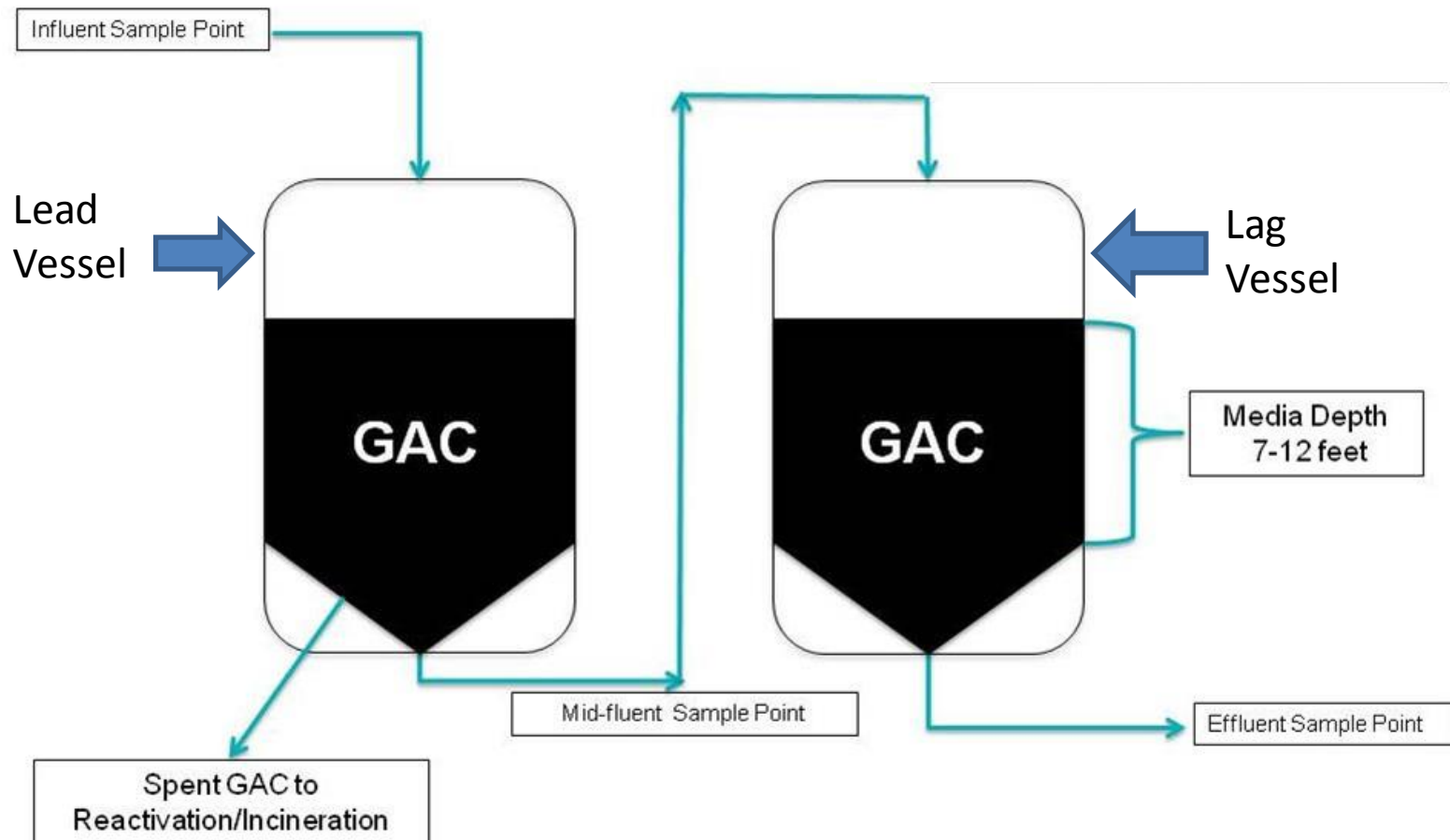


Typical Horsham GAC Filter Flow

PFAS sampling is performed every 2 weeks at Influent, Mid-Point, and Effluent



PFAS Sampling Summary

- Every 2 weeks at Influent, Mid-Point and Effluent using EPA Method 537
- The method currently detects 14 PFAS analytes
- In Horsham raw waters, only 7 PFAS compounds are detected:

Long-chained:

- Perfluorooctanoic acid (PFOA)
- Perfluorooctanesulfonic acid (PFOS)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluorononanoic acid (PFNA)

Short-chained:

- Perfluorobutanesulfonic acid (PFBS)
- Perfluorohexanoic acid (PFHxA)
- Perfluoroheptanoic acid (PFHpA)
- PFOS/PFOA are typically 50-60% of the detected PFAS; the 4 Long-chain PFAS compounds are typically 70-90% of the detected PFAS
- The short-chained PFHxA typically breaks through at the mid-point first, followed by one or more of PFOA, PFOS, PFHxS or PFBS in 2 to 3 sampling events when then a carbon change out is scheduled. Effluent levels are always non-detect for all PFAS.