

# PS ANALYTICAL

Sue McQuirt  
City Of Columbus

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Sue:

Thank you for your interest in upgrading to the new PSA Millennium. As discussed, PS Analytical is the manufacturer and sole source for the Millennium Hg analyzer system. Please find below some of the unique features of our system that separate us from other vendors in the field. Please review this information and let us know if you have any questions whatsoever. We look forward to continued work with you and your colleagues.

All of the following features make Millennium Merlin a unique system and sets it apart from other Hg analyzers on the market.

- -Millennium Merlin has the unique ability to run both AFS and AAS on one system. This provides the end user with the ability to run EPA Methods 245.1, 245.2, 245.7, 1631, & etc all on 1 system.
- -Millennium Merlin can be uniquely coupled to a HPLC and perform speciation using a specially designed speciation kit add-on.
- -Millennium Merlin can be uniquely converted to analyzer for As, Se, Sb, Te, & Bi again with the simple replacement of the optics and specially designed liquid/gas separator.
- -20.400 XYZ autosampler offered by PSA uniquely provides the smallest foot print available at the width of 29 cm. (Compared for example to a Cetac autosampler at the width of 52 cm).
- -Millennium Merlin can be easily and uniquely configured to analyze for Hg in gaseous samples such as ambient air or natural gas with the addition of the PSA M035S100 Scarifier add-on.
- -Millennium Merlin uniquely utilizes a sample flow path of Argon rather than a quartz cell in its Millennium Merlin Hg analyzer AFS detector. This inherently optimizes sensitivity and minimizes any chance of contamination in the measuring chamber.
- -Millennium Merlin interfaces directly to your existing PSA 20.400 autosampler.

Sincerely,

Jim Coates  
PS Analytical Inc.



## PS ANALYTICAL

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