

Groundwater Sampling

SIFU utilizes a diverse array of ground water equipment for sampling and developing many different types of water wells in accordance with the Ohio [EPA Ground Water Technical Guidance Manual](#). Two portable bladder pumps and peristaltic pumps provide the capability of low-flow sampling for wells as small as ¾ inch in diameter. Disposable tubing and bladders are used to prevent cross contamination between wells.



Bladder Pump Control Box



Peristaltic Pump



Sampling for VOC's



Multi-parameter meter with flow through cell

Mutli-parameter meters utilize flow-through cells to measure groundwater stabilization parameters such as pH, conductivity, temperature, dissolved oxygen, ORP and Turbidity. Water level information is recorded when micro-purging a monitoring well to monitor drawdown in the water column.



Turbidity Meter



Compressor for bladder pump 1

Well Development

A Waterra Hydrolift II pump is utilized to develop monitoring wells up to 4 inches in diameter. It uses mechanized pumping action along with surge block techniques to purge and/or surge the water column in order to remove suspended solids. Wells can be developed to turbidity levels of less than 10 in many formations.

