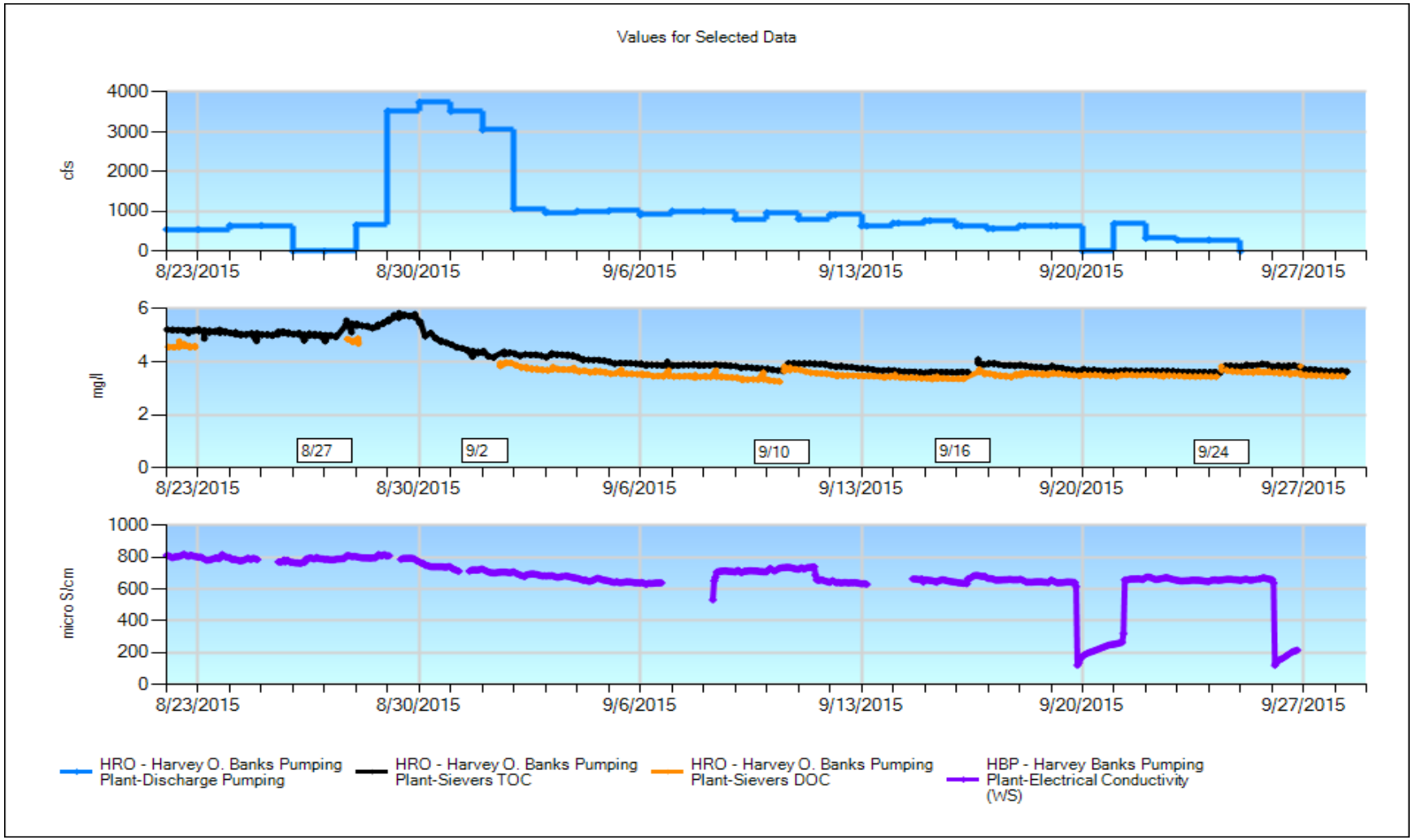
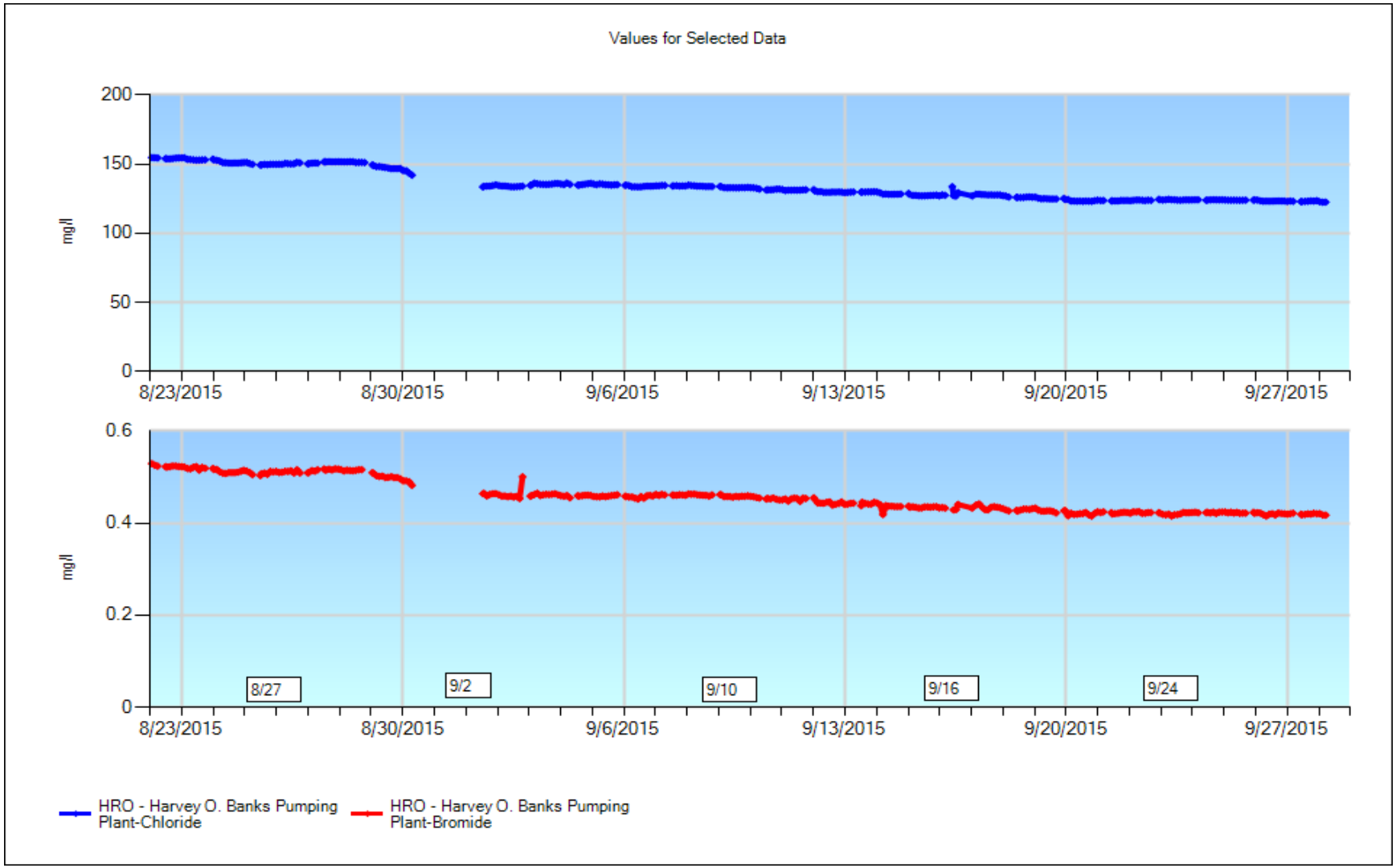
Banks Pumping Plant: Pumping – TOC, DOC - EC



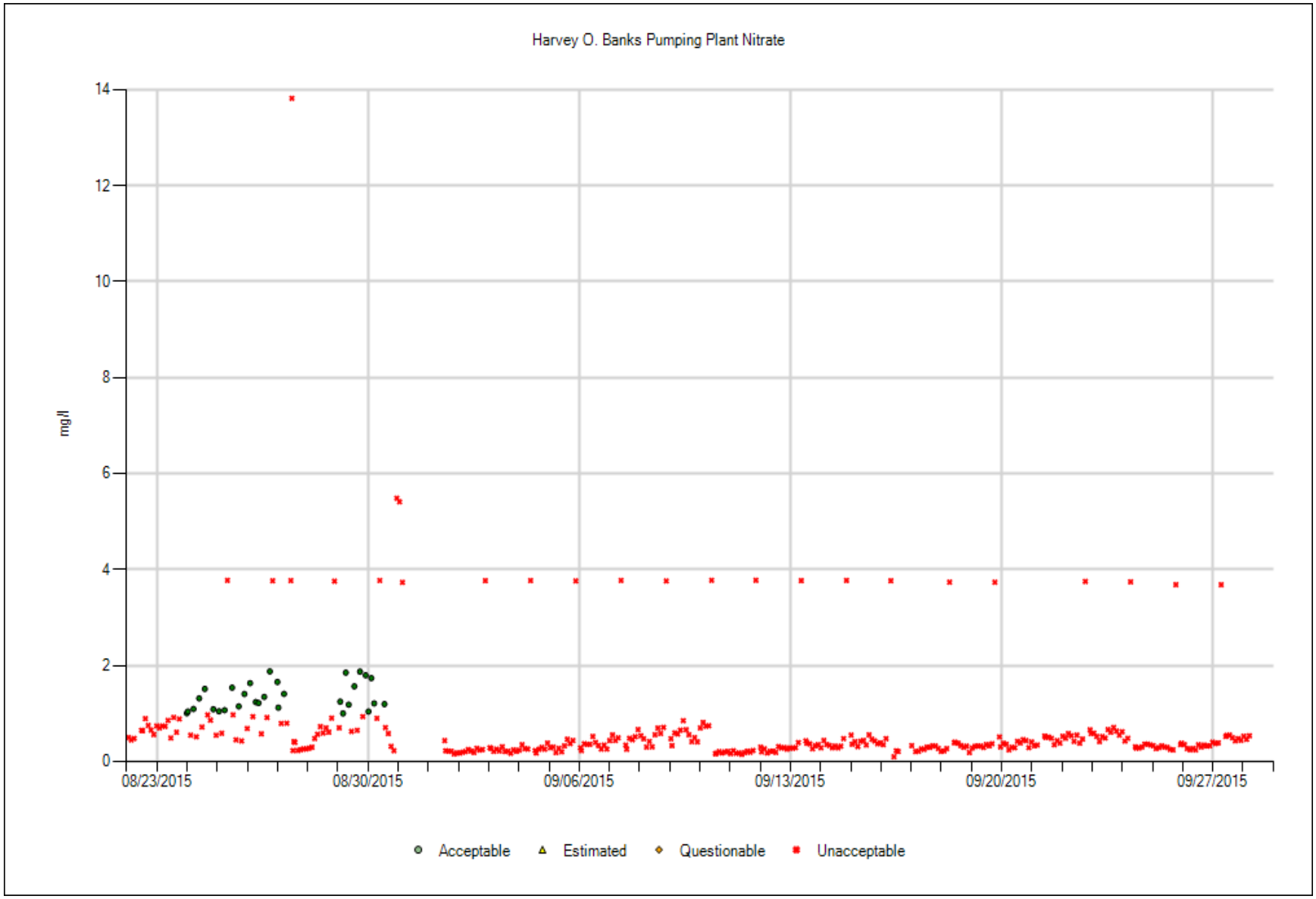
8/27: Initial DOC non-reporting (8/23 to 8/27) due to power outage, secondary non-reporting period (8/28 to 9/2) due to an incorrect instrument setting, carbon analyzer acid cartridge change, sample delivery system filter change, QC sample analysis – **9/2**: Sample intake replacement – **9/10**: Sample delivery system filter change – **9/16**: QC sample analysis, sample delivery system filter change – **9/24**: Sample delivery system filter change

Banks Pumping Plant: Chloride and Bromide

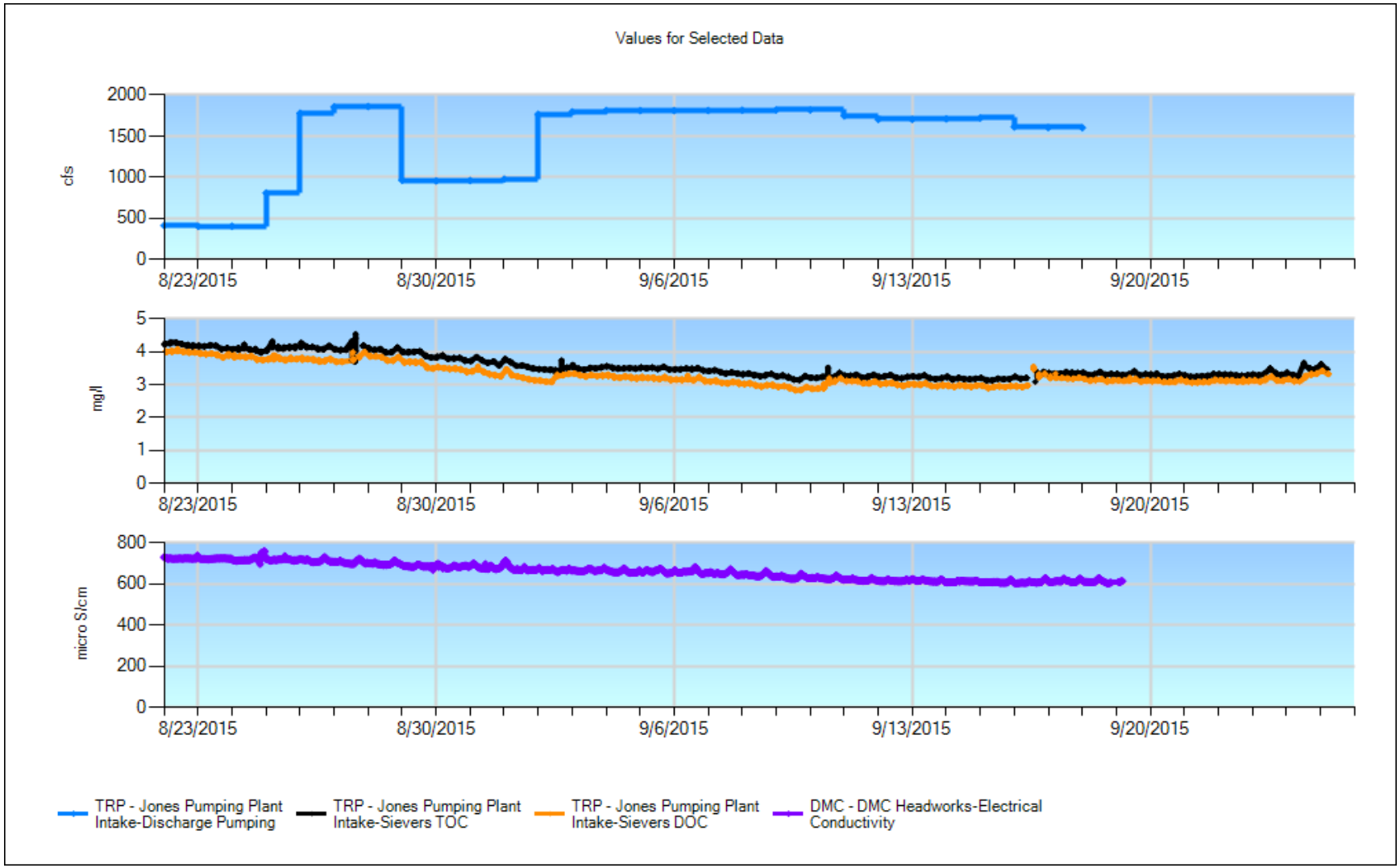


8/27: Sample delivery system filter change, QC sample analysis – **9/2**: Sample intake replacement – **9/10**: Sample delivery system filter change – **9/16**: QC sample analysis, sample delivery system filter change – **9/24**: Sample delivery system filter change

Banks: Nitrate

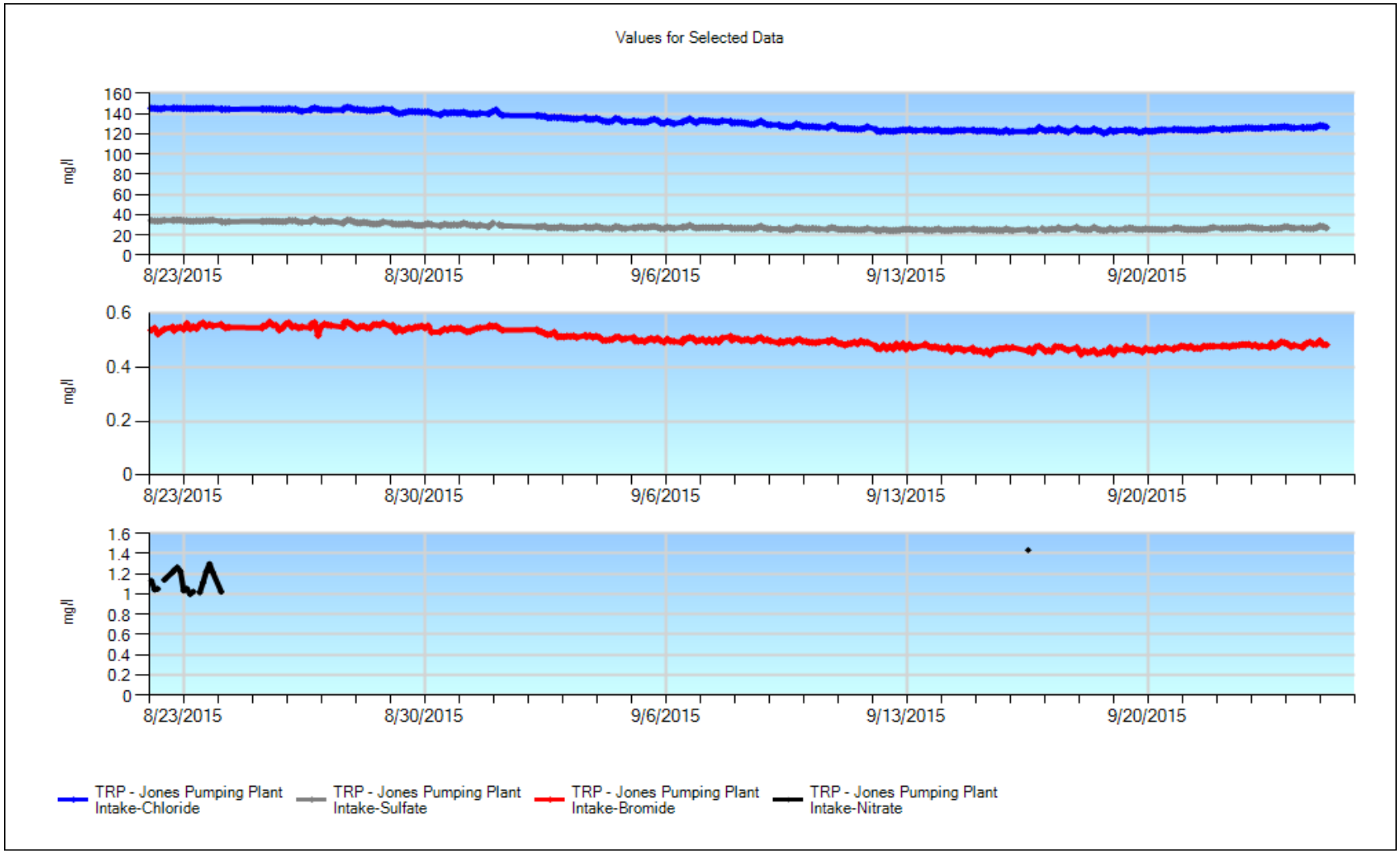


Jones PP –pumping, organic carbon and EC



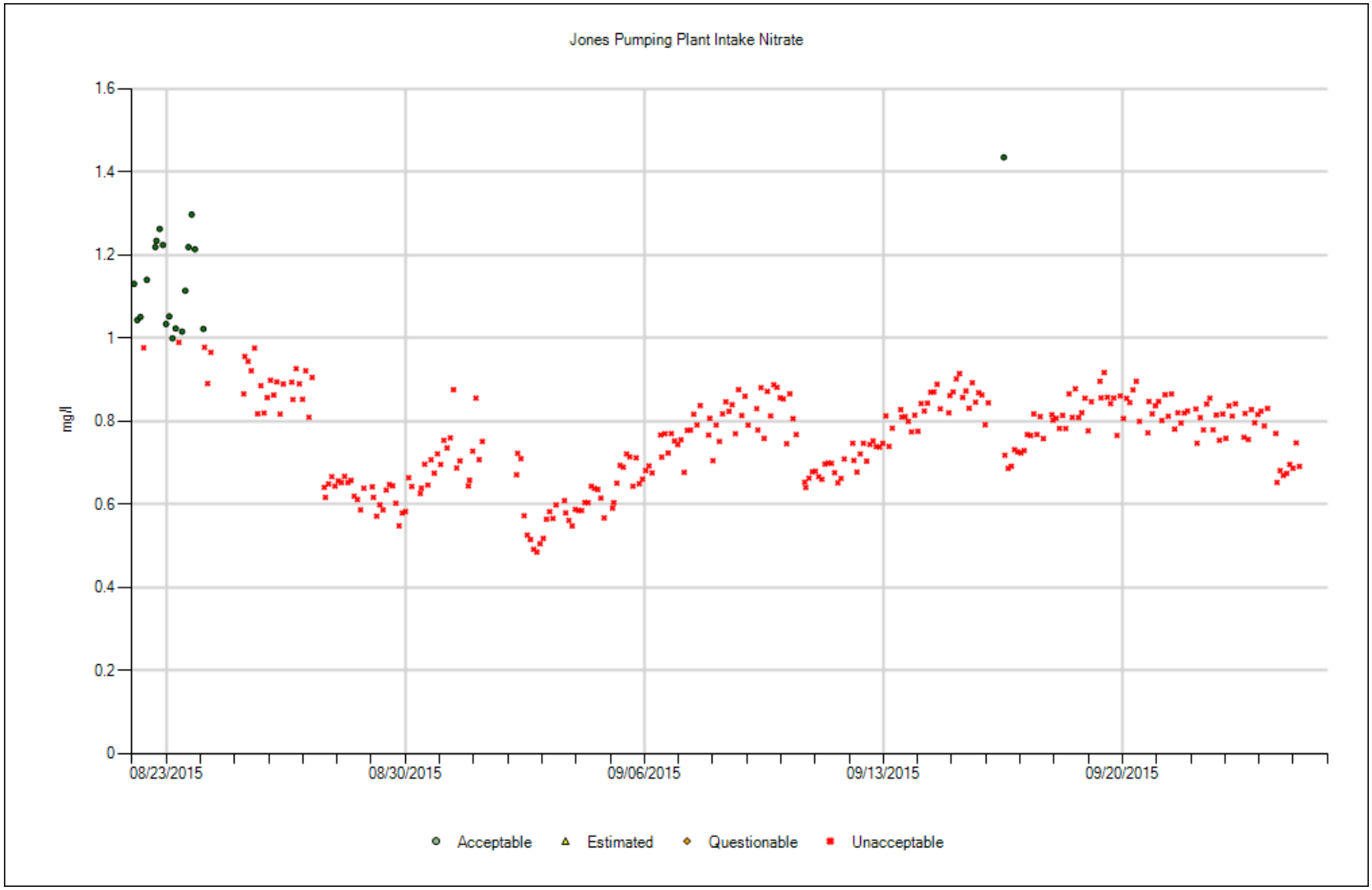
8/27 – filter change. Acid cartridge replaced for the Sievers. **9/2** – filter change **9/10** – filter change **9/16** – filter change **9/24** – filter change. IOS cleaned. **9/18 – current** – pumping and EC data has not been making it over to the DMU. Pumping is scheduled for **800 cfs from 9/21-9/25**.

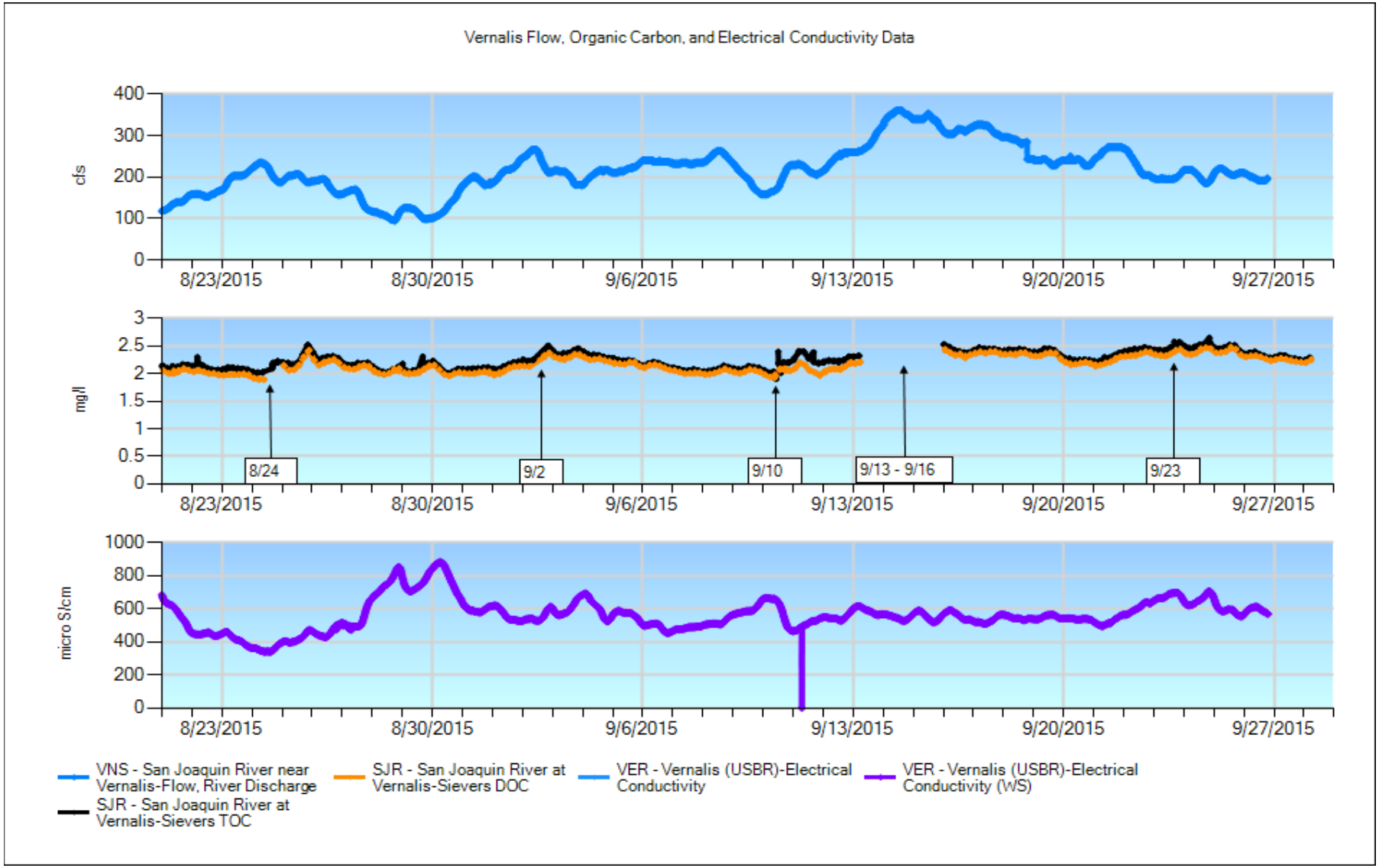
Jones PP – chloride, sulfate, bromide and nitrate



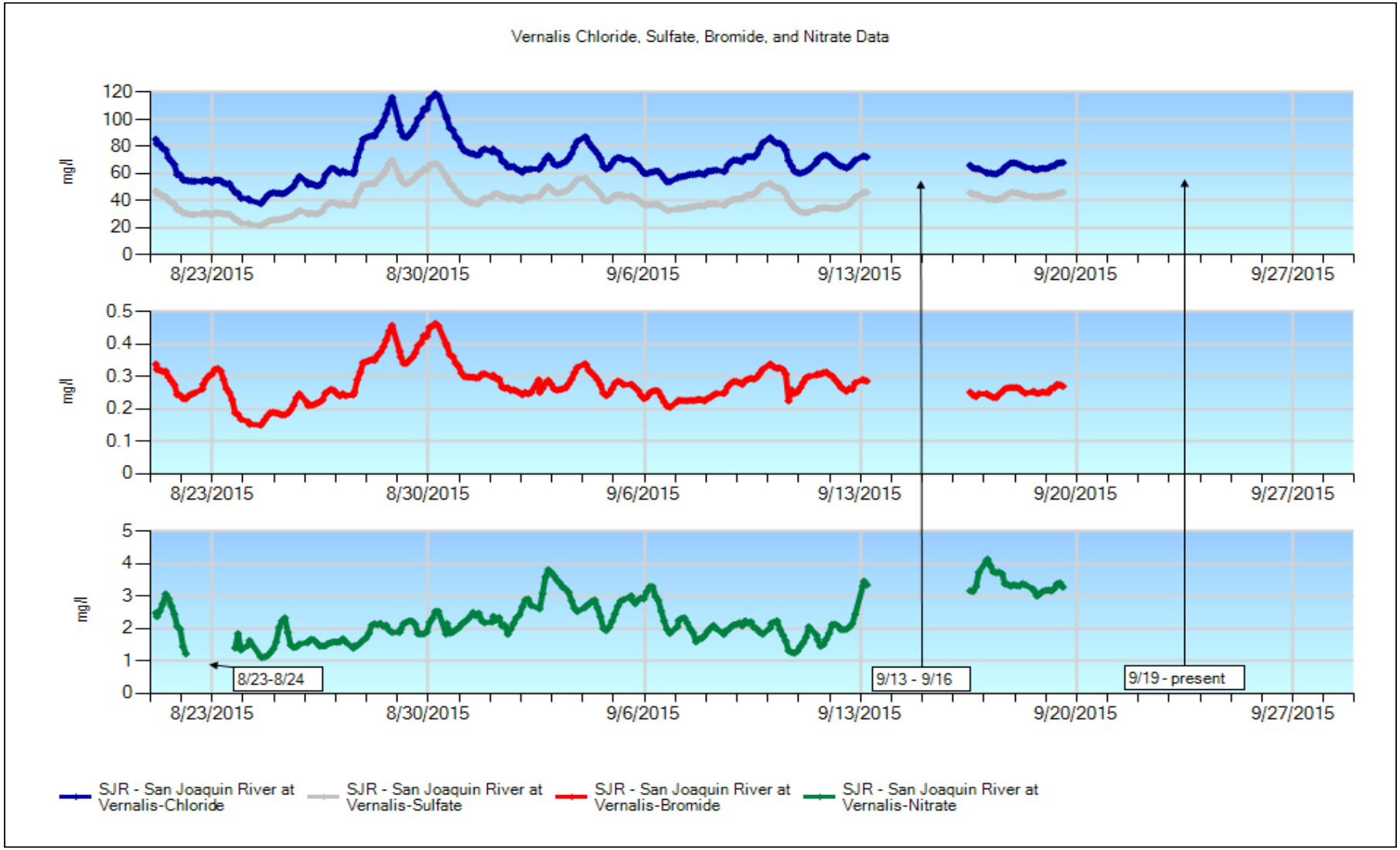
9/24 – new check standard made. **8/24 – current** - Nitrate is reporting below the R.L.

Jones PP – nitrate values reporting below the 1.0 mg/L reporting limit



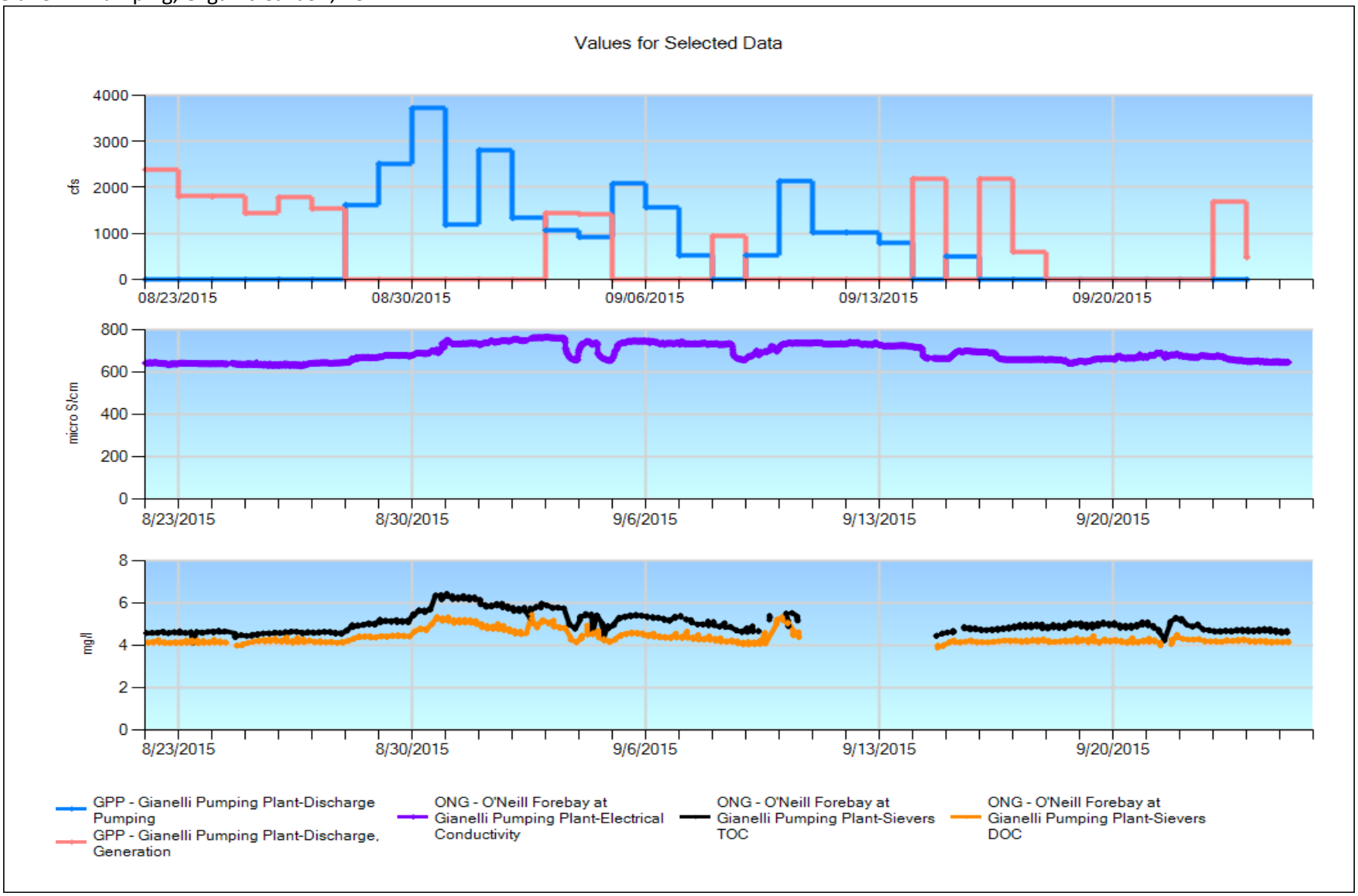


Filter Changes: 8/24, 9/15 = all filters. **9/2, 9/10, 9/23** = prefilters only. **Events: 8/24:** QC filter change. **9/2:** prefilter change and pump work. **9/10:** prefilter change. **9/13 – 9/16:** computer shut down on Sunday; restarted Tuesday, but modem needed to be reset on Wednesday. Carbon data exists for 9/13 – 16, needs to be manually exported. **9/23:** prefilter change.



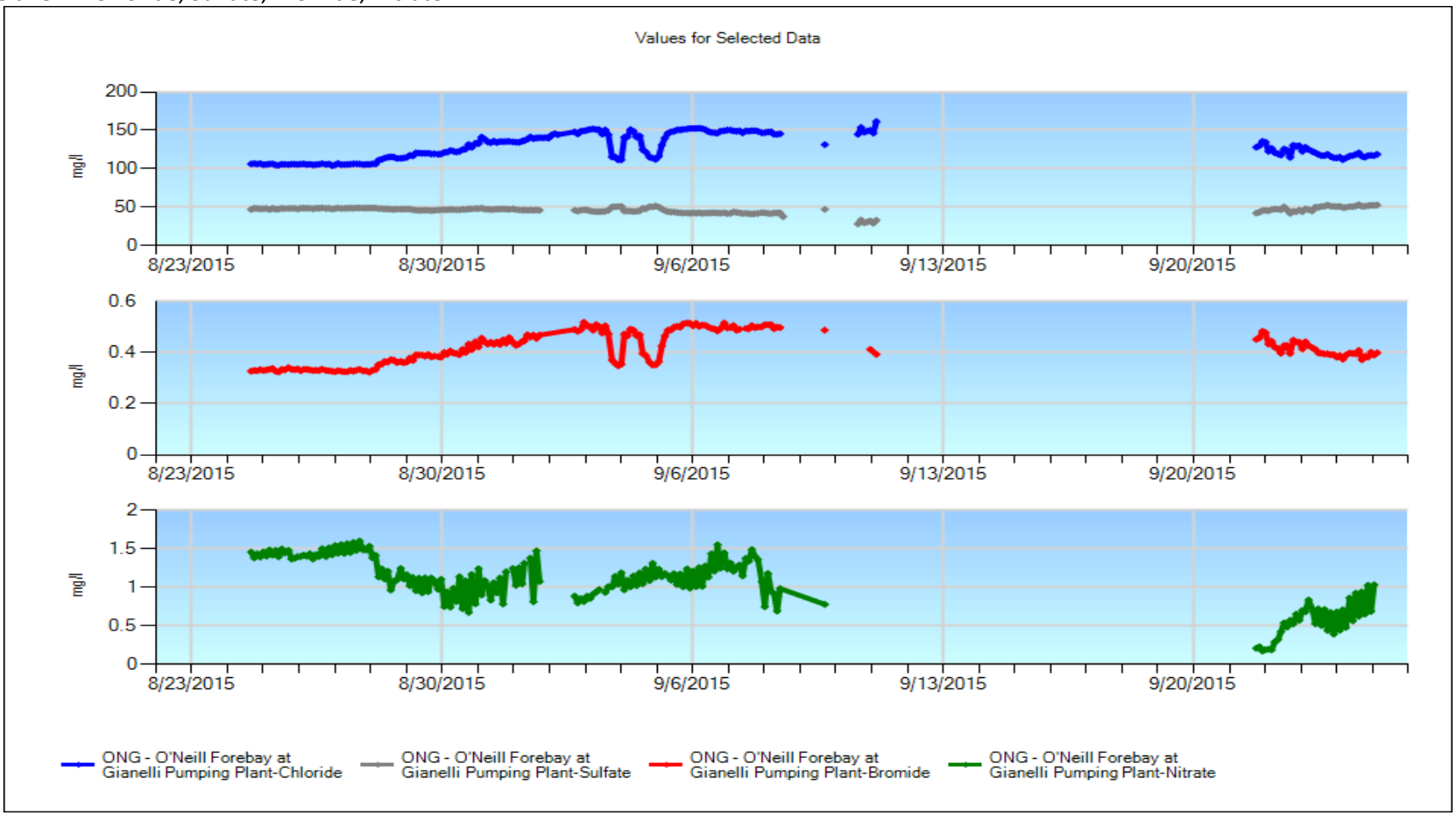
Events: 8/23 – 8/24: Nitrate below reporting limit. **9/13 – 9/16:** Computer shut down, causing analyzer to go to "idle" mode. Restarted on 9/15; modem reset on 9/16. Anion data available for 9/15-9/16 and will be reported to the Data Utility soon. **9/19 – present:** Analyzer overpressured and the columns needed to be replaced. Internal peristalic pump would not pull stock calibration standard into the analyzer, which has been resolved, but the calibration curves are not good. Currently working to correct the issue; can use PM service contract if needed.

Gianelli – Pumping, Organic Carbon, EC



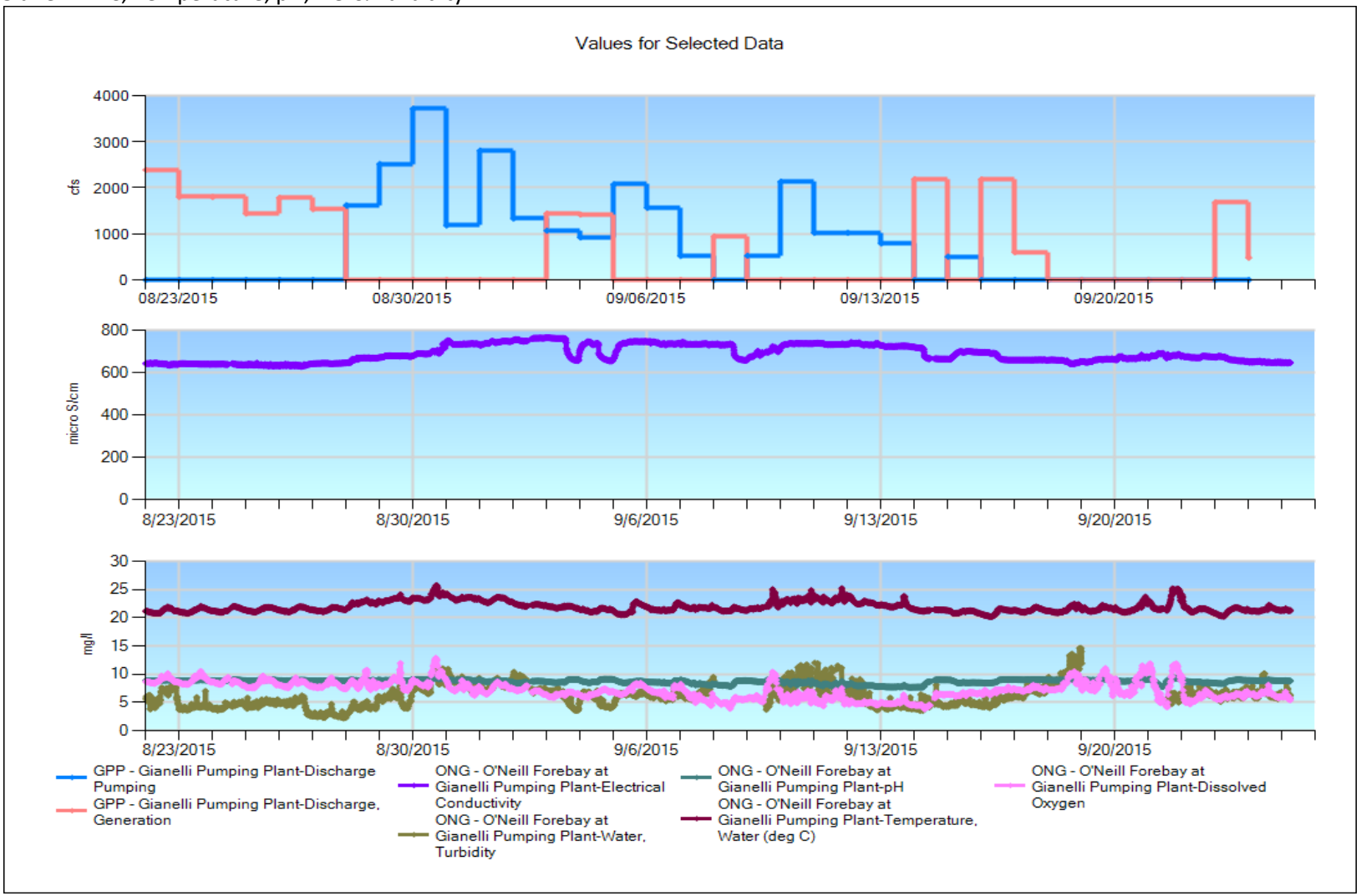
TOC & DOC (9/10 – 9/14) --- The solenoid valve was not switching between streams properly causing samples to overlap.

Gianelli – Chloride, Sulfate, Bromide, Nitrate

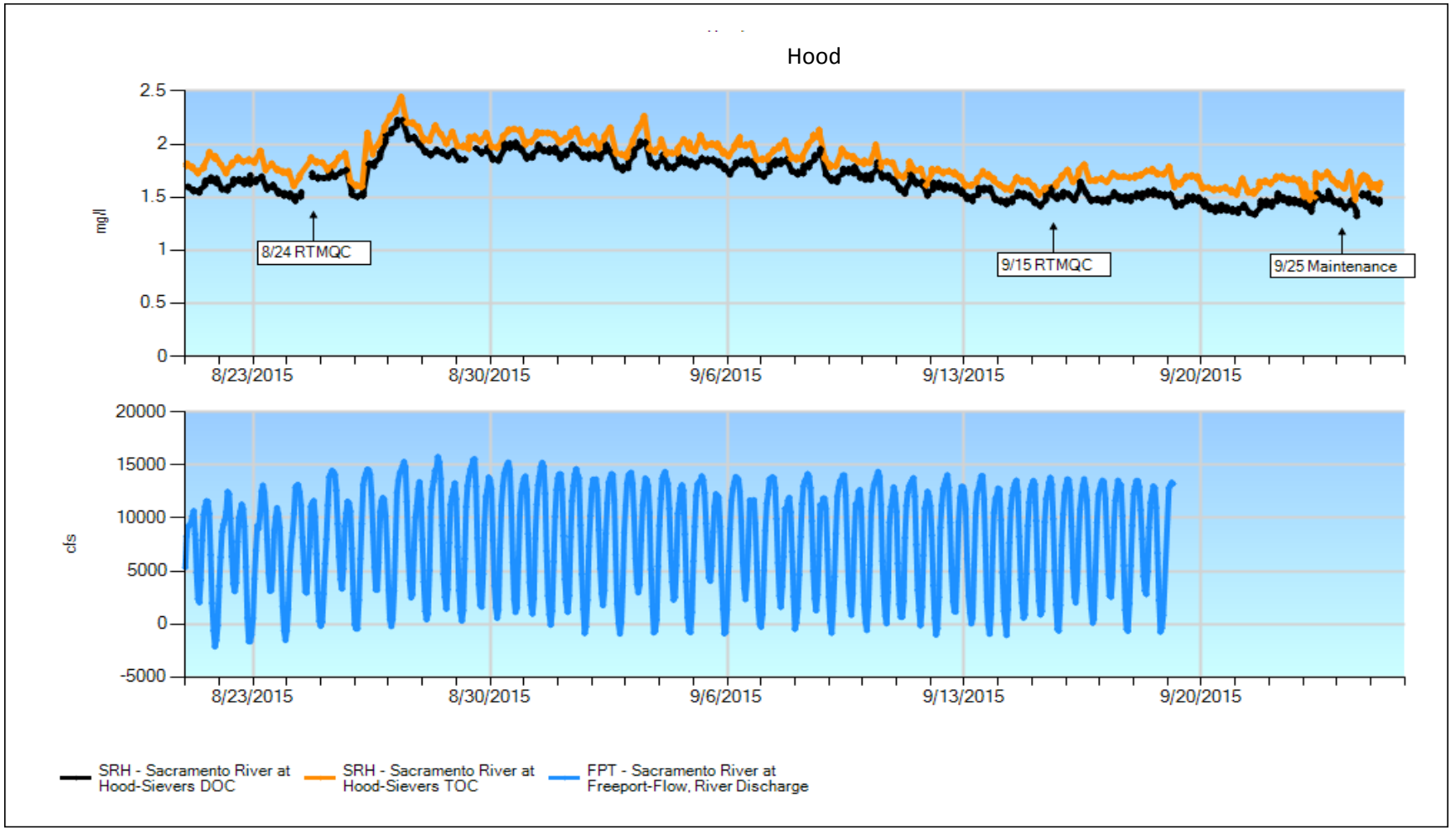


- All parameters (8/21 – 8/24) --- The column was loose in the holder and lost connection with the instrument causing it to shut down
- All parameters (9/1 – 9/2) --- The column started to expire and needed to be replaced
- All parameters (9/8 – 9/9) --- A leak in the pulsation dampener caused the instrument to shut down. We bypassed the part and restarted
- All parameters (9/11 – 9/21) --- I found a second leak coming out of the back of the instrument. I called Technical Support and they said we would have to shut down until a technician could come out and replace the part. I called them back a few days later and spoke to someone different who said we could bypass this part as well. We previously had run without this part activated so bypassing it shouldn't be a problem.

Gianelli – EC, Temperature, pH, DO & Turbidity



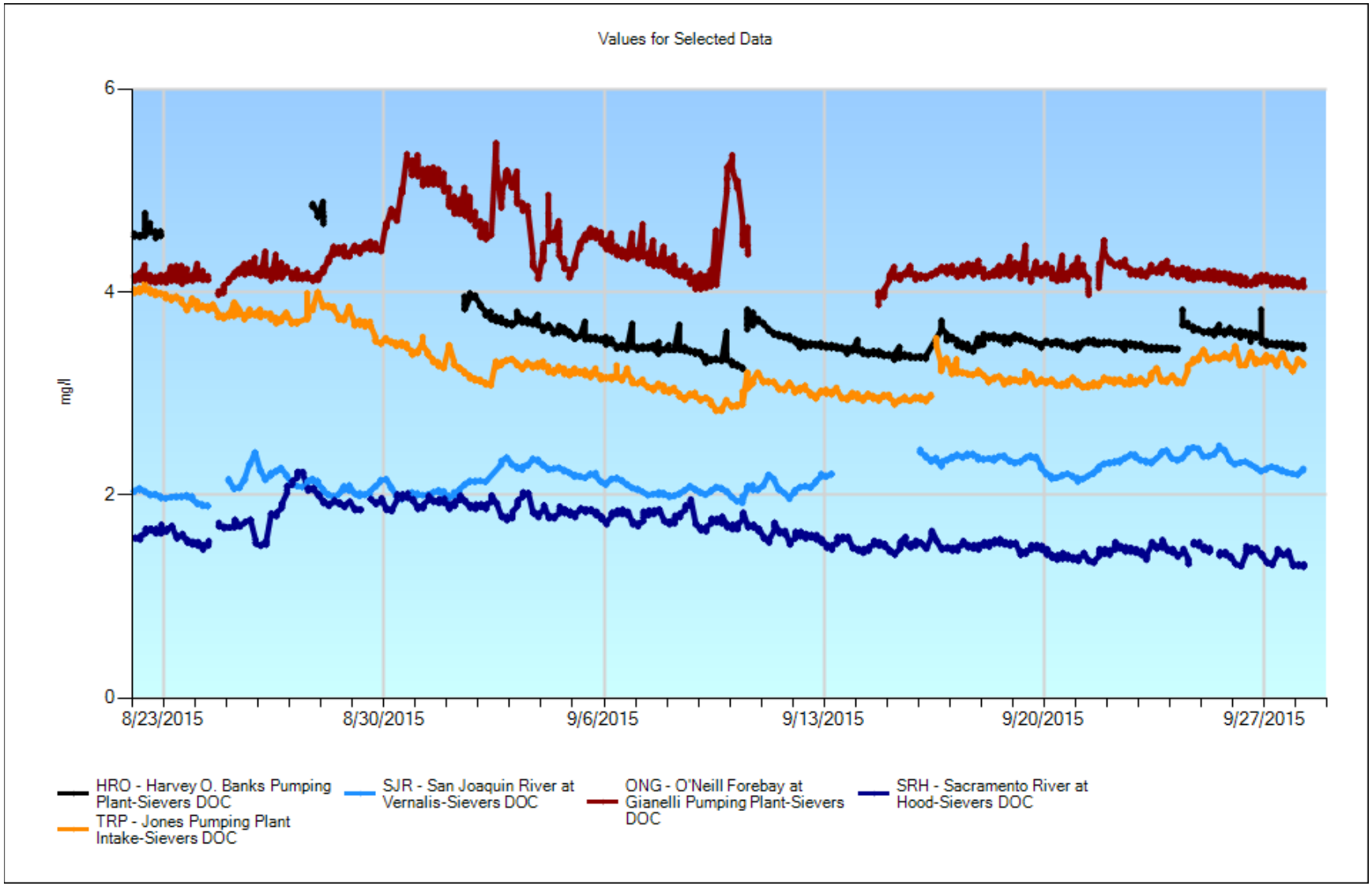
- Turbidity (9/8 – 9/9) & (9/19 – 9/21) --- A large buildup of muck in the housing caused errant turbidity readings.



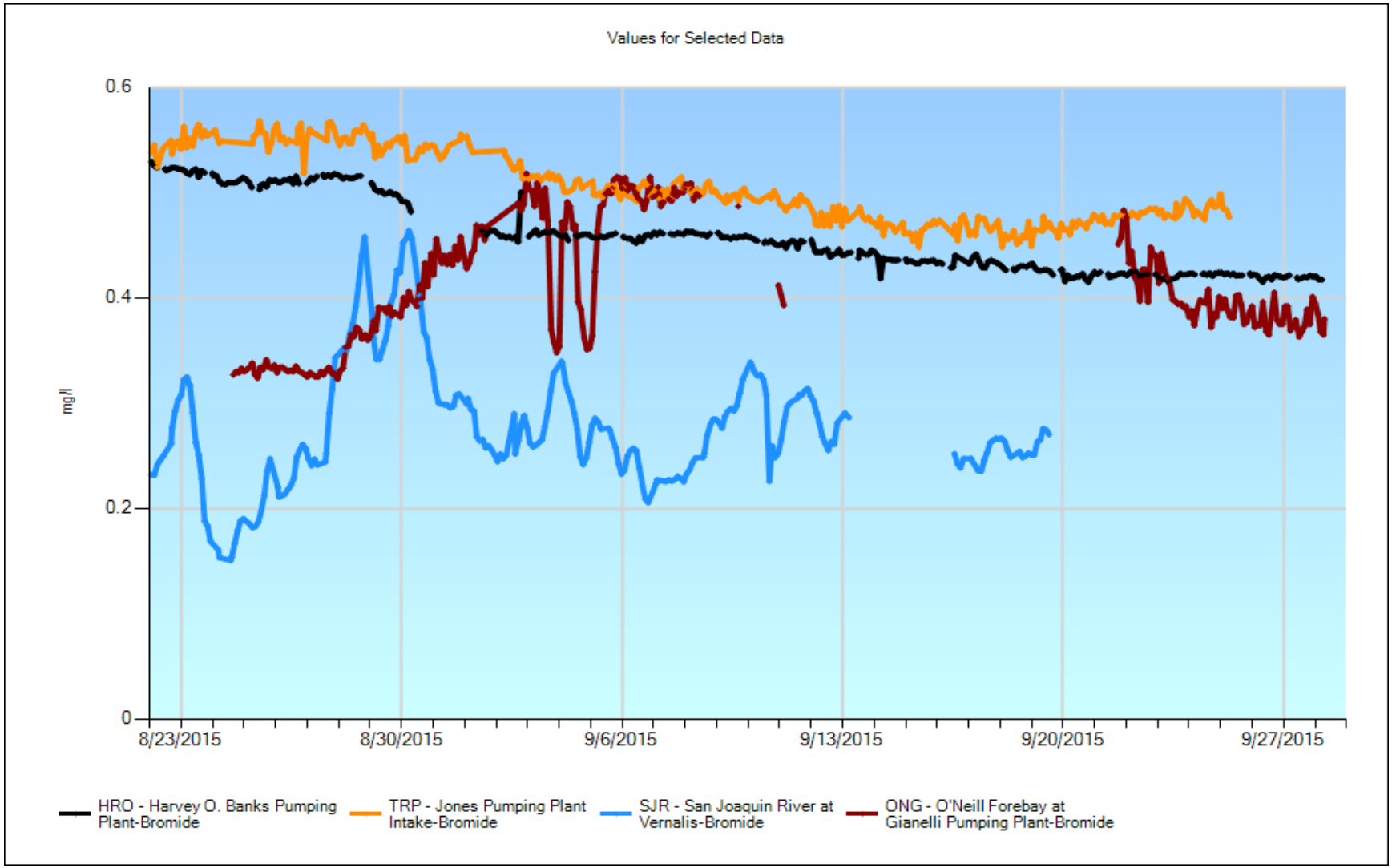
Significant Events: August 21th 2015 to September 25th 2015

- **8/24 RTMQC:** Changed all filters.
- **9/15 RTMQC:** Changed 75µ (micron) and 50µ filter.
- **9/25 Maintenance:** Changed the 75µ and 50µ filter. Replaced the acid cartridge and cleaned the solenoid valves.

All Station DOC



All Station Bromide (Except Hood)



All Station EC