

PROFICIENCY RESULTS REVIEW

Lab: Core Spec Inv HDIP Tox
 Proficiency Sample Name: _____
 Cycle _____ Sample _____

Date of Analysis: _____
 Sample ID No: _____
 Lab Acqn No: _____

| Analyte | 1-2 Specimens/Analyte Rule Violated | 3-5 Specimens/Analyte Rule Violated | Mean (SDI's) | Investigation Sources of test errors | Comments & Corrective Action | Senior Staff Comments |
|---------|---|--|--------------|---|------------------------------|-----------------------|
| | <input type="checkbox"/> 1 > 2.5 SDI <input type="checkbox"/> X > 1.5 SDI <input type="checkbox"/> 2 consecutive >2 SDI | <input type="checkbox"/> Screening rule: 2/5 > ± 1.0 SD Systematic error: <input type="checkbox"/> Mean > 1.5 SDI Random error: <input type="checkbox"/> 1-3SDI <input type="checkbox"/> R-4SDI | | <input type="checkbox"/> Calibration drift <input type="checkbox"/> Method bias <input type="checkbox"/> Reporting range error <input type="checkbox"/> Instability <input type="checkbox"/> Random event <input type="checkbox"/> Other | | |
| | <input type="checkbox"/> 1 > 2.5 SDI <input type="checkbox"/> X > 1.5 SDI <input type="checkbox"/> 2 consecutive >2 SDI | <input type="checkbox"/> Screening rule: 2/5 > ± 1.0 SD Systematic error: <input type="checkbox"/> Mean > 1.5 SDI Random error: <input type="checkbox"/> 1-3SDI <input type="checkbox"/> R-4SDI | | <input type="checkbox"/> Calibration drift <input type="checkbox"/> Method bias <input type="checkbox"/> Reporting range error <input type="checkbox"/> Instability <input type="checkbox"/> Random event <input type="checkbox"/> Other | | |
| | <input type="checkbox"/> 1 > 2.5 SDI <input type="checkbox"/> X > 1.5 SDI <input type="checkbox"/> 2 consecutive >2 SDI | <input type="checkbox"/> Screening rule: 2/5 > ± 1.0 SD Systematic error: <input type="checkbox"/> Mean > 1.5 SDI Random error: <input type="checkbox"/> 1-3SDI <input type="checkbox"/> R-4SDI | | <input type="checkbox"/> Calibration drift <input type="checkbox"/> Method bias <input type="checkbox"/> Reporting range error <input type="checkbox"/> Instability <input type="checkbox"/> Random event <input type="checkbox"/> Other | | |
| | <input type="checkbox"/> 1 > 2.5 SDI <input type="checkbox"/> X > 1.5 SDI <input type="checkbox"/> 2 consecutive >2 SDI | <input type="checkbox"/> Screening rule: 2/5 > ± 1.0 SD Systematic error: <input type="checkbox"/> Mean > 1.5 SDI Random error: <input type="checkbox"/> 1-3SDI <input type="checkbox"/> R-4SDI | | <input type="checkbox"/> Calibration drift <input type="checkbox"/> Method bias <input type="checkbox"/> Reporting range error <input type="checkbox"/> Instability <input type="checkbox"/> Random event <input type="checkbox"/> Other | | |
| | <input type="checkbox"/> 1 > 2.5 SDI <input type="checkbox"/> X > 1.5 SDI <input type="checkbox"/> 2 consecutive >2 SDI | <input type="checkbox"/> Screening rule: 2/5 > ± 1.0 SD Systematic error: <input type="checkbox"/> Mean > 1.5 SDI Random error: <input type="checkbox"/> 1-3SDI <input type="checkbox"/> R-4SDI | | <input type="checkbox"/> Calibration drift <input type="checkbox"/> Method bias <input type="checkbox"/> Reporting range error <input type="checkbox"/> Instability <input type="checkbox"/> Random event <input type="checkbox"/> Other | | |

Calibration drift: significant systematic error, recalibration resolves the error

Method bias: significant systematic error, inherent method bias identified

Reporting range error: significant analytical bias near limits of reportable range for method, non-linear

Instability: random error, a component (i.e.sample probe, cells, reagents) was not performing optimally, acceptable upon repeat

Random event: unable to replicate error or identify possible sources

Reviewed by:

| | Sign | Date | | Sign | Date |
|-----------------------|------|------|-----------------|------|------|
| Core: Tammy Hofer | | | Dr. C. Prosser | | |
| Tox: Bev Rintoul | | | Dr. D. LeGatt | | |
| HDIP: Colleen Kohlman | | | Dr. F. Bamforth | | |
| Spec Inv: Jean Der | | | | | |

Reviewed by Laboratory Director: Dr. G. Cembrowski _____ Date _____