

## **Moisture Measurement Best Practices Review**

## **Recommendations for trace (ppb) Moisture Measurement**

- a. Use a regulator specified for ultra-high purity gas applications.
- b. Use 3 and/or 4-way valves specified for UHP applications to flow dry purge gas to the sample line.
- c. Use electropolished stainless steel gas lines throughout  $(1/8" \text{ or } \frac{1}{4}" \text{ are both OK})$ .
  - i. Teflon permeates ambient moisture and should never be used.
  - ii. Tubing with internal physical "features" (e.g. flexible "bellows" tubing) will trap moisture molecules and should never be used.
- d. Use VCR connections throughout.
- e. Use new VCR gaskets each time a connection is made; do not expose the gaskets or caps to dust.

