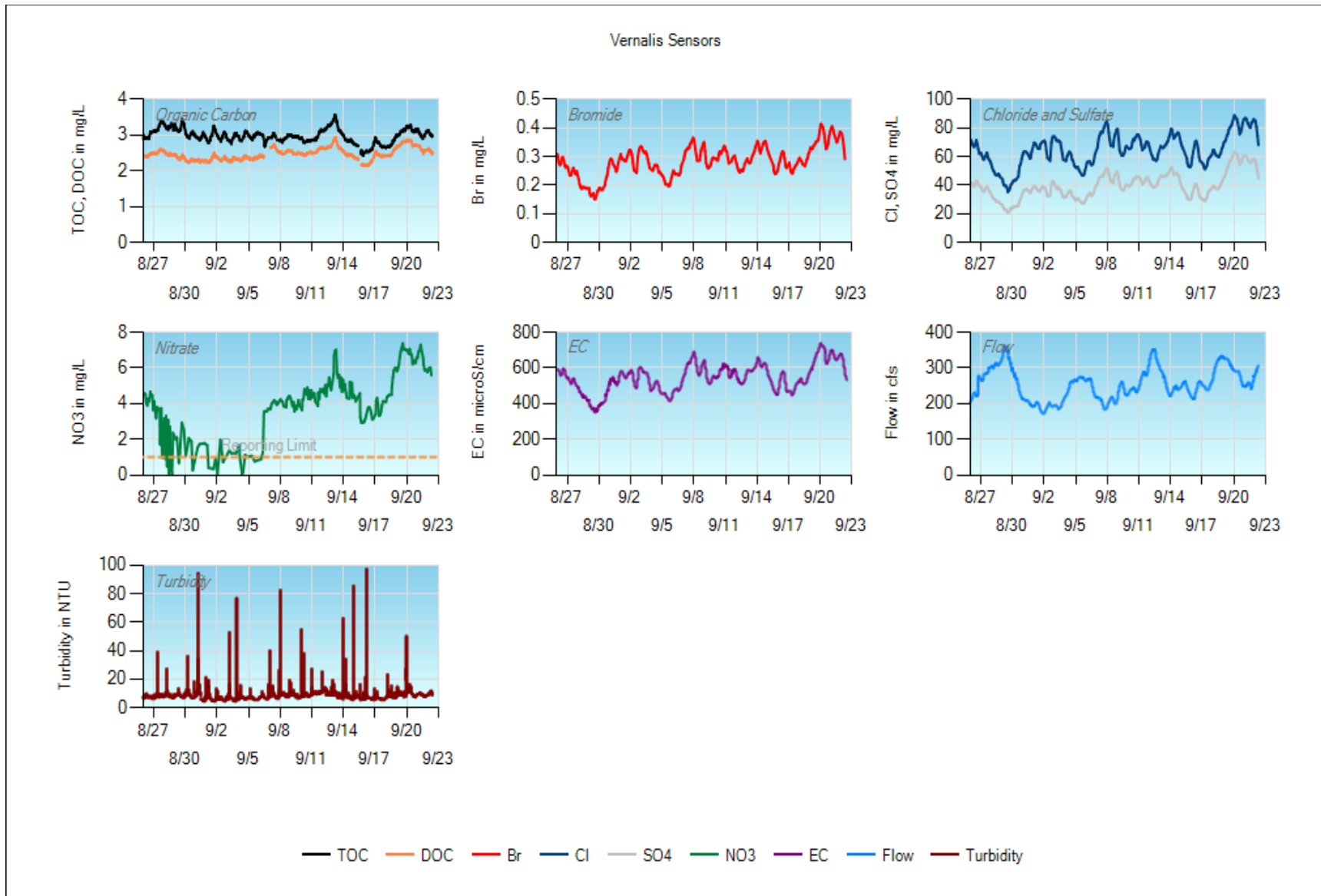
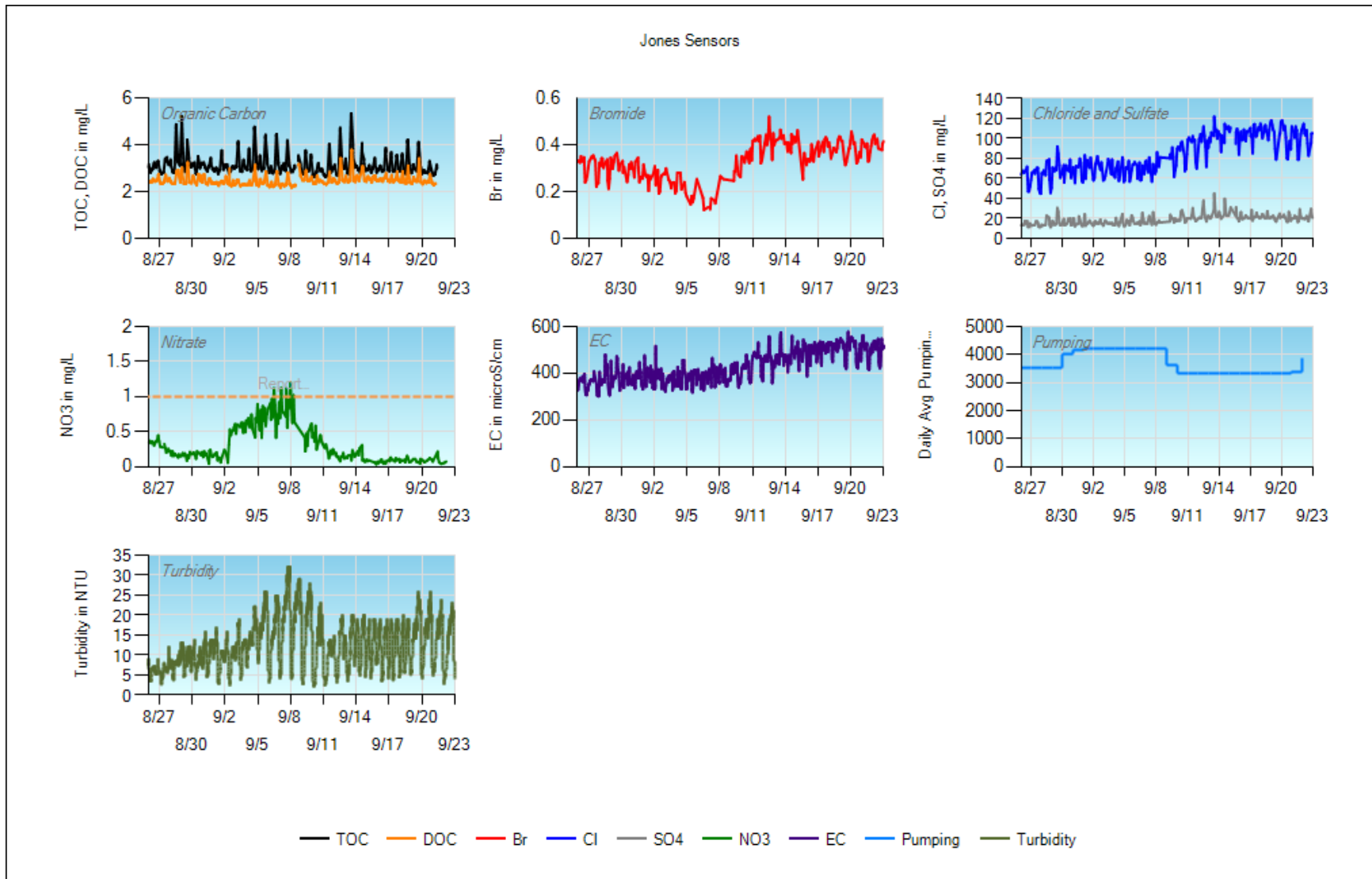


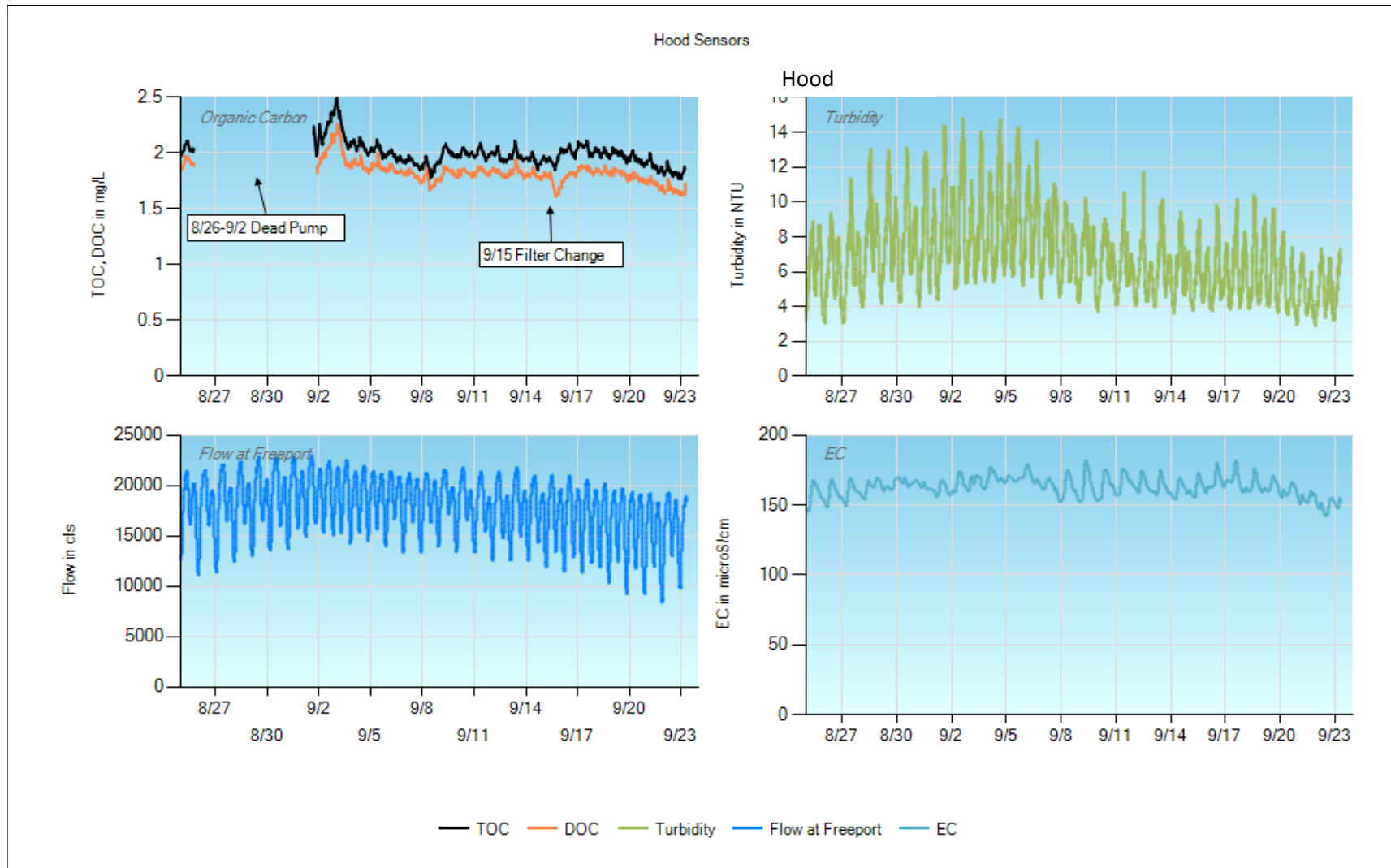
**9/2** – Removed 100 um filter and cleaned 50 um pleated filter. **9/7** – Installed new columns on the anion analyzer, initiated calibration. **9/8** – Cleaned 50 um filter. **9/14** – Cleaned 50 um filter and rinsed 0.45 um filter. **9/21** – Changed 1 um filter and cleaned 50 um pleated filter.



**Events:** 9/6 = Replaced 50 micron filter. 9/15 = QC event, replaced 50, 1, and 0.45 micron filters. Added 100 micron pre-filter. Cleaned the pump intake. 9/21 = Replaced 100 micron filter. Made new check standard for the Dionex.

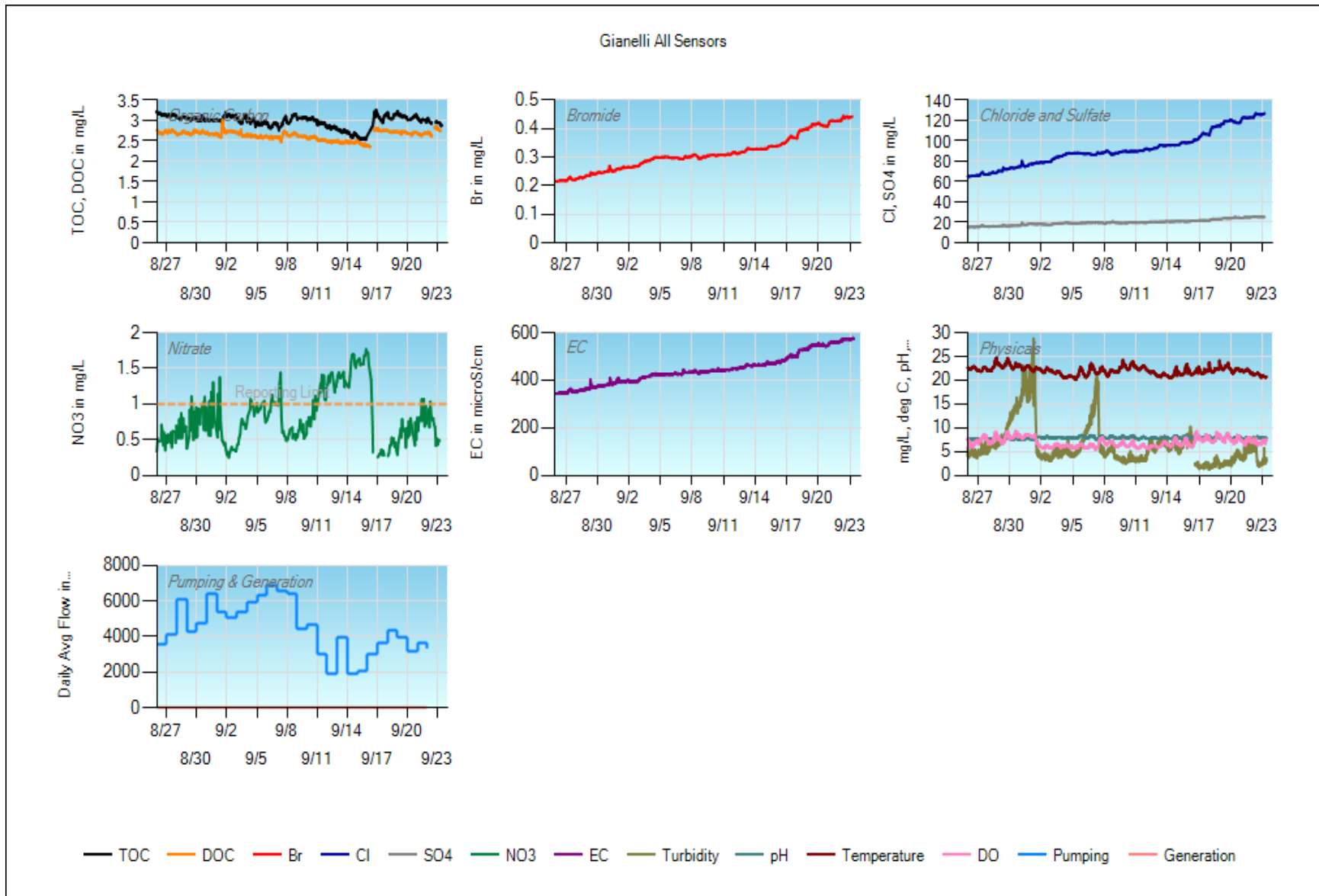


**9/2** – Filter change **9/8** – Filter change. Added a double in-line guard column to the Dionex. By doing this, bromide peaks have shifted away from the contamination peak. Bromide peaks appear to be more symmetrical and check standard values more accurate. **9/14** – Filter change **9/21** – Filter change. Flow magnet stuck causing erroneous organic carbon data. Nitrate continues to report below the reporting limit.



### Significant Events: August 25<sup>th</sup> 2016 to September 23<sup>th</sup> 2016

- **8/26-9/2 Dead Pump:** The pump stopped working. It took almost a week to get it replaced because the motor was not available and had to be shipped to O'Dell's local pump store. Once both parts were in we replaced the old pump with the new one.
- **9/15 Filter Change:** replaced the 100 $\mu$  micron filter and 1 $\mu$  filter.



9/2, 9/8, & 9/16 – Clogging of filters and fouling of YSI housing caused questionable readings for organic carbon, nitrate, and turbidity

