

DOCUMENT

SOP

502

Autosampler not
connected to
FIMS or

communication cable
connection loose.

Make sure that the cables
are correctly connected.

Wrong interface or
parameter-settings in the
HARDWARE.INI file.

Select the correct interface.

No gas flow

Gas supply turned off or
empty.
Pressure regulator setting
too low.
Automatic gas shutdown
active.

Turn on gas supply and set
the correct pressure.
Set the correct pressure.

Pump heads
stop rotating

Pressure on the pump tube
magazines is too high.

Open the FIAS Control
window and click on **Valve
Fill/Inject**.
Reduce the pressure with
the pressure adjustment
screws.

12.0 WASTE DISPOSAL

All waste disposal procedures will follow the Water Quality Laboratory Chemical Hygiene Policy and Procedure Manual (sections 3.11.0 and 1.0.0). The following applies for sample disposal procedures:

- A) Discard all remaining analyzed samples in an acid sink.
- B) All mercury containers will be rinsed with tap water and disposed of in trash.

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13.0 TRAINING

13.1 When analysts are first introduced to this procedure, a current copy of the SOP for this instrument will be provided to the analyst. Prior to performing this procedure the analyst will study this SOP in detail to assure complete acquaintance with this procedure and be tested before starting any independent analyses.

13.2 For training program see Attachment 13.1 and WQL SOP QA-014.

14.0 REFERENCE MANUALS

- 14.1** Perkin Elmer Flow Injection Mercury System (FIMS) Setting Up and Performing Analyses.
- 14.2** Perkin Elmer Flow Injection Mercury System (FIMS) Installation, Maintenance System Description.
- 14.3** Perkin Elmer Flow Injection Mercury/Hydride Analyses Recommended Analytical Conditions and General Information.
- 14.4** Perkin Elmer Flow Injection Mercury System (FIMS) Software Guide.
- 14.5** Perkin Elmer AS-90 Autosampler for Atomic Spectroscopy Installation, Maintenance and System Description.
- 14.6** City of Albuquerque Water Quality Laboratory Policy and Procedure Manual
- 14.7** City of Albuquerque Water Quality Laboratory Chemical Hygiene Policy

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