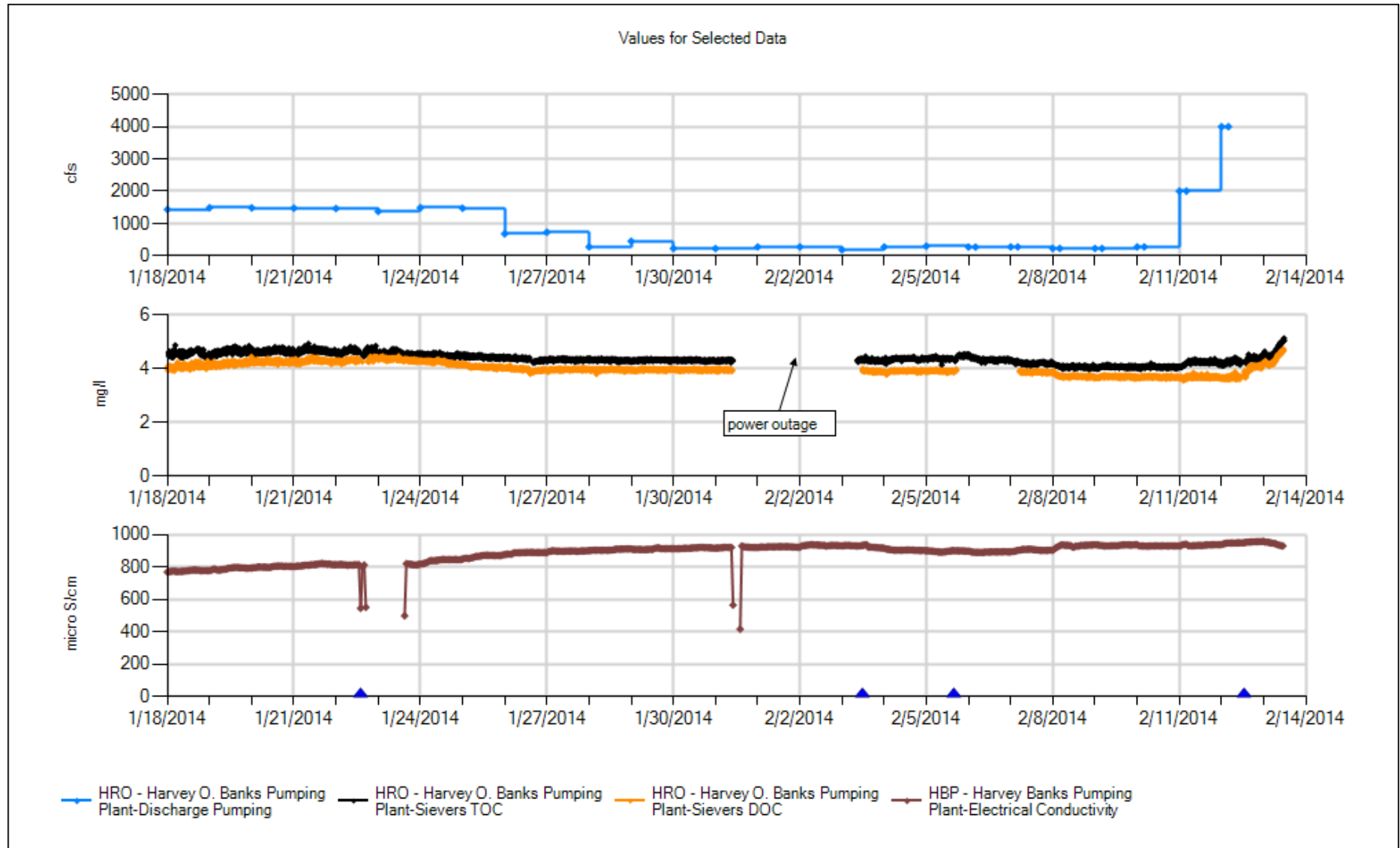
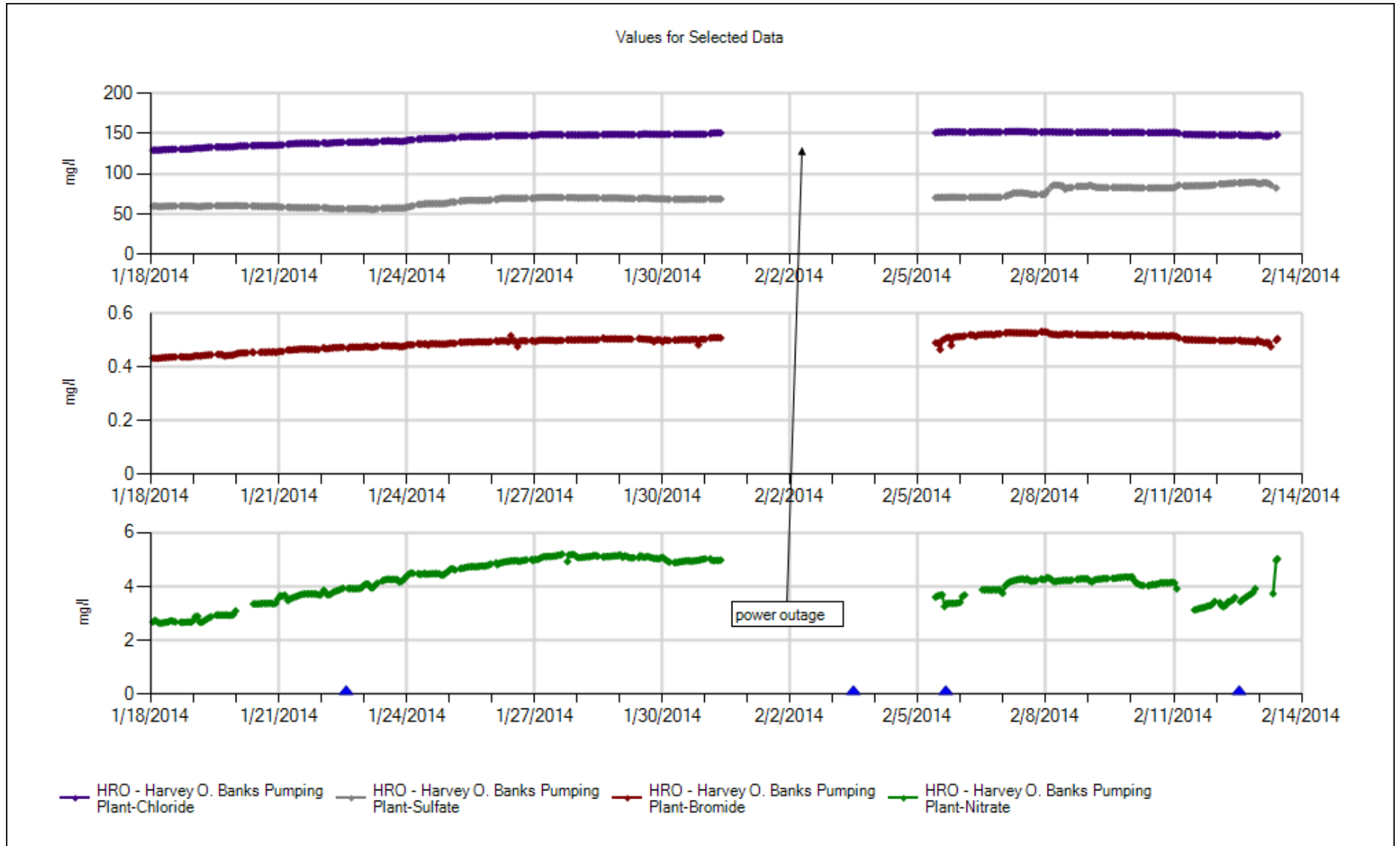


Banks P.P. - Pumping, Organic Carbon, EC



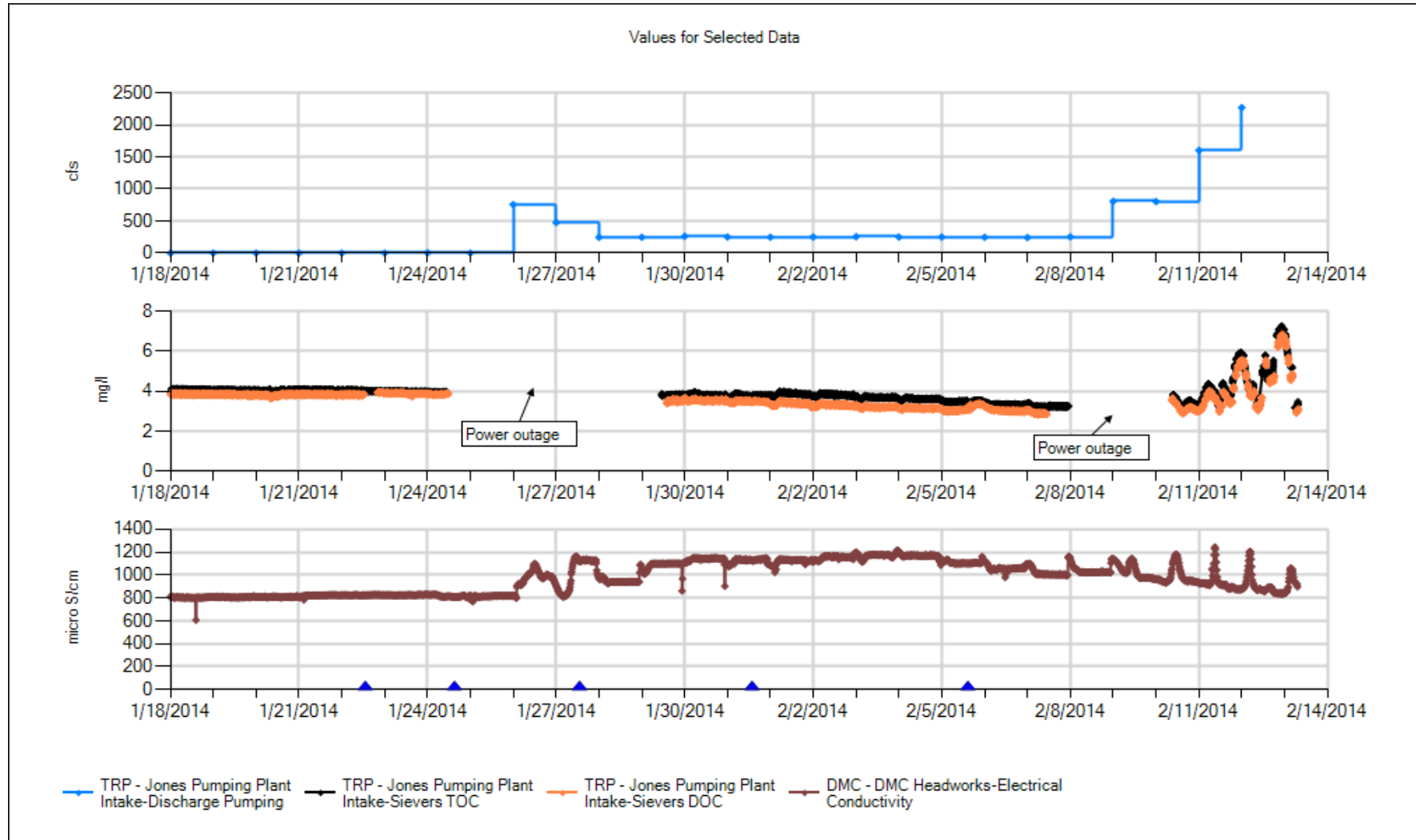
- 1/22 – filter change
- 1/31 – 2/3 – There was a power outage at Banks.
- 2/5 – Filter change. DOC data was omitted because of an artificial spike in DOC from the 0.45 micron filter.
- 2/21 – filter change, replaced oxidizer cartridge.

Banks P.P. - Chloride, Sulfate, Bromide, Nitrate



- 1/31 – 2/5 – power outage
- 2/12 – filter change

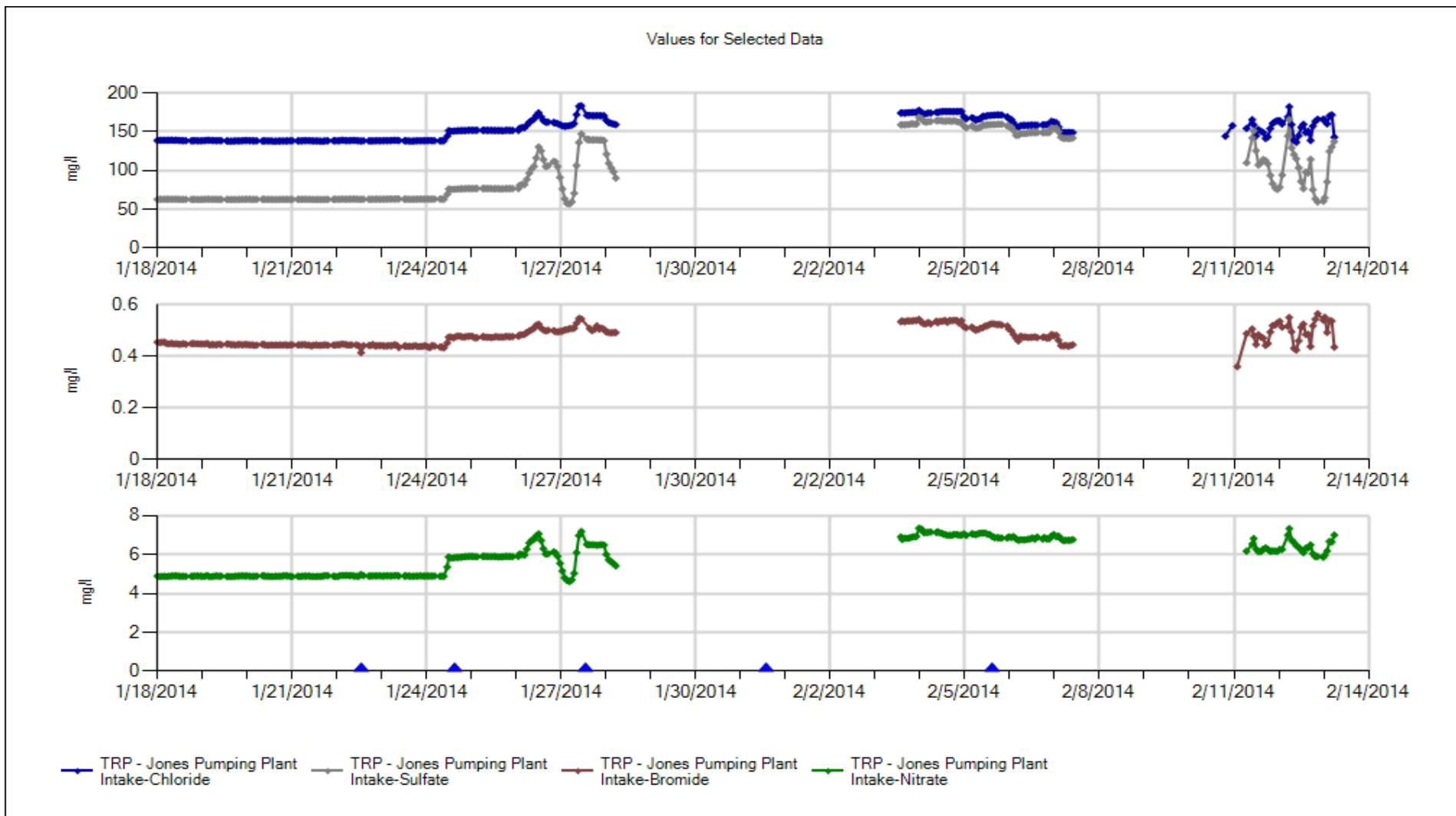
Jones P.P. – Pumping, Organic Carbon, and EC



- 1/22 – filter change and system cleaning.
- 1/24 – 1/29 – Numerous power outages at Jones caused the Streamwalker to default to running only DOC. Erroneous data and was removed.
- 1/27 – Ran a 5.0 KHP standard quality control check. Passed.
- 2/5 – filter change.
- 2/8 – 2/9 – Another power outage at Jones. Erroneous data was removed.

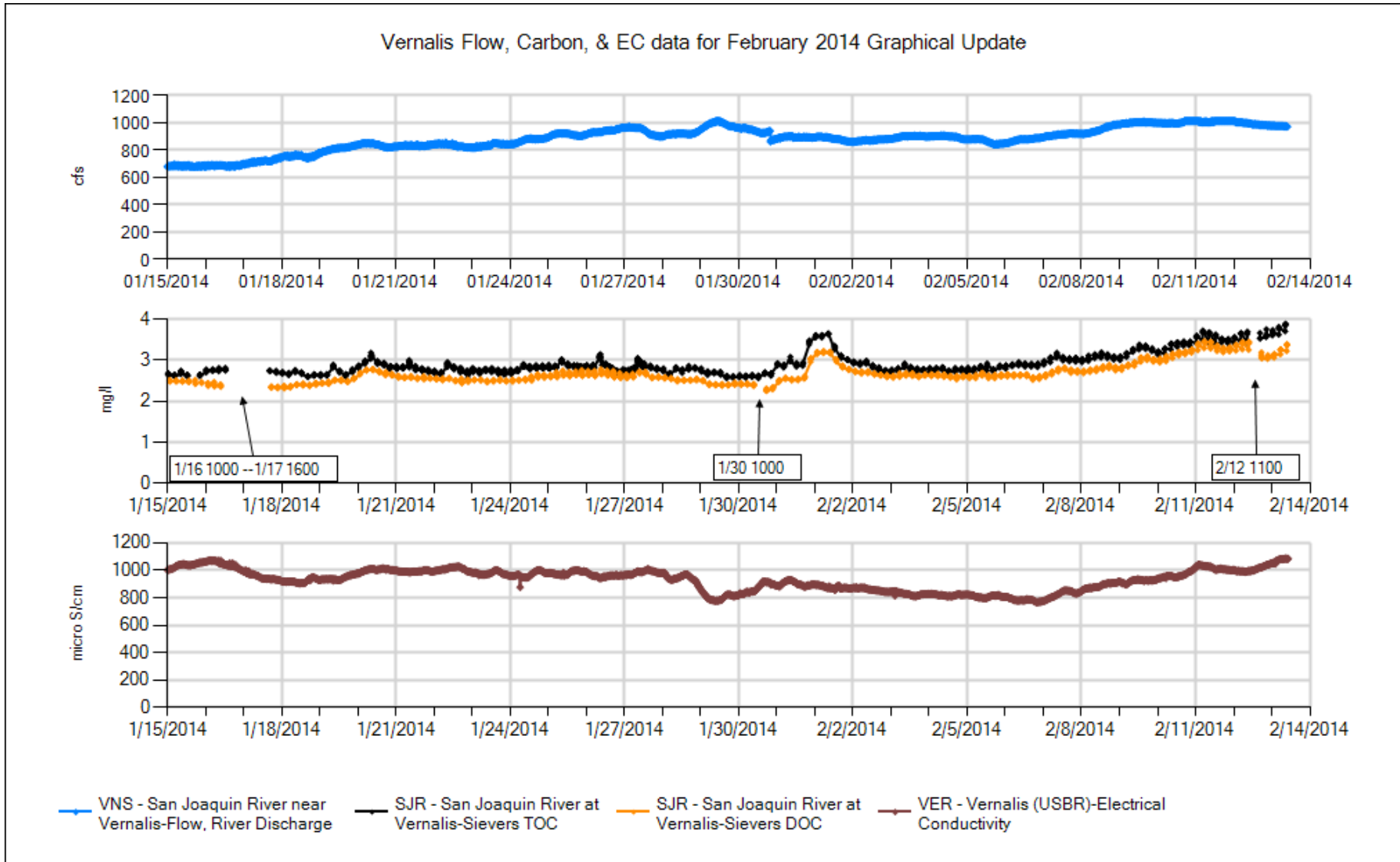
*All blue triangles denotes site visit to the station.

Jones P.P. – Chloride, Sulfate, Bromide, Nitrate



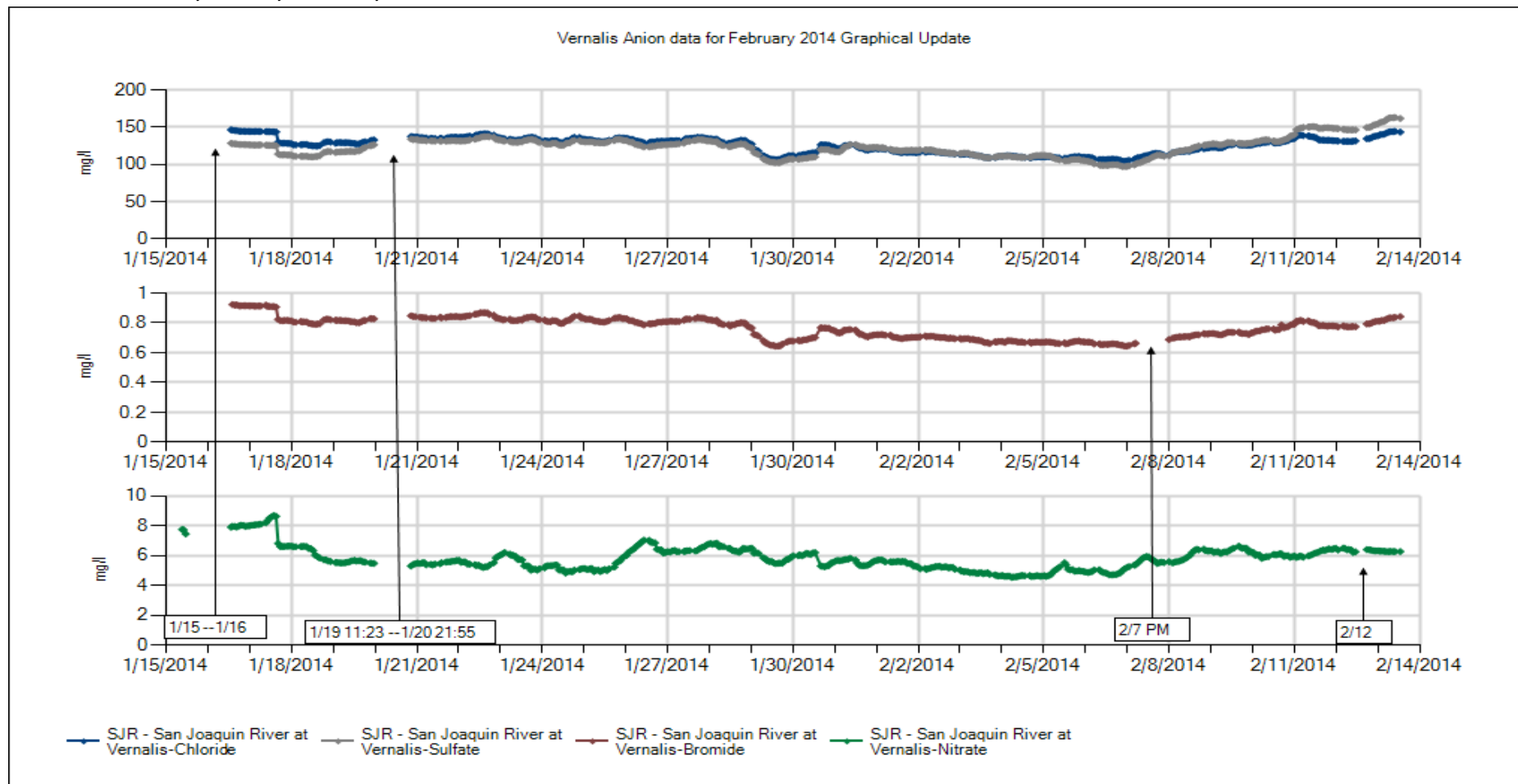
- **1/28 – 2/3** – After several power outages the Dionex data became questionable. (Whether or not this is due to the power outages, it's not certain) It was decided that the guard column and analytical column needed to be replaced. The system was set to calibrate, but stayed offline after the calibration to make sure that the instrument calibrated correctly, however this was during the weekend which is why there is such a considerable gap in data.
- **2/7 – 2/11** – There was another power outage of Friday and the Dionex shut itself off. It was down over the weekend and was restarted Tuesday morning.

Vernalis – Pumping, Organic Carbon, and EC



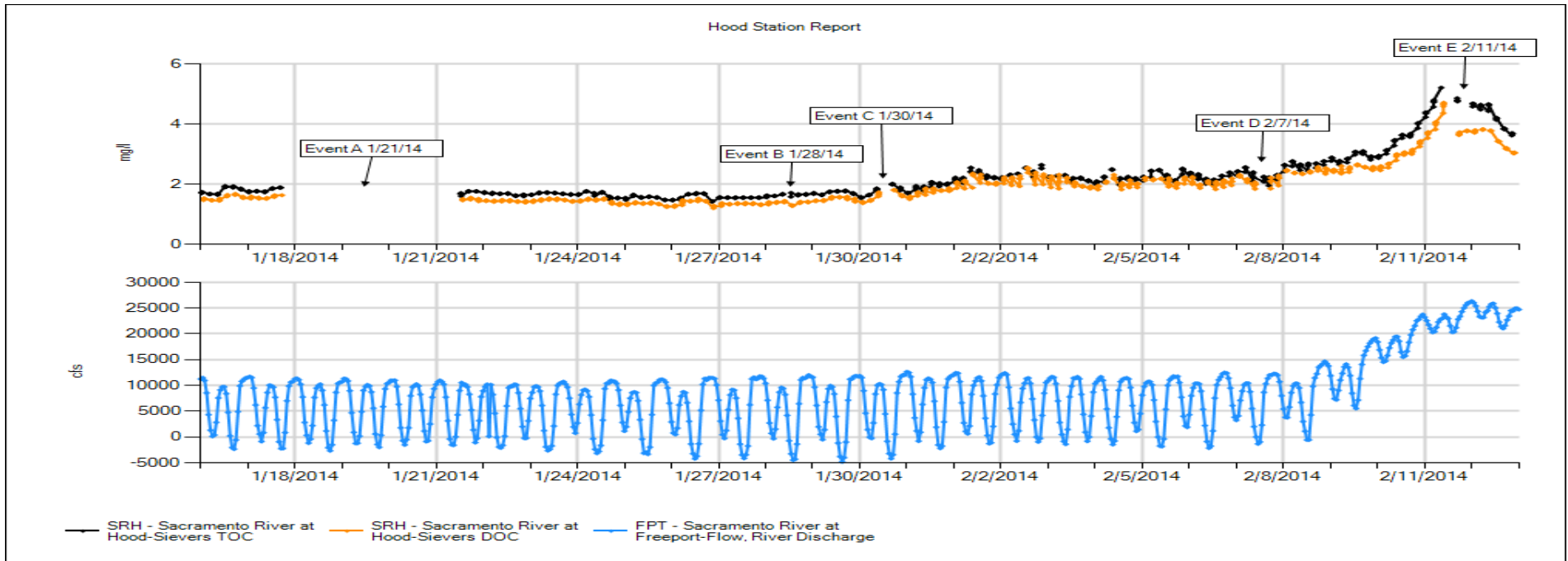
- **1/16-1/17:** Pump motor failing, not providing sufficient flow to the analyzers. Motor replaced on 1/17.
- **1/30:** All new filters, as part of the Real-Time Maintenance and Quality Control (RTMQC) procedure.
- **2/12:** Gap in the data during the RTMQC run, analyzing grab samples.
- **Filter Changes:** 1/15 – all filters, 1/22 – 10” prefilters only, 1/30 – all filters, 2/5 – all prefilters, 2/12 – all filters.

Vernalis – Chloride, Sulfate, Bromide, Nitrate



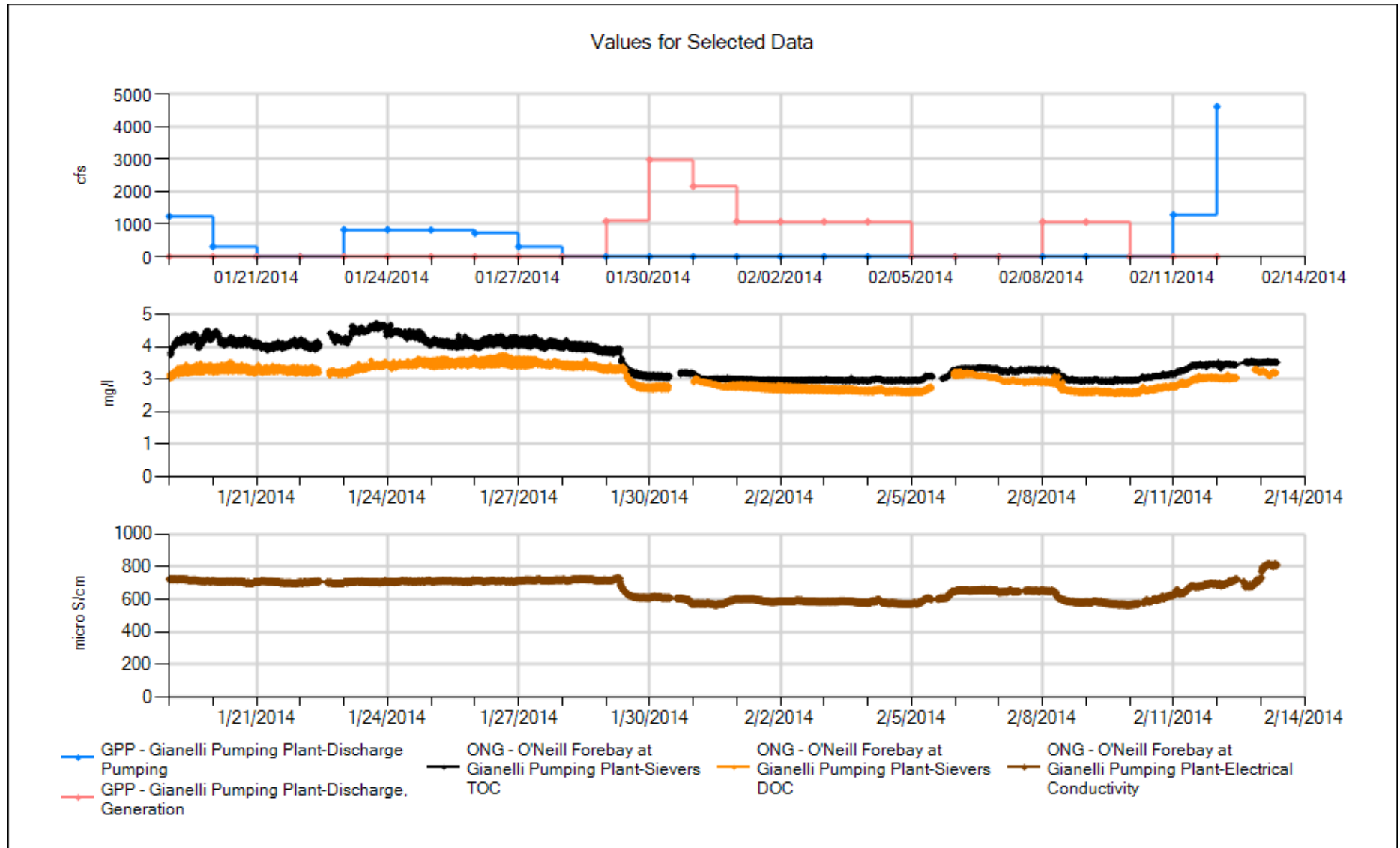
- **1/15 – 1/16 – 1/17:** Recalibration to bracket the increasing levels of chloride and bromide observed in early January. Standard 5, the highest of the calibration suite, was increased from 150 mg/L to 200 mg/L. The analyzer ran an entire sequence of sample water before having the reporting feature enabled again, and that data has been sent to the Data Management Utility, but does not show on this report. That data, along with this data shown on 1/17 was taken from sample water provided by a failing pump motor, hence the data shift on 1/17 PM when the motor was replaced.
- **1/19 – 1/20:** I can't explain the data gap in the Utility; the data is available and was resent to the Utility the day of this report, but not included in this report.
- **2/7:** Retention time shift required for Bromide and Nitrate. The data was properly relabeled and the batch report sent the day of this GU report, but only the nitrate data was picked up by the Utility at the time of this report.
- **2/12:** Data gap from the RTMQC run, instruments were analyzing grab samples and idling during the delivery system maintenance.

Hood – Organic Carbon, River Discharge, and EC

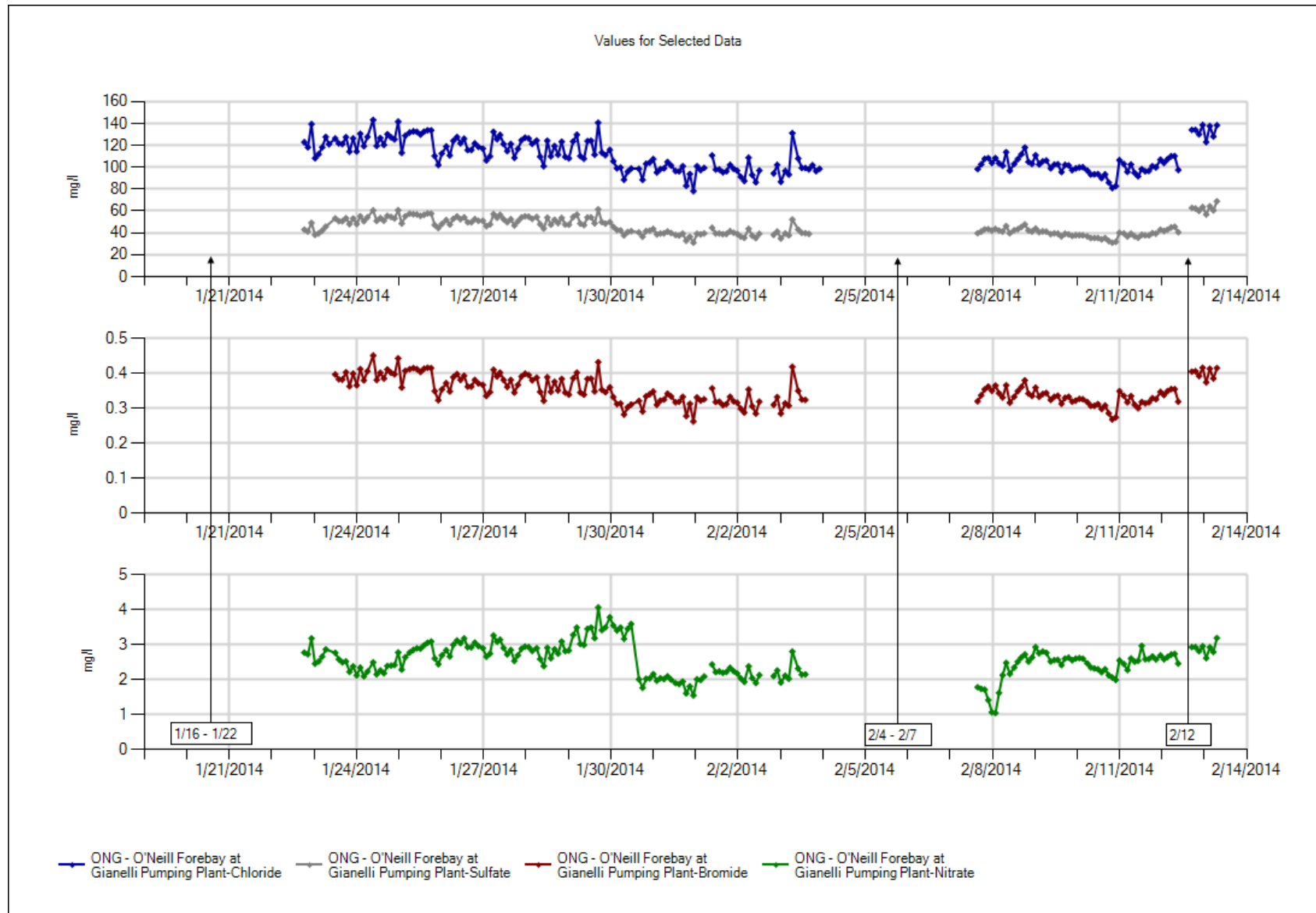


- **Event A 1/21:** Indigo was not reporting the data to the MWQI Data Utility. I need to export the data from the Sievers.
- **Event B 1/28:** RTMQC, also changed all my filters.
- **Event C 1/30:** Replaced the restrictor lines on the DI side loop.
- **Event D 2/7:** Flushed the IOS and back flushed the membranes.
- **Event E 2/11:** Changed oxidizer.

Gianelli – Pumping, Organic Carbon, EC

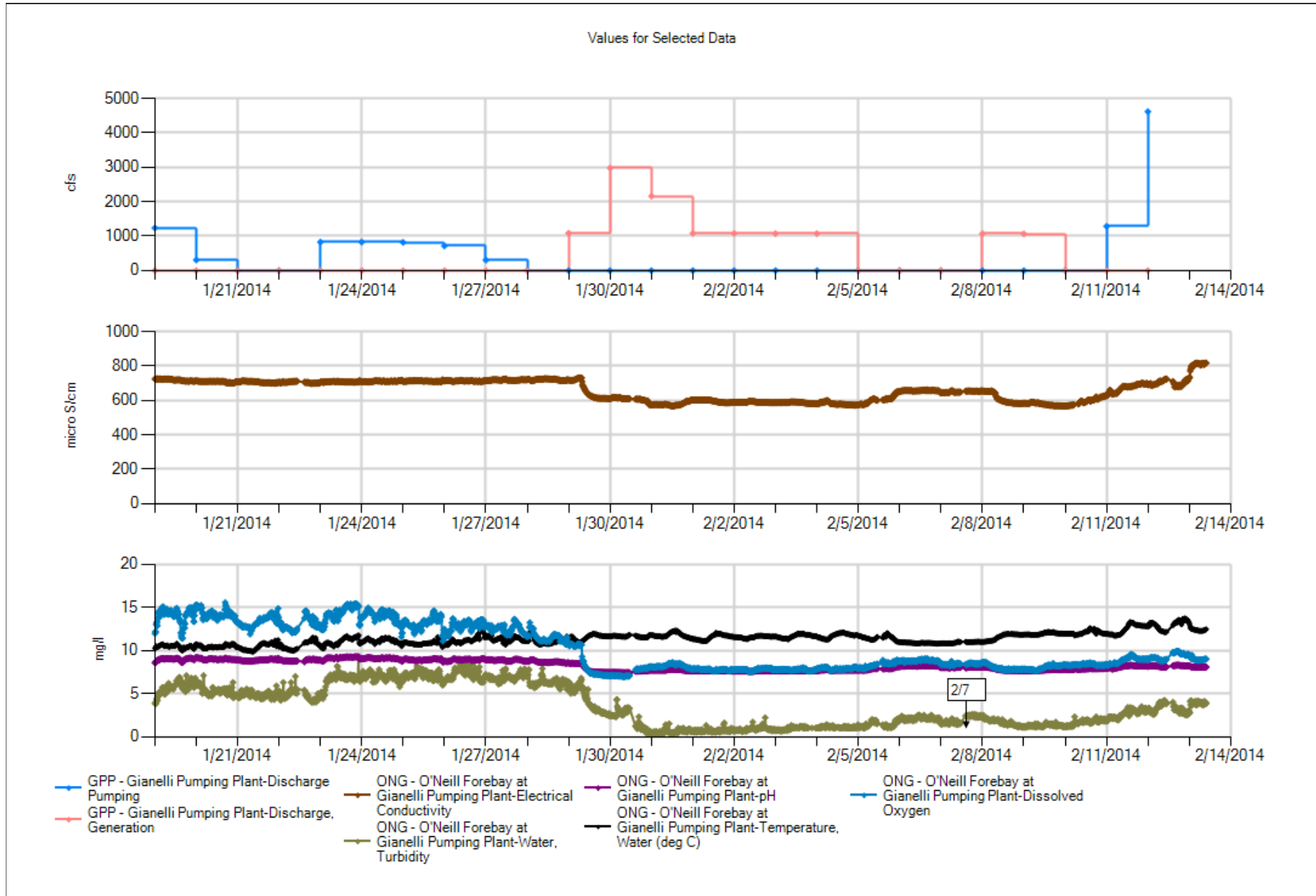


Gianelli – Chloride, Sulfate, Bromide, Nitrate



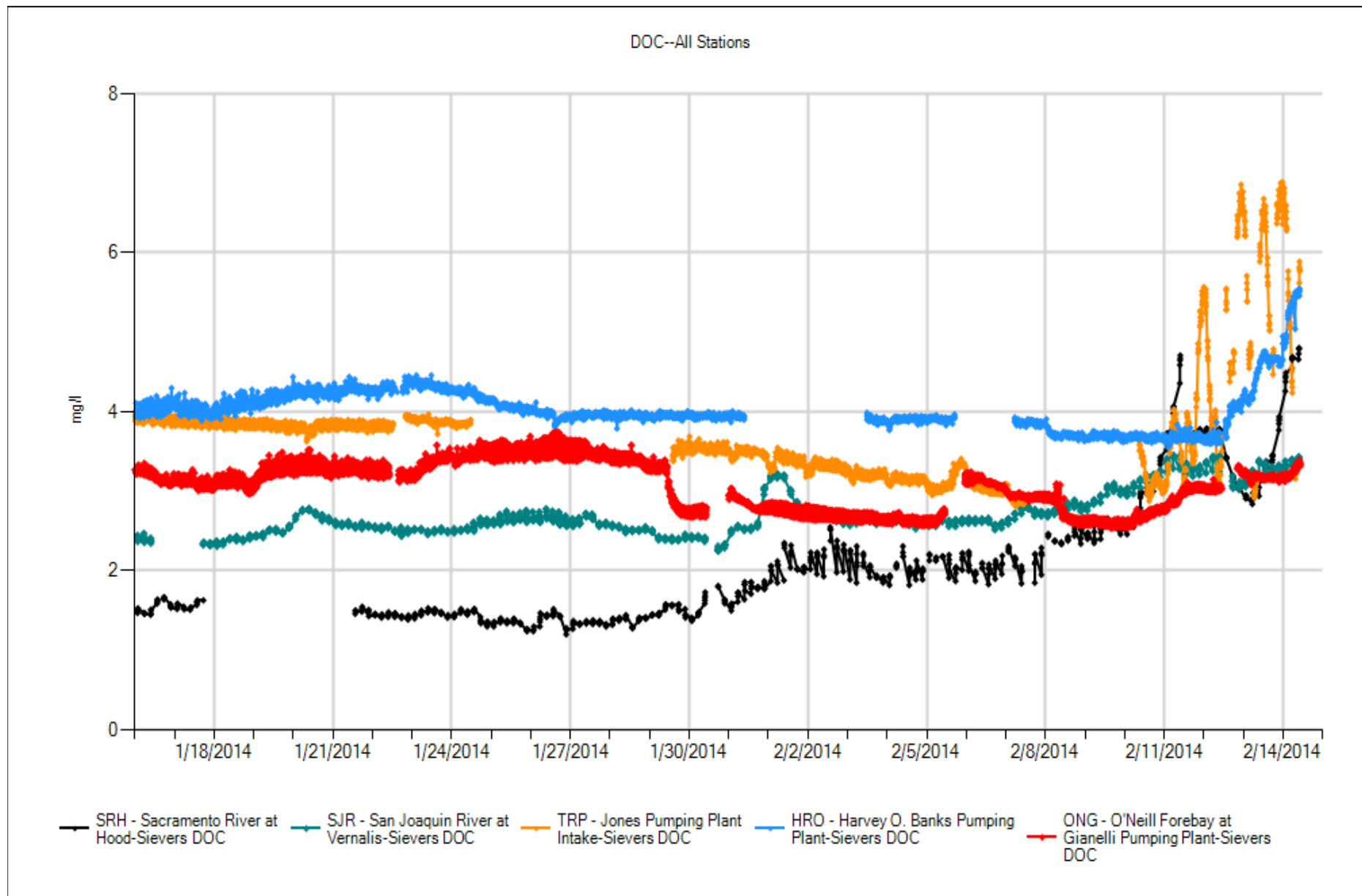
- 1/16 to 1/22 – Connection was lost with peripheral device, which shut the instrument down. After restarting, the instrument was connected to the battery backup and a powered USB hub was installed to help remedy this ongoing problem.
- 2/4 to 2/7 – The tubing in the DI reservoir floated to the top and started pulling in air, throwing off the analysis.
- 2/12 – The instrument was recalibrated with a new standard.

Gianelli – EC, Temperature, pH, DO & Turbidity

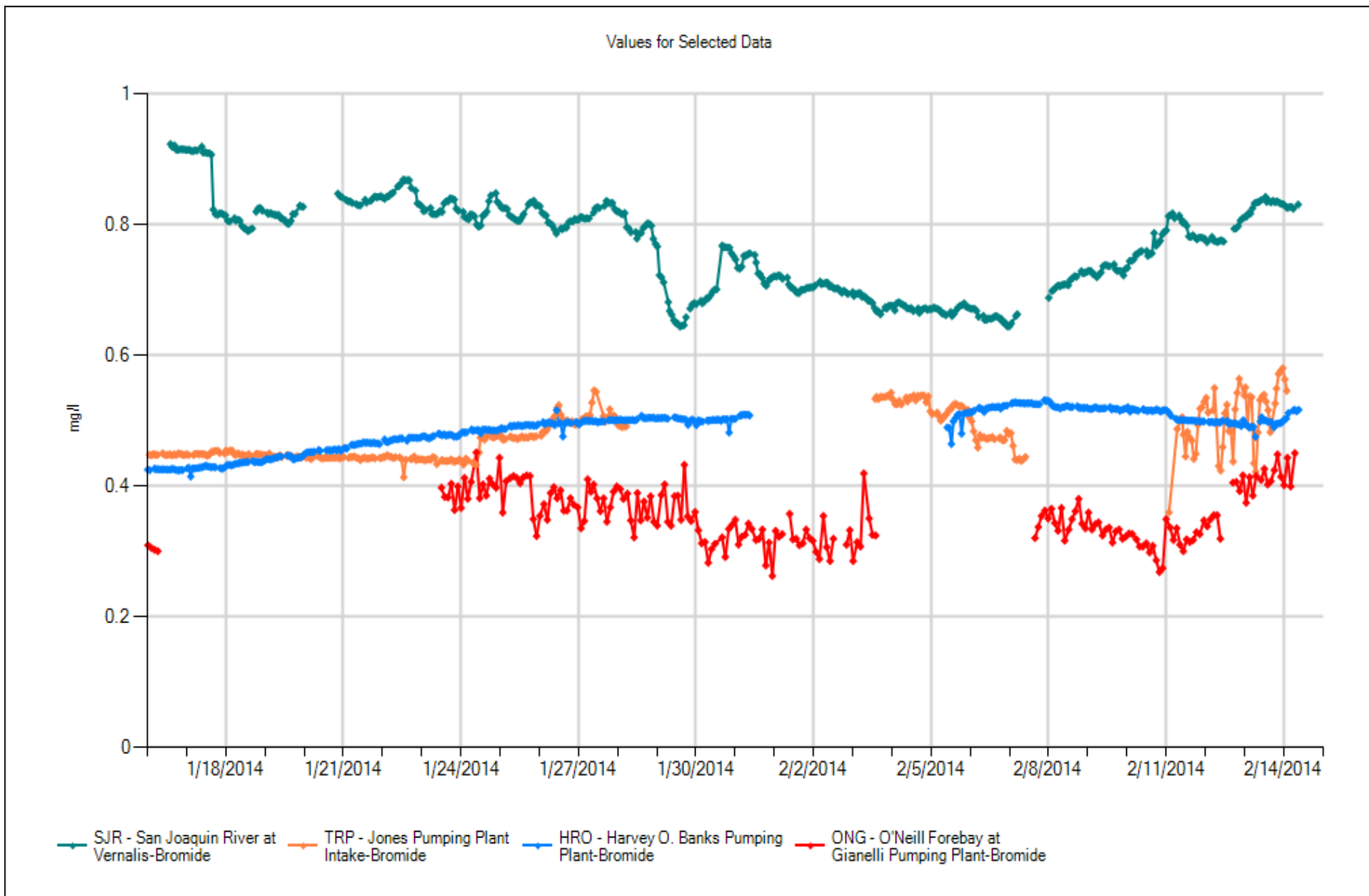


➤ 2/7 – Installed new turbidity probe

DOC at all Stations



Bromide at all Stations



Electrical Conductivity – All stations plus Clifton Court

