



## Proficiency Testing Program Instructions

### Lead (Pb) in Gasoline Analysis by XRF

**Intended Use:** This PTP sample is intended for the determination of total lead (Pb) content of gasoline in the range of 0.0105 to 6.0 g Pb/US gal by XRF in accordance with ASTM D 5059 or equivalent. You must have appropriate facilities and instrumentation to handle, store, and analyze this PTP sample in order to meet the eligibility requirements of the program. Please follow the instructions below.

**Storage and Handling:** This PTP sample is a petroleum-based material. It should be kept tightly capped and stored under normal laboratory conditions. This PTP sample is flammable so it should be stored away from heat or flame. Do not freeze or expose this PTP sample to direct sunlight. Minimize exposure of this PTP sample to moisture or high humidity. This PTP sample may be harmful if swallowed or inhaled and may cause irritation. Do not get in eyes, on skin or on clothing. Do not breathe vapor. Use with adequate ventilation. Wash thoroughly after handling.

**Analysis:** Prepare this PTP sample and analyze it in accordance with ASTM D 5059. It should be analyzed under normal laboratory conditions.

**Reporting Results:** To report your results, log in to [www.vhglabs.com](http://www.vhglabs.com) and click on the PTP Program tab. Log in, enter Sample ID, enter/verify company address, and enter your results. You must enter your lab's analytical results, including the expanded uncertainties (95% coverage) using the same units, in the appropriate boxes on the VHGL website. Additional information for the determination of your method uncertainty may be obtained by clicking on the links provided on our website. You also must confirm that you meet the eligibility requirements and you must certify that you generated the analytical data on your own without collusion with any other participant. You should analyze the PTP sample and report your results within 3 months of receipt (samples have a 3 month expiration date).

**Confidentiality:** All information supplied by you shall be known only to persons involved in the operation of the PTP program at VHGL Labs and shall be treated as confidential.

If you have any questions or comments, please contact our PTP Coordinator at [ptp@vhglabs.com](mailto:ptp@vhglabs.com) or 1-888-622-7660 (US) or +1 (603) 622-7660 (International).