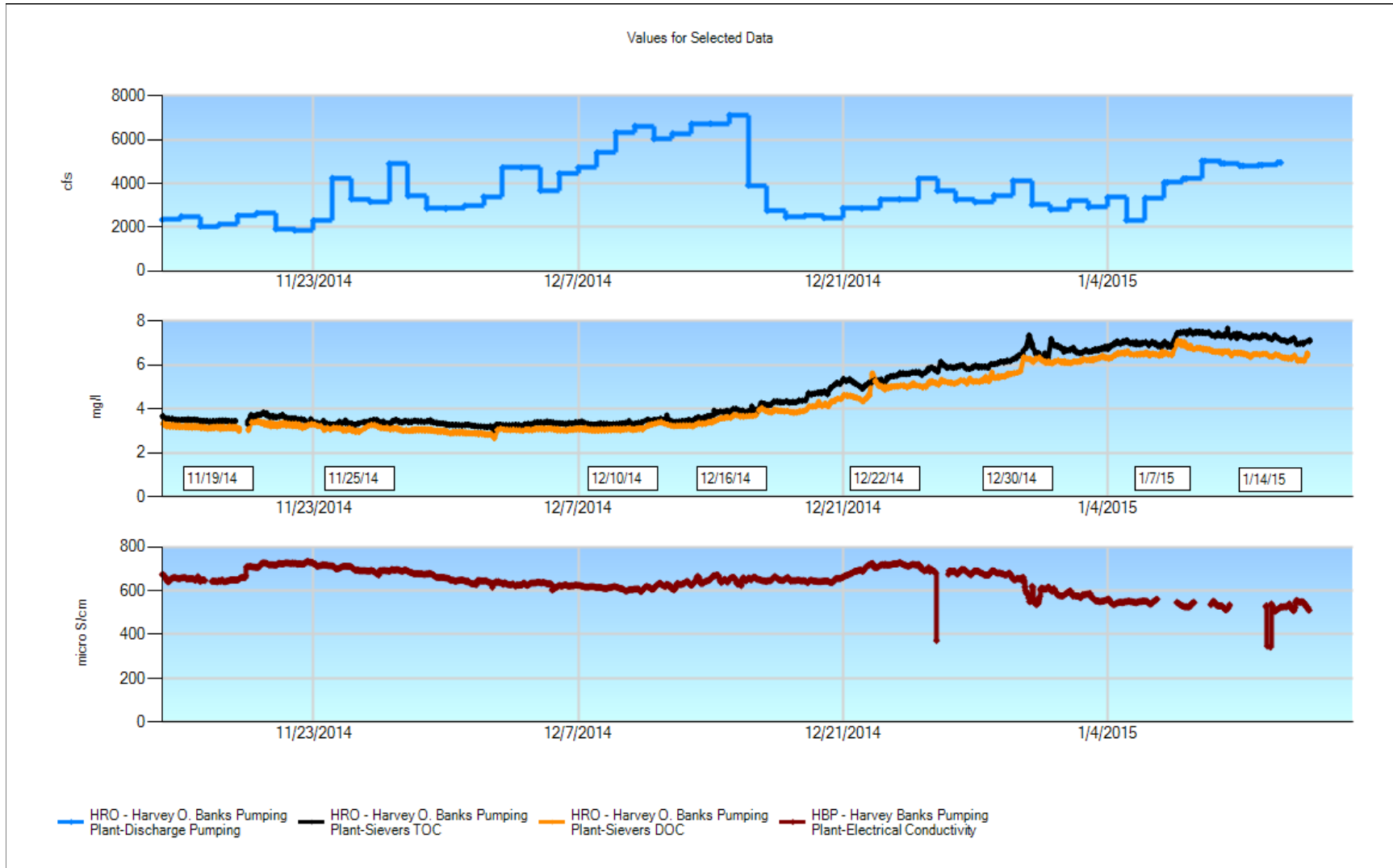
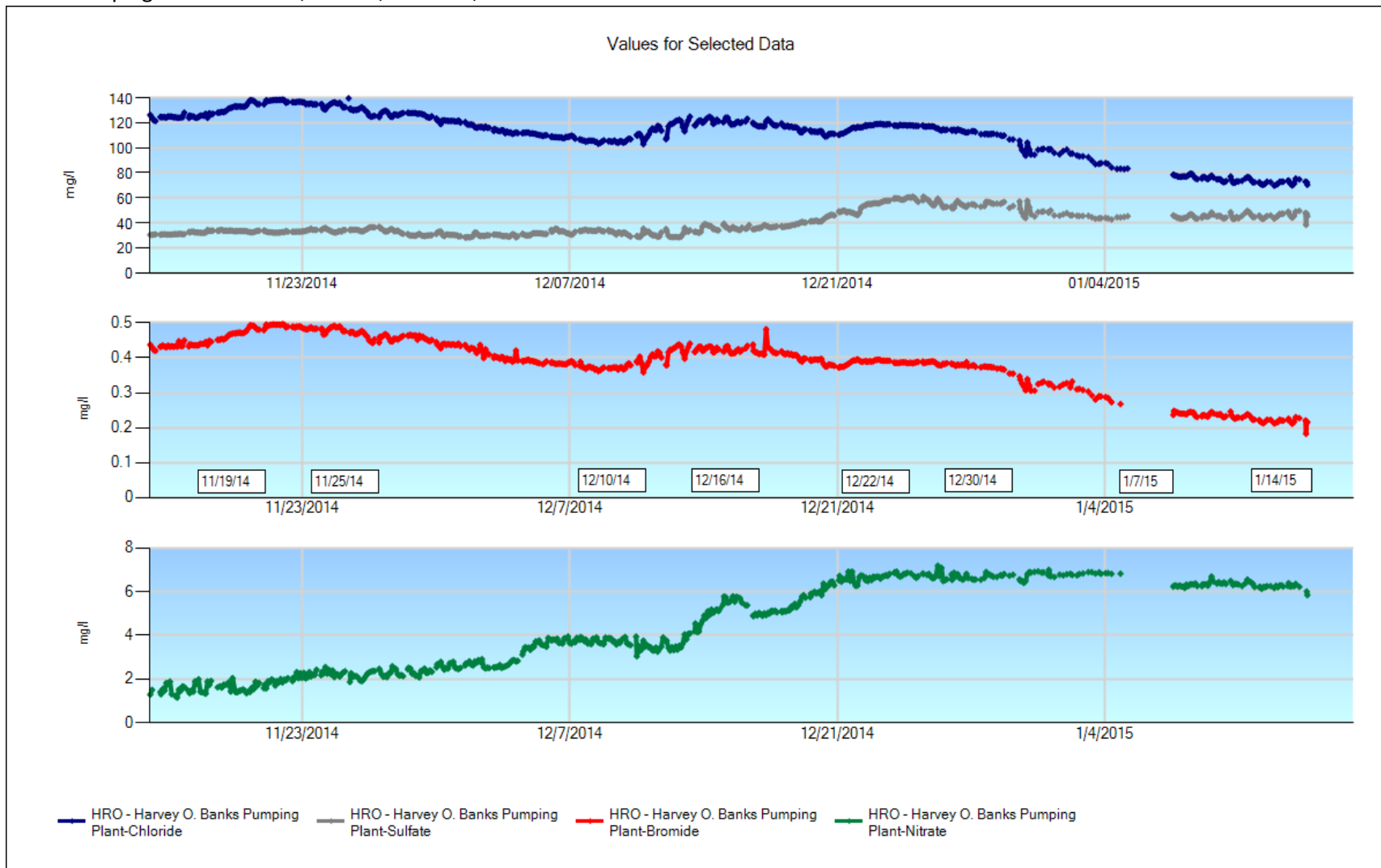


Banks Pumping Plant: Pumping – TOC, DOC - EC



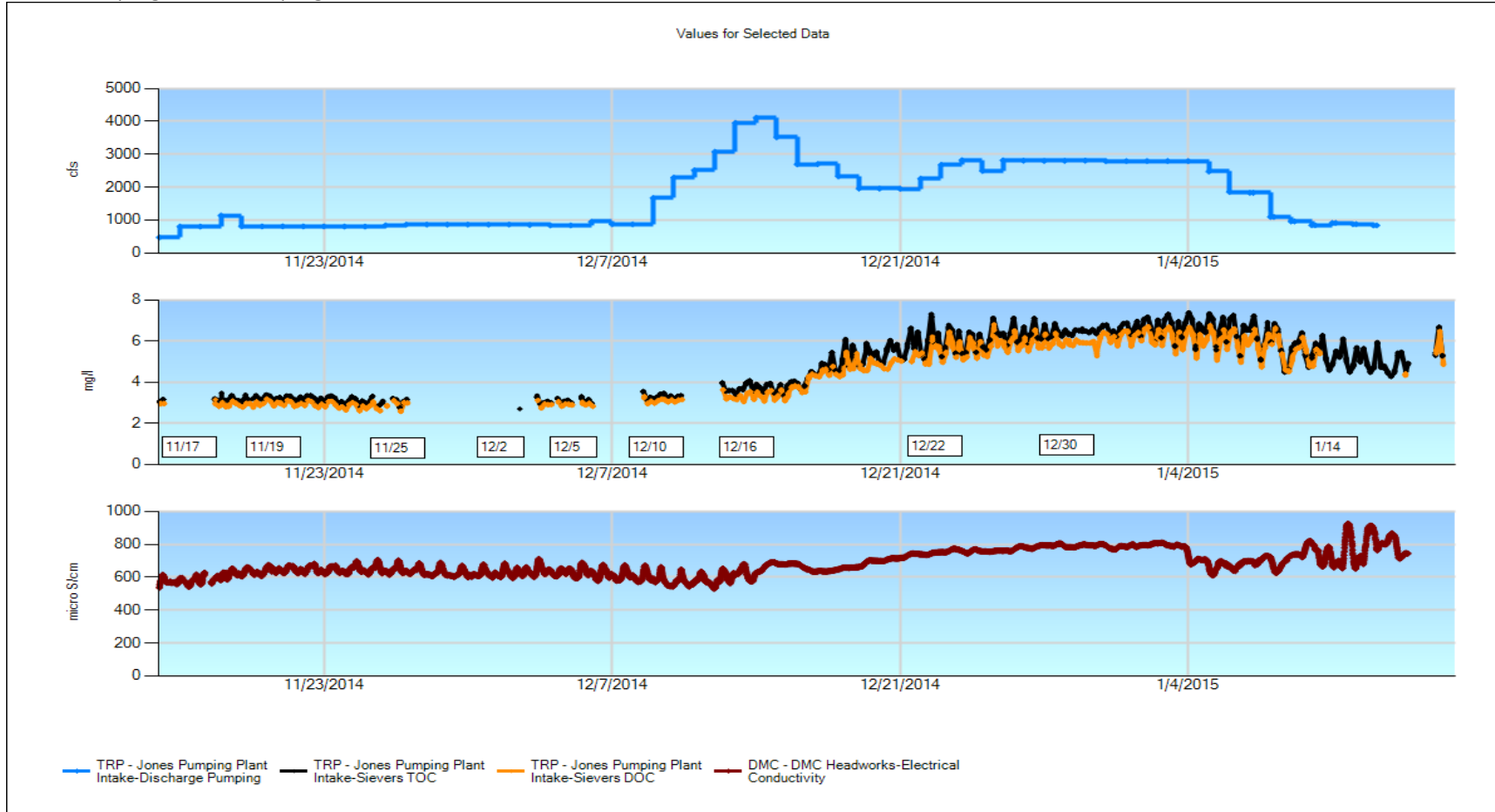
11/19: Delivery system filter change - 11/25: Delivery system filter change - QC sample analysis - 12/10: Delivery system filter change - QC sample analysis - 12/16: Delivery system filter change - 12/22: Delivery system filter change - 12/30: Delivery system filter change - 1/7: Delivery system filter change - 1/14: Delivery system filter change, 100 and 0.45 um only - QC sample analysis

Banks Pumping Plant: Chloride, Sulfate, Bromide, Nitrate



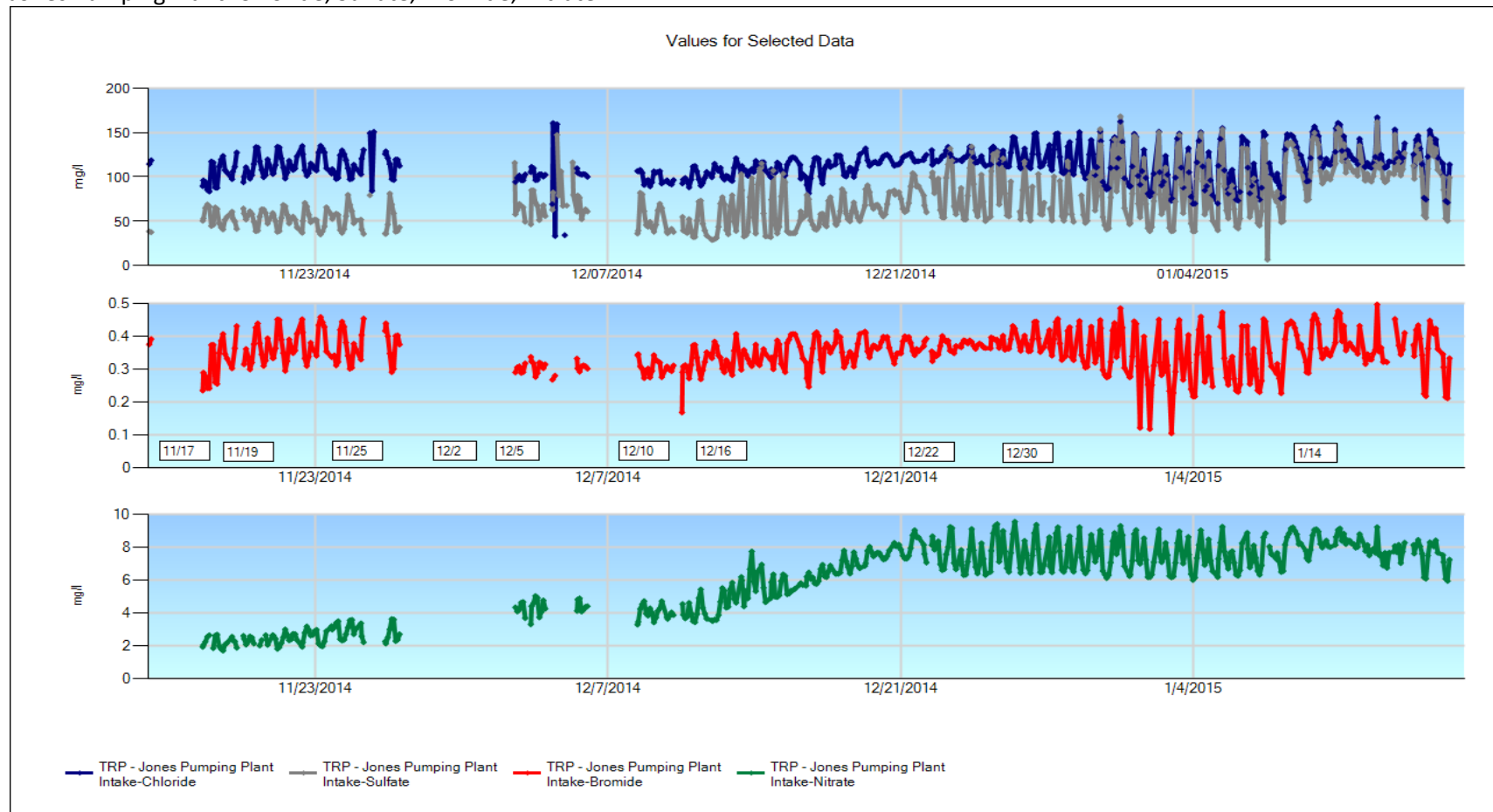
11/19: Delivery system filter change - 11/25: Delivery system filter change - QC sample analysis - 12/10: Delivery system filter change - QC sample analysis - 12/16: Delivery system filter change - 12/22: Delivery system filter change - 12/30: Delivery system filter change - 1/7: Delivery system filter change, anion analyzer flow issue resolved - 1/14: Delivery system filter change, 100 and 0.45 um only - QC sample analysis

Jones Pumping Plant: Pumping – TOC, DOC - EC



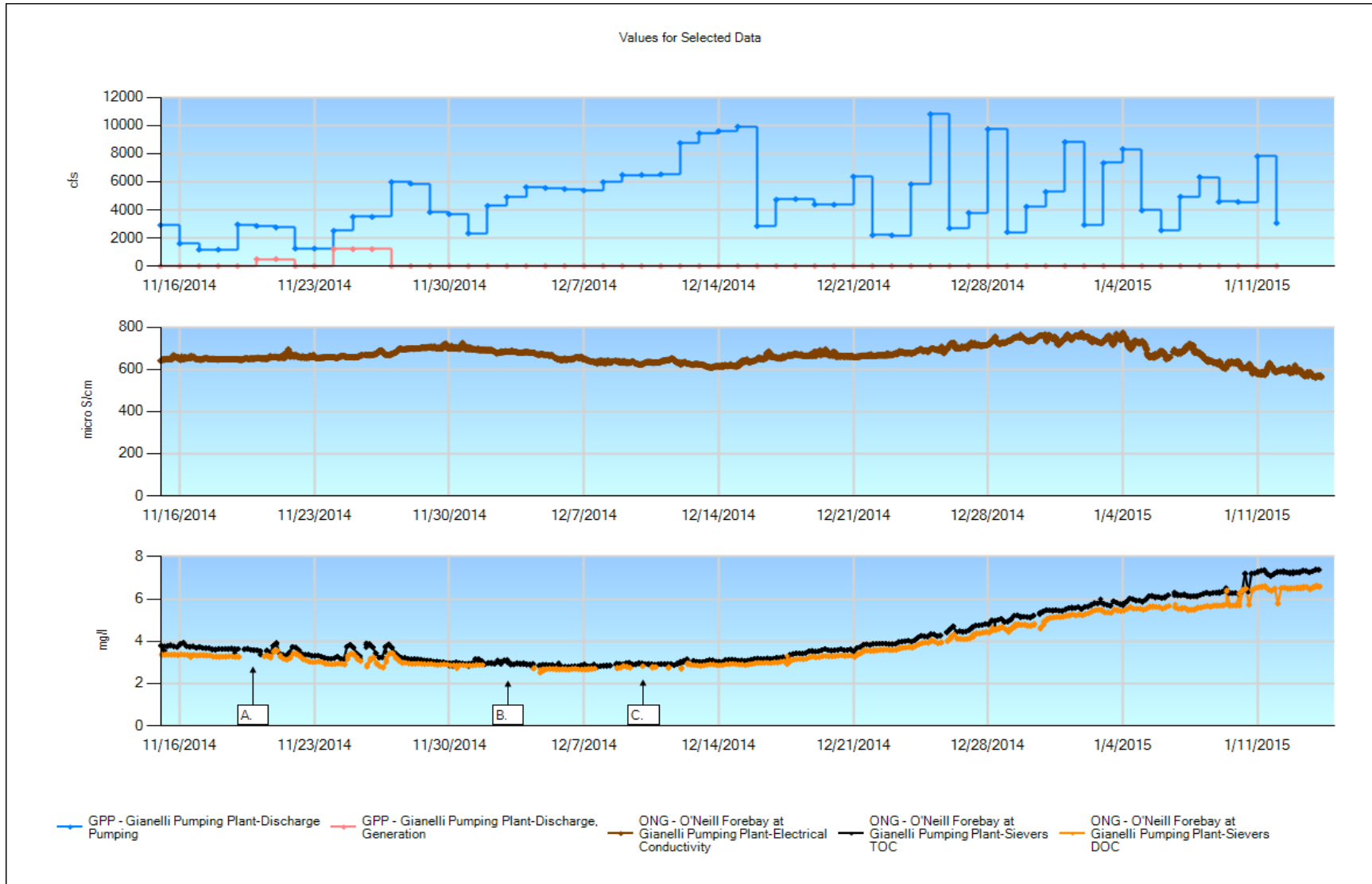
11/17: Station power outage, carbon analyzer firmware re-install and re-start – 11/19: Changed the 100 and 50 um delivery system filters, cleaned delivery system tubing and carbon analyzer sample input system – 11/25: Changed all delivery system filters, Analyzed all QC samples – 12/2: Changed all delivery system filters, instrument software was closed upon arrival – 12/5: Software shutdown again, the issue was caused by a setting on the computer which re-started it each day – 12/10: Changed the 100 and 1 um delivery system filters, cleaned delivery system tubing, analyzed QC samples – 12/16: Changed all delivery system filters except the 1 um – 12/22: Changed all delivery system filters except the 0.45 um – 12/30: Changed all delivery system filters – 1/14: Changed all delivery system filters except the 0.45 um, analyzed QC samples

Jones Pumping Plant: Chloride, Sulfate, Bromide, Nitrate



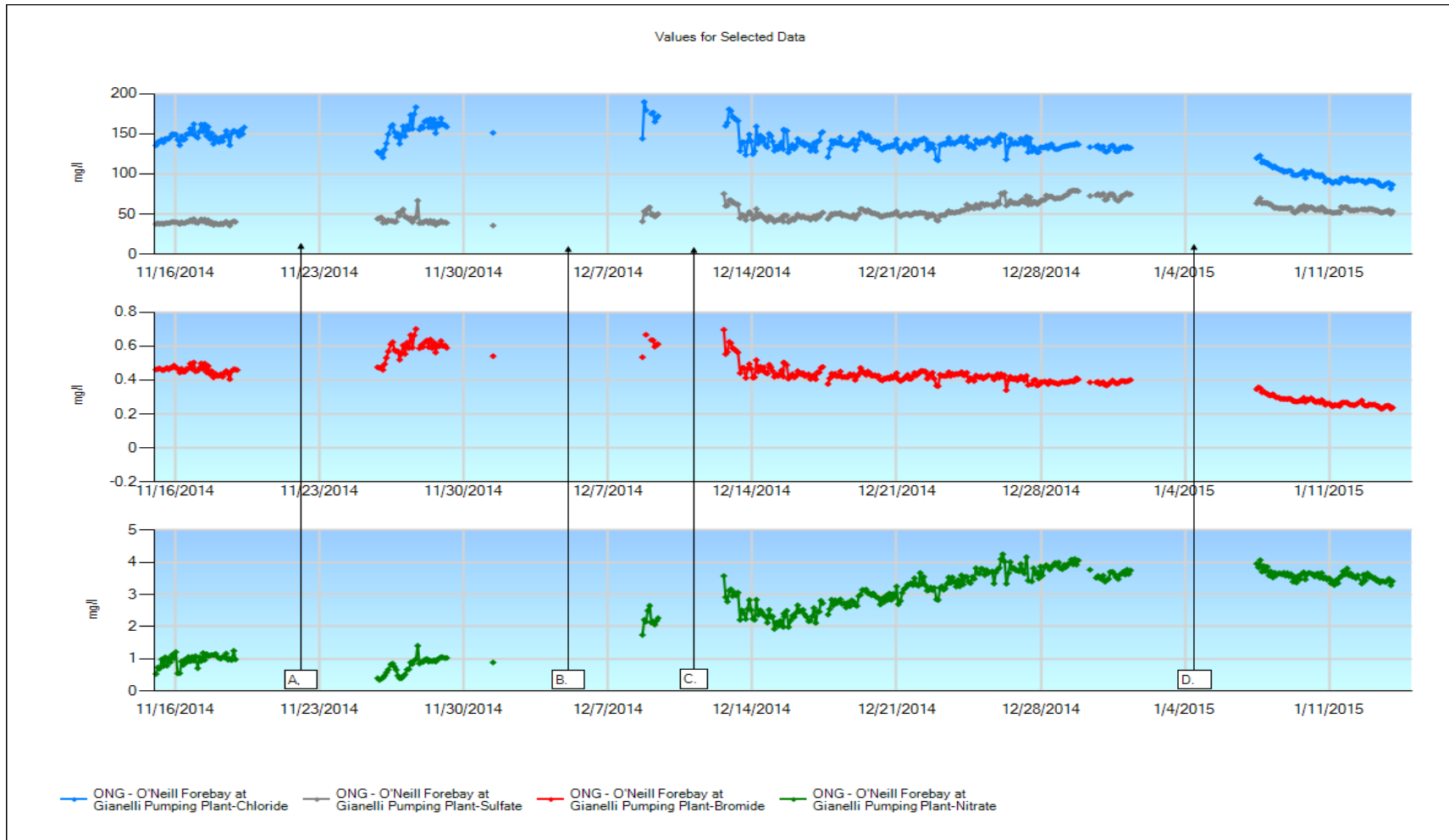
11/17: Station power outage, anion analyzer re-start – 11/19: Changed the 100 and 50 um delivery system filters, cleaned delivery system tubing – 11/25: Changed all delivery system filters, Analyzed all QC samples – 12/2: Changed all delivery system filters, instrument software was closed upon arrival – 12/5: Software shutdown again, the issue was caused by a setting on the computer which re-started it each day – 12/10: Changed the 100 and 1 um delivery system filters, cleaned delivery system tubing, analyzed QC samples – 12/16: Changed all delivery system filters except the 1 um – 12/22: Changed all delivery system filters except the 0.45 um – 12/30: Changed all delivery system filters – 1/14: Changed all delivery system filters except the 0.45 um, analyzed QC samples

Gianelli – Pumping, Organic Carbon, EC



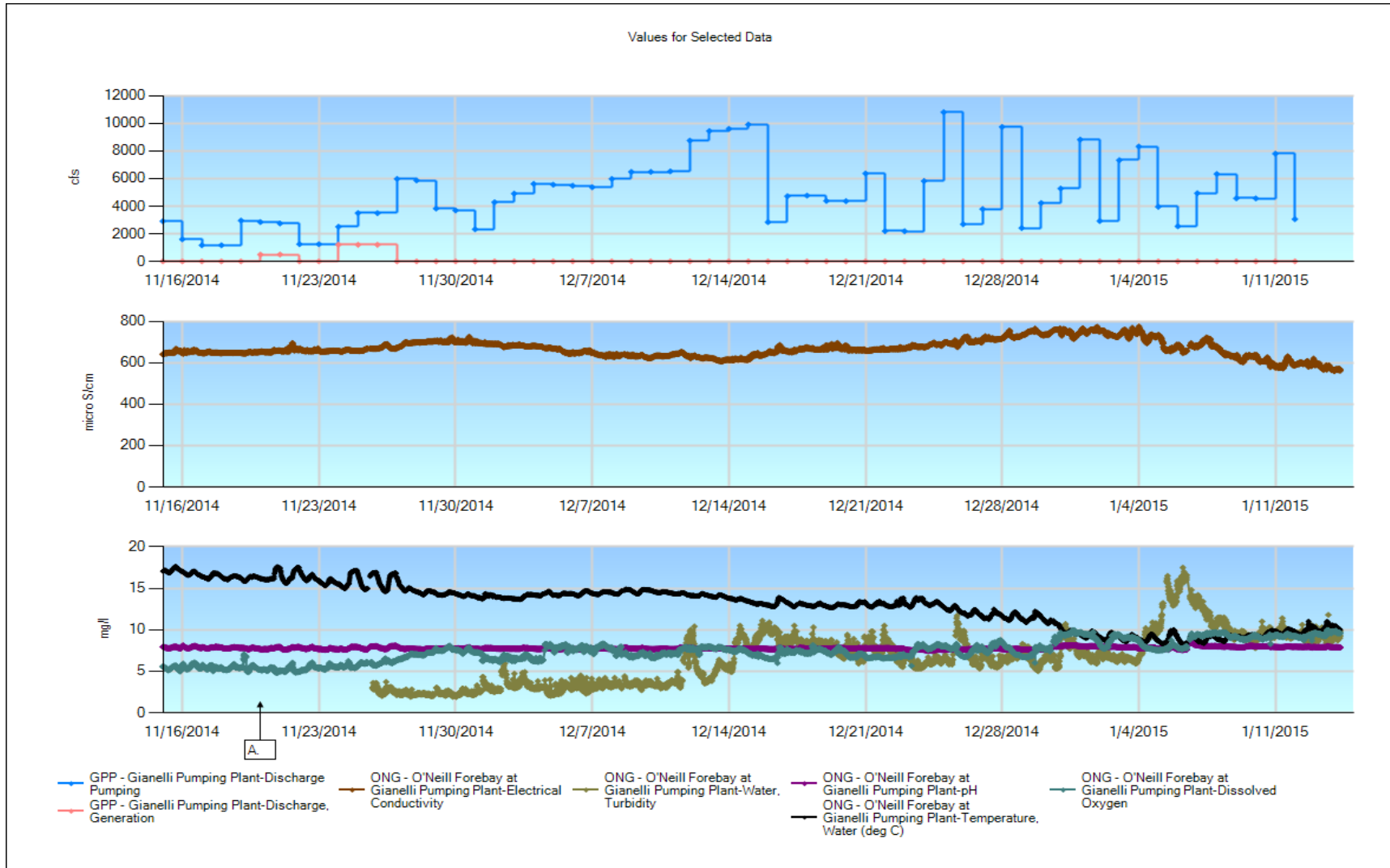
A, B, & C – DOC experienced several periods of reduced flow after the install of the new water delivery system

Gianelli – Chloride, Sulfate, Bromide, Nitrate



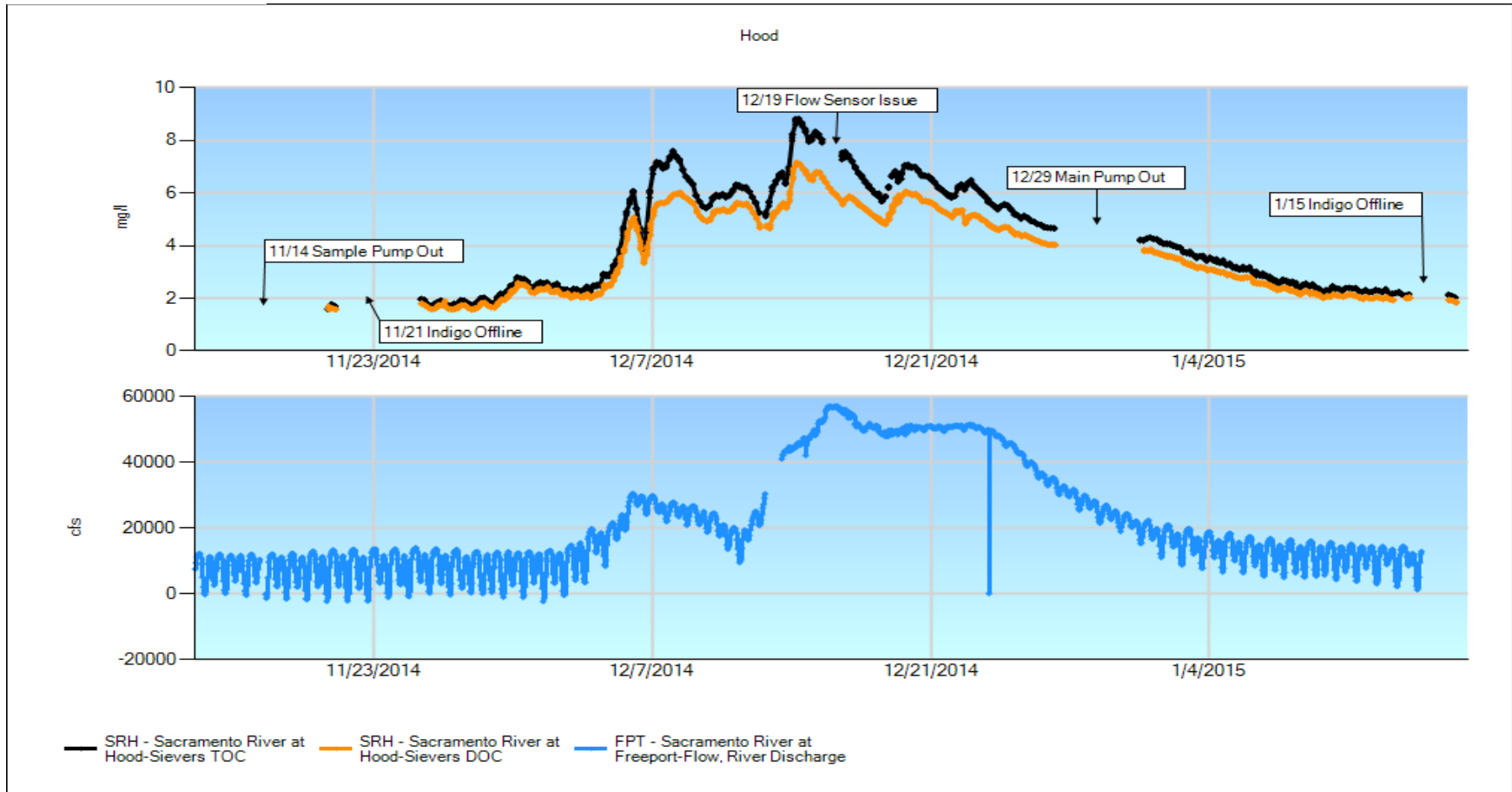
- A – Eluent ran dry.
- B – Communication errors shut the instrument down then low flow prevented the resumption of determinations.
- C – Low flow stopped determinations.
- D – Eluent dilution program malfunctioned; problem resolved itself after running a long series of blanks.

Gianelli – EC, Temperature, pH, DO & Turbidity



- A – Sediment buildup in the YSI housing caused erratic turbidity readings. This issue began after installing the new water delivery system. It took several site visits to figure out the proper flow settings.

Hood Notes



Significant Events: November 14th 2014 to January 16th 2015

- **11/14 Sample Pump Out:** The sample pump inside the Sievers stopped working; it was replaced on Nov 20th.
- **11/21 Indigo offline:** The software program that makes communication possible between the Sievers, the computer and CDEC closed itself causing the data to stop reporting online.
- **12/19 Flow Sensor issue:** The flow sensor was dirty; this caused the Sievers to think it was getting a flow of water when it wasn't.
- **12/29 Main Pump Out:** The water intake pump stopped working after a little more over a year.
- **1/15 Indigo Offline:** Indigo was closed again for unknown reasons and samples stopped reporting online. I will export the data collected on the Sievers and send it to Dennis to have him upload it.