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|  Supplemental Table 1. The list of the measurement results for target values between 3 to 5 µg/dL which failed the performance test (results outside ±2 µg/dL or 10% of target value) |
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| **Method** | **Lab** | **LOD** | **Sample ID** | **Target value** | **Result** | **Lower** | **Upper** | **Score** |
| LeadCare Ultra/Plus | L-001 | 1.9 | 1702 | 6.9 | 4.7 | 4.9 | 8.9 | 0 |
| LeadCare Ultra/Plus | L-017 | 1.9 | 1702 | 6.9 | 3 | 4.9 | 8.9 | 0 |
| LeadCare Ultra/Plus | L-045 | 1.9 | 1702 | 6.9 | 4.5 | 4.9 | 8.9 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1702 | 6.9 | 3.9 | 4.9 | 8.9 | 0 |
| ICP-MS | L-109 | 1 | 1702 | 5.1 | 3 | 3.1 | 7.1 | 0 |
| ICP-MS | L-132 | 2 | 1702 | 5.1 | 3 | 3.1 | 7.1 | 0 |
| LeadCare Ultra/Plus | L-001 | 1.9 | 1702 | 6.9 | 3.9 | 4.9 | 8.9 | 0 |
| LeadCare Ultra/Plus | L-017 | 1.9 | 1702 | 6.9 | 4 | 4.9 | 8.9 | 0 |
| GFAAS | L-019 | 1 | 1702 | 5.1 | 2.9 | 3.1 | 7.1 | 0 |
| LeadCare Ultra/Plus | L-045 | 1.9 | 1702 | 6.9 | 4.6 | 4.9 | 8.9 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1702 | 6.9 | 3.7 | 4.9 | 8.9 | 0 |
| LeadCare Ultra/Plus | L-001 | 1.9 | 1702 | 6.9 | 3.9 | 4.9 | 8.9 | 0 |
| LeadCare Ultra/Plus | L-017 | 1.9 | 1702 | 6.9 | 4 | 4.9 | 8.9 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1702 | 6.9 | 3.8 | 4.9 | 8.9 | 0 |
| LeadCare Ultra/Plus | L-001 | 1.9 | 1702 | 6.9 | 3.7 | 4.9 | 8.9 | 0 |
| LeadCare Ultra/Plus | L-017 | 1.9 | 1702 | 6.9 | 3 | 4.9 | 8.9 | 0 |
| LeadCare Ultra/Plus | L-045 | 1.9 | 1702 | 6.9 | 4.6 | 4.9 | 8.9 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1702 | 6.9 | 2.7 | 4.9 | 8.9 | 0 |
| LeadCare Ultra/Plus | L-001 | 1.9 | 1703 | 4.7 | 2.3 | 2.7 | 6.7 | 0 |
| LeadCare Ultra/Plus | L-017 | 1.9 | 1703 | 4.7 | 2 | 2.7 | 6.7 | 0 |
| LeadCare Ultra/Plus | L-045 | 1.9 | 1703 | 4.7 | 2.1 | 2.7 | 6.7 | 0 |
| LeadCare Ultra/Plus | L-001 | 1.9 | 1703 | 4.7 | 2.3 | 2.7 | 6.7 | 0 |
| LeadCare Ultra/Plus | L-017 | 1.9 | 1703 | 4.7 | 2 | 2.7 | 6.7 | 0 |
| GFAAS | L-019 | 1 | 1703 | 3 | 0 | 1 | 5 | 0 |
| LeadCare Ultra/Plus | L-045 | 1.9 | 1703 | 4.7 | 2.5 | 2.7 | 6.7 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1703 | 4.7 | 2.2 | 2.7 | 6.7 | 0 |
| LeadCare Ultra/Plus | L-001 | 1.9 | 1703 | 4.7 | 2.2 | 2.7 | 6.7 | 0 |
| LeadCare Ultra/Plus | L-045 | 1.9 | 1703 | 4.7 | 2.6 | 2.7 | 6.7 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1703 | 4.7 | 2.6 | 2.7 | 6.7 | 0 |
| LeadCare Ultra/Plus | L-001 | 1.9 | 1705 | 5.9 | 3.7 | 3.9 | 7.9 | 0 |
| ICP-MS | L-132 | 2 | 1705 | 4.4 | 2.1 | 2.4 | 6.4 | 0 |
| LeadCare Ultra/Plus | L-001 | 1.9 | 1705 | 5.9 | 3 | 3.9 | 7.9 | 0 |
| LeadCare II | L-036 | 3.3 | 1705 | 3.7 | 5.8 | 1.7 | 5.7 | 0 |
| ICP-MS | L-132 | 2 | 1705 | 4.4 | 2.1 | 2.4 | 6.4 | 0 |
| ICP-MS | L-132 | 2 | 1705 | 4.4 | 2.3 | 2.4 | 6.4 | 0 |
| LeadCare Ultra/Plus | L-019 | 1 | 1705 | 5.9 | 3.5 | 3.9 | 7.9 | 0 |
| ICP-MS | L-132 | 2 | 1705 | 4.4 | 2.2 | 2.4 | 6.4 | 0 |
| LeadCare Ultra/Plus | L-019 | 1 | 1708 | 6.4 | 3.7 | 4.4 | 8.4 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1708 | 6.4 | 4.3 | 4.4 | 8.4 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1708 | 6.4 | 3.8 | 4.4 | 8.4 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1708 | 6.4 | 4 | 4.4 | 8.4 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1708 | 6.4 | 2.9 | 4.4 | 8.4 | 0 |
| ICP-MS | L-132 | 2 | 1708 | 4.4 | 2.4 | 2.4 | 6.4 | 0 |
| LeadCare Ultra/Plus | L-019 | 1 | 1709 | 5.5 | 3.4 | 3.5 | 7.5 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1709 | 5.5 | 3 | 3.5 | 7.5 | 0 |
| LeadCare Ultra/Plus | L-019 | 1 | 1709 | 5.5 | 2.5 | 3.5 | 7.5 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1709 | 5.5 | 2.6 | 3.5 | 7.5 | 0 |
| ICP-MS | L-132 | 2 | 1709 | 3.4 | 1.2 | 1.4 | 5.4 | 0 |
| ICP-MS | L-132 | 2 | 1709 | 3.4 | 1.2 | 1.4 | 5.4 | 0 |
| LeadCare Ultra/Plus | L-134 | 1.9 | 1709 | 5.5 | 3.3 | 3.5 | 7.5 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1710 | 6 | 3.6 | 4 | 8 | 0 |
| LeadCare Ultra/Plus | L-134 | 1.9 | 1710 | 6 | 3.8 | 4 | 8 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1710 | 6 | 2.6 | 4 | 8 | 0 |
| LeadCare Ultra/Plus | L-134 | 1.9 | 1710 | 6 | 3.6 | 4 | 8 | 0 |
| LeadCare Ultra/Plus | L-001 | 1.9 | 1710 | 6 | 2.9 | 4 | 8 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1710 | 6 | 3.4 | 4 | 8 | 0 |
| LeadCare Ultra/Plus | L-134 | 1.9 | 1710 | 6 | 3.6 | 4 | 8 | 0 |
| LeadCare Ultra/Plus | L-059 | 1.9 | 1710 | 6 | 1.9 | 4 | 8 | 0 |
| LeadCare Ultra/Plus | L-134 | 1.9 | 1710 | 6 | 3.7 | 4 | 8 | 0 |
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