

Cartridge Filter Analyses

The following are standard CF analyses:

Microscopic Analyses

1. Stereoscopic analyses of surface foulant
2. Stereoscopic analyses of particles within the foulant
3. Compound light microscopy of surface foulant
4. Compound light microscopy of particles within the foulant

Chemical Analyses

1. Reaction to acid
2. Energy-Dispersive X-Ray (EDX) analysis of the scalant/foulant layer
3. Fourier Transform Infrared (FTIR) analysis of the scalant/foulant layer

Biological Analyses

1. Wet mount microscopic evaluation
2. Gram-Stain microscopic evaluation
3. Slime-Forming Bacteria culture
4. Iron-Related Bacteria culture
5. Sulfate Reducing Bacteria culture

Additional Analyses

If additional analyses are warranted, DHP will contact the client and obtain prior approval. Additional analyses include:

1. Polymer fouling evaluation
2. Scanning electron microscopy