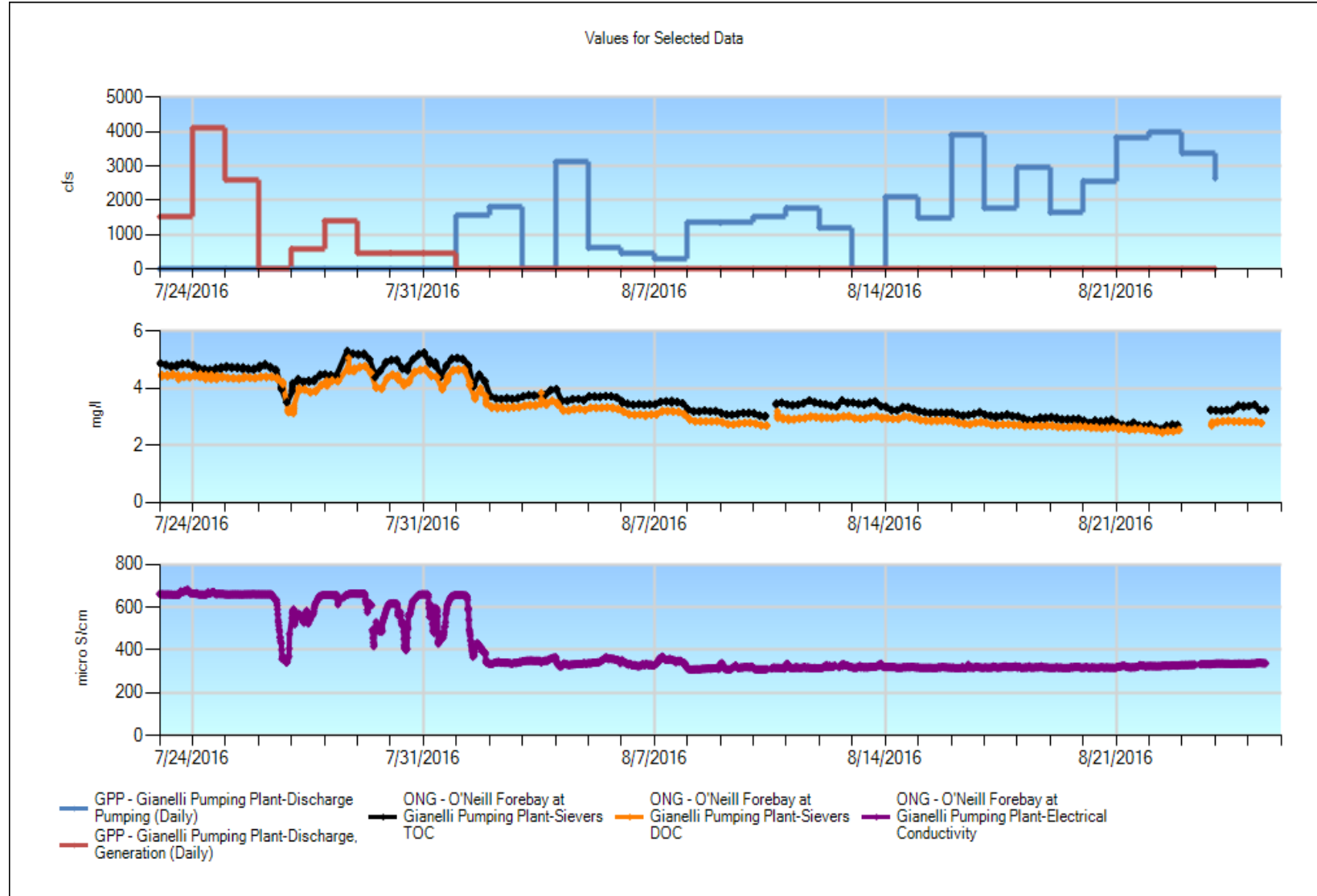


Filter changes and Events: 7/26 = Steve installed new 50 micron pleated filter system. 8/3 = New prefilter. 8/11 = QC and all filters changed. 8/15 = Drain clogged and water backed up in the station. Pump shut down until next visit. 8/17 = Drain cleared and pump/analyzers restarted. New prefilters. 8/19 = Discovered that a water delivery line for the Sievers was disconnected. 8/24 = QC and new prefilters.



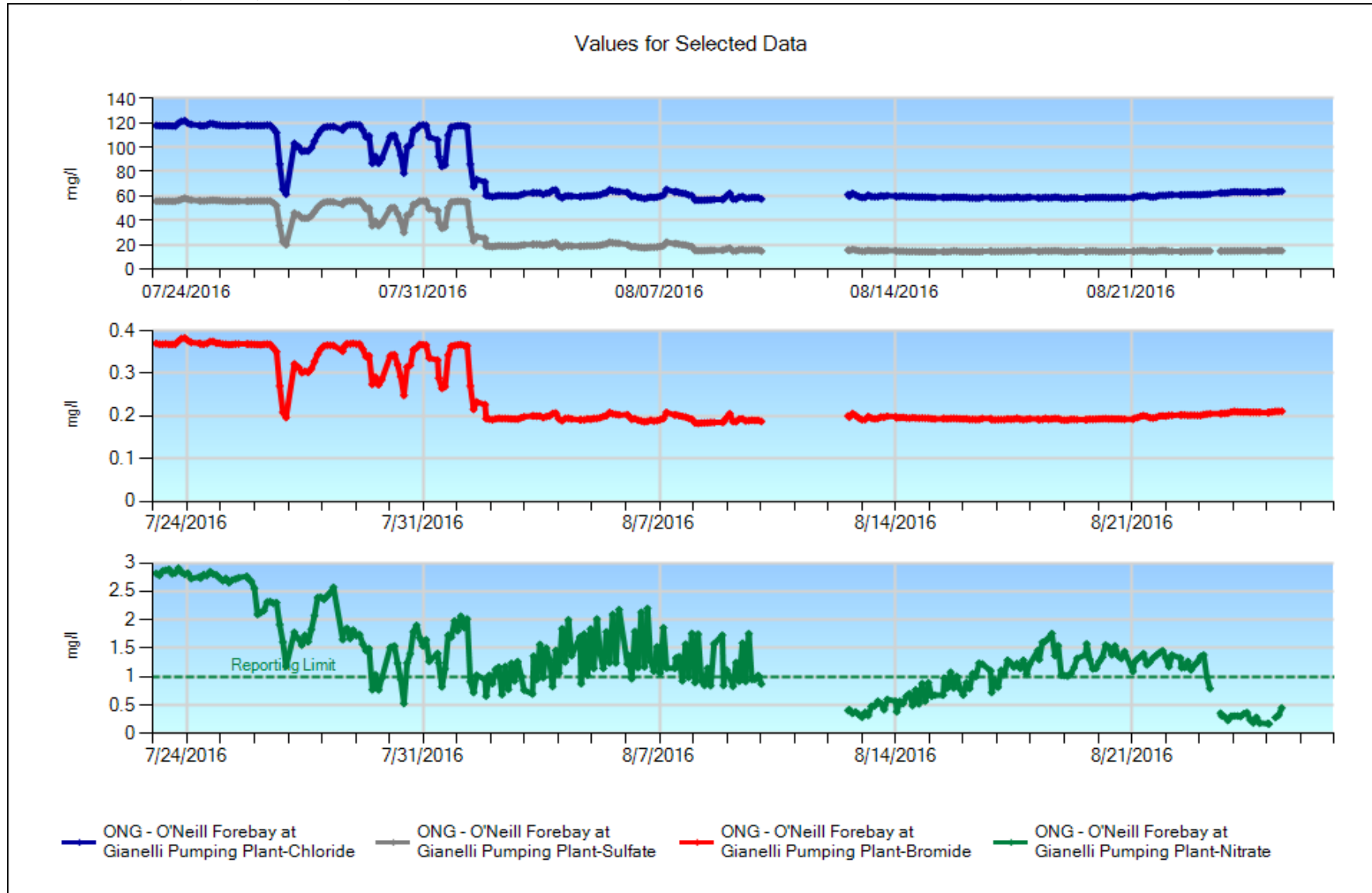
Events: **8/3** = New prefilters. **8/4** = Preventive maintenance completed for the Dionex ICS 2100, but a new pressure transducer was needed and ordered. **8/11** = Preventative maintenance for the Dionex Sample Prep module (SP) and new pressure transducer installed in the ICS 2100. QC and all new filters. **8/15** = Station shut down due to clogged drain. **8/17** = Drain cleared and analyzers restarted. New prefilters. **8/23 – 8/25** = Retention time shift required for bromide. Data available, just not at the time of this update. **8/24** = QC and new prefilters.

Gianelli – Pumping, Organic Carbon, EC



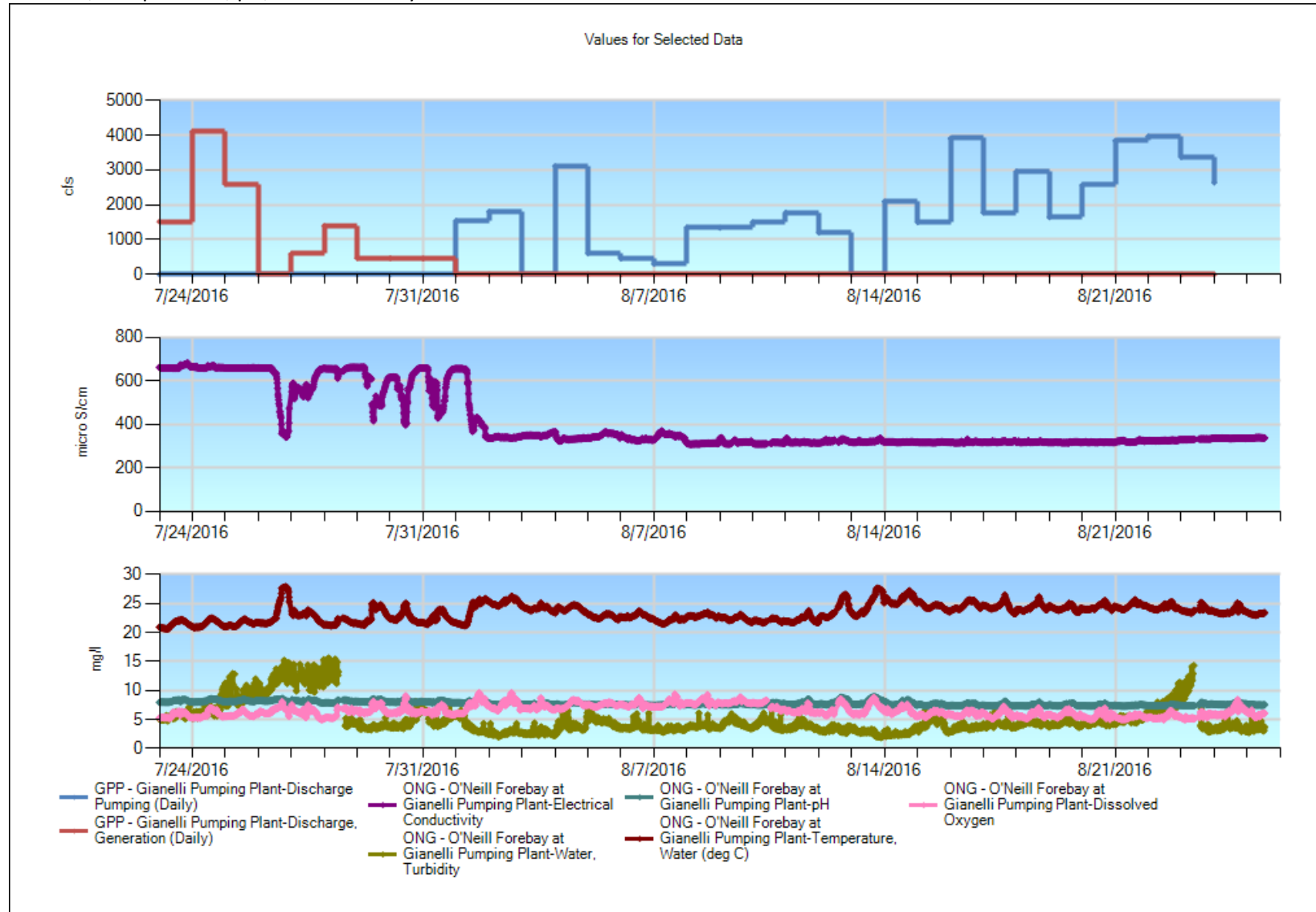
- Filter changes on 8/10 and 8/23 showed overloaded filters caused decreases and convergence in TOC and DOC.

Gianelli – Chloride, Sulfate, Bromide, Nitrate

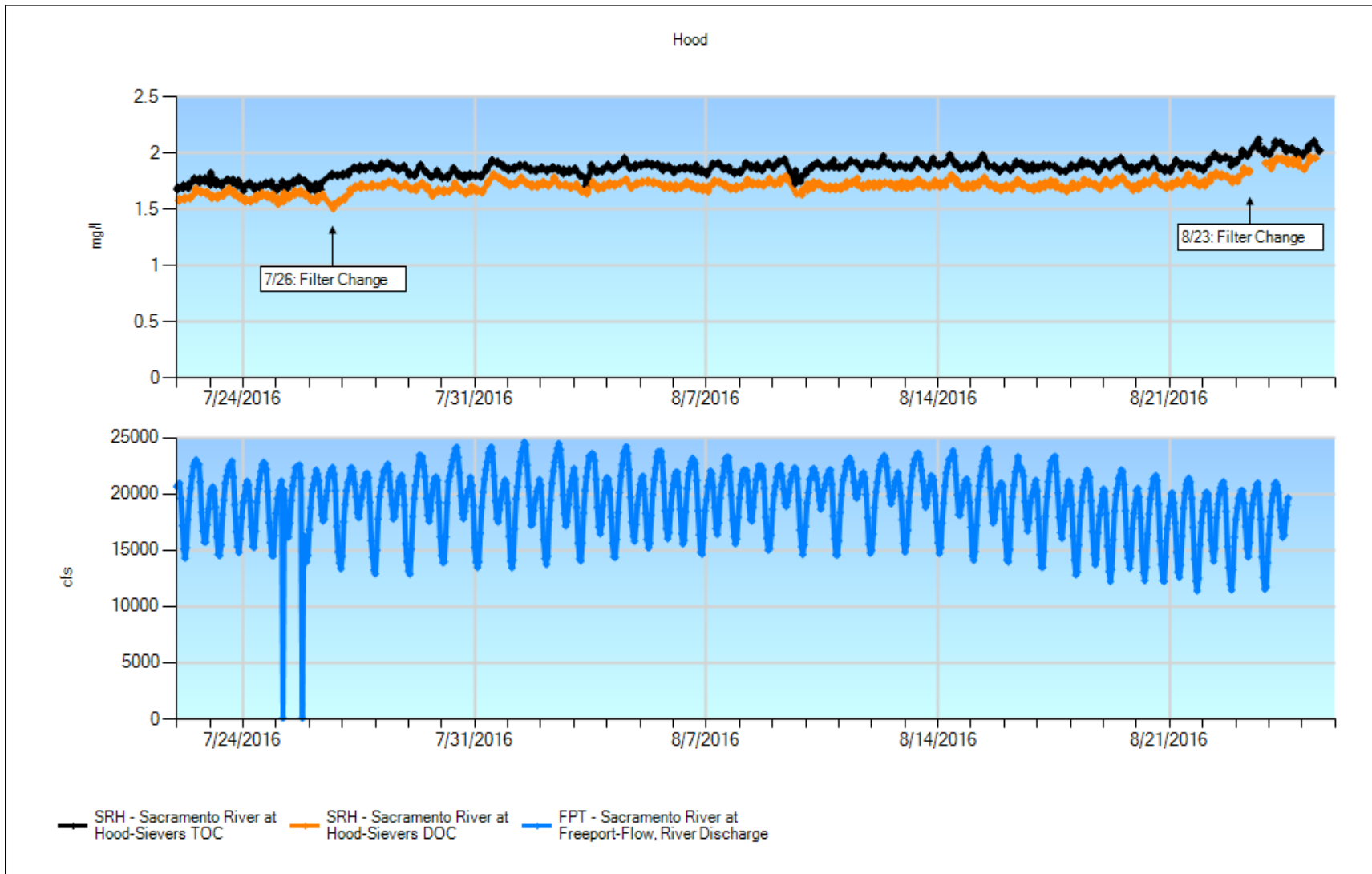


- 8/10 to 8/12 – An internal valve in the Dionex clogged and caused the instrument to stop.

Gianelli – EC, Temperature, pH, DO & Turbidity



- Periods of high turbidity, ending on 7/28 and 8/23, were caused by a buildup of muck in the YSI housing.



Significant Events: July 22th 2016 to August 25th 2016

- **7/26 Filter Change:** All filters changed.
- **8/23 Filter Change:** 75, 1, .45 micron filter change.

