

A SAMPLING OF OUR FLUID-SYSTEM EXPERTISE



Critical considerations for choosing which Sampling technology may be best for you:

If floor space is limited: GRAB SAMPLING

WHY?

Online analyzers require housing, generally taking up significant real estate, with ambient environmental conditions tightly controlled.



If budget is limited: GRAB SAMPLING

WHY?

Online analyzers require a substantial investment to build shelters and sophisticated sampling systems to prepare samples for analysis.



Hazardous materials are involved; human exposure must be limited: ONLINE ANALYZERS

WHY?

Grab sampling requires operators manually collecting media in bottles or cylinders.



If your fluid system is large and requires numerous sampling points: GRAB SAMPLING

WHY?

Grab sampling panels can be easily installed directly onto the process line wherever samples must be taken. No tube or piping routing to the analyzer required.



If sample purity is a major priority: EITHER

WHY?

However, contamination could occur in either method; it's imperative that your system is safely and properly designed and a rigid maintenance schedule is administered and followed.



If time delay must be minimized: ONLINE ANALYZERS

WHY?

Online analyzers can analyze samples in real time...often within a minute – crucial when system media could quickly change phase or be otherwise compromised.



If process rate of change is exceptionally slow: GRAB SAMPLING

WHY?

If a lengthy amount of time between process draw and lab analysis is acceptable/common, due to a slow rate of change of conditions at your facility, grab sampling is far more cost-effective.



If maintaining sample temperature is a high priority: ONLINE ANALYZERS

WHY?

Simply, no method exists to maintain sample temperature inside cylinders. But, tubing involved with an online analyzer can be heat-traced to regulate temperature.



If field atmospheric conditions vary:
GRAB SAMPLING

WHY?

Grab sampling enables samples to be conveniently tested in a highly regulated and controlled lab environment.



If your sample has a heavy particulate load:
GRAB SAMPLING

WHY?

Online analyzers require filtration to ensure accuracy and eliminate clogs. If your process is particularly dirty, that's a special challenge.



Put our team alongside yours

For complete details on all Swagelok Sampling System Solutions, contact:

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