Environmental Measurements Laboratory

SEMI-ANNUAL REPORT OF THE DEPARTMENT OF ENERGY, OFFICE OF ENVIRONMENTAL MANAGEMENT, QUALITY ASSESSMENT PROGRAM

Colin G. Sanderson, Pamela Greenlaw and Vivian Pan
July 3, 1995
SEMI-ANNUAL REPORT OF THE DEPARTMENT OF ENERGY,
OFFICE OF ENVIRONMENTAL MANAGEMENT,
QUALITY ASSESSMENT PROGRAM

Colin G. Sanderson, Pamela Greenlaw and Vivian Pan
Environmental Measurements Laboratory
U. S. Department of Energy
New York, NY 10014-3621

July 3, 1995

DISCLAIMER

"This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof."

This report has been reproduced directly from the best available copy.

Available from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161.
ABSTRACT

This report presents the results from the analysis of the 42st set of environmental quality assessment samples (QAP XLII) that were received on or before June 1, 1995.
INTRODUCTION

This Quality Assessment Program (QAP) is designed to test the quality of the environmental measurements being reported to the Department of Energy by its contractors. Since 1976, real or synthetic environmental samples that have been prepared and thoroughly analyzed at the Environmental Measurements Laboratory (EML) have been distributed at first quarterly and then semi-annually to these contractors. Their results, which are returned to EML within 90 days, are compiled with EML's results and are reported back to the participating contractors 30 days later. A summary of the reported results is available to the participants 2 days after the reporting deadline via a modem-telephone connection to the EML computer.

This is the 46th report of this program. Preceding reports in this series are:

<table>
<thead>
<tr>
<th>Report</th>
<th>Date</th>
<th>Report</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>HASL-317</td>
<td>February 1, 1977</td>
<td>PNL-5079</td>
<td>April 1, 1984</td>
</tr>
<tr>
<td>HASL-319</td>
<td>May 2, 1977</td>
<td>EML-431</td>
<td>September 1, 1984</td>
</tr>
<tr>
<td>HASL-323</td>
<td>August 1, 1977</td>
<td>EML-432</td>
<td>November 1, 1984</td>
</tr>
<tr>
<td>HASL-331</td>
<td>November 1, 1977</td>
<td>EML-438</td>
<td>March 1, 1985</td>
</tr>
<tr>
<td>EML-336</td>
<td>January 1, 1978</td>
<td>EML-439</td>
<td>March 1, 1984</td>
</tr>
<tr>
<td>EML-337</td>
<td>February 1, 1978</td>
<td>EML-448</td>
<td>October 1, 1985</td>
</tr>
<tr>
<td>EML-340</td>
<td>May 1, 1978</td>
<td>EML-453</td>
<td>March 1, 1986</td>
</tr>
<tr>
<td>EML-343</td>
<td>August 1, 1978</td>
<td>EML-454</td>
<td>March 1, 1986</td>
</tr>
<tr>
<td>EML-346</td>
<td>November 1, 1978</td>
<td>EML-477</td>
<td>October 1, 1986</td>
</tr>
<tr>
<td>EML-350</td>
<td>February 1, 1979</td>
<td>EML-478</td>
<td>March 1, 1987</td>
</tr>
<tr>
<td>EML-351</td>
<td>February 1, 1979</td>
<td>EML-498</td>
<td>September 1, 1987</td>
</tr>
<tr>
<td>EML-354</td>
<td>May 1, 1979</td>
<td>EML-518</td>
<td>January 2, 1989</td>
</tr>
<tr>
<td>EML-358</td>
<td>August 1, 1979</td>
<td>EML-525*</td>
<td>August 1, 1989</td>
</tr>
<tr>
<td>EML-364</td>
<td>November 1, 1979</td>
<td>EML-526</td>
<td>January 2, 1990</td>
</tr>
<tr>
<td>EML-368</td>
<td>February 1, 1980</td>
<td>EML-530</td>
<td>July 2, 1990</td>
</tr>
<tr>
<td>EML-377</td>
<td>August 1, 1979</td>
<td>EML-535</td>
<td>January 1, 1991</td>
</tr>
<tr>
<td>EML-387</td>
<td>February 1, 1981</td>
<td>EML-539</td>
<td>July 1, 1991</td>
</tr>
<tr>
<td>EML-388</td>
<td>February 1, 1981</td>
<td>EML-543</td>
<td>January 2, 1992</td>
</tr>
<tr>
<td>EML-393</td>
<td>August 3, 1981</td>
<td>EML-546</td>
<td>July 1, 1992</td>
</tr>
<tr>
<td>EML-402</td>
<td>February 1, 1982</td>
<td>EML-551</td>
<td>January 4, 1993</td>
</tr>
<tr>
<td>EML-414</td>
<td>April 1, 1983</td>
<td>EML-556</td>
<td>July 1, 1993</td>
</tr>
<tr>
<td>EML-417</td>
<td>September 1, 1983</td>
<td>EML-559</td>
<td>January 5, 1994</td>
</tr>
<tr>
<td>EML-426</td>
<td>March 1, 1984</td>
<td>EML-561</td>
<td>July 1, 1994</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EML-565</td>
<td>January 5, 1995</td>
</tr>
</tbody>
</table>

*Please note this is a corrected report number.
RESULTS

The results from the analysis of QAP-XLII samples received on or before June 1, 1995 are listed according to the TABLE OF CONTENTS. The data for the different kinds of samples are given in the following units:

Nuclear Species

<table>
<thead>
<tr>
<th></th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Filters</td>
<td>Bq filter⁻¹</td>
</tr>
<tr>
<td>Soil</td>
<td>Bq kg⁻¹</td>
</tr>
<tr>
<td>Tissue</td>
<td>Bq kg⁻¹</td>
</tr>
<tr>
<td>Vegetation</td>
<td>Bq kg⁻¹</td>
</tr>
<tr>
<td>Water</td>
<td>Bq L⁻¹</td>
</tr>
</tbody>
</table>

The values for elemental uranium are reported in μg filter⁻¹, g, or mL.

The 'EML value' listed in the tables to which the contractors' results are compared is the mean of replicate determinations for each nuclide. The EML uncertainty is the standard error of the mean. All other uncertainties are as reported by the participants.

With the issuance of this report, we are implementing a new evaluation system. The control limits were established from percentiles of historic data distributions (1982-1992). The evaluation of this historic data and the development of the control limits is presented in DOE report EML-564.

Participants' analytical performance is evaluated based on the historical analytical capabilities for individual analyte/matrix pairs. The criteria for acceptable performance, "a", has been chosen to be between the 15th and 85th percentile of the cumulative normalized distribution, which can be viewed as the middle 70% of all historic measurements. The acceptable with warning criteria, "W", is between the 5th and 15th percentile and between the 85th and 95th percentile. In other words, the middle 90% of all reported values are acceptable, while the outer 5th-15th (10%) and 85th-95th percentiles (10%) are in the warning area. The not acceptable criteria, "N", is established at less than the 5th percentile and greater than the 95th percentile, that is, the outer 10% of the historical data. These control limits for all 48 i/j pairs are listed in the Table of Control Limits & Performance Criteria (p. 4).

QAP is an external assessment of environmental radiological analyses. If your laboratory is performing other types of analyses (screening, high-level radiological), this evaluation system may not be appropriate, and you should continue to use an evaluation system appropriate to your data objectives.
TABLE OF CONTENTS

Summary Figure of QAP-XLII Evaluations .................................................... 1

Table of Statistical Summary ........................................................................... 2

Table of Control Limits and Performance Criteria ............................................ 4

Summary of Matrix Evaluations by Laboratory ................................................ 6

Summary of Laboratory Evaluations by Matrix ................................................ 32

Summary of Matrix Evaluations by Nuclide .................................................... 41

Results Ordered by Laboratory

<table>
<thead>
<tr>
<th>Laboratory</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA (EML)</td>
<td>45</td>
</tr>
<tr>
<td>AC</td>
<td>47</td>
</tr>
<tr>
<td>AE</td>
<td>48</td>
</tr>
<tr>
<td>AG</td>
<td>49</td>
</tr>
<tr>
<td>AM</td>
<td>51</td>
</tr>
<tr>
<td>AN</td>
<td>52</td>
</tr>
<tr>
<td>AR</td>
<td>54</td>
</tr>
<tr>
<td>AT</td>
<td>56</td>
</tr>
<tr>
<td>AU</td>
<td>57</td>
</tr>
<tr>
<td>AW</td>
<td>58</td>
</tr>
<tr>
<td>BA</td>
<td>59</td>
</tr>
<tr>
<td>BC</td>
<td>60</td>
</tr>
<tr>
<td>BE</td>
<td>61</td>
</tr>
<tr>
<td>BK</td>
<td>63</td>
</tr>
<tr>
<td>BL</td>
<td>64</td>
</tr>
<tr>
<td>BM</td>
<td>65</td>
</tr>
<tr>
<td>BN</td>
<td>67</td>
</tr>
<tr>
<td>BP</td>
<td>68</td>
</tr>
<tr>
<td>BQ</td>
<td>69</td>
</tr>
<tr>
<td>BR</td>
<td>70</td>
</tr>
<tr>
<td>BS</td>
<td>71</td>
</tr>
<tr>
<td>BU</td>
<td>72</td>
</tr>
<tr>
<td>BX</td>
<td>73</td>
</tr>
<tr>
<td>CA</td>
<td>74</td>
</tr>
<tr>
<td>CC</td>
<td>75</td>
</tr>
<tr>
<td>CH</td>
<td>77</td>
</tr>
<tr>
<td>CL</td>
<td>79</td>
</tr>
<tr>
<td>CP</td>
<td>81</td>
</tr>
<tr>
<td>CS</td>
<td>82</td>
</tr>
<tr>
<td>DC</td>
<td>83</td>
</tr>
<tr>
<td>EB</td>
<td>85</td>
</tr>
<tr>
<td>EE</td>
<td>86</td>
</tr>
<tr>
<td>EG</td>
<td>87</td>
</tr>
<tr>
<td>EL</td>
<td>88</td>
</tr>
<tr>
<td>EP</td>
<td>89</td>
</tr>
<tr>
<td>Abbreviation</td>
<td>Page</td>
</tr>
<tr>
<td>--------------</td>
<td>------</td>
</tr>
<tr>
<td>ES</td>
<td>90</td>
</tr>
<tr>
<td>ET</td>
<td>92</td>
</tr>
<tr>
<td>FG</td>
<td>94</td>
</tr>
<tr>
<td>FL</td>
<td>95</td>
</tr>
<tr>
<td>FM</td>
<td>96</td>
</tr>
<tr>
<td>FN</td>
<td>97</td>
</tr>
<tr>
<td>FS</td>
<td>98</td>
</tr>
<tr>
<td>GA</td>
<td>99</td>
</tr>
<tr>
<td>GE</td>
<td>100</td>
</tr>
<tr>
<td>GS</td>
<td>102</td>
</tr>
<tr>
<td>HA</td>
<td>103</td>
</tr>
<tr>
<td>HC</td>
<td>104</td>
</tr>
<tr>
<td>HI</td>
<td>105</td>
</tr>
<tr>
<td>HL</td>
<td>106</td>
</tr>
<tr>
<td>HR</td>
<td>107</td>
</tr>
<tr>
<td>ID</td>
<td>108</td>
</tr>
<tr>
<td>IE</td>
<td>109</td>
</tr>
<tr>
<td>IN</td>
<td>110</td>
</tr>
<tr>
<td>IR</td>
<td>111</td>
</tr>
<tr>
<td>IS</td>
<td>112</td>
</tr>
<tr>
<td>IT</td>
<td>114</td>
</tr>
<tr>
<td>KA</td>
<td>115</td>
</tr>
<tr>
<td>LA</td>
<td>116</td>
</tr>
<tr>
<td>LB</td>
<td>119</td>
</tr>
<tr>
<td>LH</td>
<td>120</td>
</tr>
<tr>
<td>LL</td>
<td>122</td>
</tr>
<tr>
<td>LM</td>
<td>123</td>
</tr>
<tr>
<td>LW</td>
<td>124</td>
</tr>
<tr>
<td>MA</td>
<td>125</td>
</tr>
<tr>
<td>ME</td>
<td>126</td>
</tr>
<tr>
<td>MI</td>
<td>127</td>
</tr>
<tr>
<td>ML</td>
<td>128</td>
</tr>
<tr>
<td>NA</td>
<td>129</td>
</tr>
<tr>
<td>NC</td>
<td>131</td>
</tr>
<tr>
<td>NJ</td>
<td>132</td>
</tr>
<tr>
<td>NL</td>
<td>133</td>
</tr>
<tr>
<td>NY</td>
<td>134</td>
</tr>
<tr>
<td>OB</td>
<td>135</td>
</tr>
<tr>
<td>OD</td>
<td>136</td>
</tr>
<tr>
<td>OI</td>
<td>137</td>
</tr>
<tr>
<td>OL</td>
<td>138</td>
</tr>
<tr>
<td>OR</td>
<td>139</td>
</tr>
<tr>
<td>OS</td>
<td>140</td>
</tr>
<tr>
<td>OT</td>
<td>141</td>
</tr>
<tr>
<td>PA</td>
<td>142</td>
</tr>
<tr>
<td>PB</td>
<td>143</td>
</tr>
<tr>
<td>PC</td>
<td>144</td>
</tr>
<tr>
<td>PI</td>
<td>145</td>
</tr>
<tr>
<td>PR</td>
<td>146</td>
</tr>
<tr>
<td>RE</td>
<td>147</td>
</tr>
<tr>
<td>RF</td>
<td>148</td>
</tr>
<tr>
<td>Matrix/Nuclide</td>
<td>Results Ordered by Matrix/Nuclide</td>
</tr>
<tr>
<td>---------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>Air</td>
<td>178</td>
</tr>
<tr>
<td>241Am</td>
<td></td>
</tr>
<tr>
<td>144Ce</td>
<td>180</td>
</tr>
<tr>
<td>57Co</td>
<td>182</td>
</tr>
<tr>
<td>60Co</td>
<td>184</td>
</tr>
<tr>
<td>134Cs</td>
<td>186</td>
</tr>
<tr>
<td>137Cs</td>
<td>188</td>
</tr>
<tr>
<td>Gross Alpha (GA)</td>
<td>190</td>
</tr>
<tr>
<td>Gross Beta (GB)</td>
<td>192</td>
</tr>
<tr>
<td>54Mn</td>
<td>194</td>
</tr>
<tr>
<td>238Pu</td>
<td>196</td>
</tr>
<tr>
<td>239Pu</td>
<td>198</td>
</tr>
<tr>
<td>125Sb</td>
<td>200</td>
</tr>
<tr>
<td>90Sr</td>
<td>202</td>
</tr>
<tr>
<td>234U</td>
<td>204</td>
</tr>
<tr>
<td>235U</td>
<td>205</td>
</tr>
<tr>
<td>238U</td>
<td>206</td>
</tr>
<tr>
<td>U Bq</td>
<td>207</td>
</tr>
<tr>
<td>U μg</td>
<td>208</td>
</tr>
</tbody>
</table>
### Soil

<table>
<thead>
<tr>
<th>Isotope</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>$^{241}\text{Am}$</td>
<td>209</td>
</tr>
<tr>
<td>$^{137}\text{Cs}$</td>
<td>211</td>
</tr>
<tr>
<td>$^{40}\text{K}$</td>
<td>214</td>
</tr>
<tr>
<td>$^{238}\text{Pu}$</td>
<td>216</td>
</tr>
<tr>
<td>$^{239}\text{Pu}$</td>
<td>218</td>
</tr>
<tr>
<td>$^{90}\text{Sr}$</td>
<td>220</td>
</tr>
<tr>
<td>$^{234}\text{U}$</td>
<td>222</td>
</tr>
<tr>
<td>$^{235}\text{U}$</td>
<td>224</td>
</tr>
<tr>
<td>$^{238}\text{U}$</td>
<td>225</td>
</tr>
<tr>
<td>U Bq</td>
<td>227</td>
</tr>
<tr>
<td>U $\mu$g</td>
<td>228</td>
</tr>
</tbody>
</table>

### Vegetation

<table>
<thead>
<tr>
<th>Isotope</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>$^{241}\text{Am}$</td>
<td>229</td>
</tr>
<tr>
<td>$^{69}\text{Co}$</td>
<td>231</td>
</tr>
<tr>
<td>$^{137}\text{Cs}$</td>
<td>233</td>
</tr>
<tr>
<td>$^{40}\text{K}$</td>
<td>235</td>
</tr>
<tr>
<td>$^{238}\text{Pu}$</td>
<td>237</td>
</tr>
<tr>
<td>$^{239}\text{Pu}$</td>
<td>238</td>
</tr>
<tr>
<td>$^{90}\text{Sr}$</td>
<td>240</td>
</tr>
</tbody>
</table>

### Water

<table>
<thead>
<tr>
<th>Isotope</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>$^{241}\text{Am}$</td>
<td>242</td>
</tr>
<tr>
<td>$^{69}\text{Co}$</td>
<td>244</td>
</tr>
<tr>
<td>$^{137}\text{Cs}$</td>
<td>247</td>
</tr>
<tr>
<td>$^{137}\text{Cs}$</td>
<td>250</td>
</tr>
<tr>
<td>$^{55}\text{Fe}$</td>
<td>253</td>
</tr>
<tr>
<td>Gross Alpha (GA)</td>
<td>254</td>
</tr>
<tr>
<td>Gross Beta (GB)</td>
<td>256</td>
</tr>
<tr>
<td>$^3\text{H}$</td>
<td>258</td>
</tr>
<tr>
<td>$^{54}\text{Mn}$</td>
<td>260</td>
</tr>
<tr>
<td>$^{239}\text{Pu}$</td>
<td>263</td>
</tr>
<tr>
<td>$^{90}\text{Sr}$</td>
<td>265</td>
</tr>
<tr>
<td>$^{238}\text{U}$</td>
<td>267</td>
</tr>
<tr>
<td>$^{238}\text{U}$</td>
<td>269</td>
</tr>
<tr>
<td>U Bq</td>
<td>270</td>
</tr>
<tr>
<td>U $\mu$g</td>
<td>271</td>
</tr>
</tbody>
</table>

### List of Labcodes of Participating Laboratories for EML QAP XLI

| Laboratories Reporting Data | 272 |
| Laboratories Not Reporting Data | 277 |
QAP 42 Summary of Evaluations of 2861 Reported Analyses

Air Filter:
983 Analyses
- A = Acceptable: 60%
- W = Acceptable with Warning: 27%
- N = Not Acceptable: 13%

Soil:
569 Analyses
- A = Acceptable: 80%
- W = Acceptable with Warning: 8%
- N = Not Acceptable: 12%

Vegetation:
409 Analyses
- A = Acceptable: 71%
- W = Acceptable with Warning: 16%
- N = Not Acceptable: 13%

Summary: All Analyses
- A = Acceptable: 67%
- W = Acceptable with Warning: 22%
- N = Not Acceptable: 11%

Water:
900 Analyses
- A = Acceptable: 66.0%
- W = Acceptable with Warning: 25.0%
- N = Not Acceptable: 9.0%

A = Acceptable
W = Acceptable with Warning
N = Not Acceptable
### Statistical Summary

<table>
<thead>
<tr>
<th>Nuclide</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Mean Ratio</th>
<th>Median Ratio</th>
<th>No. of Reported Values</th>
<th>Standard Deviation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AM241</td>
<td>0.177</td>
<td>0.003</td>
<td>1.03</td>
<td>1.01</td>
<td>52</td>
<td>0.20</td>
</tr>
<tr>
<td>CE144</td>
<td>91.200</td>
<td>0.127</td>
<td>0.78</td>
<td>0.75</td>
<td>67</td>
<td>0.14</td>
</tr>
<tr>
<td>CO 57</td>
<td>3.760</td>
<td>0.87</td>
<td>0.85</td>
<td>0.85</td>
<td>74</td>
<td>0.10</td>
</tr>
<tr>
<td>CS134</td>
<td>5.760</td>
<td>0.90</td>
<td>0.89</td>
<td>0.89</td>
<td>76</td>
<td>0.10</td>
</tr>
<tr>
<td>CS137</td>
<td>5.280</td>
<td>0.90</td>
<td>0.88</td>
<td>0.88</td>
<td>77</td>
<td>0.11</td>
</tr>
<tr>
<td>GA</td>
<td>3.220</td>
<td>0.240</td>
<td>1.14</td>
<td>1.15</td>
<td>49</td>
<td>0.16</td>
</tr>
<tr>
<td>GB</td>
<td>1.850</td>
<td>0.139</td>
<td>1.06</td>
<td>1.04</td>
<td>47</td>
<td>0.23</td>
</tr>
<tr>
<td>MN 54</td>
<td>4.710</td>
<td>0.470</td>
<td>0.80</td>
<td>0.87</td>
<td>75</td>
<td>0.11</td>
</tr>
<tr>
<td>PU238</td>
<td>0.122</td>
<td>0.004</td>
<td>0.97</td>
<td>0.99</td>
<td>52</td>
<td>0.14</td>
</tr>
<tr>
<td>PU239</td>
<td>0.062</td>
<td>0.002</td>
<td>1.04</td>
<td>1.01</td>
<td>49</td>
<td>0.15</td>
</tr>
<tr>
<td>SB125</td>
<td>9.420</td>
<td>0.942</td>
<td>0.93</td>
<td>0.91</td>
<td>71</td>
<td>0.17</td>
</tr>
<tr>
<td>SR 90</td>
<td>0.739</td>
<td>0.054</td>
<td>1.11</td>
<td>1.08</td>
<td>43</td>
<td>0.18</td>
</tr>
<tr>
<td>U 234</td>
<td>0.059</td>
<td>0.002</td>
<td>1.21</td>
<td>1.17</td>
<td>24</td>
<td>0.21</td>
</tr>
<tr>
<td>U 235</td>
<td>0.030</td>
<td>0.009</td>
<td>1.16</td>
<td>1.19</td>
<td>8</td>
<td>0.19</td>
</tr>
<tr>
<td>U 238</td>
<td>0.002</td>
<td>0.000</td>
<td>1.41</td>
<td>1.40</td>
<td>4</td>
<td>0.43</td>
</tr>
<tr>
<td>U BQ</td>
<td>0.091</td>
<td>0.005</td>
<td>0.98</td>
<td>1.04</td>
<td>8</td>
<td>0.26</td>
</tr>
<tr>
<td>U UG</td>
<td>0.538</td>
<td>0.021</td>
<td>1.17</td>
<td>1.09</td>
<td>8</td>
<td>0.23</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AM241</td>
<td>3.200</td>
<td>0.754</td>
<td>0.94</td>
<td>0.89</td>
<td>53</td>
<td>0.29</td>
</tr>
<tr>
<td>CS137</td>
<td>268.000</td>
<td>3.560</td>
<td>1.08</td>
<td>1.10</td>
<td>85</td>
<td>0.12</td>
</tr>
<tr>
<td>K 40</td>
<td>384.000</td>
<td>27.800</td>
<td>1.06</td>
<td>1.05</td>
<td>80</td>
<td>0.15</td>
</tr>
<tr>
<td>PU238</td>
<td>32.000</td>
<td>0.567</td>
<td>0.96</td>
<td>1.00</td>
<td>62</td>
<td>0.17</td>
</tr>
<tr>
<td>PU239</td>
<td>6.760</td>
<td>0.440</td>
<td>1.07</td>
<td>1.04</td>
<td>65</td>
<td>0.20</td>
</tr>
<tr>
<td>SR 90</td>
<td>11.300</td>
<td>1.500</td>
<td>1.14</td>
<td>1.15</td>
<td>39</td>
<td>0.26</td>
</tr>
<tr>
<td>U 234</td>
<td>30.300</td>
<td>1.790</td>
<td>0.89</td>
<td>0.89</td>
<td>46</td>
<td>0.17</td>
</tr>
<tr>
<td>U 235</td>
<td>1.580</td>
<td>0.075</td>
<td>0.95</td>
<td>1.00</td>
<td>5</td>
<td>0.16</td>
</tr>
<tr>
<td>U 238</td>
<td>31.600</td>
<td>1.270</td>
<td>0.85</td>
<td>0.83</td>
<td>51</td>
<td>0.17</td>
</tr>
<tr>
<td>U BQ</td>
<td>63.400</td>
<td>3.200</td>
<td>0.86</td>
<td>0.95</td>
<td>22</td>
<td>0.26</td>
</tr>
<tr>
<td>U UG</td>
<td>2.500</td>
<td>0.130</td>
<td>0.90</td>
<td>0.91</td>
<td>14</td>
<td>0.14</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AM241</td>
<td>1.330</td>
<td>0.073</td>
<td>1.03</td>
<td>1.03</td>
<td>64</td>
<td>0.17</td>
</tr>
<tr>
<td>CO 60</td>
<td>10.000</td>
<td>1.700</td>
<td>0.95</td>
<td>0.93</td>
<td>58</td>
<td>0.14</td>
</tr>
<tr>
<td>CS137</td>
<td>161.000</td>
<td>3.270</td>
<td>1.13</td>
<td>1.14</td>
<td>72</td>
<td>0.15</td>
</tr>
<tr>
<td>K 40</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.09</td>
<td>1.12</td>
<td>69</td>
<td>0.15</td>
</tr>
<tr>
<td>PU238</td>
<td>0.089</td>
<td>0.019</td>
<td>1.13</td>
<td>1.09</td>
<td>19</td>
<td>0.20</td>
</tr>
<tr>
<td>PRU239</td>
<td>1.120</td>
<td>0.159</td>
<td>1.04</td>
<td>0.99</td>
<td>51</td>
<td>0.19</td>
</tr>
<tr>
<td>SR 90</td>
<td>512.000</td>
<td>52.500</td>
<td>0.89</td>
<td>0.92</td>
<td>47</td>
<td>0.18</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AM241</td>
<td>1.030</td>
<td>0.073</td>
<td>1.03</td>
<td>1.03</td>
<td>59</td>
<td>0.17</td>
</tr>
<tr>
<td>CO 60</td>
<td>10.000</td>
<td>1.700</td>
<td>0.95</td>
<td>0.93</td>
<td>58</td>
<td>0.14</td>
</tr>
<tr>
<td>CS137</td>
<td>161.000</td>
<td>3.270</td>
<td>1.13</td>
<td>1.14</td>
<td>72</td>
<td>0.15</td>
</tr>
<tr>
<td>K 40</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.09</td>
<td>1.12</td>
<td>69</td>
<td>0.15</td>
</tr>
<tr>
<td>PU238</td>
<td>0.089</td>
<td>0.019</td>
<td>1.13</td>
<td>1.09</td>
<td>19</td>
<td>0.20</td>
</tr>
<tr>
<td>PRU239</td>
<td>1.120</td>
<td>0.159</td>
<td>1.04</td>
<td>0.99</td>
<td>51</td>
<td>0.19</td>
</tr>
<tr>
<td>SR 90</td>
<td>512.000</td>
<td>52.500</td>
<td>0.89</td>
<td>0.92</td>
<td>47</td>
<td>0.18</td>
</tr>
</tbody>
</table>

Statistical summary of "A" and "W" reported values
## Statistical Summary

<table>
<thead>
<tr>
<th>Nuclide</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Mean Ratio</th>
<th>Median Ratio</th>
<th>No. of Reported Values</th>
<th>Standard Deviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS137</td>
<td>76.800</td>
<td>2.280</td>
<td>1.12</td>
<td>1.13</td>
<td>96</td>
<td>0.08</td>
</tr>
<tr>
<td>FE 55</td>
<td>119.000</td>
<td>5.820</td>
<td>1.06</td>
<td>0.98</td>
<td>13</td>
<td>0.16</td>
</tr>
<tr>
<td>GA</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.08</td>
<td>1.08</td>
<td>57</td>
<td>0.16</td>
</tr>
<tr>
<td>GB</td>
<td>653.000</td>
<td>19.300</td>
<td>1.15</td>
<td>1.16</td>
<td>52</td>
<td>0.19</td>
</tr>
<tr>
<td>Mn 54</td>
<td>60.300</td>
<td>2.310</td>
<td>0.97</td>
<td>0.92</td>
<td>75</td>
<td>0.20</td>
</tr>
<tr>
<td>Mn 54</td>
<td>43.500</td>
<td>2.060</td>
<td>1.10</td>
<td>1.10</td>
<td>87</td>
<td>0.07</td>
</tr>
<tr>
<td>Pu239</td>
<td>0.591</td>
<td>0.047</td>
<td>1.12</td>
<td>1.13</td>
<td>64</td>
<td>0.09</td>
</tr>
<tr>
<td>Sr 90</td>
<td>2.400</td>
<td>0.225</td>
<td>0.97</td>
<td>0.95</td>
<td>58</td>
<td>0.15</td>
</tr>
<tr>
<td>U 234</td>
<td>0.373</td>
<td>0.013</td>
<td>1.05</td>
<td>1.03</td>
<td>40</td>
<td>0.14</td>
</tr>
<tr>
<td>U 235</td>
<td>0.196</td>
<td>0.006</td>
<td>1.06</td>
<td>1.02</td>
<td>13</td>
<td>0.18</td>
</tr>
<tr>
<td>U UQ</td>
<td>0.568</td>
<td>0.028</td>
<td>1.02</td>
<td>1.05</td>
<td>15</td>
<td>0.10</td>
</tr>
<tr>
<td>U UG</td>
<td>0.003</td>
<td>0.000</td>
<td>1.03</td>
<td>1.04</td>
<td>7</td>
<td>0.09</td>
</tr>
</tbody>
</table>

Statistical summary of "A" and "W" reported values

---

3
Control Limits by Matrix

<table>
<thead>
<tr>
<th>Nuclide</th>
<th>Lower Limit</th>
<th>Lower Middle Limit</th>
<th>Upper Middle Limit</th>
<th>Upper Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM241</td>
<td>0.54</td>
<td>0.77</td>
<td>1.23</td>
<td>1.64</td>
</tr>
<tr>
<td>CE144</td>
<td>0.59</td>
<td>0.78</td>
<td>1.16</td>
<td>1.36</td>
</tr>
<tr>
<td>CO 57</td>
<td>0.64</td>
<td>0.79</td>
<td>1.16</td>
<td>1.45</td>
</tr>
<tr>
<td>CO 60</td>
<td>0.71</td>
<td>0.83</td>
<td>1.15</td>
<td>1.29</td>
</tr>
<tr>
<td>CS134</td>
<td>0.65</td>
<td>0.75</td>
<td>1.08</td>
<td>1.22</td>
</tr>
<tr>
<td>CS137</td>
<td>0.69</td>
<td>0.85</td>
<td>1.19</td>
<td>1.32</td>
</tr>
<tr>
<td>GA</td>
<td>0.50</td>
<td>0.80</td>
<td>1.20</td>
<td>1.50</td>
</tr>
<tr>
<td>GB</td>
<td>0.60</td>
<td>0.80</td>
<td>1.20</td>
<td>1.50</td>
</tr>
<tr>
<td>MN 54</td>
<td>0.74</td>
<td>0.85</td>
<td>1.20</td>
<td>1.36</td>
</tr>
<tr>
<td>PU238</td>
<td>0.48</td>
<td>0.69</td>
<td>1.14</td>
<td>1.75</td>
</tr>
<tr>
<td>PU239</td>
<td>0.57</td>
<td>0.79</td>
<td>1.15</td>
<td>1.60</td>
</tr>
<tr>
<td>SB125</td>
<td>0.50</td>
<td>0.80</td>
<td>1.20</td>
<td>1.50</td>
</tr>
<tr>
<td>SR 90</td>
<td>0.62</td>
<td>0.77</td>
<td>1.43</td>
<td>1.90</td>
</tr>
<tr>
<td>U 234</td>
<td>0.70</td>
<td>0.88</td>
<td>1.27</td>
<td>1.74</td>
</tr>
<tr>
<td>U 235</td>
<td>0.70</td>
<td>0.88</td>
<td>1.27</td>
<td>1.74</td>
</tr>
<tr>
<td>U 238</td>
<td>0.74</td>
<td>0.88</td>
<td>1.33</td>
<td>1.87</td>
</tr>
<tr>
<td>U 80</td>
<td>0.50</td>
<td>0.80</td>
<td>1.20</td>
<td>1.50</td>
</tr>
<tr>
<td>U UG</td>
<td>0.50</td>
<td>0.80</td>
<td>1.20</td>
<td>1.50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nuclide</th>
<th>Lower Limit</th>
<th>Lower Middle Limit</th>
<th>Upper Middle Limit</th>
<th>Upper Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM241</td>
<td>0.57</td>
<td>0.78</td>
<td>1.19</td>
<td>1.50</td>
</tr>
<tr>
<td>CO 60</td>
<td>0.79</td>
<td>0.89</td>
<td>1.10</td>
<td>1.18</td>
</tr>
<tr>
<td>CS134</td>
<td>0.74</td>
<td>0.83</td>
<td>1.17</td>
<td>1.28</td>
</tr>
<tr>
<td>CS137</td>
<td>0.82</td>
<td>0.93</td>
<td>1.16</td>
<td>1.28</td>
</tr>
</tbody>
</table>

Units for limits are in terms of the ratio Reported Value vs. EML Value
Control Limits by Matrix

<table>
<thead>
<tr>
<th>Nuclide</th>
<th>Lower Limit</th>
<th>Lower Middle Limit</th>
<th>Upper Middle Limit</th>
<th>Upper Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fe 55</td>
<td>0.50</td>
<td>0.80</td>
<td>1.20</td>
<td>1.50</td>
</tr>
<tr>
<td>Ga</td>
<td>0.50</td>
<td>0.80</td>
<td>1.20</td>
<td>1.50</td>
</tr>
<tr>
<td>Gd</td>
<td>0.50</td>
<td>0.80</td>
<td>1.20</td>
<td>1.50</td>
</tr>
<tr>
<td>H 3</td>
<td>0.64</td>
<td>0.83</td>
<td>1.28</td>
<td>1.85</td>
</tr>
<tr>
<td>MN 54</td>
<td>0.81</td>
<td>0.93</td>
<td>1.14</td>
<td>1.25</td>
</tr>
<tr>
<td>Pu239</td>
<td>0.54</td>
<td>0.70</td>
<td>1.16</td>
<td>1.34</td>
</tr>
<tr>
<td>Sr 90</td>
<td>0.57</td>
<td>0.84</td>
<td>1.16</td>
<td>1.43</td>
</tr>
<tr>
<td>U 234</td>
<td>0.76</td>
<td>0.89</td>
<td>1.19</td>
<td>1.53</td>
</tr>
<tr>
<td>U 235</td>
<td>0.76</td>
<td>0.89</td>
<td>1.19</td>
<td>1.53</td>
</tr>
<tr>
<td>U BQ</td>
<td>0.36</td>
<td>0.73</td>
<td>1.22</td>
<td>1.78</td>
</tr>
<tr>
<td>U UG</td>
<td>0.69</td>
<td>0.86</td>
<td>1.15</td>
<td>1.27</td>
</tr>
</tbody>
</table>

Control limits are established from historical QAP data. Where historical data are insufficient, limits of ±20% and ±50% are applied.

The following are recommended performance criteria for analysis of environmental levels of analytes:

Acceptable = Lower Middle Limit ≤ A ≤ Upper Middle Limit
Acceptable with Warning = Lower Limit ≤ W < Lower Middle Limit, Upper Middle Limit < W ≤ Upper Limit
Not Acceptable = N < Lower Limit, N > Upper Limit

Units for limits are in terms of the ratio Reported Value vs. EML Value.
## Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>Labcode: AA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>18</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>11</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>7</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>15</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>51</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Labcode: AC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>7</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>6</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>5</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>23</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>Labcode: AE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SO</td>
<td>7</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>6</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>13</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Labcode: AG</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>13</td>
<td>7</td>
<td>2</td>
</tr>
<tr>
<td>SO</td>
<td>14</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>11</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>15</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Totals</td>
<td>53</td>
<td>13</td>
<td>7</td>
</tr>
<tr>
<td>Labcode: AM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>2</td>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>SO</td>
<td>4</td>
<td>0</td>
<td>2</td>
</tr>
</tbody>
</table>
### Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td>VE</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>4</td>
<td>3</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>9</strong></td>
<td><strong>11</strong></td>
<td><strong>10</strong></td>
<td><strong>30</strong></td>
<td><strong>30%</strong></td>
</tr>
</tbody>
</table>

#### Labcode: AN

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>10</td>
<td>4</td>
<td>1</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>So</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Ve</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Wa</td>
<td>7</td>
<td>4</td>
<td>1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>32</strong></td>
<td><strong>8</strong></td>
<td><strong>2</strong></td>
<td><strong>42</strong></td>
<td><strong>76%</strong></td>
</tr>
</tbody>
</table>

#### Labcode: AR

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>8</td>
<td>6</td>
<td>2</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>So</td>
<td>7</td>
<td>2</td>
<td>0</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Ve</td>
<td>2</td>
<td>0</td>
<td>5</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Wa</td>
<td>7</td>
<td>4</td>
<td>1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>24</strong></td>
<td><strong>12</strong></td>
<td><strong>8</strong></td>
<td><strong>44</strong></td>
<td><strong>55%</strong></td>
</tr>
</tbody>
</table>

#### Labcode: AT

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>11</td>
<td>0</td>
<td>1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>So</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Ve</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Wa</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>22</strong></td>
<td><strong>5</strong></td>
<td><strong>6</strong></td>
<td><strong>33</strong></td>
<td><strong>67%</strong></td>
</tr>
</tbody>
</table>

#### Labcode: AU

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>11</td>
<td>0</td>
<td>0</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>So</td>
<td>4</td>
<td>3</td>
<td>0</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Ve</td>
<td>5</td>
<td>1</td>
<td>0</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>
### Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>WA</td>
<td>8</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>28</td>
<td>5</td>
<td>0</td>
</tr>
</tbody>
</table>

**Labcode: AW**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| Al   | 7 | 0 | 1 | 8 | 88 | 0  | 13%
| SQ   | 0 | 0 | 1 | 1 | 0  | 0  | 100%
| WA   | 4 | 2 | 0 | 6 | 67 | 33 | 0%
| Totals| 11| 2 | 2 | 15| 73%| 13%| 13% |

**Labcode: BA**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| Al   | 10| 0 | 0 | 10| 100| 0  | 0%
| SQ   | 1 | 0 | 0 | 1 | 100| 0  | 0%
| VE   | 0 | 2 | 0 | 2 | 0  | 100| 0%
| WA   | 3 | 2 | 0 | 5 | 60 | 40 | 0%
| Totals| 14| 4 | 0 | 18| 78%| 22%| 0% |

**Labcode: BC**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| Al   | 4 | 0 | 1 | 5 | 80 | 0  | 20%
| SQ   | 2 | 2 | 0 | 4 | 50 | 50 | 0%
| VE   | 2 | 1 | 0 | 3 | 67 | 33 | 0%
| WA   | 3 | 1 | 1 | 5 | 60 | 20 | 20%
| Totals| 11| 4 | 2 | 17| 65%| 24%| 12% |

**Labcode: BE**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| Al   | 11| 2 | 1 | 14| 79 | 7  | 14%
| SQ   | 6 | 2 | 0 | 8 | 75 | 25 | 0%
| VE   | 4 | 0 | 1 | 5 | 80 | 0  | 20%
| WA   | 11| 0 | 0 | 11| 100| 0  | 0%
| Totals| 32| 4 | 2 | 38| 84%| 11%| 5% |
## Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>Labcode: BK</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>2</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>2</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Labcode: BL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>14</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>SO</td>
<td>14</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>4</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>WA</td>
<td>13</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Totals</td>
<td>45</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>Labcode: BM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>11</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>10</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>5</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>WA</td>
<td>8</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>34</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>Labcode: BN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>8</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>SO</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>2</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>WA</td>
<td>4</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>15</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Labcode: BP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SO</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

9
### Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>Totals</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Labcode: BQ

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>67</td>
<td>33</td>
</tr>
<tr>
<td>VE</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>4</td>
<td>75</td>
<td>25</td>
</tr>
<tr>
<td>Totals</td>
<td>7</td>
<td>2</td>
<td>0</td>
<td>9</td>
<td>78%</td>
<td>22%</td>
</tr>
</tbody>
</table>

#### Labcode: BR

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>7</td>
<td>57</td>
<td>29</td>
</tr>
<tr>
<td>SO</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>4</td>
<td>25</td>
<td>75</td>
</tr>
<tr>
<td>Totals</td>
<td>10</td>
<td>5</td>
<td>1</td>
<td>16</td>
<td>63%</td>
<td>31%</td>
</tr>
</tbody>
</table>

#### Labcode: BS

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>2</td>
<td>6</td>
<td>0</td>
<td>8</td>
<td>25</td>
<td>75</td>
</tr>
<tr>
<td>SO</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>4</td>
<td>75</td>
<td>25</td>
</tr>
<tr>
<td>VE</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>50</td>
<td>25</td>
</tr>
<tr>
<td>WA</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>12</td>
<td>8</td>
<td>1</td>
<td>21</td>
<td>57%</td>
<td>38%</td>
</tr>
</tbody>
</table>

#### Labcode: BU

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>11</td>
<td>0</td>
<td>0</td>
<td>11</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>67</td>
<td>17</td>
</tr>
<tr>
<td>VE</td>
<td>1</td>
<td>4</td>
<td>1</td>
<td>6</td>
<td>17</td>
<td>67</td>
</tr>
<tr>
<td>WA</td>
<td>3</td>
<td>7</td>
<td>2</td>
<td>12</td>
<td>25</td>
<td>58</td>
</tr>
<tr>
<td>Totals</td>
<td>19</td>
<td>12</td>
<td>4</td>
<td>35</td>
<td>54%</td>
<td>34%</td>
</tr>
</tbody>
</table>
### Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td><strong>Labcode: BX</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>7</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>SO</td>
<td>4</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>WA</td>
<td>7</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>21</td>
<td>14</td>
<td>3</td>
</tr>
<tr>
<td><strong>Labcode: CA</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>4</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>3</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Totals</td>
<td>7</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td><strong>Labcode: CC</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>6</td>
<td>7</td>
<td>2</td>
</tr>
<tr>
<td>SO</td>
<td>9</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>5</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>WA</td>
<td>11</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Totals</td>
<td>31</td>
<td>10</td>
<td>4</td>
</tr>
<tr>
<td><strong>Labcode: CH</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>7</td>
<td>7</td>
<td>1</td>
</tr>
<tr>
<td>SO</td>
<td>5</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>VE</td>
<td>5</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>WA</td>
<td>9</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>26</td>
<td>10</td>
<td>3</td>
</tr>
<tr>
<td><strong>Labcode: CL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>7</td>
<td>2</td>
<td>5</td>
</tr>
</tbody>
</table>
# Summary of Matrix Evaluations by Laboratory

## Evaluation Summary

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO</td>
<td>5</td>
<td>3</td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td>VE</td>
<td>4</td>
<td>0</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>WA</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>10</td>
</tr>
</tbody>
</table>

**Totals:** 18 9 13 40

## Evaluation Percentages

<table>
<thead>
<tr>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO</td>
<td>56</td>
<td>33</td>
<td>11</td>
</tr>
<tr>
<td>VE</td>
<td>57</td>
<td>0</td>
<td>43</td>
</tr>
<tr>
<td>WA</td>
<td>20</td>
<td>40</td>
<td>40</td>
</tr>
</tbody>
</table>

**Totals:** 45% 23% 33%

## Labcode: CP

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>9</td>
<td>2</td>
<td>0</td>
<td>11</td>
</tr>
<tr>
<td>SO</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>VE</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>WA</td>
<td>6</td>
<td>1</td>
<td>2</td>
<td>9</td>
</tr>
</tbody>
</table>

**Totals:** 21 6 4 31

## Labcode: CS

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>3</td>
<td>1</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>SO</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>VE</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>WA</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>5</td>
</tr>
</tbody>
</table>

**Totals:** 7 3 12 22

## Labcode: DC

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>13</td>
<td>1</td>
<td>2</td>
<td>16</td>
</tr>
<tr>
<td>SO</td>
<td>3</td>
<td>0</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>VE</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>WA</td>
<td>3</td>
<td>4</td>
<td>1</td>
<td>8</td>
</tr>
</tbody>
</table>

**Totals:** 24 6 10 40

## Labcode: EB

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>VE</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

**Totals:** 17 50 33

## Labcode: DC

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>13</td>
<td>1</td>
<td>2</td>
<td>16</td>
</tr>
<tr>
<td>SO</td>
<td>3</td>
<td>0</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>VE</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>WA</td>
<td>3</td>
<td>4</td>
<td>1</td>
<td>8</td>
</tr>
</tbody>
</table>

**Totals:** 24 6 10 40

## Evaluation Percentages

<table>
<thead>
<tr>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>82</td>
<td>18</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>33</td>
<td>33</td>
<td>33</td>
</tr>
<tr>
<td>VE</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>67</td>
<td>11</td>
<td>22</td>
</tr>
</tbody>
</table>

**Totals:** 68% 19% 13%

## Labcode: EB

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>VE</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

**Totals:** 17 50 33
### Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>WA</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Totals</td>
<td>3</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

#### Labcode: EE

<table>
<thead>
<tr>
<th></th>
<th>AI</th>
<th>S0</th>
<th>VE</th>
<th>WA</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9</td>
<td>7</td>
<td>5</td>
<td>6</td>
<td>11</td>
<td>82</td>
<td>18</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>27</td>
<td>6</td>
<td>0</td>
<td>33</td>
<td>82%</td>
<td>18%</td>
<td>0%</td>
<td></td>
</tr>
</tbody>
</table>

#### Labcode: EG

<table>
<thead>
<tr>
<th></th>
<th>AI</th>
<th>S0</th>
<th>VE</th>
<th>WA</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6</td>
<td>8</td>
<td>3</td>
<td>12</td>
<td>9</td>
<td>67</td>
<td>22</td>
<td>11</td>
</tr>
<tr>
<td>Totals</td>
<td>29</td>
<td>4</td>
<td>2</td>
<td>35</td>
<td>83%</td>
<td>11%</td>
<td>6%</td>
<td></td>
</tr>
</tbody>
</table>

#### Labcode: EL

<table>
<thead>
<tr>
<th></th>
<th>AI</th>
<th>S0</th>
<th>VE</th>
<th>WA</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>3</td>
<td>12</td>
<td>42</td>
<td>25</td>
<td>33</td>
</tr>
<tr>
<td>Totals</td>
<td>18</td>
<td>9</td>
<td>7</td>
<td>34</td>
<td>53%</td>
<td>26%</td>
<td>21%</td>
<td></td>
</tr>
</tbody>
</table>

#### Labcode: EP

<table>
<thead>
<tr>
<th></th>
<th>AI</th>
<th>S0</th>
<th>VE</th>
<th>WA</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>9</td>
<td>89</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>14</td>
<td>3</td>
<td>2</td>
<td>19</td>
<td>74%</td>
<td>16%</td>
<td>11%</td>
<td></td>
</tr>
</tbody>
</table>
## Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>8</td>
<td>3</td>
<td>5</td>
<td>16</td>
<td>50</td>
<td>19</td>
<td>31</td>
</tr>
<tr>
<td>SD</td>
<td>9</td>
<td>0</td>
<td>1</td>
<td>10</td>
<td>80</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>VE</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>7</td>
<td>86</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>10</td>
<td>2</td>
<td>1</td>
<td>13</td>
<td>77</td>
<td>15</td>
<td>8</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>33</strong></td>
<td><strong>6</strong></td>
<td><strong>7</strong></td>
<td><strong>46</strong></td>
<td><strong>72%</strong></td>
<td><strong>13%</strong></td>
<td><strong>15%</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Labcode: ES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
</tr>
<tr>
<td>SD</td>
</tr>
<tr>
<td>VE</td>
</tr>
<tr>
<td>WA</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Labcode: ET</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
</tr>
<tr>
<td>SD</td>
</tr>
<tr>
<td>WA</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Labcode: FG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
</tr>
<tr>
<td>SD</td>
</tr>
<tr>
<td>VE</td>
</tr>
<tr>
<td>WA</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Labcode: FM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
</tr>
</tbody>
</table>

Labcode: ES

Labcode: ET

Labcode: FG

Labcode: FL

Labcode: FM
### Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>WA</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>10</td>
<td>2</td>
<td>0</td>
<td>12</td>
<td>83</td>
<td>17</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Labcode: FN

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>7</td>
<td>86</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td>75</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>VE</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>17</td>
<td>1</td>
<td>1</td>
<td>19</td>
<td>89</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

#### Labcode: FS

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO</td>
<td>17</td>
<td>0</td>
<td>0</td>
<td>17</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>17</td>
<td>0</td>
<td>0</td>
<td>17</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Labcode: GA

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>8</td>
<td>5</td>
<td>0</td>
<td>13</td>
<td>62</td>
<td>38</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>5</td>
<td>1</td>
<td>0</td>
<td>6</td>
<td>83</td>
<td>17</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>67</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>WA</td>
<td>7</td>
<td>1</td>
<td>2</td>
<td>10</td>
<td>70</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>24</td>
<td>8</td>
<td>3</td>
<td>35</td>
<td>69</td>
<td>23</td>
<td>9</td>
</tr>
</tbody>
</table>

#### Labcode: GE

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>3</td>
<td>9</td>
<td>4</td>
<td>16</td>
<td>19</td>
<td>56</td>
<td>25</td>
</tr>
<tr>
<td>SO</td>
<td>8</td>
<td>1</td>
<td>0</td>
<td>9</td>
<td>88</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>7</td>
<td>71</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>WA</td>
<td>5</td>
<td>7</td>
<td>1</td>
<td>13</td>
<td>38</td>
<td>54</td>
<td>8</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>21</td>
<td>18</td>
<td>6</td>
<td>45</td>
<td>47</td>
<td>40</td>
<td>13</td>
</tr>
</tbody>
</table>

15
Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>Labcode: GS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Totals</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Labcode: HA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SO</td>
<td>6</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>WA</td>
<td>6</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>Totals</td>
<td>12</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Labcode: HC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>0</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>2</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Labcode: HL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SO</td>
<td>5</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>WA</td>
<td>4</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Totals</td>
<td>9</td>
<td>5</td>
<td>3</td>
</tr>
</tbody>
</table>

16
## Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>Labcode: HR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>SO</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Totals</td>
<td>6</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Labcode: ID</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>7</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>5</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>WA</td>
<td>2</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>19</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Labcode: IE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>8</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>SO</td>
<td>7</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>4</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>9</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>28</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Labcode: IN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>2</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>6</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>16</td>
<td>8</td>
<td>0</td>
</tr>
</tbody>
</table>
### Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>Labcode: LR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>1</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Labcode: IS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>4</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>SO</td>
<td>8</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>6</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>4</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>22</td>
<td>16</td>
<td>3</td>
</tr>
<tr>
<td>Labcode: IT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>6</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>SO</td>
<td>6</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>6</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>5</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>23</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>Labcode: KA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>0</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>7</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>12</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Labcode: LA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>26</td>
<td>10</td>
<td>3</td>
</tr>
<tr>
<td>SO</td>
<td>16</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>VE</td>
<td>14</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

18
## Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>WA</td>
<td>16</td>
<td>11</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>72</td>
<td>26</td>
<td>10</td>
</tr>
</tbody>
</table>

### Labcode: LB

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>2</td>
<td>5</td>
<td>2</td>
<td>9</td>
<td>22</td>
<td>56</td>
<td>22</td>
</tr>
<tr>
<td>SO</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>50</td>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>2</td>
<td>5</td>
<td>1</td>
<td>8</td>
<td>25</td>
<td>63</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>12</td>
<td>3</td>
<td>22</td>
<td>32%</td>
<td>55%</td>
<td>14%</td>
</tr>
</tbody>
</table>

### Labcode: LH

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>7</td>
<td>2</td>
<td>2</td>
<td>15</td>
<td>47</td>
<td>40</td>
<td>13</td>
</tr>
<tr>
<td>SO</td>
<td>6</td>
<td>2</td>
<td>0</td>
<td>8</td>
<td>75</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>8</td>
<td>2</td>
<td>2</td>
<td>12</td>
<td>67</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>27</td>
<td>10</td>
<td>4</td>
<td>41</td>
<td>66%</td>
<td>24%</td>
<td>10%</td>
</tr>
</tbody>
</table>

### Labcode: LL

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>8</td>
<td>1</td>
<td>0</td>
<td>9</td>
<td>89</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>5</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>22</td>
<td>2</td>
<td>0</td>
<td>24</td>
<td>92%</td>
<td>8%</td>
<td>0%</td>
</tr>
</tbody>
</table>

### Labcode: LM

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>0</td>
<td>3</td>
<td>7</td>
<td>10</td>
<td>0</td>
<td>30</td>
<td>70</td>
</tr>
<tr>
<td>WA</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>0</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>5</td>
<td>9</td>
<td>14</td>
<td>0%</td>
<td>36%</td>
<td>64%</td>
</tr>
</tbody>
</table>
### Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>Labcode: LW</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SO</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>4</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>8</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Labcode: MA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SO</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>4</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Labcode: ME</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>6</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>SO</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>VE</td>
<td>0</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>WA</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>12</td>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>Labcode: MI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>1</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>WA</td>
<td>6</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>7</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>Labcode: ML</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>4</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>6</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>4</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>
## Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>WA</td>
<td>4</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>18</td>
<td>6</td>
<td>0</td>
</tr>
</tbody>
</table>

### Labcode: NA

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>14</td>
<td>36</td>
<td>36</td>
<td>29</td>
</tr>
<tr>
<td>SO</td>
<td>7</td>
<td>1</td>
<td>1</td>
<td>9</td>
<td>78</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>VE</td>
<td>4</td>
<td>0</td>
<td>3</td>
<td>7</td>
<td>57</td>
<td>0</td>
<td>43</td>
</tr>
<tr>
<td>WA</td>
<td>8</td>
<td>2</td>
<td>0</td>
<td>10</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>24</td>
<td>8</td>
<td>8</td>
<td>40</td>
<td>60%</td>
<td>20%</td>
<td>20%</td>
</tr>
</tbody>
</table>

### Labcode: NC

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>7</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>4</td>
<td>75</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>14</td>
<td>1</td>
<td>0</td>
<td>15</td>
<td>93%</td>
<td>7%</td>
<td>0%</td>
</tr>
</tbody>
</table>

### Labcode: NJ

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>67</td>
<td>0</td>
<td>33</td>
</tr>
<tr>
<td>SO</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td>75</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>WA</td>
<td>11</td>
<td>2</td>
<td>0</td>
<td>13</td>
<td>85</td>
<td>15</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>21</td>
<td>2</td>
<td>2</td>
<td>25</td>
<td>84%</td>
<td>8%</td>
<td>8%</td>
</tr>
</tbody>
</table>

### Labcode: NL

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>-3</td>
<td>5</td>
<td>1</td>
<td>9</td>
<td>33</td>
<td>56</td>
<td>11</td>
</tr>
<tr>
<td>SO</td>
<td>3</td>
<td>1</td>
<td>3</td>
<td>7</td>
<td>43</td>
<td>14</td>
<td>43</td>
</tr>
<tr>
<td>WA</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>5</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>10</td>
<td>7</td>
<td>4</td>
<td>21</td>
<td>48%</td>
<td>33%</td>
<td>19%</td>
</tr>
</tbody>
</table>
# Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>Labcode: NY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Labcode: OB</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>WA</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Totals</td>
<td>5</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Labcode: OD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>2</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>8</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>10</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td>Labcode: OI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>0</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>SO</td>
<td>1</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>VE</td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>WA</td>
<td>3</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>5</td>
<td>5</td>
<td>9</td>
</tr>
<tr>
<td>Labcode: OL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AI</td>
<td>6</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

| Labcode: OL |
## Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>WA</td>
<td>3</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>14</td>
<td>3</td>
<td>0</td>
</tr>
</tbody>
</table>

**Labcode: OR**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>11</td>
<td>1</td>
<td>0</td>
<td>12</td>
<td>92</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>6</td>
<td>50</td>
<td>33</td>
<td>17</td>
</tr>
<tr>
<td>VE</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td>7</td>
<td>57</td>
<td>14</td>
<td>29</td>
</tr>
<tr>
<td>WA</td>
<td>8</td>
<td>1</td>
<td>0</td>
<td>9</td>
<td>89</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>26</td>
<td>5</td>
<td>3</td>
<td>34</td>
<td>76%</td>
<td>15%</td>
<td>9%</td>
</tr>
</tbody>
</table>

**Labcode: OS**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>7</td>
<td>86</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>14</td>
<td>2</td>
<td>0</td>
<td>16</td>
<td>68%</td>
<td>13%</td>
<td>0%</td>
</tr>
</tbody>
</table>

**Labcode: OT**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>13</td>
<td>1</td>
<td>0</td>
<td>14</td>
<td>93</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>5</td>
<td>1</td>
<td>0</td>
<td>6</td>
<td>83</td>
<td>17</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>9</td>
<td>0</td>
<td>1</td>
<td>10</td>
<td>90</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>Totals</td>
<td>33</td>
<td>2</td>
<td>1</td>
<td>36</td>
<td>92%</td>
<td>6%</td>
<td>3%</td>
</tr>
</tbody>
</table>

**Labcode: PA**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>5</td>
<td>20</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>SO</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>3</td>
<td>33</td>
<td>67</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>7</td>
<td>86</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>9</td>
<td>5</td>
<td>2</td>
<td>16</td>
<td>56%</td>
<td>31%</td>
<td>13%</td>
</tr>
</tbody>
</table>
## Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>%A</td>
<td>%W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labcode: PB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>0</td>
<td>33</td>
</tr>
<tr>
<td>SD</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>3</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>67</td>
<td>33</td>
</tr>
<tr>
<td>Totals</td>
<td>4</td>
<td>2</td>
<td>4</td>
<td>10</td>
<td>40%</td>
<td>20%</td>
</tr>
</tbody>
</table>

| Labcode: PC |
| Al     | 9  | 3  | 1  | 13 | 69 | 23 | 8  |
| SD     | 5  | 1  | 1  | 7  | 71 | 14 | 14 |
| VE     | 6  | 0  | 0  | 6  | 100| 0  | 0  |
| WA     | 9  | 0  | 0  | 9  | 100| 0  | 0  |
| Totals | 29 | 4  | 2  | 35 | 83%| 11%| 6% |

| Labcode: PI |
| Al     | 2  | 0  | 0  | 2  | 100| 0  | 0  |
| SD     | 2  | 0  | 0  | 2  | 100| 0  | 0  |
| WA     | 3  | 0  | 0  | 3  | 100| 0  | 0  |
| Totals | 7  | 0  | 0  | 7  | 100| 0% | 0% |

| Labcode: PR |
| WA     | 6  | 0  | 0  | 6  | 100| 0  | 0  |
| Totals | 6  | 0  | 0  | 6  | 100| 0% | 0% |

| Labcode: RE |
| Al     | 7  | 5  | 1  | 13 | 54 | 38 | 8  |
| SD     | 6  | 2  | 0  | 8  | 75 | 25 | 0  |
| VE     | 5  | 1  | 1  | 7  | 71 | 14 | 14 |

24
### Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>WA</td>
<td>9</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>27</td>
<td>8</td>
<td>2</td>
</tr>
</tbody>
</table>

**Labcode: RF**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>W</th>
<th>N</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>4</td>
<td>3</td>
<td>0</td>
<td>7</td>
<td>57</td>
<td>43</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>8</td>
<td>50</td>
<td>0</td>
<td>50</td>
</tr>
<tr>
<td>Totals</td>
<td>16</td>
<td>3</td>
<td>4</td>
<td>23</td>
<td>70%</td>
<td>13%</td>
<td>17%</td>
</tr>
</tbody>
</table>

**Labcode: RG**

<p>| | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SO</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>7</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>13</td>
<td>0</td>
<td>0</td>
<td>13</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Labcode: RI**

<p>| | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>5</td>
<td>4</td>
<td>0</td>
<td>9</td>
<td>56</td>
<td>44</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>50</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>WA</td>
<td>6</td>
<td>2</td>
<td>0</td>
<td>8</td>
<td>75</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>17</td>
<td>7</td>
<td>1</td>
<td>25</td>
<td>68%</td>
<td>28%</td>
<td>4%</td>
</tr>
</tbody>
</table>

**Labcode: SA**

<p>| | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>5</td>
<td>2</td>
<td>0</td>
<td>7</td>
<td>71</td>
<td>29</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>9</td>
<td>2</td>
<td>0</td>
<td>11</td>
<td>82%</td>
<td>18%</td>
<td>0%</td>
</tr>
</tbody>
</table>
## Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Labcode: SC</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>AI</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>SD</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>14</td>
<td>6</td>
</tr>
<tr>
<td>Labcode: SK</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>AI</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>SD</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>Totals</td>
<td>19</td>
<td>3</td>
</tr>
<tr>
<td>Labcode: SR</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>AI</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>SD</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>VE</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>Totals</td>
<td>17</td>
<td>8</td>
</tr>
<tr>
<td>Labcode: SS</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td>AI</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>SD</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Totals</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>Labcode: SV</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

26
### Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>Totals</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

**Labcode: SW**

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>AI</td>
<td>4</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>SO</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>3</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>4</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Totals</td>
<td>14</td>
<td>7</td>
<td>8</td>
</tr>
</tbody>
</table>

**Labcode: TI**

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>AI</td>
<td>9</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>SO</td>
<td>5</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>VE</td>
<td>6</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>WA</td>
<td>5</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>25</td>
<td>10</td>
<td>6</td>
</tr>
</tbody>
</table>

**Labcode: TM**

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>AI</td>
<td>10</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>SO</td>
<td>6</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>4</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>WA</td>
<td>7</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Totals</td>
<td>27</td>
<td>8</td>
<td>2</td>
</tr>
</tbody>
</table>

**Labcode: TN**

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>AI</td>
<td>8</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>8</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>5</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>WA</td>
<td>11</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>32</td>
<td>5</td>
<td>1</td>
</tr>
</tbody>
</table>
### Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>Labcode: TO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>3</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>7</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>WA</td>
<td>7</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Totals</td>
<td>19</td>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>Labcode: TY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>4</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Labcode: UC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>4</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>SO</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>5</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>14</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Labcode: UK</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>0</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>SO</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>2</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Totals</td>
<td>4</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>Labcode: UP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>3</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>SO</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

28
## Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>WA</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>8</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>12</td>
<td>3</td>
<td>5</td>
<td>20</td>
<td>60%</td>
<td>15%</td>
<td>25%</td>
</tr>
</tbody>
</table>

**Labcode: UV**

| AI | 0 | 2 | 0 | 2 | 0 | 100 | 0 |
| SD | 1 | 1 | 2 | 4 | 25 | 25 | 50 |
| WA | 2 | 7 | 0 | 9 | 22 | 78 | 0 |
| **Totals** | 3 | 10 | 2 | 15 | 20% | 67% | 13% |

**Labcode: WA**

| AI | 13 | 2 | 2 | 17 | 76 | 12 | 12 |
| SD | 9 | 0 | 0 | 9 | 100 | 0 | 0 |
| VE | 6 | 0 | 1 | 7 | 86 | 0 | 14 |
| WA | 10 | 2 | 1 | 13 | 77 | 15 | 8 |
| **Totals** | 38 | 4 | 4 | 46 | 83% | 9% | 9% |

**Labcode: WC**

| AI | 8 | 4 | 0 | 12 | 67 | 33 | 0 |
| SD | 3 | 0 | 3 | 6 | 50 | 0 | 50 |
| VE | 4 | 1 | 1 | 6 | 67 | 17 | 17 |
| WA | 4 | 6 | 0 | 10 | 40 | 60 | 0 |
| **Totals** | 19 | 11 | 4 | 34 | 56% | 32% | 12% |

**Labcode: WI**

| AI | 4 | 3 | 0 | 7 | 57 | 43 | 0 |
| WA | 4 | 0 | 0 | 4 | 100 | 0 | 0 |
| **Totals** | 8 | 3 | 0 | 11 | 73% | 27% | 0% |
### Summary of Matrix Evaluations by Laboratory

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td><strong>Labcode: WN</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>8</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>5</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>VE</td>
<td>5</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>5</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>23</td>
<td>14</td>
<td>1</td>
</tr>
<tr>
<td><strong>Labcode: WP</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>7</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>SO</td>
<td>6</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>VE</td>
<td>3</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>7</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>23</td>
<td>8</td>
<td>1</td>
</tr>
<tr>
<td><strong>Labcode: WS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SO</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td><strong>Labcode: WV</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>5</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Totals</td>
<td>7</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td><strong>Labcode: YA</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Al</td>
<td>10</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>SO</td>
<td>7</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>VE</td>
<td>5</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>
### Summary of Matrix Evaluations by Laboratory

#### Evaluation Summary

<table>
<thead>
<tr>
<th>Matrix</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
</tr>
</thead>
<tbody>
<tr>
<td>WA</td>
<td>9</td>
<td>3</td>
<td>1</td>
<td>13</td>
</tr>
<tr>
<td>Totals</td>
<td>31</td>
<td>11</td>
<td>2</td>
<td>44</td>
</tr>
</tbody>
</table>

#### Evaluation Percentages

<table>
<thead>
<tr>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>WA</td>
<td>69</td>
<td>23</td>
<td>8</td>
</tr>
<tr>
<td>Totals</td>
<td>70%</td>
<td>25%</td>
<td>5%</td>
</tr>
</tbody>
</table>
## Summary of Laboratory Evaluations by Matrix

**Matrix: AI**

<table>
<thead>
<tr>
<th>Labcode</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>18</td>
<td>0</td>
<td>0</td>
<td>18</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AC</td>
<td>7</td>
<td>4</td>
<td>0</td>
<td>11</td>
<td>64</td>
<td>36</td>
<td>0</td>
</tr>
<tr>
<td>AG</td>
<td>10</td>
<td>1</td>
<td>2</td>
<td>12</td>
<td>50</td>
<td>32</td>
<td>9</td>
</tr>
<tr>
<td>AM</td>
<td>10</td>
<td>1</td>
<td>1</td>
<td>15</td>
<td>17</td>
<td>58</td>
<td>25</td>
</tr>
<tr>
<td>AN</td>
<td>8</td>
<td>6</td>
<td>2</td>
<td>16</td>
<td>50</td>
<td>38</td>
<td>13</td>
</tr>
<tr>
<td>AR</td>
<td>11</td>
<td>0</td>
<td>1</td>
<td>12</td>
<td>92</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>AT</td>
<td>11</td>
<td>0</td>
<td>0</td>
<td>11</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AU</td>
<td>11</td>
<td>0</td>
<td>1</td>
<td>8</td>
<td>88</td>
<td>0</td>
<td>13</td>
</tr>
<tr>
<td>AW</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>10</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BA</td>
<td>18</td>
<td>7</td>
<td>22</td>
<td>12</td>
<td>79</td>
<td>14</td>
<td>7</td>
</tr>
<tr>
<td>BC</td>
<td>13</td>
<td>7</td>
<td>17</td>
<td>12</td>
<td>74</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>BE</td>
<td>11</td>
<td>2</td>
<td>9</td>
<td>14</td>
<td>69</td>
<td>15</td>
<td>0</td>
</tr>
<tr>
<td>BL</td>
<td>11</td>
<td>2</td>
<td>9</td>
<td>13</td>
<td>11</td>
<td>0</td>
<td>11</td>
</tr>
<tr>
<td>BM</td>
<td>8</td>
<td>0</td>
<td>1</td>
<td>9</td>
<td>57</td>
<td>20</td>
<td>14</td>
</tr>
<tr>
<td>BN</td>
<td>2</td>
<td>6</td>
<td>8</td>
<td>11</td>
<td>25</td>
<td>75</td>
<td>0</td>
</tr>
<tr>
<td>BR</td>
<td>4</td>
<td>2</td>
<td>7</td>
<td>7</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BS</td>
<td>11</td>
<td>0</td>
<td>11</td>
<td>10</td>
<td>50</td>
<td>36</td>
<td>14</td>
</tr>
<tr>
<td>BU</td>
<td>11</td>
<td>0</td>
<td>11</td>
<td>10</td>
<td>44</td>
<td>56</td>
<td>0</td>
</tr>
<tr>
<td>BX</td>
<td>13</td>
<td>1</td>
<td>13</td>
<td>10</td>
<td>40</td>
<td>47</td>
<td>13</td>
</tr>
<tr>
<td>CA</td>
<td>10</td>
<td>0</td>
<td>10</td>
<td>10</td>
<td>47</td>
<td>47</td>
<td>7</td>
</tr>
<tr>
<td>CC</td>
<td>18</td>
<td>7</td>
<td>11</td>
<td>15</td>
<td>50</td>
<td>43</td>
<td>13</td>
</tr>
<tr>
<td>CH</td>
<td>7</td>
<td>2</td>
<td>9</td>
<td>14</td>
<td>82</td>
<td>18</td>
<td>0</td>
</tr>
<tr>
<td>CL</td>
<td>9</td>
<td>2</td>
<td>9</td>
<td>11</td>
<td>30</td>
<td>10</td>
<td>60</td>
</tr>
<tr>
<td>CP</td>
<td>13</td>
<td>1</td>
<td>13</td>
<td>16</td>
<td>81</td>
<td>6</td>
<td>13</td>
</tr>
<tr>
<td>CS</td>
<td>2</td>
<td>6</td>
<td>8</td>
<td>11</td>
<td>92</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>DC</td>
<td>10</td>
<td>0</td>
<td>10</td>
<td>10</td>
<td>67</td>
<td>25</td>
<td>33</td>
</tr>
<tr>
<td>EE</td>
<td>11</td>
<td>0</td>
<td>11</td>
<td>11</td>
<td>89</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>EG</td>
<td>8</td>
<td>3</td>
<td>9</td>
<td>12</td>
<td>57</td>
<td>43</td>
<td>0</td>
</tr>
<tr>
<td>EL</td>
<td>8</td>
<td>3</td>
<td>9</td>
<td>12</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>EP</td>
<td>8</td>
<td>1</td>
<td>9</td>
<td>10</td>
<td>58</td>
<td>42</td>
<td>0</td>
</tr>
<tr>
<td>ES</td>
<td>8</td>
<td>3</td>
<td>9</td>
<td>16</td>
<td>75</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>ET</td>
<td>8</td>
<td>6</td>
<td>14</td>
<td>14</td>
<td>22</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>FG</td>
<td>8</td>
<td>2</td>
<td>9</td>
<td>14</td>
<td>30</td>
<td>10</td>
<td>60</td>
</tr>
<tr>
<td>FL</td>
<td>7</td>
<td>5</td>
<td>9</td>
<td>12</td>
<td>86</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>FM</td>
<td>6</td>
<td>1</td>
<td>11</td>
<td>13</td>
<td>62</td>
<td>38</td>
<td>0</td>
</tr>
<tr>
<td>FN</td>
<td>8</td>
<td>5</td>
<td>13</td>
<td>16</td>
<td>19</td>
<td>56</td>
<td>25</td>
</tr>
<tr>
<td>GA</td>
<td>3</td>
<td>9</td>
<td>16</td>
<td>16</td>
<td>0</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>GE</td>
<td>5</td>
<td>2</td>
<td>9</td>
<td>2</td>
<td>56</td>
<td>33</td>
<td>11</td>
</tr>
<tr>
<td>HC</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>25</td>
<td>25</td>
<td>50</td>
</tr>
<tr>
<td>HI</td>
<td>7</td>
<td>2</td>
<td>9</td>
<td>9</td>
<td>78</td>
<td>22</td>
<td>0</td>
</tr>
<tr>
<td>HR</td>
<td>8</td>
<td>3</td>
<td>12</td>
<td>12</td>
<td>67</td>
<td>25</td>
<td>8</td>
</tr>
<tr>
<td>ID</td>
<td>2</td>
<td>5</td>
<td>7</td>
<td>7</td>
<td>28</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>33</td>
<td>9</td>
<td>67</td>
</tr>
<tr>
<td>IN</td>
<td>4</td>
<td>9</td>
<td>16</td>
<td>25</td>
<td>46</td>
<td>46</td>
<td>8</td>
</tr>
<tr>
<td>IR</td>
<td>6</td>
<td>6</td>
<td>13</td>
<td>13</td>
<td>25</td>
<td>56</td>
<td>19</td>
</tr>
<tr>
<td>IS</td>
<td>6</td>
<td>6</td>
<td>13</td>
<td>13</td>
<td>46</td>
<td>46</td>
<td>8</td>
</tr>
<tr>
<td>IT</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>KA</td>
<td>26</td>
<td>10</td>
<td>39</td>
<td>39</td>
<td>67</td>
<td>26</td>
<td>8</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>5</td>
<td>9</td>
<td>9</td>
<td>22</td>
<td>56</td>
<td>22</td>
</tr>
<tr>
<td>LB</td>
<td>2</td>
<td>5</td>
<td>9</td>
<td>9</td>
<td>47</td>
<td>40</td>
<td>13</td>
</tr>
<tr>
<td>LH</td>
<td>8</td>
<td>1</td>
<td>9</td>
<td>9</td>
<td>89</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>LL</td>
<td>0</td>
<td>3</td>
<td>7</td>
<td>10</td>
<td>0</td>
<td>30</td>
<td>70</td>
</tr>
</tbody>
</table>
## Summary of Laboratory Evaluations by Matrix

### Matrix: AI

<table>
<thead>
<tr>
<th>Labcode</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME</td>
<td>6</td>
<td>0</td>
<td>5</td>
<td>11</td>
<td>55</td>
<td>0</td>
<td>45</td>
</tr>
<tr>
<td>MI</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>5</td>
<td>20</td>
<td>60</td>
<td>0</td>
</tr>
<tr>
<td>ML</td>
<td>4</td>
<td>2</td>
<td>0</td>
<td>6</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>NA</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>14</td>
<td>36</td>
<td>36</td>
<td>29</td>
</tr>
<tr>
<td>NC</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>7</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>NJ</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>67</td>
<td>0</td>
<td>33</td>
</tr>
<tr>
<td>NL</td>
<td>3</td>
<td>5</td>
<td>1</td>
<td>9</td>
<td>33</td>
<td>56</td>
<td>11</td>
</tr>
<tr>
<td>OB</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>50</td>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td>OD</td>
<td>2</td>
<td>5</td>
<td>0</td>
<td>7</td>
<td>29</td>
<td>71</td>
<td>0</td>
</tr>
<tr>
<td>OL</td>
<td>6</td>
<td>1</td>
<td>6</td>
<td>12</td>
<td>75</td>
<td>14</td>
<td>86</td>
</tr>
<tr>
<td>OR</td>
<td>11</td>
<td>1</td>
<td>12</td>
<td>7</td>
<td>92</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>OS</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>7</td>
<td>86</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>OT</td>
<td>13</td>
<td>1</td>
<td>14</td>
<td>10</td>
<td>93</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>5</td>
<td>20</td>
<td>40</td>
<td>0</td>
</tr>
<tr>
<td>PB</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>69</td>
<td>23</td>
<td>67</td>
</tr>
<tr>
<td>PC</td>
<td>9</td>
<td>3</td>
<td>1</td>
<td>13</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PI</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>54</td>
<td>38</td>
<td>8</td>
</tr>
<tr>
<td>RE</td>
<td>7</td>
<td>5</td>
<td>1</td>
<td>13</td>
<td>56</td>
<td>44</td>
<td>0</td>
</tr>
<tr>
<td>RF</td>
<td>4</td>
<td>3</td>
<td>0</td>
<td>7</td>
<td>71</td>
<td>29</td>
<td>0</td>
</tr>
<tr>
<td>RI</td>
<td>5</td>
<td>4</td>
<td>0</td>
<td>9</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SA</td>
<td>5</td>
<td>2</td>
<td>0</td>
<td>7</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SC</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>71</td>
<td>29</td>
<td>0</td>
</tr>
<tr>
<td>SK</td>
<td>5</td>
<td>2</td>
<td>0</td>
<td>7</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SR</td>
<td>2</td>
<td>3</td>
<td>6</td>
<td>11</td>
<td>18</td>
<td>27</td>
<td>55</td>
</tr>
<tr>
<td>SS</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>7</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SW</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>13</td>
<td>31</td>
<td>38</td>
<td>31</td>
</tr>
<tr>
<td>TI</td>
<td>9</td>
<td>1</td>
<td>4</td>
<td>14</td>
<td>64</td>
<td>7</td>
<td>29</td>
</tr>
<tr>
<td>TM</td>
<td>10</td>
<td>2</td>
<td>1</td>
<td>13</td>
<td>77</td>
<td>15</td>
<td>8</td>
</tr>
<tr>
<td>TN</td>
<td>8</td>
<td>4</td>
<td>0</td>
<td>12</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>TO</td>
<td>3</td>
<td>4</td>
<td>0</td>
<td>7</td>
<td>43</td>
<td>57</td>
<td>0</td>
</tr>
<tr>
<td>TY</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>UC</td>
<td>4</td>
<td>0</td>
<td>1</td>
<td>5</td>
<td>80</td>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>UK</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>UP</td>
<td>3</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>30</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>UY</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>13</td>
<td>2</td>
<td>2</td>
<td>17</td>
<td>76</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>WC</td>
<td>8</td>
<td>4</td>
<td>0</td>
<td>12</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>WI</td>
<td>4</td>
<td>3</td>
<td>0</td>
<td>7</td>
<td>57</td>
<td>43</td>
<td>0</td>
</tr>
<tr>
<td>WN</td>
<td>8</td>
<td>5</td>
<td>0</td>
<td>13</td>
<td>62</td>
<td>38</td>
<td>0</td>
</tr>
<tr>
<td>WP</td>
<td>7</td>
<td>4</td>
<td>0</td>
<td>11</td>
<td>64</td>
<td>36</td>
<td>0</td>
</tr>
<tr>
<td>WV</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>YA</td>
<td>10</td>
<td>4</td>
<td>1</td>
<td>15</td>
<td>67</td>
<td>27</td>
<td>7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Totals</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th>%</th>
<th></th>
<th></th>
<th></th>
<th>60%</th>
<th>27%</th>
<th>13%</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 Labs</td>
<td>591</td>
<td>265</td>
<td>127</td>
<td>983</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60%</td>
<td>27%</td>
<td>13%</td>
</tr>
</tbody>
</table>
### Summary of Laboratory Evaluations by Matrix

**Matrix: SO**

#### Evaluation Summary

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Total Analyses</th>
<th>A</th>
<th>W</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>11</td>
<td>11</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AC</td>
<td>6</td>
<td>6</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AE</td>
<td>7</td>
<td>7</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AG</td>
<td>14</td>
<td>14</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AM</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>AN</td>
<td>8</td>
<td>8</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AR</td>
<td>7</td>
<td>7</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>AT</td>
<td>5</td>
<td>5</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>AU</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>AW</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BC</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BE</td>
<td>6</td>
<td>6</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>BL</td>
<td>14</td>
<td>14</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BM</td>
<td>10</td>
<td>10</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>BN</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BP</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BQ</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>BR</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BS</td>
<td>3</td>
<td>3</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>BU</td>
<td>4</td>
<td>4</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BX</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>CA</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>CC</td>
<td>9</td>
<td>9</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>CH</td>
<td>5</td>
<td>5</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>CL</td>
<td>5</td>
<td>5</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>CP</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>CS</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>DC</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>DE</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>EE</td>
<td>7</td>
<td>7</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>FG</td>
<td>8</td>
<td>8</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>EL</td>
<td>5</td>
<td>5</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>EP</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ES</td>
<td>9</td>
<td>9</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>ET</td>
<td>6</td>
<td>6</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>FG</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>FL</td>
<td>5</td>
<td>5</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>FN</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>FS</td>
<td>17</td>
<td>17</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>GA</td>
<td>5</td>
<td>5</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>GE</td>
<td>8</td>
<td>8</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>HA</td>
<td>6</td>
<td>6</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>HI</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>HL</td>
<td>5</td>
<td>5</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>HR</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ID</td>
<td>5</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IE</td>
<td>7</td>
<td>7</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IN</td>
<td>5</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IS</td>
<td>8</td>
<td>8</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IT</td>
<td>6</td>
<td>6</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>KA</td>
<td>5</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>LA</td>
<td>16</td>
<td>16</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

#### Evaluation Percentages

<table>
<thead>
<tr>
<th></th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AC</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AE</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AG</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AM</td>
<td>67</td>
<td>0</td>
<td>33</td>
</tr>
<tr>
<td>AN</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AR</td>
<td>78</td>
<td>22</td>
<td>0</td>
</tr>
<tr>
<td>AT</td>
<td>71</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>AU</td>
<td>57</td>
<td>43</td>
<td>0</td>
</tr>
<tr>
<td>AW</td>
<td>0</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>BA</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BC</td>
<td>50</td>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td>BE</td>
<td>75</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>BL</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BM</td>
<td>77</td>
<td>23</td>
<td>0</td>
</tr>
<tr>
<td>BN</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BP</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BQ</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>BR</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BS</td>
<td>75</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>BU</td>
<td>67</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>BX</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>CA</td>
<td>0</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>CC</td>
<td>90</td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>CH</td>
<td>71</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>CL</td>
<td>56</td>
<td>33</td>
<td>11</td>
</tr>
<tr>
<td>CP</td>
<td>33</td>
<td>33</td>
<td>33</td>
</tr>
<tr>
<td>CS</td>
<td>0</td>
<td>33</td>
<td>67</td>
</tr>
<tr>
<td>DC</td>
<td>33</td>
<td>0</td>
<td>67</td>
</tr>
<tr>
<td>DE</td>
<td>17</td>
<td>50</td>
<td>33</td>
</tr>
<tr>
<td>EE</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>FG</td>
<td>89</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>EL</td>
<td>71</td>
<td>29</td>
<td>0</td>
</tr>
<tr>
<td>EP</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ES</td>
<td>90</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>ET</td>
<td>86</td>
<td>0</td>
<td>14</td>
</tr>
<tr>
<td>FG</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>FL</td>
<td>83</td>
<td>17</td>
<td>0</td>
</tr>
<tr>
<td>FN</td>
<td>75</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>FS</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>GA</td>
<td>83</td>
<td>17</td>
<td>0</td>
</tr>
<tr>
<td>GE</td>
<td>89</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>HA</td>
<td>75</td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td>HI</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>HL</td>
<td>63</td>
<td>25</td>
<td>13</td>
</tr>
<tr>
<td>HR</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ID</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IE</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IN</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IS</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IT</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>KA</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>LA</td>
<td>89</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>
## Summary of Laboratory Evaluations by Matrix

### Matrix: SO

#### Evaluation Summary

<table>
<thead>
<tr>
<th>Labcode</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>LH</td>
<td>6</td>
<td>2</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>LL</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>LW</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>MA</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>ML</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>NA</td>
<td>7</td>
<td>1</td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>NJ</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>NL</td>
<td>3</td>
<td>1</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>OB</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>OI</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>OL</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>OR</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>OS</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>OT</td>
<td>5</td>
<td>1</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>PB</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>PC</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>PI</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>RE</td>
<td>6</td>
<td>2</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>RF</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>RG</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>RI</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>SC</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>SK</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>SR</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>SS</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>SW</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>TI</td>
<td>5</td>
<td>.1</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>TM</td>
<td>6</td>
<td>2</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>TN</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>TO</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>TY</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>UC</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>UK</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>WA</td>
<td>9</td>
<td>0</td>
<td>0</td>
<td>9</td>
</tr>
<tr>
<td>WC</td>
<td>3</td>
<td>0</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>WN</td>
<td>5</td>
<td>2</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>WP</td>
<td>6</td>
<td>0</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>WS</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>YA</td>
<td>7</td>
<td>2</td>
<td>0</td>
<td>9</td>
</tr>
</tbody>
</table>

#### Evaluation Percentages

<table>
<thead>
<tr>
<th>Total</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>98</td>
<td>79%</td>
<td>12%</td>
<td>8%</td>
</tr>
</tbody>
</table>

**Totals**

<table>
<thead>
<tr>
<th>Labs</th>
<th>451</th>
<th>71</th>
<th>47</th>
<th>569</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>79%</td>
<td>12%</td>
<td>8%</td>
<td>8%</td>
</tr>
</tbody>
</table>
### Summary of Laboratory Evaluations by Matrix

**Matrix: VE**

#### Evaluation Summary

<table>
<thead>
<tr>
<th>Labcode</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>7</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>AC</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>AG</td>
<td>11</td>
<td>2</td>
<td>0</td>
<td>13</td>
<td>85</td>
<td>15</td>
</tr>
<tr>
<td>AM</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>4</td>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td>AN</td>
<td>7</td>
<td>0</td>
<td>7</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AR</td>
<td>2</td>
<td>0</td>
<td>5</td>
<td>7</td>
<td>29</td>
<td>0</td>
</tr>
<tr>
<td>AT</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>6</td>
<td>50</td>
<td>17</td>
</tr>
<tr>
<td>AU</td>
<td>5</td>
<td>1</td>
<td>6</td>
<td>93</td>
<td>17</td>
<td>0</td>
</tr>
<tr>
<td>BA</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>BC</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>BE</td>
<td>4</td>
<td>0</td>
<td>1</td>
<td>5</td>
<td>80</td>
<td>0</td>
</tr>
<tr>
<td>BL</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td>7</td>
<td>57</td>
<td>14</td>
</tr>
<tr>
<td>BM</td>
<td>5</td>
<td>1</td>
<td>2</td>
<td>6</td>
<td>63</td>
<td>13</td>
</tr>
<tr>
<td>BN</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>67</td>
<td>0</td>
</tr>
<tr>
<td>BO</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BR</td>
<td>3</td>
<td>0</td>
<td>3</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BS</td>
<td>2</td>
<td>1</td>
<td>4</td>
<td>50</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>4</td>
<td>1</td>
<td>6</td>
<td>17</td>
<td>67</td>
</tr>
<tr>
<td>BX</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>7</td>
<td>50</td>
<td>33</td>
</tr>
<tr>
<td>CC</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>71</td>
<td>14</td>
</tr>
<tr>
<td>CH</td>
<td>5</td>
<td>0</td>
<td>6</td>
<td>83</td>
<td>0</td>
<td>17</td>
</tr>
<tr>
<td>CL</td>
<td>4</td>
<td>0</td>
<td>7</td>
<td>57</td>
<td>0</td>
<td>43</td>
</tr>
<tr>
<td>CP</td>
<td>4</td>
<td>1</td>
<td>5</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>CS</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>DC</td>
<td>5</td>
<td>1</td>
<td>7</td>
<td>71</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>EB</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>33</td>
<td>67</td>
</tr>
<tr>
<td>EE</td>
<td>5</td>
<td>1</td>
<td>6</td>
<td>83</td>
<td>17</td>
<td>0</td>
</tr>
<tr>
<td>EG</td>
<td>3</td>
<td>1</td>
<td>4</td>
<td>75</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>EL</td>
<td>5</td>
<td>0</td>
<td>5</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>EP</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ES</td>
<td>6</td>
<td>1</td>
<td>7</td>
<td>86</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>ET</td>
<td>3</td>
<td>3</td>
<td>7</td>
<td>43</td>
<td>43</td>
<td>14</td>
</tr>
<tr>
<td>FL</td>
<td>3</td>
<td>1</td>
<td>4</td>
<td>76</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>FN</td>
<td>3</td>
<td>0</td>
<td>3</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>GA</td>
<td>4</td>
<td>1</td>
<td>6</td>
<td>67</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>GE</td>
<td>5</td>
<td>1</td>
<td>7</td>
<td>71</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>50</td>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>50</td>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td>ID</td>
<td>5</td>
<td>0</td>
<td>6</td>
<td>83</td>
<td>0</td>
<td>17</td>
</tr>
<tr>
<td>IE</td>
<td>4</td>
<td>1</td>
<td>5</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>IN</td>
<td>3</td>
<td>0</td>
<td>3</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IS</td>
<td>6</td>
<td>0</td>
<td>6</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IT</td>
<td>6</td>
<td>1</td>
<td>7</td>
<td>66</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>LA</td>
<td>14</td>
<td>4</td>
<td>21</td>
<td>67</td>
<td>19</td>
<td>14</td>
</tr>
<tr>
<td>LB</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>LH</td>
<td>6</td>
<td>0</td>
<td>6</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>LL</td>
<td>4</td>
<td>1</td>
<td>5</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>LW</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>MA</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>ME</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>33</td>
<td>67</td>
</tr>
<tr>
<td>ML</td>
<td>4</td>
<td>1</td>
<td>5</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>NA</td>
<td>4</td>
<td>0</td>
<td>7</td>
<td>57</td>
<td>0</td>
<td>43</td>
</tr>
<tr>
<td>NC</td>
<td>3</td>
<td>0</td>
<td>3</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

36
## Summary of Laboratory Evaluations by Matrix

**Matrix: VE**

<table>
<thead>
<tr>
<th>Labcode</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>NJ</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td></td>
<td></td>
<td>75</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>4</td>
<td>25</td>
<td>50</td>
<td>25</td>
</tr>
<tr>
<td>OR</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td>7</td>
<td>57</td>
<td>14</td>
<td>29</td>
</tr>
<tr>
<td>OS</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>OT</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PB</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PC</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>RE</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>7</td>
<td>71</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>RF</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>RI</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>50</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>SK</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SR</td>
<td>4</td>
<td>2</td>
<td>0</td>
<td>6</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>SS</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>3</td>
<td>33</td>
<td>67</td>
<td>0</td>
</tr>
<tr>
<td>SW</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>4</td>
<td>75</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>TI</td>
<td>6</td>
<td>0</td>
<td>1</td>
<td>7</td>
<td>86</td>
<td>0</td>
<td>14</td>
</tr>
<tr>
<td>TM</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>7</td>
<td>57</td>
<td>29</td>
<td>14</td>
</tr>
<tr>
<td>TN</td>
<td>5</td>
<td>0</td>
<td>1</td>
<td>6</td>
<td>83</td>
<td>0</td>
<td>17</td>
</tr>
<tr>
<td>TO</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>50</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>UC</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>6</td>
<td>0</td>
<td>1</td>
<td>7</td>
<td>86</td>
<td>0</td>
<td>14</td>
</tr>
<tr>
<td>WC</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>67</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>WN</td>
<td>5</td>
<td>2</td>
<td>0</td>
<td>7</td>
<td>71</td>
<td>29</td>
<td>0</td>
</tr>
<tr>
<td>WP</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>6</td>
<td>50</td>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td>YA</td>
<td>5</td>
<td>2</td>
<td>0</td>
<td>7</td>
<td>71</td>
<td>29</td>
<td>0</td>
</tr>
</tbody>
</table>

**Totals**

- 79 Labs
- 290 Analyses
- 65 Analyses
- 54 Analyses
- 409 Analyses

<table>
<thead>
<tr>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>71%</td>
<td>16%</td>
<td>13%</td>
</tr>
</tbody>
</table>

37
### Summary of Laboratory Evaluations by Matrix

**Matrix: WA**

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>%A</td>
<td>%W</td>
</tr>
<tr>
<td>AA</td>
<td>15</td>
<td>7</td>
</tr>
<tr>
<td>AC</td>
<td>5</td>
<td>71</td>
</tr>
<tr>
<td>AE</td>
<td>6</td>
<td>88</td>
</tr>
<tr>
<td>AG</td>
<td>15</td>
<td>63</td>
</tr>
<tr>
<td>AM</td>
<td>7</td>
<td>13</td>
</tr>
<tr>
<td>AN</td>
<td>7</td>
<td>58</td>
</tr>
<tr>
<td>AR</td>
<td>7</td>
<td>58</td>
</tr>
<tr>
<td>AT</td>
<td>3</td>
<td>38</td>
</tr>
<tr>
<td>AU</td>
<td>8</td>
<td>89</td>
</tr>
<tr>
<td>AW</td>
<td>4</td>
<td>67</td>
</tr>
<tr>
<td>BA</td>
<td>3</td>
<td>60</td>
</tr>
<tr>
<td>BC</td>
<td>3</td>
<td>60</td>
</tr>
<tr>
<td>BE</td>
<td>11</td>
<td>100</td>
</tr>
<tr>
<td>BK</td>
<td>2</td>
<td>50</td>
</tr>
<tr>
<td>BL</td>
<td>13</td>
<td>65</td>
</tr>
<tr>
<td>BM</td>
<td>8</td>
<td>80</td>
</tr>
<tr>
<td>BN</td>
<td>4</td>
<td>67</td>
</tr>
<tr>
<td>BD</td>
<td>3</td>
<td>75</td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td>BS</td>
<td>5</td>
<td>100</td>
</tr>
<tr>
<td>BU</td>
<td>3</td>
<td>25</td>
</tr>
<tr>
<td>BX</td>
<td>7</td>
<td>58</td>
</tr>
<tr>
<td>CA</td>
<td>3</td>
<td>43</td>
</tr>
<tr>
<td>CC</td>
<td>11</td>
<td>85</td>
</tr>
<tr>
<td>CH</td>
<td>9</td>
<td>82</td>
</tr>
<tr>
<td>CL</td>
<td>2</td>
<td>20</td>
</tr>
<tr>
<td>CP</td>
<td>6</td>
<td>67</td>
</tr>
<tr>
<td>CS</td>
<td>4</td>
<td>80</td>
</tr>
<tr>
<td>DC</td>
<td>3</td>
<td>38</td>
</tr>
<tr>
<td>EB</td>
<td>2</td>
<td>40</td>
</tr>
<tr>
<td>EE</td>
<td>6</td>
<td>67</td>
</tr>
<tr>
<td>EG</td>
<td>12</td>
<td>92</td>
</tr>
<tr>
<td>EL</td>
<td>3</td>
<td>30</td>
</tr>
<tr>
<td>EP</td>
<td>2</td>
<td>33</td>
</tr>
<tr>
<td>ES</td>
<td>10</td>
<td>77</td>
</tr>
<tr>
<td>ET</td>
<td>6</td>
<td>55</td>
</tr>
<tr>
<td>FG</td>
<td>3</td>
<td>30</td>
</tr>
<tr>
<td>FL</td>
<td>6</td>
<td>67</td>
</tr>
<tr>
<td>FM</td>
<td>4</td>
<td>100</td>
</tr>
<tr>
<td>FN</td>
<td>5</td>
<td>100</td>
</tr>
<tr>
<td>GA</td>
<td>7</td>
<td>70</td>
</tr>
<tr>
<td>GE</td>
<td>5</td>
<td>38</td>
</tr>
<tr>
<td>GS</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td>HA</td>
<td>6</td>
<td>46</td>
</tr>
<tr>
<td>HC</td>
<td>2</td>
<td>67</td>
</tr>
<tr>
<td>HI</td>
<td>7</td>
<td>64</td>
</tr>
<tr>
<td>HL</td>
<td>4</td>
<td>44</td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td>ID</td>
<td>2</td>
<td>40</td>
</tr>
<tr>
<td>IE</td>
<td>9</td>
<td>90</td>
</tr>
<tr>
<td>IN</td>
<td>6</td>
<td>67</td>
</tr>
<tr>
<td>IR</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td>IS</td>
<td>4</td>
<td>36</td>
</tr>
</tbody>
</table>

38
<table>
<thead>
<tr>
<th>Labcode</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT</td>
<td>5</td>
<td>5</td>
<td>0</td>
<td>10</td>
<td>50</td>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td>KA</td>
<td>7</td>
<td>3</td>
<td>0</td>
<td>10</td>
<td>70</td>
<td>30</td>
<td>0</td>
</tr>
<tr>
<td>LA</td>
<td>16</td>
<td>11</td>
<td>3</td>
<td>30</td>
<td>53</td>
<td>37</td>
<td>10</td>
</tr>
<tr>
<td>LB</td>
<td>2</td>
<td>5</td>
<td>1</td>
<td>8</td>
<td>25</td>
<td>63</td>
<td>13</td>
</tr>
<tr>
<td>LH</td>
<td>6</td>
<td>2</td>
<td>2</td>
<td>12</td>
<td>67</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>LL</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>LM</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>0</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>LW</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>5</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>ME</td>
<td>5</td>
<td>2</td>
<td>2</td>
<td>10</td>
<td>60</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>ML</td>
<td>4</td>
<td>2</td>
<td>0</td>
<td>6</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>NA</td>
<td>8</td>
<td>2</td>
<td>0</td>
<td>10</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>NC</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>4</td>
<td>75</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>NJ</td>
<td>11</td>
<td>2</td>
<td>0</td>
<td>13</td>
<td>85</td>
<td>15</td>
<td>0</td>
</tr>
<tr>
<td>NL</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>5</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>NY</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>OB</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>4</td>
<td>50</td>
<td>0</td>
<td>50</td>
</tr>
<tr>
<td>OD</td>
<td>8</td>
<td>2</td>
<td>0</td>
<td>10</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>OL</td>
<td>3</td>
<td>2</td>
<td>0</td>
<td>5</td>
<td>60</td>
<td>40</td>
<td>0</td>
</tr>
<tr>
<td>OR</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>4</td>
<td>75</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>OS</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>5</td>
<td>80</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>OT</td>
<td>9</td>
<td>0</td>
<td>1</td>
<td>10</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PA</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>7</td>
<td>85</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>PB</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>67</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>PC</td>
<td>9</td>
<td>0</td>
<td>0</td>
<td>9</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PI</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PR</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>RE</td>
<td>9</td>
<td>0</td>
<td>0</td>
<td>9</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>RF</td>
<td>4</td>
<td>0</td>
<td>4</td>
<td>8</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>RG</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>7</td>
<td>75</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>RI</td>
<td>6</td>
<td>2</td>
<td>0</td>
<td>8</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SA</td>
<td>4</td>
<td>0</td>
<td>4</td>
<td>10</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SC</td>
<td>7</td>
<td>3</td>
<td>0</td>
<td>10</td>
<td>70</td>
<td>30</td>
<td>0</td>
</tr>
<tr>
<td>SK</td>
<td>9</td>
<td>1</td>
<td>0</td>
<td>10</td>
<td>90</td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>SR</td>
<td>9</td>
<td>3</td>
<td>0</td>
<td>12</td>
<td>75</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>SV</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>50</td>
<td>0</td>
<td>50</td>
</tr>
<tr>
<td>SW</td>
<td>4</td>
<td>1</td>
<td>4</td>
<td>9</td>
<td>44</td>
<td>11</td>
<td>44</td>
</tr>
<tr>
<td>TI</td>
<td>5</td>
<td>8</td>
<td>0</td>
<td>13</td>
<td>38</td>
<td>62</td>
<td>0</td>
</tr>
<tr>
<td>TM</td>
<td>7</td>
<td>2</td>
<td>0</td>
<td>9</td>
<td>78</td>
<td>22</td>
<td>0</td>
</tr>
<tr>
<td>TN</td>
<td>11</td>
<td>1</td>
<td>0</td>
<td>12</td>
<td>92</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>TO</td>
<td>7</td>
<td>2</td>
<td>2</td>
<td>11</td>
<td>64</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>UC</td>
<td>5</td>
<td>1</td>
<td>0</td>
<td>6</td>
<td>83</td>
<td>17</td>
<td>0</td>
</tr>
<tr>
<td>UK</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>6</td>
<td>33</td>
<td>50</td>
<td>17</td>
</tr>
<tr>
<td>UP</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>8</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>UY</td>
<td>2</td>
<td>7</td>
<td>0</td>
<td>9</td>
<td>22</td>
<td>78</td>
<td>0</td>
</tr>
<tr>
<td>WA</td>
<td>10</td>
<td>2</td>
<td>1</td>
<td>13</td>
<td>77</td>
<td>15</td>
<td>8</td>
</tr>
<tr>
<td>WC</td>
<td>4</td>
<td>6</td>
<td>0</td>
<td>10</td>
<td>40</td>
<td>60</td>
<td>0</td>
</tr>
<tr>
<td>WI</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WN</td>
<td>5</td>
<td>5</td>
<td>0</td>
<td>10</td>
<td>50</td>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td>WP</td>
<td>7</td>
<td>1</td>
<td>0</td>
<td>8</td>
<td>88</td>
<td>13</td>
<td>0</td>
</tr>
<tr>
<td>WV</td>
<td>5</td>
<td>1</td>
<td>2</td>
<td>8</td>
<td>63</td>
<td>13</td>
<td>25</td>
</tr>
</tbody>
</table>
### Summary of Laboratory Evaluations by Matrix

**Matrix: WA**

<table>
<thead>
<tr>
<th>Labcode</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>YA</td>
<td>9</td>
<td>3</td>
<td>1</td>
<td>13</td>
<td>69</td>
<td>23</td>
<td>8</td>
</tr>
<tr>
<td>Totals</td>
<td>590</td>
<td>226</td>
<td>84</td>
<td>900</td>
<td>66%</td>
<td>25%</td>
<td>9%</td>
</tr>
</tbody>
</table>

---

40
### Summary of Matrix Evaluations by Radionuclide

**Matrix: AI**

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM241</td>
<td>44</td>
<td>8</td>
<td>7</td>
<td>59</td>
<td>%A: 75 %W: 14 %N: 12</td>
</tr>
<tr>
<td>CE144</td>
<td>26</td>
<td>41</td>
<td>12</td>
<td>79</td>
<td>%A: 33 %W: 52 %N: 15</td>
</tr>
<tr>
<td>Co 57</td>
<td>33</td>
<td>39</td>
<td>7</td>
<td>79</td>
<td>%A: 42 %W: 49 %N: 9</td>
</tr>
<tr>
<td>Co 60</td>
<td>43</td>
<td>31</td>
<td>8</td>
<td>82</td>
<td>%A: 52 %W: 38 %N: 10</td>
</tr>
<tr>
<td>Cs134</td>
<td>68</td>
<td>8</td>
<td>7</td>
<td>83</td>
<td>%A: 82 %W: 10 %N: 8</td>
</tr>
<tr>
<td>Cs137</td>
<td>49</td>
<td>28</td>
<td>7</td>
<td>84</td>
<td>%A: 58 %W: 33 %N: 8</td>
</tr>
<tr>
<td>GA</td>
<td>33</td>
<td>16</td>
<td>6</td>
<td>55</td>
<td>%A: 60 %W: 29 %N: 11</td>
</tr>
<tr>
<td>GB</td>
<td>28</td>
<td>19</td>
<td>8</td>
<td>55</td>
<td>%A: 51 %W: 35 %N: 15</td>
</tr>
<tr>
<td>Mn 54</td>
<td>47</td>
<td>28</td>
<td>6</td>
<td>81</td>
<td>%A: 56 %W: 35 %N: 7</td>
</tr>
<tr>
<td>Pu239</td>
<td>47</td>
<td>5</td>
<td>1</td>
<td>53</td>
<td>%A: 80 %W: 8 %N: 2</td>
</tr>
<tr>
<td>Pu239</td>
<td>47</td>
<td>5</td>
<td>1</td>
<td>53</td>
<td>%A: 80 %W: 8 %N: 2</td>
</tr>
<tr>
<td>SB125</td>
<td>59</td>
<td>12</td>
<td>4</td>
<td>75</td>
<td>%A: 73 %W: 15 %N: 6</td>
</tr>
<tr>
<td>Sr 90</td>
<td>40</td>
<td>3</td>
<td>4</td>
<td>47</td>
<td>%A: 80 %W: 8 %N: 2</td>
</tr>
<tr>
<td>U 234</td>
<td>17</td>
<td>7</td>
<td>8</td>
<td>32</td>
<td>%A: 70 %W: 20 %N: 9</td>
</tr>
<tr>
<td>U 235</td>
<td>5</td>
<td>3</td>
<td>0</td>
<td>8</td>
<td>%A: 63 %W: 38 %N: 0</td>
</tr>
<tr>
<td>U 238</td>
<td>2</td>
<td>2</td>
<td>23</td>
<td>27</td>
<td>%A: 7 %W: 7 %N: 85</td>
</tr>
<tr>
<td>U 80</td>
<td>5</td>
<td>3</td>
<td>6</td>
<td>14</td>
<td>%A: 36 %W: 21 %N: 43</td>
</tr>
<tr>
<td>U 84</td>
<td>5</td>
<td>3</td>
<td>4</td>
<td>12</td>
<td>%A: 42 %W: 25 %N: 33</td>
</tr>
</tbody>
</table>

**Totals** 591 265 127 983 || 60% 27% 13%
# Summary of Matrix Evaluations by Radionuclide

## Matrix: SO

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>%A</td>
<td>%W</td>
</tr>
<tr>
<td>AM241</td>
<td>55</td>
<td>75</td>
</tr>
<tr>
<td>CS137</td>
<td>90</td>
<td>89</td>
</tr>
<tr>
<td>K40</td>
<td>85</td>
<td>84</td>
</tr>
<tr>
<td>PU238</td>
<td>69</td>
<td>81</td>
</tr>
<tr>
<td>PU239</td>
<td>74</td>
<td>77</td>
</tr>
<tr>
<td>SR 90</td>
<td>46</td>
<td>70</td>
</tr>
<tr>
<td>U 234</td>
<td>50</td>
<td>70</td>
</tr>
<tr>
<td>U 235</td>
<td>9</td>
<td>56</td>
</tr>
<tr>
<td>U 238</td>
<td>54</td>
<td>78</td>
</tr>
<tr>
<td>U BG</td>
<td>23</td>
<td>83</td>
</tr>
<tr>
<td>U UG</td>
<td>14</td>
<td>93</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>569</strong></td>
<td><strong>79%</strong></td>
</tr>
</tbody>
</table>
### Summary of Matrix Evaluations by Radionuclide

**Matrix: VE**

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Evaluation Summary</th>
<th>Total Analyses</th>
<th>Evaluation Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>AM241</td>
<td>31</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>Co 60</td>
<td>41</td>
<td>17</td>
<td>12</td>
</tr>
<tr>
<td>Cs137</td>
<td>62</td>
<td>10</td>
<td>4</td>
</tr>
<tr>
<td>K 40</td>
<td>58</td>
<td>11</td>
<td>4</td>
</tr>
<tr>
<td>Pu238</td>
<td>12</td>
<td>7</td>
<td>22</td>
</tr>
<tr>
<td>Pu239</td>
<td>48</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Sr 90</td>
<td>38</td>
<td>9</td>
<td>4</td>
</tr>
</tbody>
</table>

Totals: 290 65 54 409 71% 16% 13%
### Summary of Matrix Evaluations by Radionuclide

#### Matrix: WA

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>A</th>
<th>W</th>
<th>N</th>
<th>Total Analyses</th>
<th>%A</th>
<th>%W</th>
<th>%N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM241</td>
<td>48</td>
<td>16</td>
<td>9</td>
<td>73</td>
<td>66</td>
<td>22</td>
<td>12</td>
</tr>
<tr>
<td>CO 60</td>
<td>63</td>
<td>25</td>
<td>9</td>
<td>96</td>
<td>66</td>
<td>26</td>
<td>8</td>
</tr>
<tr>
<td>CS134</td>
<td>79</td>
<td>8</td>
<td>6</td>
<td>93</td>
<td>85</td>
<td>9</td>
<td>6</td>
</tr>
<tr>
<td>CS137</td>
<td>63</td>
<td>33</td>
<td>4</td>
<td>100</td>
<td>63</td>
<td>33</td>
<td>4</td>
</tr>
<tr>
<td>FE 55</td>
<td>8</td>
<td>5</td>
<td>3</td>
<td>16</td>
<td>50</td>
<td>31</td>
<td>19</td>
</tr>
<tr>
<td>GA</td>
<td>40</td>
<td>17</td>
<td>3</td>
<td>60</td>
<td>67</td>
<td>28</td>
<td>5</td>
</tr>
<tr>
<td>GB</td>
<td>30</td>
<td>22</td>
<td>7</td>
<td>59</td>
<td>51</td>
<td>37</td>
<td>12</td>
</tr>
<tr>
<td>H3</td>
<td>49</td>
<td>26</td>
<td>6</td>
<td>81</td>
<td>60</td>
<td>32</td>
<td>7</td>
</tr>
<tr>
<td>MN 54</td>
<td>64</td>
<td>23</td>
<td>7</td>
<td>94</td>
<td>68</td>
<td>24</td>
<td>7</td>
</tr>
<tr>
<td>PU239</td>
<td>46</td>
<td>18</td>
<td>12</td>
<td>76</td>
<td>61</td>
<td>24</td>
<td>16</td>
</tr>
<tr>
<td>SR 90</td>
<td>41</td>
<td>17</td>
<td>3</td>
<td>61</td>
<td>67</td>
<td>28</td>
<td>5</td>
</tr>
<tr>
<td>U 234</td>
<td>31</td>
<td>9</td>
<td>6</td>
<td>46</td>
<td>67</td>
<td>20</td>
<td>13</td>
</tr>
<tr>
<td>U 235</td>
<td>6</td>
<td>7</td>
<td>1</td>
<td>14</td>
<td>43</td>
<td>50</td>
<td>7</td>
</tr>
<tr>
<td>U BQ</td>
<td>15</td>
<td>0</td>
<td>4</td>
<td>19</td>
<td>79</td>
<td>0</td>
<td>21</td>
</tr>
<tr>
<td>U UG</td>
<td>7</td>
<td>0</td>
<td>5</td>
<td>12</td>
<td>58</td>
<td>0</td>
<td>42</td>
</tr>
</tbody>
</table>

| Totals        | 590| 226| 84 | 900 | 66%| 25%| 9% |
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported Value</th>
<th>EML</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.177</td>
<td>0.003</td>
<td>0.177</td>
<td>0.003</td>
<td>1.00</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE444</td>
<td>91.200</td>
<td>0.912</td>
<td>91.200</td>
<td>0.912</td>
<td>1.00</td>
<td>0.01</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>12.700</td>
<td>0.127</td>
<td>12.700</td>
<td>0.127</td>
<td>1.00</td>
<td>0.01</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.760</td>
<td>0.376</td>
<td>3.760</td>
<td>0.376</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.750</td>
<td>0.576</td>
<td>5.750</td>
<td>0.576</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.280</td>
<td>0.528</td>
<td>5.280</td>
<td>0.528</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.220</td>
<td>0.240</td>
<td>3.220</td>
<td>0.240</td>
<td>1.00</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.850</td>
<td>0.139</td>
<td>1.850</td>
<td>0.139</td>
<td>1.00</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.710</td>
<td>0.470</td>
<td>4.710</td>
<td>0.470</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.122</td>
<td>0.004</td>
<td>0.122</td>
<td>0.004</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.062</td>
<td>0.002</td>
<td>0.062</td>
<td>0.002</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>9.420</td>
<td>0.942</td>
<td>9.420</td>
<td>0.942</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.739</td>
<td>0.054</td>
<td>0.739</td>
<td>0.054</td>
<td>1.00</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.059</td>
<td>0.002</td>
<td>0.059</td>
<td>0.002</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.030</td>
<td>0.009</td>
<td>0.030</td>
<td>0.009</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.002</td>
<td>0.000</td>
<td>0.002</td>
<td>0.000</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>0.091</td>
<td>0.005</td>
<td>0.091</td>
<td>0.005</td>
<td>1.00</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.538</td>
<td>0.021</td>
<td>0.538</td>
<td>0.021</td>
<td>1.00</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

### Matrix: SO

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported Value</th>
<th>EML</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.200</td>
<td>0.754</td>
<td>3.200</td>
<td>0.754</td>
<td>1.00</td>
<td>0.33</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>266.000</td>
<td>3.560</td>
<td>266.000</td>
<td>3.560</td>
<td>1.00</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>384.000</td>
<td>27.800</td>
<td>384.000</td>
<td>27.800</td>
<td>1.00</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>32.000</td>
<td>0.567</td>
<td>32.000</td>
<td>0.567</td>
<td>1.00</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>6.760</td>
<td>0.440</td>
<td>6.760</td>
<td>0.440</td>
<td>1.00</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>11.300</td>
<td>1.500</td>
<td>11.300</td>
<td>1.500</td>
<td>1.00</td>
<td>0.19</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>30.300</td>
<td>1.790</td>
<td>30.300</td>
<td>1.790</td>
<td>1.00</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>1.590</td>
<td>0.075</td>
<td>1.590</td>
<td>0.075</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>31.600</td>
<td>1.270</td>
<td>31.600</td>
<td>1.270</td>
<td>1.00</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>63.400</td>
<td>3.200</td>
<td>63.400</td>
<td>3.200</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>2.500</td>
<td>0.130</td>
<td>2.500</td>
<td>0.130</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

### Matrix: VE

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported Value</th>
<th>EML</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.702</td>
<td>0.048</td>
<td>0.702</td>
<td>0.048</td>
<td>1.00</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>9.600</td>
<td>1.700</td>
<td>9.600</td>
<td>1.700</td>
<td>1.00</td>
<td>0.25</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>117.000</td>
<td>3.270</td>
<td>117.000</td>
<td>3.270</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>1030.000</td>
<td>8.160</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.00</td>
<td>0.01</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>0.089</td>
<td>0.019</td>
<td>0.089</td>
<td>0.019</td>
<td>1.00</td>
<td>0.31</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>1.120</td>
<td>0.159</td>
<td>1.120</td>
<td>0.159</td>
<td>1.00</td>
<td>0.20</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>512.000</td>
<td>52.500</td>
<td>512.000</td>
<td>52.500</td>
<td>1.00</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

### Matrix: WA

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported Value</th>
<th>EML</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.330</td>
<td>0.073</td>
<td>1.330</td>
<td>0.073</td>
<td>1.00</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>196.000</td>
<td>3.490</td>
<td>196.000</td>
<td>3.490</td>
<td>1.00</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CS134</td>
<td>83.500</td>
<td>1.800</td>
<td>83.500</td>
<td>1.800</td>
<td>1.00</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>76.800</td>
<td>2.280</td>
<td>76.800</td>
<td>2.280</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>FE 55</td>
<td>119.000</td>
<td>5.820</td>
<td>119.000</td>
<td>5.820</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1340.000</td>
<td>40.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>653.000</td>
<td>19.300</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>60.300</td>
<td>2.310</td>
<td>60.300</td>
<td>2.310</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>43.500</td>
<td>2.060</td>
<td>43.500</td>
<td>2.060</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.591</td>
<td>0.047</td>
<td>0.591</td>
<td>0.047</td>
<td>1.00</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.400</td>
<td>0.225</td>
<td>2.400</td>
<td>0.225</td>
<td>1.00</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.373</td>
<td>0.013</td>
<td>0.373</td>
<td>0.013</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.196</td>
<td>0.006</td>
<td>0.196</td>
<td>0.006</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U Bq</td>
<td>0.568</td>
<td>0.028</td>
<td>0.568</td>
<td>0.028</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.003</td>
<td>0.000</td>
<td>0.003</td>
<td>0.000</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: $A1 = \text{Bq/filter}$, $SO = \text{Bq/kg}$, $VE = \text{Bq/kg}$, $WA = \text{Bq/L}$. Values for elemental uranium are reported in $\mu g/\text{filter}$, g, or mL.
Evaluation: $A = \text{Acceptable}$, $W = \text{Acceptable with Warning}$, $N = \text{Not Acceptable}$.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML Value</th>
<th>EML Error</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.186</td>
<td>0.012</td>
<td>0.177</td>
<td>0.003</td>
<td>1.05</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.480</td>
<td>0.240</td>
<td>5.750</td>
<td>0.575</td>
<td>0.95</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.700</td>
<td>0.260</td>
<td>5.280</td>
<td>0.528</td>
<td>0.89</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MNI34</td>
<td>3.770</td>
<td>0.200</td>
<td>4.710</td>
<td>0.470</td>
<td>0.80</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.115</td>
<td>0.009</td>
<td>0.122</td>
<td>0.004</td>
<td>0.94</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>0.790</td>
<td>0.010</td>
<td>0.739</td>
<td>0.054</td>
<td>1.07</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.000</td>
<td>0.700</td>
<td>3.200</td>
<td>0.754</td>
<td>0.94</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>333.000</td>
<td>3.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.25</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>447.000</td>
<td>13.000</td>
<td>384.000</td>
<td>27.600</td>
<td>1.16</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>33.700</td>
<td>3.300</td>
<td>32.000</td>
<td>0.567</td>
<td>1.05</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SRI90</td>
<td>7.800</td>
<td>1.100</td>
<td>6.760</td>
<td>0.440</td>
<td>1.16</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.740</td>
<td>0.190</td>
<td>0.702</td>
<td>0.048</td>
<td>1.05</td>
<td>0.28</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>134.000</td>
<td>2.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.15</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1140.000</td>
<td>26.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.11</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SRI90</td>
<td>500.000</td>
<td>6.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.98</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.400</td>
<td>0.130</td>
<td>1.330</td>
<td>0.073</td>
<td>1.05</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>95.500</td>
<td>1.700</td>
<td>83.500</td>
<td>1.800</td>
<td>1.14</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>52.100</td>
<td>0.700</td>
<td>43.500</td>
<td>2.060</td>
<td>1.20</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SRI90</td>
<td>2.500</td>
<td>0.120</td>
<td>2.400</td>
<td>0.225</td>
<td>1.04</td>
<td>0.11</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.380</td>
<td>0.320</td>
<td>3.200</td>
<td>0.754</td>
<td>0.74</td>
<td>0.20</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>284.000</td>
<td>16.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.07</td>
<td>0.06</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>326.000</td>
<td>50.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.85</td>
<td>0.14</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>32.800</td>
<td>1.900</td>
<td>32.000</td>
<td>0.567</td>
<td>1.03</td>
<td>0.06</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>6.700</td>
<td>0.800</td>
<td>6.760</td>
<td>0.440</td>
<td>0.99</td>
<td>0.14</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>24.600</td>
<td>1.300</td>
<td>30.300</td>
<td>1.790</td>
<td>0.81</td>
<td>0.06</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>25.800</td>
<td>1.300</td>
<td>31.600</td>
<td>1.270</td>
<td>0.82</td>
<td>0.05</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.140</td>
<td>0.050</td>
<td>1.330</td>
<td>0.073</td>
<td>0.86</td>
<td>0.06</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>207.000</td>
<td>8.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.06</td>
<td>0.04</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>99.000</td>
<td>8.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.19</td>
<td>0.10</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>84.000</td>
<td>5.700</td>
<td>76.800</td>
<td>2.280</td>
<td>1.09</td>
<td>0.08</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>56.300</td>
<td>8.200</td>
<td>60.300</td>
<td>2.310</td>
<td>0.92</td>
<td>0.14</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>44.300</td>
<td>3.700</td>
<td>43.500</td>
<td>2.060</td>
<td>1.02</td>
<td>0.10</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.380</td>
<td>0.050</td>
<td>0.373</td>
<td>0.013</td>
<td>1.02</td>
<td>0.14</td>
<td>A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in pg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.156</td>
<td>0.010</td>
<td>0.177</td>
<td>0.003</td>
<td>0.88</td>
<td>0.06</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>AM241</td>
<td>0.156</td>
<td>0.016</td>
<td>0.177</td>
<td>0.003</td>
<td>0.88</td>
<td>0.09</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>68.800</td>
<td>8.800</td>
<td>91.200</td>
<td>0.912</td>
<td>0.75</td>
<td>0.07</td>
<td></td>
<td></td>
<td>W</td>
</tr>
<tr>
<td>2</td>
<td>CE144</td>
<td>68.800</td>
<td>6.900</td>
<td>91.200</td>
<td>0.912</td>
<td>0.75</td>
<td>0.08</td>
<td></td>
<td></td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Co 57</td>
<td>8.760</td>
<td>0.880</td>
<td>12.700</td>
<td>0.127</td>
<td>0.88</td>
<td>0.09</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Co 60</td>
<td>2.840</td>
<td>0.280</td>
<td>3.760</td>
<td>0.376</td>
<td>0.78</td>
<td>0.11</td>
<td></td>
<td></td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Cs134</td>
<td>4.880</td>
<td>0.500</td>
<td>5.750</td>
<td>0.575</td>
<td>0.87</td>
<td>0.12</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Cs137</td>
<td>4.330</td>
<td>0.430</td>
<td>5.280</td>
<td>0.528</td>
<td>0.82</td>
<td>0.12</td>
<td></td>
<td></td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Ga</td>
<td>3.880</td>
<td>0.400</td>
<td>4.220</td>
<td>0.240</td>
<td>1.14</td>
<td>0.15</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>G8</td>
<td>2.360</td>
<td>0.240</td>
<td>1.850</td>
<td>0.139</td>
<td>1.28</td>
<td>0.16</td>
<td></td>
<td></td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>3.840</td>
<td>0.360</td>
<td>4.710</td>
<td>0.470</td>
<td>0.77</td>
<td>0.11</td>
<td></td>
<td></td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Pu238</td>
<td>0.104</td>
<td>0.010</td>
<td>0.122</td>
<td>0.004</td>
<td>0.85</td>
<td>0.09</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.060</td>
<td>0.006</td>
<td>0.062</td>
<td>0.002</td>
<td>0.96</td>
<td>0.10</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>0.737</td>
<td>0.035</td>
<td>0.739</td>
<td>0.054</td>
<td>1.00</td>
<td>0.09</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>0.737</td>
<td>0.074</td>
<td>0.739</td>
<td>0.054</td>
<td>1.00</td>
<td>0.12</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>0.737</td>
<td>0.074</td>
<td>0.739</td>
<td>0.054</td>
<td>1.00</td>
<td>0.12</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>0.737</td>
<td>0.035</td>
<td>0.739</td>
<td>0.054</td>
<td>1.00</td>
<td>0.12</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>0.737</td>
<td>0.074</td>
<td>0.739</td>
<td>0.054</td>
<td>1.00</td>
<td>0.12</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.104</td>
<td>0.010</td>
<td>0.059</td>
<td>0.002</td>
<td>1.76</td>
<td>0.18</td>
<td></td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.045</td>
<td>0.005</td>
<td>0.002</td>
<td>0.000</td>
<td>22.50</td>
<td>3.36</td>
<td></td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.570</td>
<td>0.050</td>
<td>0.538</td>
<td>0.021</td>
<td>1.06</td>
<td>0.10</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>U UG</td>
<td>0.570</td>
<td>0.030</td>
<td>0.538</td>
<td>0.021</td>
<td>1.06</td>
<td>0.07</td>
<td></td>
<td></td>
<td>A</td>
</tr>
</tbody>
</table>

### Matrix: SO

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cs137</td>
<td>272.000</td>
<td>9.000</td>
<td>266.000</td>
<td>3.580</td>
<td>1.02</td>
<td>0.10</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Cs137</td>
<td>272.000</td>
<td>27.000</td>
<td>266.000</td>
<td>3.580</td>
<td>1.02</td>
<td>0.10</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>395.000</td>
<td>28.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.03</td>
<td>0.10</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>K 40</td>
<td>395.000</td>
<td>39.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.03</td>
<td>0.13</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu238</td>
<td>32.500</td>
<td>2.500</td>
<td>32.000</td>
<td>0.567</td>
<td>1.02</td>
<td>0.08</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Pu238</td>
<td>32.500</td>
<td>3.200</td>
<td>32.000</td>
<td>0.567</td>
<td>1.02</td>
<td>0.10</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>7.300</td>
<td>0.400</td>
<td>6.760</td>
<td>0.440</td>
<td>1.08</td>
<td>0.09</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Pu239</td>
<td>7.300</td>
<td>0.730</td>
<td>6.760</td>
<td>0.440</td>
<td>1.08</td>
<td>0.13</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>16.000</td>
<td>1.800</td>
<td>11.300</td>
<td>1.500</td>
<td>1.50</td>
<td>0.26</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>25.400</td>
<td>2.500</td>
<td>30.300</td>
<td>1.790</td>
<td>0.84</td>
<td>0.10</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>25.500</td>
<td>2.500</td>
<td>31.600</td>
<td>1.270</td>
<td>0.81</td>
<td>0.09</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>2.040</td>
<td>0.040</td>
<td>2.500</td>
<td>0.130</td>
<td>0.82</td>
<td>0.05</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>U UG</td>
<td>2.040</td>
<td>0.050</td>
<td>2.500</td>
<td>0.130</td>
<td>0.82</td>
<td>0.05</td>
<td></td>
<td></td>
<td>A</td>
</tr>
</tbody>
</table>

### Matrix: VE

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.661</td>
<td>0.053</td>
<td>0.702</td>
<td>0.048</td>
<td>0.94</td>
<td>0.10</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>AM241</td>
<td>0.661</td>
<td>0.066</td>
<td>0.702</td>
<td>0.048</td>
<td>0.94</td>
<td>0.11</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>8.620</td>
<td>0.800</td>
<td>9.600</td>
<td>1.700</td>
<td>0.90</td>
<td>0.18</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Co 60</td>
<td>8.620</td>
<td>0.860</td>
<td>9.600</td>
<td>1.700</td>
<td>0.90</td>
<td>0.18</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Cs137</td>
<td>129.000</td>
<td>8.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.10</td>
<td>0.08</td>
<td></td>
<td></td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: Al= Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>CS137</td>
<td>129.000</td>
<td>13.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.10</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1150.000</td>
<td>97.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.12</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>K 40</td>
<td>1150.000</td>
<td>120.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.12</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu238</td>
<td>0.109</td>
<td>0.012</td>
<td>0.089</td>
<td>0.019</td>
<td>1.23</td>
<td>0.30</td>
<td>W</td>
</tr>
<tr>
<td>2</td>
<td>Pu238</td>
<td>0.109</td>
<td>0.011</td>
<td>0.089</td>
<td>0.019</td>
<td>1.23</td>
<td>0.30</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>1.060</td>
<td>0.060</td>
<td>1.120</td>
<td>0.159</td>
<td>0.95</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Pu239</td>
<td>1.060</td>
<td>0.110</td>
<td>1.120</td>
<td>0.159</td>
<td>0.95</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>437.000</td>
<td>32.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.85</td>
<td>0.11</td>
<td>A</td>
</tr>
</tbody>
</table>

Matrix: WA

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.460</td>
<td>0.070</td>
<td>1.330</td>
<td>0.073</td>
<td>1.10</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>AM241</td>
<td>1.460</td>
<td>0.150</td>
<td>1.330</td>
<td>0.073</td>
<td>1.10</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>202.000</td>
<td>15.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.03</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>CO 60</td>
<td>202.000</td>
<td>20.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.03</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>109.000</td>
<td>3.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.31</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>CS134</td>
<td>109.000</td>
<td>11.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.31</td>
<td>0.14</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>109.000</td>
<td>3.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.42</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>2</td>
<td>CS137</td>
<td>87.700</td>
<td>2.400</td>
<td>76.800</td>
<td>2.280</td>
<td>1.14</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Fe 55</td>
<td>151.000</td>
<td>15.000</td>
<td>119.000</td>
<td>5.820</td>
<td>1.27</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Ga</td>
<td>1420.000</td>
<td>142.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.06</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>907.000</td>
<td>91.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.39</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>43.500</td>
<td>6.900</td>
<td>60.300</td>
<td>2.310</td>
<td>0.72</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>2</td>
<td>H 3</td>
<td>43.100</td>
<td>4.300</td>
<td>60.300</td>
<td>2.310</td>
<td>0.72</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>48.700</td>
<td>1.500</td>
<td>43.500</td>
<td>2.060</td>
<td>1.12</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Mn 54</td>
<td>48.700</td>
<td>4.900</td>
<td>43.500</td>
<td>2.060</td>
<td>1.12</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.880</td>
<td>0.040</td>
<td>0.591</td>
<td>0.047</td>
<td>1.15</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Pu239</td>
<td>0.680</td>
<td>0.070</td>
<td>0.591</td>
<td>0.047</td>
<td>1.15</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>2.770</td>
<td>0.170</td>
<td>2.400</td>
<td>0.225</td>
<td>1.16</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Sr 90</td>
<td>2.770</td>
<td>0.280</td>
<td>2.400</td>
<td>0.225</td>
<td>1.16</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.417</td>
<td>0.042</td>
<td>0.373</td>
<td>0.013</td>
<td>1.12</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.003</td>
<td>0.000</td>
<td>0.003</td>
<td>0.000</td>
<td>1.29</td>
<td>0.13</td>
<td>N</td>
</tr>
<tr>
<td>2</td>
<td>U UG</td>
<td>0.003</td>
<td>0.000</td>
<td>0.003</td>
<td>0.000</td>
<td>1.29</td>
<td>0.10</td>
<td>N</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Labcode: AM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Matrix: AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.360</td>
<td>0.060</td>
<td>0.177</td>
<td>0.003</td>
<td>2.03</td>
<td>0.34</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>72.100</td>
<td>0.640</td>
<td>91.200</td>
<td>0.912</td>
<td>0.79</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Co 57</td>
<td>9.370</td>
<td>0.080</td>
<td>12.700</td>
<td>0.127</td>
<td>0.74</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>3.020</td>
<td>0.150</td>
<td>3.760</td>
<td>0.376</td>
<td>0.80</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.030</td>
<td>0.100</td>
<td>5.750</td>
<td>0.575</td>
<td>0.71</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.460</td>
<td>0.160</td>
<td>5.280</td>
<td>0.528</td>
<td>0.85</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.980</td>
<td>0.120</td>
<td>3.220</td>
<td>0.240</td>
<td>1.24</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.380</td>
<td>0.230</td>
<td>1.850</td>
<td>0.139</td>
<td>1.28</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.860</td>
<td>0.160</td>
<td>4.710</td>
<td>0.470</td>
<td>0.82</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>6.130</td>
<td>0.280</td>
<td>9.420</td>
<td>0.942</td>
<td>0.65</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.110</td>
<td>0.110</td>
<td>0.002</td>
<td>0.000</td>
<td>55.00</td>
<td>55.30</td>
<td>N</td>
</tr>
<tr>
<td></td>
<td>Matrix: SO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.150</td>
<td>0.920</td>
<td>3.200</td>
<td>0.754</td>
<td>0.98</td>
<td>0.37</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>323.000</td>
<td>3.660</td>
<td>266.000</td>
<td>3.560</td>
<td>1.21</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>439.000</td>
<td>24.100</td>
<td>384.000</td>
<td>27.800</td>
<td>1.14</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>874.000</td>
<td>513.000</td>
<td>32.000</td>
<td>0.587</td>
<td>27.30</td>
<td>16.00</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>18.100</td>
<td>7.210</td>
<td>9.600</td>
<td>1.700</td>
<td>2.68</td>
<td>1.08</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>36.100</td>
<td>14.800</td>
<td>31.600</td>
<td>1.270</td>
<td>1.14</td>
<td>0.45</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Matrix: VE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.940</td>
<td>1.690</td>
<td>0.702</td>
<td>0.048</td>
<td>2.76</td>
<td>2.41</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>13.500</td>
<td>4.000</td>
<td>9.600</td>
<td>1.700</td>
<td>1.41</td>
<td>0.49</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>147.000</td>
<td>5.550</td>
<td>117.000</td>
<td>3.270</td>
<td>1.26</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1260.000</td>
<td>61.800</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.22</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Matrix: WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.570</td>
<td>1.220</td>
<td>1.330</td>
<td>0.073</td>
<td>1.93</td>
<td>0.92</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>233.000</td>
<td>1.590</td>
<td>196.000</td>
<td>3.490</td>
<td>1.19</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>96.100</td>
<td>1.180</td>
<td>83.500</td>
<td>1.800</td>
<td>1.15</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>97.200</td>
<td>1.680</td>
<td>76.800</td>
<td>2.280</td>
<td>1.27</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>9310.000</td>
<td>12.500</td>
<td>1340.000</td>
<td>40.020</td>
<td>0.75</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>835.000</td>
<td>9.300</td>
<td>653.000</td>
<td>19.300</td>
<td>1.28</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>51.600</td>
<td>1.410</td>
<td>43.500</td>
<td>2.060</td>
<td>1.19</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>4.060</td>
<td>2.280</td>
<td>0.591</td>
<td>0.047</td>
<td>6.87</td>
<td>3.90</td>
<td>N</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/fter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in μg/fter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.178</td>
<td>0.005</td>
<td>0.177</td>
<td>0.003</td>
<td>1.01</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>90.000</td>
<td>1.250</td>
<td>91.200</td>
<td>0.012</td>
<td>0.77</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>10.100</td>
<td>0.130</td>
<td>12.700</td>
<td>0.127</td>
<td>0.80</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>3.390</td>
<td>0.099</td>
<td>3.760</td>
<td>0.076</td>
<td>0.90</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.470</td>
<td>0.122</td>
<td>5.750</td>
<td>0.015</td>
<td>0.95</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>4.780</td>
<td>0.139</td>
<td>5.280</td>
<td>0.028</td>
<td>0.91</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>4.260</td>
<td>0.210</td>
<td>3.220</td>
<td>0.240</td>
<td>1.32</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 60</td>
<td>4.150</td>
<td>0.094</td>
<td>4.710</td>
<td>0.470</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.059</td>
<td>0.007</td>
<td>0.122</td>
<td>0.004</td>
<td>0.48</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.032</td>
<td>0.004</td>
<td>0.062</td>
<td>0.002</td>
<td>0.51</td>
<td>0.07</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>0.786</td>
<td>0.014</td>
<td>0.739</td>
<td>0.054</td>
<td>0.91</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.070</td>
<td>0.004</td>
<td>0.059</td>
<td>0.002</td>
<td>1.19</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.042</td>
<td>0.002</td>
<td>0.030</td>
<td>0.009</td>
<td>1.39</td>
<td>0.42</td>
<td>W</td>
</tr>
</tbody>
</table>

| **Matrix: SO** |                |                |       |           |           |              |             |            |
| 1        | AM241         | 2.370          | 0.120 | 3.200     | 0.754     | 0.74         | 0.18        | A          |
| 1        | CS137         | 291.000        | 6.600 | 266.000   | 3.560     | 1.09         | 0.03        | A          |
| 1        | K 40          | 420.000        | 11.400| 384.000   | 27.800    | 1.09         | 0.08        | A          |
| 1        | PU238         | 32.300         | 1.380 | 32.000    | 0.567     | 1.01         | 0.05        | A          |
| 1        | PU239         | 7.000          | 0.320 | 6.760     | 0.440     | 1.04         | 0.08        | A          |
| 1        | SR 90         | 13.400         | 0.180 | 11.900    | 1.500     | 1.19         | 0.16        | A          |
| 1        | U 234         | 30.200         | 1.700 | 30.300    | 1.790     | 1.00         | 0.08        | A          |
| 1        | U 238         | 29.800         | 1.700 | 31.600    | 1.270     | 0.95         | 0.07        | A          |

| **Matrix: VE** |                |                |       |           |           |              |             |            |
| 1        | AM241         | 0.680          | 0.030 | 0.702     | 0.048     | 0.97         | 0.08        | A          |
| 1        | CO 60         | 8.870          | 1.230 | 9.600     | 1.700     | 0.92         | 0.21        | A          |
| 1        | CS137         | 138.000        | 2.100 | 117.000   | 3.270     | 1.18         | 0.04        | A          |
| 1        | K 40          | 1140.000       | 20.000| 1030.000  | 8.160     | 1.11         | 0.02        | A          |
| 1        | PU238         | 0.097          | 0.009 | 0.089     | 0.019     | 1.09         | 0.26        | A          |
| 1        | PU239         | 1.160          | 0.070 | 1.120     | 0.159     | 1.04         | 0.16        | A          |
| 1        | SR 90         | 479.000        | 1.300 | 512.000   | 52.500    | 0.94         | 0.10        | A          |

| **Matrix: WA** |                |                |       |           |           |              |             |            |
| 1        | AM241         | 1.380          | 0.038 | 1.330     | 0.073     | 1.04         | 0.06        | A          |
| 1        | CO 60         | 233.000        | 3.400 | 196.000   | 3.460     | 1.19         | 0.03        | N          |
| 1        | CS134         | 94.700         | 0.100 | 83.500    | 1.800     | 1.13         | 0.02        | A          |
| 1        | CS137         | 91.000         | 2.200 | 76.800    | 2.260     | 1.18         | 0.05        | W          |
| 1        | GA            | 1430.000       | 72.000| 1340.000  | 40.000    | 1.07         | 0.06        | A          |
| 1        | GB            | 768.000        | 38.000| 653.000   | 19.300    | 1.18         | 0.07        | A          |
| 1        | H 3           | 48.200         | 1.170 | 60.300    | 2.310     | 0.82         | 0.04        | W          |
| 1        | MN 54         | 48.900         | 1.400 | 43.500    | 2.060     | 1.12         | 0.06        | A          |

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

**Labcode: AN**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.714</td>
<td>0.018</td>
<td>0.591</td>
<td>0.047</td>
<td>1.21</td>
<td>0.10</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>2.360</td>
<td>0.040</td>
<td>2.400</td>
<td>0.225</td>
<td>0.98</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U234</td>
<td>0.406</td>
<td>0.012</td>
<td>0.373</td>
<td>0.013</td>
<td>1.09</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U235</td>
<td>0.241</td>
<td>0.010</td>
<td>0.196</td>
<td>0.006</td>
<td>1.23</td>
<td>0.06</td>
<td>W</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in pg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML Value</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CE144</td>
<td>61.20</td>
<td>8.32</td>
<td>91.20</td>
<td>0.912</td>
<td>0.67</td>
<td>0.09</td>
<td>0.13</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>8.03</td>
<td>0.64</td>
<td>12.70</td>
<td>0.127</td>
<td>0.70</td>
<td>0.05</td>
<td>0.11</td>
<td>W</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>2.06</td>
<td>0.30</td>
<td>3.76</td>
<td>0.376</td>
<td>0.79</td>
<td>0.11</td>
<td>0.11</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.65</td>
<td>0.46</td>
<td>5.75</td>
<td>0.575</td>
<td>0.81</td>
<td>0.11</td>
<td>0.11</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>4.55</td>
<td>0.11</td>
<td>5.28</td>
<td>0.62</td>
<td>0.11</td>
<td>W</td>
<td>0.11</td>
<td>W</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.75</td>
<td>0.05</td>
<td>1.85</td>
<td>0.139</td>
<td>0.08</td>
<td>A</td>
<td>0.08</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MI254</td>
<td>3.00</td>
<td>0.30</td>
<td>4.71</td>
<td>0.470</td>
<td>0.11</td>
<td>W</td>
<td>0.11</td>
<td>W</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.125</td>
<td>0.022</td>
<td>0.12</td>
<td>0.004</td>
<td>0.03</td>
<td>A</td>
<td>0.18</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.068</td>
<td>0.016</td>
<td>0.062</td>
<td>0.002</td>
<td>0.09</td>
<td>A</td>
<td>0.26</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr125</td>
<td>8.14</td>
<td>0.78</td>
<td>8.42</td>
<td>0.342</td>
<td>0.12</td>
<td>A</td>
<td>0.12</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr90</td>
<td>0.807</td>
<td>0.039</td>
<td>0.739</td>
<td>0.054</td>
<td>1.09</td>
<td>A</td>
<td>0.16</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U234</td>
<td>0.069</td>
<td>0.015</td>
<td>0.065</td>
<td>0.002</td>
<td>1.17</td>
<td>A</td>
<td>0.26</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U238</td>
<td>0.019</td>
<td>0.008</td>
<td>0.002</td>
<td>0.000</td>
<td>8.35</td>
<td>4.01</td>
<td>0.11</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U238</td>
<td>1.040</td>
<td>0.100</td>
<td>0.538</td>
<td>0.021</td>
<td>1.93</td>
<td>0.20</td>
<td>0.09</td>
<td>A</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>H 3</td>
<td>59.400</td>
<td>7.700</td>
<td>60.300</td>
<td>2.310</td>
<td>0.99</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>52.600</td>
<td>3.600</td>
<td>43.500</td>
<td>2.060</td>
<td>1.21</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.801</td>
<td>0.112</td>
<td>0.591</td>
<td>0.047</td>
<td>1.36</td>
<td>0.22</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.830</td>
<td>0.390</td>
<td>2.400</td>
<td>0.225</td>
<td>1.18</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.376</td>
<td>0.074</td>
<td>0.373</td>
<td>0.013</td>
<td>1.01</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.003</td>
<td>0.000</td>
<td>0.003</td>
<td>0.000</td>
<td>1.13</td>
<td>0.13</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Laboratory

<table>
<thead>
<tr>
<th>Labcode: AT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Test Radio-No.</strong></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
</tr>
<tr>
<td>1 AM241</td>
</tr>
<tr>
<td>1 CE144</td>
</tr>
<tr>
<td>1 CG 57</td>
</tr>
<tr>
<td>1 CG 60</td>
</tr>
<tr>
<td>1 CS134</td>
</tr>
<tr>
<td>1 CS137</td>
</tr>
<tr>
<td>1 MN 54</td>
</tr>
<tr>
<td>1 PU238</td>
</tr>
<tr>
<td>1 PU239</td>
</tr>
<tr>
<td>1 SB125</td>
</tr>
<tr>
<td>1 U 234</td>
</tr>
<tr>
<td>1 U 238</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
</tr>
<tr>
<td>1 AM241</td>
</tr>
<tr>
<td>1 CS137</td>
</tr>
<tr>
<td>1 K 40</td>
</tr>
<tr>
<td>1 PU238</td>
</tr>
<tr>
<td>1 PU239</td>
</tr>
<tr>
<td>1 U 234</td>
</tr>
<tr>
<td>1 U 238</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
</tr>
<tr>
<td>1 AM241</td>
</tr>
<tr>
<td>1 CG 60</td>
</tr>
<tr>
<td>1 CS137</td>
</tr>
<tr>
<td>1 K 40</td>
</tr>
<tr>
<td>1 PU238</td>
</tr>
<tr>
<td>1 PU239</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
</tr>
<tr>
<td>1 AM241</td>
</tr>
<tr>
<td>1 CG 60</td>
</tr>
<tr>
<td>1 CS134</td>
</tr>
<tr>
<td>1 CS137</td>
</tr>
<tr>
<td>1 H 3</td>
</tr>
<tr>
<td>1 MN 54</td>
</tr>
<tr>
<td>1 PU239</td>
</tr>
<tr>
<td>1 U 234</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.145</td>
<td>0.013</td>
<td>0.177</td>
<td>0.003</td>
<td>0.02</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>CE144</td>
<td>71.300</td>
<td>1.420</td>
<td>91.200</td>
<td>0.912</td>
<td>0.78</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Co 57</td>
<td>10.000</td>
<td>0.200</td>
<td>12.700</td>
<td>0.127</td>
<td>0.79</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Co 60</td>
<td>3.200</td>
<td>0.460</td>
<td>3.760</td>
<td>0.376</td>
<td>0.86</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Cs134</td>
<td>5.250</td>
<td>0.300</td>
<td>5.750</td>
<td>0.575</td>
<td>0.91</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Cs137</td>
<td>4.920</td>
<td>0.390</td>
<td>5.280</td>
<td>0.528</td>
<td>0.91</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Mn 54</td>
<td>4.510</td>
<td>0.380</td>
<td>4.710</td>
<td>0.470</td>
<td>0.96</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Pu238</td>
<td>0.109</td>
<td>0.012</td>
<td>0.122</td>
<td>0.024</td>
<td>0.89</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Pu239</td>
<td>0.058</td>
<td>0.009</td>
<td>0.082</td>
<td>0.002</td>
<td>0.94</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Sr 90</td>
<td>8.290</td>
<td>0.960</td>
<td>9.420</td>
<td>0.942</td>
<td>0.88</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>U 89</td>
<td>0.074</td>
<td>0.008</td>
<td>0.091</td>
<td>0.005</td>
<td>0.81</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.500</td>
<td>1.200</td>
<td>3.200</td>
<td>0.754</td>
<td>0.47</td>
<td>0.39</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>Cs137</td>
<td>298.000</td>
<td>2.700</td>
<td>266.000</td>
<td>3.660</td>
<td>1.12</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>K 40</td>
<td>429.000</td>
<td>45.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.12</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Pu238</td>
<td>43.000</td>
<td>0.140</td>
<td>32.000</td>
<td>0.567</td>
<td>1.34</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>Pu239</td>
<td>10.800</td>
<td>0.070</td>
<td>6.760</td>
<td>0.440</td>
<td>1.60</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>Sr 90</td>
<td>14.300</td>
<td>2.700</td>
<td>11.300</td>
<td>1.500</td>
<td>1.27</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>U 89</td>
<td>54.400</td>
<td>3.300</td>
<td>63.400</td>
<td>3.200</td>
<td>0.86</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.640</td>
<td>0.270</td>
<td>0.702</td>
<td>0.048</td>
<td>0.91</td>
<td>0.39</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Co 60</td>
<td>12.700</td>
<td>3.200</td>
<td>9.600</td>
<td>1.700</td>
<td>1.32</td>
<td>0.41</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>Cs137</td>
<td>141.000</td>
<td>4.200</td>
<td>117.000</td>
<td>3.270</td>
<td>1.21</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>K 40</td>
<td>1210.000</td>
<td>73.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.17</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Pu239</td>
<td>1.180</td>
<td>0.370</td>
<td>1.120</td>
<td>0.159</td>
<td>1.06</td>
<td>0.36</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Sr 90</td>
<td>490.000</td>
<td>9.700</td>
<td>512.000</td>
<td>52.500</td>
<td>0.96</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.250</td>
<td>0.085</td>
<td>1.330</td>
<td>0.073</td>
<td>0.94</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Co 60</td>
<td>208.000</td>
<td>1.800</td>
<td>196.600</td>
<td>3.490</td>
<td>1.06</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Cs134</td>
<td>83.600</td>
<td>2.700</td>
<td>83.500</td>
<td>1.800</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Cs137</td>
<td>82.200</td>
<td>2.600</td>
<td>78.800</td>
<td>2.200</td>
<td>1.07</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>H 3</td>
<td>41.800</td>
<td>6.800</td>
<td>60.300</td>
<td>2.510</td>
<td>0.69</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>Mn 54</td>
<td>46.500</td>
<td>4.400</td>
<td>43.500</td>
<td>2.060</td>
<td>1.07</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Pu239</td>
<td>0.673</td>
<td>0.072</td>
<td>0.591</td>
<td>0.047</td>
<td>1.14</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Sr 90</td>
<td>2.170</td>
<td>0.200</td>
<td>2.400</td>
<td>0.225</td>
<td>0.30</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>U 89</td>
<td>0.557</td>
<td>0.047</td>
<td>0.568</td>
<td>0.028</td>
<td>0.98</td>
<td>0.10</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AV = Bq/L, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Laboratory

**Labcode: AW**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.430</td>
<td>0.170</td>
<td>0.177</td>
<td>0.003</td>
<td>2.43</td>
<td>0.96</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>92.800</td>
<td>13.900</td>
<td>91.200</td>
<td>0.912</td>
<td>1.02</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>13.700</td>
<td>2.100</td>
<td>12.700</td>
<td>0.127</td>
<td>1.08</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.800</td>
<td>0.600</td>
<td>3.760</td>
<td>0.376</td>
<td>1.01</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.800</td>
<td>0.900</td>
<td>5.750</td>
<td>0.575</td>
<td>1.01</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.800</td>
<td>0.800</td>
<td>5.280</td>
<td>0.528</td>
<td>1.06</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>9.400</td>
<td>1.400</td>
<td>9.420</td>
<td>0.942</td>
<td>1.00</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>103.000</td>
<td>20.700</td>
<td>266.000</td>
<td>3.560</td>
<td>0.39</td>
<td>0.08</td>
<td>N</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.790</td>
<td>0.320</td>
<td>1.330</td>
<td>0.073</td>
<td>0.59</td>
<td>0.24</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>195.000</td>
<td>29.300</td>
<td>196.000</td>
<td>3.490</td>
<td>1.00</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>82.700</td>
<td>12.400</td>
<td>83.500</td>
<td>1.800</td>
<td>0.69</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>78.700</td>
<td>11.800</td>
<td>76.800</td>
<td>2.280</td>
<td>1.03</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>49.200</td>
<td>4.900</td>
<td>60.300</td>
<td>2.310</td>
<td>0.82</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>43.500</td>
<td>6.500</td>
<td>43.500</td>
<td>2.060</td>
<td>1.00</td>
<td>0.16</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

**Labcode: BA**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>76.500</td>
<td>5.500</td>
<td>91.200</td>
<td>0.912</td>
<td>0.84</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>10.600</td>
<td>0.640</td>
<td>12.700</td>
<td>0.127</td>
<td>0.85</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 80</td>
<td>3.680</td>
<td>0.200</td>
<td>3.760</td>
<td>0.376</td>
<td>0.98</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.660</td>
<td>0.320</td>
<td>5.750</td>
<td>0.576</td>
<td>0.89</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.460</td>
<td>0.410</td>
<td>5.280</td>
<td>0.528</td>
<td>1.03</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.470</td>
<td>0.440</td>
<td>4.710</td>
<td>0.470</td>
<td>0.95</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.120</td>
<td>0.020</td>
<td>0.122</td>
<td>0.004</td>
<td>0.98</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.051</td>
<td>0.014</td>
<td>0.062</td>
<td>0.002</td>
<td>0.82</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>10.000</td>
<td>0.580</td>
<td>9.420</td>
<td>0.942</td>
<td>1.06</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.780</td>
<td>0.130</td>
<td>0.739</td>
<td>0.054</td>
<td>1.05</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>265.000</td>
<td>27.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.07</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>166.000</td>
<td>29.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.42</td>
<td>0.25</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>256.000</td>
<td>12.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.50</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>212.000</td>
<td>7.400</td>
<td>196.000</td>
<td>3.490</td>
<td>1.08</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>88.200</td>
<td>5.700</td>
<td>83.500</td>
<td>1.800</td>
<td>1.06</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>82.300</td>
<td>7.200</td>
<td>76.800</td>
<td>2.280</td>
<td>1.07</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>51.000</td>
<td>6.200</td>
<td>43.500</td>
<td>2.060</td>
<td>1.17</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.000</td>
<td>0.300</td>
<td>2.400</td>
<td>0.225</td>
<td>0.83</td>
<td>0.15</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

**Labcode: BC**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclido</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.960</td>
<td>0.000</td>
<td>5.280</td>
<td>0.528</td>
<td>0.94</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.540</td>
<td>0.000</td>
<td>3.220</td>
<td>0.240</td>
<td>1.10</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>3.570</td>
<td>0.000</td>
<td>1.850</td>
<td>0.139</td>
<td>1.93</td>
<td>0.15</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.770</td>
<td>0.000</td>
<td>0.739</td>
<td>0.054</td>
<td>1.04</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.074</td>
<td>0.000</td>
<td>0.059</td>
<td>0.002</td>
<td>1.25</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>268.000</td>
<td>0.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.01</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>337.000</td>
<td>0.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.88</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>17.100</td>
<td>0.000</td>
<td>30.300</td>
<td>1.790</td>
<td>0.56</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>18.200</td>
<td>0.000</td>
<td>31.600</td>
<td>1.270</td>
<td>0.58</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>126.000</td>
<td>0.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.08</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1020.000</td>
<td>0.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.99</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>271.000</td>
<td>0.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.53</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>87.000</td>
<td>0.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.13</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1660.000</td>
<td>0.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.24</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1070.000</td>
<td>0.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.64</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.120</td>
<td>0.000</td>
<td>2.400</td>
<td>0.225</td>
<td>0.98</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.372</td>
<td>0.000</td>
<td>0.373</td>
<td>0.013</td>
<td>1.00</td>
<td>0.03</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported Ratio</th>
<th>EML Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.177</td>
<td>0.005</td>
<td>0.177</td>
<td>0.003</td>
<td>1.00</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CU144</td>
<td>69.600</td>
<td>7.950</td>
<td>91.200</td>
<td>0.912</td>
<td>0.76</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>9.880</td>
<td>0.670</td>
<td>12.700</td>
<td>0.127</td>
<td>0.78</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.570</td>
<td>0.485</td>
<td>3.760</td>
<td>0.376</td>
<td>0.95</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.800</td>
<td>0.485</td>
<td>5.750</td>
<td>0.575</td>
<td>0.84</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.200</td>
<td>0.660</td>
<td>5.200</td>
<td>0.620</td>
<td>0.99</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.130</td>
<td>0.000</td>
<td>3.220</td>
<td>0.240</td>
<td>0.97</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.010</td>
<td>0.000</td>
<td>1.850</td>
<td>0.139</td>
<td>1.09</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.080</td>
<td>0.640</td>
<td>4.710</td>
<td>0.470</td>
<td>1.04</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.119</td>
<td>0.005</td>
<td>0.122</td>
<td>0.004</td>
<td>0.98</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.068</td>
<td>0.004</td>
<td>0.062</td>
<td>0.002</td>
<td>1.09</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>3.000</td>
<td>0.920</td>
<td>4.920</td>
<td>0.094</td>
<td>0.32</td>
<td>0.10</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.762</td>
<td>0.083</td>
<td>0.739</td>
<td>0.054</td>
<td>1.03</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.067</td>
<td>0.003</td>
<td>0.059</td>
<td>0.002</td>
<td>1.14</td>
<td>0.06</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: SO**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported Ratio</th>
<th>EML Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.610</td>
<td>0.407</td>
<td>3.200</td>
<td>0.754</td>
<td>0.82</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>320.000</td>
<td>29.600</td>
<td>266.000</td>
<td>3.560</td>
<td>1.20</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>288.000</td>
<td>41.100</td>
<td>384.000</td>
<td>27.800</td>
<td>0.75</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>31.200</td>
<td>2.210</td>
<td>32.000</td>
<td>0.567</td>
<td>0.98</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>6.890</td>
<td>0.640</td>
<td>6.760</td>
<td>0.440</td>
<td>1.02</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>12.200</td>
<td>2.250</td>
<td>11.300</td>
<td>1.500</td>
<td>1.08</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>34.100</td>
<td>2.630</td>
<td>30.300</td>
<td>1.760</td>
<td>1.13</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>31.700</td>
<td>2.500</td>
<td>31.600</td>
<td>1.270</td>
<td>1.00</td>
<td>0.09</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: VE**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported Ratio</th>
<th>EML Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.705</td>
<td>0.062</td>
<td>0.702</td>
<td>0.048</td>
<td>1.00</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>231.000</td>
<td>29.700</td>
<td>117.000</td>
<td>3.270</td>
<td>1.97</td>
<td>0.26</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.099</td>
<td>0.023</td>
<td>0.089</td>
<td>0.019</td>
<td>1.11</td>
<td>0.36</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.220</td>
<td>0.087</td>
<td>1.120</td>
<td>0.159</td>
<td>1.09</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>492.000</td>
<td>50.300</td>
<td>512.000</td>
<td>52.500</td>
<td>0.96</td>
<td>0.14</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: WA**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported Ratio</th>
<th>EML Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.410</td>
<td>0.037</td>
<td>1.330</td>
<td>0.073</td>
<td>1.06</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CU 60</td>
<td>210.000</td>
<td>17.300</td>
<td>196.000</td>
<td>3.490</td>
<td>1.07</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>91.500</td>
<td>7.610</td>
<td>83.500</td>
<td>1.800</td>
<td>1.10</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>87.600</td>
<td>7.680</td>
<td>76.800</td>
<td>2.280</td>
<td>1.14</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1560.000</td>
<td>185.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.16</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>770.000</td>
<td>76.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.18</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>69.600</td>
<td>15.600</td>
<td>60.300</td>
<td>2.310</td>
<td>1.15</td>
<td>0.26</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>49.600</td>
<td>4.780</td>
<td>43.500</td>
<td>2.060</td>
<td>1.14</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.674</td>
<td>0.030</td>
<td>0.591</td>
<td>0.047</td>
<td>1.14</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.100</td>
<td>0.330</td>
<td>2.400</td>
<td>0.225</td>
<td>0.88</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.397</td>
<td>0.022</td>
<td>0.373</td>
<td>0.013</td>
<td>1.06</td>
<td>0.07</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CO 60</td>
<td>219.000</td>
<td>3.290</td>
<td>196.000</td>
<td>3.490</td>
<td>1.12</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>90.200</td>
<td>3.020</td>
<td>83.500</td>
<td>1.800</td>
<td>1.08</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>92.600</td>
<td>3.970</td>
<td>76.800</td>
<td>2.280</td>
<td>1.21</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>49.300</td>
<td>2.090</td>
<td>43.500</td>
<td>2.060</td>
<td>1.13</td>
<td>0.07</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Labcode: BL</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.170</td>
<td>0.010</td>
<td>0.177</td>
<td>0.003</td>
<td>0.96</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>AM241</td>
<td>0.190</td>
<td>0.020</td>
<td>0.177</td>
<td>0.003</td>
<td>1.07</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>71.500</td>
<td>1.600</td>
<td>91.200</td>
<td>0.912</td>
<td>0.78</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>10.300</td>
<td>0.300</td>
<td>12.700</td>
<td>0.127</td>
<td>0.81</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.200</td>
<td>0.200</td>
<td>3.760</td>
<td>0.370</td>
<td>0.95</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.390</td>
<td>0.250</td>
<td>5.760</td>
<td>0.575</td>
<td>0.94</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.460</td>
<td>0.200</td>
<td>5.280</td>
<td>0.528</td>
<td>0.85</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.070</td>
<td>0.200</td>
<td>4.710</td>
<td>0.470</td>
<td>0.86</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.120</td>
<td>0.010</td>
<td>0.122</td>
<td>0.004</td>
<td>0.98</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>PU238</td>
<td>0.130</td>
<td>0.010</td>
<td>0.122</td>
<td>0.004</td>
<td>1.07</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.070</td>
<td>0.010</td>
<td>0.062</td>
<td>0.002</td>
<td>1.12</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>PU239</td>
<td>0.070</td>
<td>0.010</td>
<td>0.062</td>
<td>0.002</td>
<td>1.12</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.330</td>
<td>0.580</td>
<td>9.420</td>
<td>0.842</td>
<td>0.88</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.620</td>
<td>0.320</td>
<td>0.739</td>
<td>0.054</td>
<td>0.84</td>
<td>0.44</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.030</td>
<td>0.000</td>
<td>0.059</td>
<td>0.002</td>
<td>0.51</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.029</td>
<td>0.000</td>
<td>0.002</td>
<td>0.000</td>
<td>14.50</td>
<td>1.45</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>0.059</td>
<td>0.001</td>
<td>0.091</td>
<td>0.005</td>
<td>0.65</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>2</td>
<td>U BQ</td>
<td>0.059</td>
<td>0.000</td>
<td>0.091</td>
<td>0.005</td>
<td>0.65</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>2.370</td>
<td>0.000</td>
<td>0.538</td>
<td>0.021</td>
<td>4.41</td>
<td>0.17</td>
<td>N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Matrix: SO</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.080</td>
<td>0.010</td>
<td>3.200</td>
<td>0.754</td>
<td>0.96</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>276.000</td>
<td>7.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>398.000</td>
<td>19.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.04</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>31.300</td>
<td>1.400</td>
<td>32.000</td>
<td>0.567</td>
<td>0.98</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.280</td>
<td>0.740</td>
<td>6.760</td>
<td>0.440</td>
<td>1.08</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>9.000</td>
<td>5.000</td>
<td>11.300</td>
<td>1.500</td>
<td>0.80</td>
<td>0.46</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>30.500</td>
<td>0.000</td>
<td>30.300</td>
<td>1.790</td>
<td>1.01</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>32.400</td>
<td>0.000</td>
<td>30.300</td>
<td>1.790</td>
<td>1.07</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>29.800</td>
<td>0.000</td>
<td>31.600</td>
<td>1.270</td>
<td>0.94</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>31.600</td>
<td>0.000</td>
<td>31.600</td>
<td>1.270</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>U BQ</td>
<td>60.300</td>
<td>0.000</td>
<td>63.400</td>
<td>3.200</td>
<td>0.95</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>2.460</td>
<td>0.000</td>
<td>2.500</td>
<td>0.130</td>
<td>0.98</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>U UG</td>
<td>2.610</td>
<td>0.000</td>
<td>2.500</td>
<td>0.130</td>
<td>1.04</td>
<td>0.05</td>
<td>A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Matrix: VE</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.330</td>
<td>0.070</td>
<td>0.702</td>
<td>0.048</td>
<td>0.47</td>
<td>0.11</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>7.270</td>
<td>1.450</td>
<td>9.600</td>
<td>1.700</td>
<td>0.76</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>129.000</td>
<td>4.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.10</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1110.000</td>
<td>40.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.08</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.260</td>
<td>0.190</td>
<td>0.089</td>
<td>0.019</td>
<td>2.93</td>
<td>2.24</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.190</td>
<td>0.300</td>
<td>1.120</td>
<td>0.159</td>
<td>1.06</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>387.000</td>
<td>13.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.76</td>
<td>0.08</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.

## Results by Laboratory

**Labcode: BL**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.470</td>
<td>0.060</td>
<td>1.330</td>
<td>0.073</td>
<td>1.11</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>AM241</td>
<td>1.380</td>
<td>0.060</td>
<td>1.330</td>
<td>0.073</td>
<td>1.04</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>230.000</td>
<td>7.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.17</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>98.000</td>
<td>2.800</td>
<td>83.500</td>
<td>1.800</td>
<td>1.17</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>88.300</td>
<td>2.500</td>
<td>76.800</td>
<td>2.280</td>
<td>1.15</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>FE 55</td>
<td>95.000</td>
<td>6.000</td>
<td>119.000</td>
<td>5.820</td>
<td>0.80</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>FE 55</td>
<td>111.000</td>
<td>6.000</td>
<td>119.000</td>
<td>5.820</td>
<td>0.93</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1350.000</td>
<td>28.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.01</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>GA</td>
<td>1280.000</td>
<td>27.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.96</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>631.000</td>
<td>17.000</td>
<td>653.000</td>
<td>19.300</td>
<td>0.97</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>GB</td>
<td>643.000</td>
<td>17.000</td>
<td>653.000</td>
<td>19.300</td>
<td>0.99</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>63.700</td>
<td>5.800</td>
<td>60.300</td>
<td>2.310</td>
<td>1.06</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>52.100</td>
<td>1.600</td>
<td>43.500</td>
<td>2.060</td>
<td>1.20</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.850</td>
<td>0.040</td>
<td>0.591</td>
<td>0.047</td>
<td>1.10</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>PU239</td>
<td>0.730</td>
<td>0.070</td>
<td>0.591</td>
<td>0.047</td>
<td>1.24</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.270</td>
<td>1.070</td>
<td>2.400</td>
<td>0.225</td>
<td>0.95</td>
<td>0.46</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.038</td>
<td>0.000</td>
<td>0.373</td>
<td>0.013</td>
<td>0.10</td>
<td>0.00</td>
<td>N</td>
</tr>
<tr>
<td>2</td>
<td>U 234</td>
<td>0.044</td>
<td>0.000</td>
<td>0.373</td>
<td>0.013</td>
<td>0.12</td>
<td>0.00</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>0.077</td>
<td>0.001</td>
<td>0.568</td>
<td>0.028</td>
<td>0.14</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>2</td>
<td>U BQ</td>
<td>0.088</td>
<td>0.001</td>
<td>0.568</td>
<td>0.028</td>
<td>0.16</td>
<td>0.01</td>
<td>N</td>
</tr>
</tbody>
</table>

**Units for matrices:** AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.260</td>
<td>0.110</td>
<td>0.177</td>
<td>0.003</td>
<td>1.47</td>
<td>0.62</td>
<td>W</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO144</td>
<td>74.500</td>
<td>5.200</td>
<td>91.200</td>
<td>0.912</td>
<td>8.22</td>
<td>0.06</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO237</td>
<td>10.700</td>
<td>0.700</td>
<td>12.700</td>
<td>0.127</td>
<td>1.01</td>
<td>0.05</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>3.200</td>
<td>0.220</td>
<td>3.760</td>
<td>0.376</td>
<td>1.01</td>
<td>0.10</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.800</td>
<td>0.410</td>
<td>5.750</td>
<td>0.575</td>
<td>1.01</td>
<td>0.12</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.080</td>
<td>0.360</td>
<td>5.280</td>
<td>0.528</td>
<td>0.96</td>
<td>0.12</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>4.310</td>
<td>0.300</td>
<td>4.710</td>
<td>0.470</td>
<td>0.93</td>
<td>0.11</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.114</td>
<td>0.012</td>
<td>0.122</td>
<td>0.004</td>
<td>1.17</td>
<td>0.14</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.059</td>
<td>0.007</td>
<td>0.062</td>
<td>0.002</td>
<td>1.17</td>
<td>0.14</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.840</td>
<td>0.620</td>
<td>9.420</td>
<td>0.942</td>
<td>0.93</td>
<td>0.10</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>0.700</td>
<td>0.110</td>
<td>0.739</td>
<td>0.054</td>
<td>0.95</td>
<td>0.16</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U234</td>
<td>0.069</td>
<td>0.008</td>
<td>0.059</td>
<td>0.002</td>
<td>1.17</td>
<td>0.14</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U238</td>
<td>0.003</td>
<td>0.001</td>
<td>0.002</td>
<td>0.000</td>
<td>1.70</td>
<td>0.67</td>
<td>W</td>
<td>N</td>
</tr>
</tbody>
</table>

### Matrix: SO

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.300</td>
<td>0.900</td>
<td>3.200</td>
<td>0.754</td>
<td>0.72</td>
<td>0.33</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>226.000</td>
<td>5.000</td>
<td>268.300</td>
<td>3.560</td>
<td>0.85</td>
<td>0.02</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>277.000</td>
<td>31.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.72</td>
<td>0.10</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>27.700</td>
<td>2.500</td>
<td>32.000</td>
<td>0.567</td>
<td>0.87</td>
<td>0.08</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>2</td>
<td>PU239</td>
<td>31.400</td>
<td>3.900</td>
<td>32.000</td>
<td>0.567</td>
<td>0.93</td>
<td>0.12</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>2</td>
<td>PU239</td>
<td>6.000</td>
<td>0.600</td>
<td>6.760</td>
<td>0.440</td>
<td>0.69</td>
<td>0.11</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>2</td>
<td>PU239</td>
<td>7.100</td>
<td>0.800</td>
<td>6.760</td>
<td>0.440</td>
<td>1.05</td>
<td>0.14</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>7.600</td>
<td>3.800</td>
<td>11.300</td>
<td>1.500</td>
<td>0.67</td>
<td>0.35</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U234</td>
<td>32.400</td>
<td>20.000</td>
<td>30.300</td>
<td>1.790</td>
<td>1.07</td>
<td>0.66</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>2</td>
<td>U234</td>
<td>26.100</td>
<td>2.600</td>
<td>30.300</td>
<td>1.790</td>
<td>0.86</td>
<td>0.10</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>3</td>
<td>U234</td>
<td>24.700</td>
<td>3.000</td>
<td>30.300</td>
<td>1.790</td>
<td>0.82</td>
<td>0.11</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U238</td>
<td>26.100</td>
<td>2.600</td>
<td>31.600</td>
<td>1.270</td>
<td>0.83</td>
<td>0.09</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>2</td>
<td>U238</td>
<td>23.500</td>
<td>3.100</td>
<td>31.600</td>
<td>1.270</td>
<td>0.74</td>
<td>0.10</td>
<td>A</td>
<td>N</td>
</tr>
</tbody>
</table>

### Matrix: VE

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.770</td>
<td>0.170</td>
<td>0.702</td>
<td>0.048</td>
<td>1.10</td>
<td>0.25</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>7.620</td>
<td>3.000</td>
<td>9.800</td>
<td>1.700</td>
<td>0.79</td>
<td>0.34</td>
<td>W</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>105.000</td>
<td>11.000</td>
<td>117.000</td>
<td>3.270</td>
<td>0.90</td>
<td>0.10</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>810.000</td>
<td>42.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.79</td>
<td>0.04</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.230</td>
<td>0.080</td>
<td>0.058</td>
<td>0.019</td>
<td>2.59</td>
<td>1.07</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.950</td>
<td>0.130</td>
<td>1.720</td>
<td>0.159</td>
<td>0.84</td>
<td>0.18</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.890</td>
<td>0.180</td>
<td>1.120</td>
<td>0.159</td>
<td>0.80</td>
<td>0.20</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>85.400</td>
<td>12.800</td>
<td>512.000</td>
<td>52.500</td>
<td>0.17</td>
<td>0.03</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>

### Matrix: WA

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.330</td>
<td>0.150</td>
<td>1.330</td>
<td>0.073</td>
<td>1.00</td>
<td>0.13</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>198.000</td>
<td>2.400</td>
<td>196.000</td>
<td>3.490</td>
<td>1.01</td>
<td>0.02</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>96.200</td>
<td>1.600</td>
<td>83.500</td>
<td>1.800</td>
<td>1.15</td>
<td>0.03</td>
<td>A</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>90.000</td>
<td>1.800</td>
<td>76.800</td>
<td>2.280</td>
<td>1.17</td>
<td>0.04</td>
<td>W</td>
<td>N</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

**Labcode: BM**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MN 54</td>
<td>47.400</td>
<td>1.700</td>
<td>43.500</td>
<td>2.060</td>
<td>1.09</td>
<td>0.06</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.680</td>
<td>0.090</td>
<td>0.591</td>
<td>0.047</td>
<td>1.15</td>
<td>0.18</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>PU239</td>
<td>0.660</td>
<td>0.070</td>
<td>0.591</td>
<td>0.047</td>
<td>1.12</td>
<td>0.15</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>1.890</td>
<td>0.280</td>
<td>2.400</td>
<td>0.225</td>
<td>0.79</td>
<td>0.14</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.420</td>
<td>0.060</td>
<td>0.373</td>
<td>0.013</td>
<td>1.13</td>
<td>0.14</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>U 234</td>
<td>0.410</td>
<td>0.050</td>
<td>0.373</td>
<td>0.013</td>
<td>1.10</td>
<td>0.14</td>
<td>A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Units for matrices:** 
- AI = Bq/filter
- SO = Bq/kg
- VE = Bq/kg
- WA = Bq/L

Values for elemental uranium are reported in µg/filter, g, or mL.

**Evaluation:**
- A = Acceptable
- W = Acceptable with Warning
- N = Not Acceptable
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported Value</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ce144</td>
<td>76.000</td>
<td>17.100</td>
<td>91.200</td>
<td>0.912</td>
<td>0.83</td>
<td>0.19</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co57</td>
<td>11.300</td>
<td>3.060</td>
<td>12.700</td>
<td>0.127</td>
<td>0.89</td>
<td>0.24</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co60</td>
<td>3.370</td>
<td>1.210</td>
<td>3.780</td>
<td>0.376</td>
<td>0.90</td>
<td>0.33</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cs134</td>
<td>5.300</td>
<td>0.600</td>
<td>5.750</td>
<td>0.575</td>
<td>0.92</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cs137</td>
<td>5.200</td>
<td>0.350</td>
<td>5.280</td>
<td>0.528</td>
<td>0.99</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Gd</td>
<td>3.870</td>
<td>0.310</td>
<td>3.220</td>
<td>0.240</td>
<td>1.20</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Gd</td>
<td>2.970</td>
<td>0.120</td>
<td>1.850</td>
<td>0.139</td>
<td>1.61</td>
<td>0.14</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Gd</td>
<td>4.700</td>
<td>0.920</td>
<td>4.710</td>
<td>0.470</td>
<td>1.00</td>
<td>0.22</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>9.330</td>
<td>1.170</td>
<td>9.420</td>
<td>0.942</td>
<td>0.99</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cs137</td>
<td>302.000</td>
<td>34.200</td>
<td>266.000</td>
<td>3.560</td>
<td>1.14</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>378.000</td>
<td>15.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.98</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co60</td>
<td>6.100</td>
<td>0.870</td>
<td>9.600</td>
<td>1.700</td>
<td>0.64</td>
<td>0.14</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cs134</td>
<td>110.000</td>
<td>13.300</td>
<td>117.000</td>
<td>3.270</td>
<td>0.94</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>820.000</td>
<td>76.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.80</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co60</td>
<td>206.000</td>
<td>12.200</td>
<td>196.000</td>
<td>3.490</td>
<td>1.05</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cs134</td>
<td>96.000</td>
<td>5.280</td>
<td>83.500</td>
<td>1.800</td>
<td>1.15</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cs137</td>
<td>96.000</td>
<td>6.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.25</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>56.700</td>
<td>11.000</td>
<td>60.300</td>
<td>2.310</td>
<td>0.94</td>
<td>0.19</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Mn54</td>
<td>48.300</td>
<td>3.060</td>
<td>43.500</td>
<td>2.060</td>
<td>1.11</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Sr90</td>
<td>1.800</td>
<td>0.000</td>
<td>2.400</td>
<td>0.225</td>
<td>0.75</td>
<td>0.07</td>
<td>W</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CS137</td>
<td>320.000</td>
<td>17.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.20</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>423.000</td>
<td>20.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.10</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>13.300</td>
<td>1.200</td>
<td>11.300</td>
<td>1.500</td>
<td>1.18</td>
<td>0.19</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Laboratory

**Labcode: BQ**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>271.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.02</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>282.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.76</td>
<td>0.37</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>2.540</td>
<td>2.500</td>
<td>0.130</td>
<td>1.02</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>116.000</td>
<td>117.000</td>
<td>3.270</td>
<td>0.99</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>890.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.86</td>
<td>0.32</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>226.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.15</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>88.900</td>
<td>83.500</td>
<td>1.800</td>
<td>1.07</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>85.200</td>
<td>76.800</td>
<td>2.280</td>
<td>1.11</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>47.900</td>
<td>43.500</td>
<td>2.060</td>
<td>1.10</td>
<td>0.05</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: A1=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

#### Labcode: BR

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Matrix: A1

<p>| | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CE144</td>
<td>56.600</td>
<td>2.920</td>
<td>91.200</td>
<td>0.912</td>
<td>0.62</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>C0 57</td>
<td>8.830</td>
<td>0.450</td>
<td>12.700</td>
<td>0.127</td>
<td>0.70</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>C0 60</td>
<td>5.160</td>
<td>0.840</td>
<td>3.760</td>
<td>0.376</td>
<td>1.37</td>
<td>0.26</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.770</td>
<td>0.570</td>
<td>5.750</td>
<td>0.576</td>
<td>0.83</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.960</td>
<td>0.770</td>
<td>5.280</td>
<td>0.528</td>
<td>0.94</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.520</td>
<td>0.870</td>
<td>4.710</td>
<td>0.470</td>
<td>0.96</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>9.560</td>
<td>1.930</td>
<td>9.420</td>
<td>0.942</td>
<td>1.02</td>
<td>0.23</td>
<td>A</td>
</tr>
</tbody>
</table>

#### Matrix: SO

<p>| | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CS137</td>
<td>313.000</td>
<td>11.300</td>
<td>266.000</td>
<td>3.560</td>
<td>1.18</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>406.000</td>
<td>37.300</td>
<td>384.000</td>
<td>27.600</td>
<td>1.06</td>
<td>0.12</td>
<td>A</td>
</tr>
</tbody>
</table>

#### Matrix: VE

<p>| | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>C0 60</td>
<td>10.700</td>
<td>2.270</td>
<td>9.600</td>
<td>1.700</td>
<td>1.12</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>135.000</td>
<td>11.200</td>
<td>117.000</td>
<td>3.270</td>
<td>1.15</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>996.000</td>
<td>64.900</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.97</td>
<td>0.06</td>
<td>A</td>
</tr>
</tbody>
</table>

#### Matrix: WA

<p>| | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>C0 60</td>
<td>204.000</td>
<td>3.700</td>
<td>196.000</td>
<td>3.490</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>101.000</td>
<td>2.900</td>
<td>83.500</td>
<td>1.800</td>
<td>1.21</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>95.900</td>
<td>3.780</td>
<td>76.800</td>
<td>2.280</td>
<td>1.25</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>50.700</td>
<td>3.960</td>
<td>43.500</td>
<td>2.060</td>
<td>1.17</td>
<td>0.11</td>
<td>W</td>
</tr>
</tbody>
</table>

---

Units for matrices: **A1=** Bq/filter  **SO=** Bq/kg  **VE=** Bq/kg  **WA=** Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation:  **A=** Acceptable,  **W=** Acceptable with Warning,  **N=** Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.280</td>
<td>0.030</td>
<td>0.177</td>
<td>0.003</td>
<td>1.58</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>64.800</td>
<td>0.300</td>
<td>91.200</td>
<td>0.912</td>
<td>0.71</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO-57</td>
<td>9.190</td>
<td>0.040</td>
<td>12.700</td>
<td>0.127</td>
<td>0.72</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>2.910</td>
<td>0.140</td>
<td>3.760</td>
<td>0.375</td>
<td>0.77</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.300</td>
<td>0.130</td>
<td>5.750</td>
<td>0.575</td>
<td>0.92</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>4.100</td>
<td>0.090</td>
<td>5.280</td>
<td>0.528</td>
<td>0.84</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>4.280</td>
<td>0.130</td>
<td>4.710</td>
<td>0.470</td>
<td>0.80</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>7.300</td>
<td>0.170</td>
<td>9.420</td>
<td>0.942</td>
<td>0.78</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.170</td>
<td>0.650</td>
<td>3.200</td>
<td>0.754</td>
<td>0.99</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>272.000</td>
<td>1.350</td>
<td>266.000</td>
<td>3.560</td>
<td>1.02</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>370.000</td>
<td>8.960</td>
<td>384.000</td>
<td>27.800</td>
<td>0.96</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>UBQ</td>
<td>88.900</td>
<td>15.000</td>
<td>63.400</td>
<td>3.200</td>
<td>1.40</td>
<td>0.25</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.400</td>
<td>0.200</td>
<td>0.702</td>
<td>0.048</td>
<td>0.57</td>
<td>0.29</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO-60</td>
<td>6.180</td>
<td>1.400</td>
<td>9.600</td>
<td>1.700</td>
<td>0.65</td>
<td>0.19</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>103.000</td>
<td>1.000</td>
<td>117.000</td>
<td>3.270</td>
<td>0.88</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>837.000</td>
<td>19.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.81</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.170</td>
<td>0.400</td>
<td>1.330</td>
<td>0.073</td>
<td>0.88</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO-60</td>
<td>206.000</td>
<td>0.800</td>
<td>266.000</td>
<td>3.490</td>
<td>1.05</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>89.600</td>
<td>0.600</td>
<td>83.500</td>
<td>1.800</td>
<td>1.07</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>82.200</td>
<td>0.500</td>
<td>76.800</td>
<td>2.280</td>
<td>1.07</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>47.000</td>
<td>0.500</td>
<td>43.500</td>
<td>2.060</td>
<td>1.08</td>
<td>0.05</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/liter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Labcode: BU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test No.</td>
</tr>
<tr>
<td>----------</td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/m^3; SO=Bq/kg; VE=Bq/kg; WA=Bq/L. Values for elemental uranium are reported in mg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

---

72
## Results by Laboratory

<p>| Test Radio- | Reported | EML | EML | Reported | Ratio | Evaluation |</p>
<table>
<thead>
<tr>
<th>No. Nuclide</th>
<th>Value</th>
<th>Error</th>
<th>Value</th>
<th>Error</th>
<th>EML</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matrix: AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.570</td>
<td>0.000</td>
<td>0.177</td>
<td>0.003</td>
<td>8.87</td>
<td>0.16</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>67.700</td>
<td>0.000</td>
<td>91.200</td>
<td>0.127</td>
<td>0.74</td>
<td>0.01</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>9.810</td>
<td>0.000</td>
<td>12.700</td>
<td>0.092</td>
<td>0.77</td>
<td>0.01</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>2.880</td>
<td>0.000</td>
<td>3.760</td>
<td>0.036</td>
<td>0.77</td>
<td>0.08</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.220</td>
<td>0.000</td>
<td>5.750</td>
<td>0.075</td>
<td>0.91</td>
<td>0.09</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.550</td>
<td>0.000</td>
<td>5.280</td>
<td>0.028</td>
<td>0.86</td>
<td>0.09</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.620</td>
<td>0.000</td>
<td>3.220</td>
<td>0.240</td>
<td>1.12</td>
<td>0.08</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>3.660</td>
<td>0.000</td>
<td>3.220</td>
<td>0.139</td>
<td>1.98</td>
<td>0.15</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.850</td>
<td>0.000</td>
<td>4.710</td>
<td>0.470</td>
<td>0.82</td>
<td>0.08</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.127</td>
<td>0.000</td>
<td>0.122</td>
<td>0.004</td>
<td>1.04</td>
<td>0.04</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.055</td>
<td>0.000</td>
<td>0.062</td>
<td>0.002</td>
<td>0.88</td>
<td>0.03</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.580</td>
<td>0.000</td>
<td>9.420</td>
<td>0.842</td>
<td>0.91</td>
<td>0.09</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.903</td>
<td>0.000</td>
<td>0.739</td>
<td>0.054</td>
<td>1.22</td>
<td>0.09</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.083</td>
<td>0.000</td>
<td>0.059</td>
<td>0.002</td>
<td>1.40</td>
<td>0.04</td>
</tr>
<tr>
<td>Matrix: SO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>271.000</td>
<td>0.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.02</td>
<td>0.01</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>338.000</td>
<td>0.000</td>
<td>334.000</td>
<td>2.700</td>
<td>0.88</td>
<td>0.06</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>28.550</td>
<td>0.000</td>
<td>32.000</td>
<td>0.567</td>
<td>0.88</td>
<td>0.01</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>6.550</td>
<td>0.000</td>
<td>6.760</td>
<td>0.440</td>
<td>0.98</td>
<td>0.06</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>18.200</td>
<td>0.000</td>
<td>18.300</td>
<td>1.790</td>
<td>0.91</td>
<td>0.04</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>18.680</td>
<td>0.000</td>
<td>18.600</td>
<td>1.270</td>
<td>0.52</td>
<td>0.02</td>
</tr>
<tr>
<td>Matrix: VE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>7.600</td>
<td>0.000</td>
<td>9.600</td>
<td>1.700</td>
<td>0.80</td>
<td>0.14</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>124.000</td>
<td>0.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.06</td>
<td>0.03</td>
</tr>
<tr>
<td>2</td>
<td>K 40</td>
<td>999.000</td>
<td>0.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.97</td>
<td>0.01</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.744</td>
<td>0.000</td>
<td>0.089</td>
<td>0.019</td>
<td>8.39</td>
<td>1.83</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.070</td>
<td>0.000</td>
<td>1.120</td>
<td>0.159</td>
<td>0.96</td>
<td>0.14</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>266.000</td>
<td>0.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.52</td>
<td>0.05</td>
</tr>
<tr>
<td>Matrix: WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.814</td>
<td>0.000</td>
<td>0.815</td>
<td>0.015</td>
<td>1.03</td>
<td>0.03</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>209.000</td>
<td>0.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.07</td>
<td>0.02</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>89.500</td>
<td>0.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.07</td>
<td>0.02</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>88.400</td>
<td>0.000</td>
<td>78.800</td>
<td>2.280</td>
<td>1.15</td>
<td>0.03</td>
</tr>
<tr>
<td>1</td>
<td>FE 56</td>
<td>115.000</td>
<td>0.000</td>
<td>119.000</td>
<td>5.820</td>
<td>0.97</td>
<td>0.05</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1630.000</td>
<td>0.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.22</td>
<td>0.04</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>933.000</td>
<td>0.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.43</td>
<td>0.04</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>41.400</td>
<td>0.000</td>
<td>60.300</td>
<td>2.310</td>
<td>0.69</td>
<td>0.03</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>49.200</td>
<td>0.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.13</td>
<td>0.05</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.629</td>
<td>0.000</td>
<td>0.591</td>
<td>0.047</td>
<td>1.06</td>
<td>0.09</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.790</td>
<td>0.000</td>
<td>2.400</td>
<td>0.225</td>
<td>1.16</td>
<td>0.11</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.455</td>
<td>0.000</td>
<td>0.373</td>
<td>0.013</td>
<td>1.22</td>
<td>0.04</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

**Labcode: CA**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>59.900</td>
<td>2.600</td>
<td>91.200</td>
<td>0.912</td>
<td>0.66</td>
<td>0.03</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>7.400</td>
<td>0.300</td>
<td>12.700</td>
<td>0.127</td>
<td>0.66</td>
<td>0.02</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.300</td>
<td>0.300</td>
<td>5.750</td>
<td>0.575</td>
<td>0.92</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.400</td>
<td>0.600</td>
<td>5.280</td>
<td>0.528</td>
<td>0.83</td>
<td>0.14</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.100</td>
<td>0.100</td>
<td>3.220</td>
<td>0.240</td>
<td>0.96</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.700</td>
<td>0.100</td>
<td>1.850</td>
<td>0.139</td>
<td>0.92</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>3.600</td>
<td>0.100</td>
<td>4.710</td>
<td>0.470</td>
<td>0.76</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.200</td>
<td>0.400</td>
<td>9.420</td>
<td>0.942</td>
<td>0.87</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>UUG</td>
<td>2.800</td>
<td>0.200</td>
<td>2.500</td>
<td>0.130</td>
<td>1.12</td>
<td>0.10</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>221.000</td>
<td>3.400</td>
<td>186.000</td>
<td>3.490</td>
<td>1.13</td>
<td>0.03</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>94.200</td>
<td>0.500</td>
<td>83.500</td>
<td>1.800</td>
<td>1.13</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>92.500</td>
<td>0.300</td>
<td>76.800</td>
<td>2.280</td>
<td>1.20</td>
<td>0.04</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1120.000</td>
<td>80.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.84</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>780.000</td>
<td>140.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.19</td>
<td>0.22</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>50.400</td>
<td>1.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.16</td>
<td>0.06</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>UUG</td>
<td>0.005</td>
<td>0.001</td>
<td>0.003</td>
<td>0.000</td>
<td>2.04</td>
<td>0.22</td>
<td>N</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: Al=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML Value</th>
<th>EML Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.173</td>
<td>0.177</td>
<td>0.003</td>
<td>0.98</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO144</td>
<td>58.800</td>
<td>91.200</td>
<td>0.912</td>
<td>0.88</td>
<td>0.02</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CU57</td>
<td>8.710</td>
<td>12.700</td>
<td>0.127</td>
<td>0.69</td>
<td>0.02</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>2.910</td>
<td>3.760</td>
<td>0.376</td>
<td>0.75</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.750</td>
<td>5.750</td>
<td>0.575</td>
<td>0.83</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.270</td>
<td>5.280</td>
<td>0.528</td>
<td>0.81</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>3.740</td>
<td>4.710</td>
<td>0.470</td>
<td>0.79</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.123</td>
<td>0.122</td>
<td>0.004</td>
<td>1.01</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.060</td>
<td>0.062</td>
<td>0.002</td>
<td>0.96</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>3.780</td>
<td>9.420</td>
<td>0.942</td>
<td>0.40</td>
<td>0.05</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>0.780</td>
<td>0.739</td>
<td>0.054</td>
<td>1.05</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U234</td>
<td>0.069</td>
<td>0.059</td>
<td>0.002</td>
<td>1.17</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U235</td>
<td>0.039</td>
<td>0.030</td>
<td>0.009</td>
<td>1.29</td>
<td>0.40</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U238</td>
<td>0.004</td>
<td>0.002</td>
<td>0.000</td>
<td>2.00</td>
<td>0.54</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>UUG</td>
<td>0.800</td>
<td>0.538</td>
<td>0.021</td>
<td>1.49</td>
<td>0.21</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.520</td>
<td>3.200</td>
<td>0.754</td>
<td>0.79</td>
<td>0.19</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>304.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.14</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>385.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.03</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>30.200</td>
<td>32.000</td>
<td>0.567</td>
<td>0.94</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.100</td>
<td>6.760</td>
<td>0.440</td>
<td>1.05</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>7.300</td>
<td>11.300</td>
<td>1.500</td>
<td>0.65</td>
<td>0.10</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U234</td>
<td>29.800</td>
<td>30.300</td>
<td>1.790</td>
<td>0.98</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U235</td>
<td>1.400</td>
<td>1.590</td>
<td>0.075</td>
<td>0.88</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U238</td>
<td>29.900</td>
<td>31.600</td>
<td>1.270</td>
<td>0.95</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>UUG</td>
<td>2.440</td>
<td>2.500</td>
<td>0.130</td>
<td>0.98</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.710</td>
<td>0.702</td>
<td>0.048</td>
<td>1.01</td>
<td>0.23</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>5.690</td>
<td>6.600</td>
<td>1.700</td>
<td>0.99</td>
<td>0.11</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>101.000</td>
<td>117.000</td>
<td>3.270</td>
<td>0.86</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>755.000</td>
<td>1000.000</td>
<td>8.160</td>
<td>0.73</td>
<td>0.03</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>9.750</td>
<td>9.869</td>
<td>0.019</td>
<td>1.02</td>
<td>0.41</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.310</td>
<td>1.120</td>
<td>0.159</td>
<td>1.17</td>
<td>0.24</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>460.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.90</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Laboratory

**Labcode: CC**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>H 3</td>
<td>46.500</td>
<td>3.500</td>
<td>60.300</td>
<td>2.310</td>
<td>0.77</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>45.700</td>
<td>1.500</td>
<td>43.500</td>
<td>2.060</td>
<td>1.05</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.680</td>
<td>0.060</td>
<td>0.591</td>
<td>0.047</td>
<td>1.15</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>2.230</td>
<td>0.170</td>
<td>2.400</td>
<td>0.225</td>
<td>0.93</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.385</td>
<td>0.015</td>
<td>0.373</td>
<td>0.013</td>
<td>1.03</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.230</td>
<td>0.030</td>
<td>0.196</td>
<td>0.006</td>
<td>1.17</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.003</td>
<td>0.000</td>
<td>0.003</td>
<td>0.000</td>
<td>1.31</td>
<td>0.17</td>
<td>N</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.

### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Ratio EML</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AM241</td>
<td>0.201</td>
<td>0.044</td>
<td>0.177</td>
<td>0.003</td>
<td>1.14</td>
<td>0.25</td>
</tr>
<tr>
<td></td>
<td>CE144</td>
<td>56.000</td>
<td>1.370</td>
<td>91.200</td>
<td>0.912</td>
<td>0.61</td>
<td>0.02</td>
</tr>
<tr>
<td></td>
<td>CO 57</td>
<td>8.190</td>
<td>0.231</td>
<td>12.700</td>
<td>0.127</td>
<td>0.65</td>
<td>0.02</td>
</tr>
<tr>
<td></td>
<td>CO 60</td>
<td>2.810</td>
<td>0.229</td>
<td>3.760</td>
<td>0.376</td>
<td>0.75</td>
<td>0.10</td>
</tr>
<tr>
<td></td>
<td>CS134</td>
<td>4.420</td>
<td>0.239</td>
<td>5.760</td>
<td>0.576</td>
<td>0.77</td>
<td>0.09</td>
</tr>
<tr>
<td></td>
<td>CS137</td>
<td>3.880</td>
<td>0.222</td>
<td>5.260</td>
<td>0.526</td>
<td>0.75</td>
<td>0.09</td>
</tr>
<tr>
<td></td>
<td>GA</td>
<td>3.570</td>
<td>0.060</td>
<td>3.220</td>
<td>0.240</td>
<td>1.11</td>
<td>0.09</td>
</tr>
<tr>
<td></td>
<td>GB</td>
<td>1.390</td>
<td>0.065</td>
<td>1.850</td>
<td>0.139</td>
<td>0.75</td>
<td>0.07</td>
</tr>
<tr>
<td></td>
<td>K40</td>
<td>3.560</td>
<td>0.224</td>
<td>4.710</td>
<td>0.470</td>
<td>0.76</td>
<td>0.09</td>
</tr>
<tr>
<td></td>
<td>MN 54</td>
<td>0.134</td>
<td>0.024</td>
<td>0.122</td>
<td>0.004</td>
<td>1.10</td>
<td>0.20</td>
</tr>
<tr>
<td></td>
<td>SR 90</td>
<td>0.095</td>
<td>0.020</td>
<td>0.062</td>
<td>0.002</td>
<td>1.37</td>
<td>0.33</td>
</tr>
<tr>
<td></td>
<td>U 234</td>
<td>0.063</td>
<td>0.012</td>
<td>0.059</td>
<td>0.002</td>
<td>1.07</td>
<td>0.19</td>
</tr>
<tr>
<td></td>
<td>U 238</td>
<td>0.032</td>
<td>0.006</td>
<td>0.002</td>
<td>0.000</td>
<td>15.90</td>
<td>43.20</td>
</tr>
<tr>
<td></td>
<td>CS137</td>
<td>281.000</td>
<td>4.070</td>
<td>266.000</td>
<td>3.560</td>
<td>1.96</td>
<td>0.02</td>
</tr>
<tr>
<td></td>
<td>K 40</td>
<td>396.000</td>
<td>22.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.03</td>
<td>0.09</td>
</tr>
<tr>
<td></td>
<td>PU238</td>
<td>34.000</td>
<td>2.000</td>
<td>32.000</td>
<td>0.597</td>
<td>1.16</td>
<td>0.07</td>
</tr>
<tr>
<td></td>
<td>PU239</td>
<td>7.550</td>
<td>0.833</td>
<td>6.760</td>
<td>0.440</td>
<td>1.12</td>
<td>0.14</td>
</tr>
<tr>
<td></td>
<td>SR 90</td>
<td>28.100</td>
<td>4.560</td>
<td>11.300</td>
<td>1.450</td>
<td>2.49</td>
<td>0.52</td>
</tr>
<tr>
<td></td>
<td>U 234</td>
<td>34.300</td>
<td>12.300</td>
<td>30.300</td>
<td>1.790</td>
<td>1.13</td>
<td>0.41</td>
</tr>
<tr>
<td></td>
<td>U 238</td>
<td>26.000</td>
<td>9.570</td>
<td>31.600</td>
<td>1.270</td>
<td>0.82</td>
<td>0.31</td>
</tr>
<tr>
<td></td>
<td>CS137</td>
<td>125.000</td>
<td>4.920</td>
<td>9.600</td>
<td>9.700</td>
<td>0.90</td>
<td>0.31</td>
</tr>
<tr>
<td></td>
<td>K 40</td>
<td>160.000</td>
<td>2.000</td>
<td>80.000</td>
<td>1.050</td>
<td>1.40</td>
<td>0.60</td>
</tr>
<tr>
<td></td>
<td>CO 57</td>
<td>364.000</td>
<td>5.920</td>
<td>117.000</td>
<td>3.270</td>
<td>1.15</td>
<td>0.07</td>
</tr>
<tr>
<td></td>
<td>PU238</td>
<td>7.550</td>
<td>0.833</td>
<td>6.760</td>
<td>0.440</td>
<td>1.12</td>
<td>0.14</td>
</tr>
<tr>
<td></td>
<td>PU239</td>
<td>7.550</td>
<td>0.833</td>
<td>6.760</td>
<td>0.440</td>
<td>1.12</td>
<td>0.14</td>
</tr>
<tr>
<td></td>
<td>SR 90</td>
<td>28.100</td>
<td>4.560</td>
<td>11.300</td>
<td>1.450</td>
<td>2.49</td>
<td>0.52</td>
</tr>
<tr>
<td></td>
<td>U 234</td>
<td>34.300</td>
<td>12.300</td>
<td>30.300</td>
<td>1.790</td>
<td>1.13</td>
<td>0.41</td>
</tr>
<tr>
<td></td>
<td>U 238</td>
<td>26.000</td>
<td>9.570</td>
<td>31.600</td>
<td>1.270</td>
<td>0.82</td>
<td>0.31</td>
</tr>
</tbody>
</table>

**Notes:**
- **Matrix:** AI, SO, VE, WA
- **Units for matrices:** AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L.
- **Values for elemental uranium are reported in μg/filter, g, or mL.**
- **Evaluation:** A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.338</td>
<td>0.053</td>
<td>0.373</td>
<td>0.013</td>
<td>0.91</td>
<td>0.15</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix:</strong> AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.276</td>
<td>0.070</td>
<td>0.177</td>
<td>0.003</td>
<td>1.56</td>
<td>0.40</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>52.800</td>
<td>4.790</td>
<td>91.200</td>
<td>0.912</td>
<td>0.56</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>9.340</td>
<td>0.420</td>
<td>12.700</td>
<td>0.127</td>
<td>0.74</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>3.650</td>
<td>0.330</td>
<td>3.760</td>
<td>0.376</td>
<td>0.89</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.600</td>
<td>0.560</td>
<td>5.750</td>
<td>0.575</td>
<td>0.86</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.220</td>
<td>0.510</td>
<td>4.710</td>
<td>0.470</td>
<td>0.90</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.126</td>
<td>0.080</td>
<td>0.122</td>
<td>0.004</td>
<td>1.03</td>
<td>0.66</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.124</td>
<td>0.040</td>
<td>0.062</td>
<td>0.002</td>
<td>1.99</td>
<td>0.65</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>10.000</td>
<td>1.460</td>
<td>9.420</td>
<td>0.942</td>
<td>1.06</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.180</td>
<td>0.020</td>
<td>0.091</td>
<td>0.005</td>
<td>1.80</td>
<td>0.24</td>
<td>N</td>
</tr>
<tr>
<td><strong>Matrix:</strong> SO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>5.330</td>
<td>1.400</td>
<td>3.200</td>
<td>0.754</td>
<td>1.57</td>
<td>0.59</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>330.000</td>
<td>10.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.24</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>747.000</td>
<td>100.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.85</td>
<td>0.32</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>36.100</td>
<td>10.300</td>
<td>32.000</td>
<td>0.567</td>
<td>1.19</td>
<td>0.32</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>8.400</td>
<td>3.630</td>
<td>6.750</td>
<td>0.440</td>
<td>1.24</td>
<td>0.54</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>11.000</td>
<td>4.500</td>
<td>11.300</td>
<td>1.500</td>
<td>0.97</td>
<td>0.42</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>34.500</td>
<td>11.500</td>
<td>30.300</td>
<td>1.790</td>
<td>1.14</td>
<td>0.39</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>31.400</td>
<td>11.200</td>
<td>31.600</td>
<td>1.270</td>
<td>0.89</td>
<td>0.36</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>65.800</td>
<td>7.220</td>
<td>63.400</td>
<td>3.200</td>
<td>1.04</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix:</strong> VE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.000</td>
<td>0.600</td>
<td>0.702</td>
<td>0.048</td>
<td>1.43</td>
<td>0.86</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>17.800</td>
<td>7.940</td>
<td>9.600</td>
<td>1.700</td>
<td>1.87</td>
<td>0.99</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>143.000</td>
<td>16.300</td>
<td>117.000</td>
<td>3.270</td>
<td>1.22</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1770.000</td>
<td>213.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.72</td>
<td>0.21</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.750</td>
<td>0.060</td>
<td>0.089</td>
<td>0.019</td>
<td>6.46</td>
<td>2.06</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.470</td>
<td>1.170</td>
<td>1.120</td>
<td>0.159</td>
<td>1.31</td>
<td>1.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>394.000</td>
<td>12.700</td>
<td>512.000</td>
<td>52.500</td>
<td>0.77</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix:</strong> WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.210</td>
<td>0.580</td>
<td>1.330</td>
<td>0.073</td>
<td>1.66</td>
<td>0.45</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>233.000</td>
<td>6.460</td>
<td>196.000</td>
<td>3.490</td>
<td>1.19</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>102.000</td>
<td>3.080</td>
<td>83.500</td>
<td>1.800</td>
<td>1.22</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>99.800</td>
<td>3.400</td>
<td>76.800</td>
<td>2.280</td>
<td>1.30</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>H 40</td>
<td>89.200</td>
<td>8.400</td>
<td>60.300</td>
<td>2.310</td>
<td>1.48</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>53.100</td>
<td>2.440</td>
<td>43.500</td>
<td>5.050</td>
<td>2.060</td>
<td>1.22</td>
<td>0.08</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.950</td>
<td>0.310</td>
<td>0.591</td>
<td>0.047</td>
<td>1.61</td>
<td>0.54</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.270</td>
<td>0.500</td>
<td>2.400</td>
<td>0.225</td>
<td>0.95</td>
<td>0.23</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.450</td>
<td>0.280</td>
<td>0.373</td>
<td>0.013</td>
<td>1.21</td>
<td>0.75</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>0.550</td>
<td>0.060</td>
<td>0.568</td>
<td>0.028</td>
<td>0.97</td>
<td>0.12</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.211</td>
<td>0.038</td>
<td>0.177</td>
<td>0.003</td>
<td>1.19</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>11.280</td>
<td>1.000</td>
<td>12.700</td>
<td>0.127</td>
<td>0.85</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>3.530</td>
<td>0.430</td>
<td>3.760</td>
<td>0.376</td>
<td>0.94</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.540</td>
<td>0.780</td>
<td>5.750</td>
<td>0.575</td>
<td>0.96</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.230</td>
<td>0.680</td>
<td>5.250</td>
<td>0.520</td>
<td>0.99</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>G8</td>
<td>3.670</td>
<td>0.080</td>
<td>3.220</td>
<td>0.240</td>
<td>1.20</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.340</td>
<td>0.080</td>
<td>1.850</td>
<td>0.139</td>
<td>1.27</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>4.710</td>
<td>0.780</td>
<td>4.710</td>
<td>0.470</td>
<td>1.00</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>10.400</td>
<td>1.300</td>
<td>9.420</td>
<td>0.942</td>
<td>1.10</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>6.580</td>
<td>1.280</td>
<td>3.200</td>
<td>0.754</td>
<td>2.06</td>
<td>0.63</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>316.000</td>
<td>33.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.19</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>623.000</td>
<td>120.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.62</td>
<td>0.33</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>2.590</td>
<td>0.610</td>
<td>6.760</td>
<td>0.440</td>
<td>0.38</td>
<td>0.09</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>9.780</td>
<td>4.460</td>
<td>11.300</td>
<td>1.500</td>
<td>0.87</td>
<td>0.41</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U60</td>
<td>17.200</td>
<td>9.500</td>
<td>63.400</td>
<td>3.200</td>
<td>0.27</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>8.530</td>
<td>4.170</td>
<td>9.600</td>
<td>1.700</td>
<td>0.89</td>
<td>0.46</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>132.000</td>
<td>15.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.13</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>1370.000</td>
<td>224.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.33</td>
<td>0.22</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.310</td>
<td>0.230</td>
<td>1.120</td>
<td>0.159</td>
<td>1.17</td>
<td>0.26</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>470.000</td>
<td>22.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.130</td>
<td>0.160</td>
<td>1.330</td>
<td>0.073</td>
<td>0.85</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>207.000</td>
<td>24.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.06</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>79.800</td>
<td>9.100</td>
<td>83.500</td>
<td>1.800</td>
<td>0.96</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>88.000</td>
<td>8.600</td>
<td>76.800</td>
<td>2.280</td>
<td>1.04</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>G8</td>
<td>1650.000</td>
<td>67.000</td>
<td>1340.000</td>
<td>48.000</td>
<td>1.23</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>988.000</td>
<td>39.800</td>
<td>653.000</td>
<td>19.300</td>
<td>1.53</td>
<td>0.07</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>H3</td>
<td>82.600</td>
<td>11.400</td>
<td>60.300</td>
<td>2.710</td>
<td>1.04</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>44.100</td>
<td>5.600</td>
<td>43.500</td>
<td>2.060</td>
<td>1.01</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.228</td>
<td>0.093</td>
<td>0.591</td>
<td>0.047</td>
<td>0.39</td>
<td>0.16</td>
<td>N</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Aceptable, W=Aceptable with Warning, N=Not Acceptable.
## Results by Laboratory

**Labcode: CS**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.160</td>
<td>0.020</td>
<td>0.177</td>
<td>0.003</td>
<td>0.90</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C744</td>
<td>44.300</td>
<td>1.900</td>
<td>43.400</td>
<td>0.127</td>
<td>0.56</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>C0 60</td>
<td>2.600</td>
<td>0.120</td>
<td>3.760</td>
<td>0.376</td>
<td>0.69</td>
<td>0.08</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>3.530</td>
<td>0.130</td>
<td>5.750</td>
<td>0.575</td>
<td>0.61</td>
<td>0.07</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>3.340</td>
<td>0.180</td>
<td>5.280</td>
<td>0.528</td>
<td>0.63</td>
<td>0.07</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.810</td>
<td>0.090</td>
<td>3.220</td>
<td>0.240</td>
<td>1.18</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>3.600</td>
<td>0.080</td>
<td>1.850</td>
<td>0.139</td>
<td>1.95</td>
<td>0.15</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.810</td>
<td>0.200</td>
<td>4.710</td>
<td>0.470</td>
<td>0.85</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>6.040</td>
<td>0.190</td>
<td>9.420</td>
<td>0.942</td>
<td>0.64</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>58.800</td>
<td>2.580</td>
<td>266.000</td>
<td>3.560</td>
<td>0.22</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>111.000</td>
<td>4.890</td>
<td>384.000</td>
<td>27.800</td>
<td>0.29</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>17.100</td>
<td>4.640</td>
<td>31.600</td>
<td>1.270</td>
<td>0.54</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.140</td>
<td>0.030</td>
<td>0.702</td>
<td>0.048</td>
<td>0.20</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>C0 60</td>
<td>2.460</td>
<td>0.140</td>
<td>9.600</td>
<td>1.700</td>
<td>0.26</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>29.600</td>
<td>1.320</td>
<td>117.000</td>
<td>3.270</td>
<td>0.25</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>334.000</td>
<td>15.600</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.32</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.550</td>
<td>0.180</td>
<td>1.330</td>
<td>0.073</td>
<td>1.17</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C0 60</td>
<td>211.000</td>
<td>6.440</td>
<td>196.000</td>
<td>3.490</td>
<td>1.08</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>88.100</td>
<td>1.740</td>
<td>83.500</td>
<td>1.800</td>
<td>1.05</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>85.000</td>
<td>3.680</td>
<td>76.800</td>
<td>2.280</td>
<td>1.11</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>50.900</td>
<td>2.300</td>
<td>43.500</td>
<td>2.060</td>
<td>1.17</td>
<td>0.08</td>
<td>W</td>
</tr>
</tbody>
</table>

- Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
# Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.201</td>
<td>0.000</td>
<td>0.177</td>
<td>0.003</td>
<td>1.14</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co57</td>
<td>11.300</td>
<td>0.000</td>
<td>12.700</td>
<td>0.127</td>
<td>0.09</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co239</td>
<td>3.400</td>
<td>0.000</td>
<td>3.760</td>
<td>0.376</td>
<td>0.08</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.330</td>
<td>0.000</td>
<td>5.750</td>
<td>0.575</td>
<td>0.03</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.570</td>
<td>0.000</td>
<td>5.280</td>
<td>0.528</td>
<td>1.05</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Ga</td>
<td>3.690</td>
<td>0.000</td>
<td>3.220</td>
<td>0.240</td>
<td>1.15</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.720</td>
<td>0.000</td>
<td>1.850</td>
<td>0.139</td>
<td>0.93</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>4.630</td>
<td>0.000</td>
<td>4.710</td>
<td>0.470</td>
<td>0.98</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Pu238</td>
<td>0.124</td>
<td>0.000</td>
<td>0.122</td>
<td>0.004</td>
<td>1.02</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.056</td>
<td>0.000</td>
<td>0.062</td>
<td>0.002</td>
<td>0.93</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Sr89</td>
<td>8.170</td>
<td>0.000</td>
<td>9.420</td>
<td>0.942</td>
<td>0.87</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Sr234</td>
<td>0.094</td>
<td>0.000</td>
<td>0.059</td>
<td>0.002</td>
<td>1.59</td>
<td>0.04</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U238</td>
<td>0.019</td>
<td>0.000</td>
<td>0.002</td>
<td>0.000</td>
<td>9.65</td>
<td>0.97</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U Bq</td>
<td>13.000</td>
<td>0.000</td>
<td>0.091</td>
<td>0.005</td>
<td>143.00</td>
<td>7.85</td>
<td>N</td>
<td></td>
</tr>
</tbody>
</table>

Matrix: SO

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.004</td>
<td>0.000</td>
<td>3.200</td>
<td>0.754</td>
<td>0.00</td>
<td>0.00</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>310.000</td>
<td>0.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.17</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>347.000</td>
<td>0.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.90</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Pu238</td>
<td>0.031</td>
<td>0.000</td>
<td>32.000</td>
<td>0.567</td>
<td>0.00</td>
<td>0.00</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.009</td>
<td>0.000</td>
<td>6.760</td>
<td>0.440</td>
<td>0.00</td>
<td>0.00</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Sr234</td>
<td>11.000</td>
<td>0.000</td>
<td>11.300</td>
<td>1.500</td>
<td>0.97</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.028</td>
<td>0.000</td>
<td>30.300</td>
<td>1.790</td>
<td>0.00</td>
<td>0.00</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U Bq</td>
<td>0.029</td>
<td>0.000</td>
<td>31.600</td>
<td>1.270</td>
<td>0.00</td>
<td>0.00</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U Bq</td>
<td>1.720</td>
<td>0.000</td>
<td>63.400</td>
<td>3.200</td>
<td>0.03</td>
<td>0.00</td>
<td>N</td>
<td></td>
</tr>
</tbody>
</table>

Matrix: VE

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.180</td>
<td>0.000</td>
<td>0.702</td>
<td>0.048</td>
<td>1.68</td>
<td>0.12</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co57</td>
<td>8.400</td>
<td>0.000</td>
<td>9.800</td>
<td>1.700</td>
<td>0.88</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co137</td>
<td>140.000</td>
<td>0.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.20</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>933.000</td>
<td>0.000</td>
<td>100.000</td>
<td>8.160</td>
<td>0.91</td>
<td>0.01</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Pu238</td>
<td>0.004</td>
<td>0.000</td>
<td>0.099</td>
<td>0.019</td>
<td>0.04</td>
<td>0.04</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>1.180</td>
<td>0.000</td>
<td>1.120</td>
<td>0.150</td>
<td>1.05</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Sr234</td>
<td>405.000</td>
<td>0.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.79</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Matrix: WA

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Co57</td>
<td>230.000</td>
<td>0.000</td>
<td>156.000</td>
<td>3.490</td>
<td>1.17</td>
<td>0.02</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co134</td>
<td>95.700</td>
<td>0.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.15</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co137</td>
<td>95.000</td>
<td>0.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.24</td>
<td>0.04</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Ga</td>
<td>1390.000</td>
<td>0.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>886.000</td>
<td>0.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.33</td>
<td>0.04</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>53.000</td>
<td>0.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.22</td>
<td>0.06</td>
<td>W</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PU239</td>
<td>122.000</td>
<td>0.000</td>
<td>0.591</td>
<td>0.047</td>
<td>206.00</td>
<td>16.60</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.150</td>
<td>0.000</td>
<td>2.400</td>
<td>0.225</td>
<td>0.90</td>
<td>0.08</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

**Labcode: EB**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.670</td>
<td>0.162</td>
<td>3.200</td>
<td>0.754</td>
<td>0.52</td>
<td>0.14</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>28.300</td>
<td>0.000</td>
<td>32.000</td>
<td>0.567</td>
<td>0.82</td>
<td>0.01</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>16.000</td>
<td>0.703</td>
<td>6.760</td>
<td>0.440</td>
<td>2.37</td>
<td>0.19</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>16.700</td>
<td>0.667</td>
<td>30.300</td>
<td>1.780</td>
<td>0.55</td>
<td>0.04</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.595</td>
<td>0.098</td>
<td>1.590</td>
<td>0.075</td>
<td>0.37</td>
<td>0.06</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>U 239</td>
<td>16.000</td>
<td>0.653</td>
<td>31.600</td>
<td>1.270</td>
<td>0.51</td>
<td>0.03</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.370</td>
<td>0.000</td>
<td>0.702</td>
<td>0.048</td>
<td>0.53</td>
<td>0.04</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.230</td>
<td>0.001</td>
<td>0.089</td>
<td>0.019</td>
<td>2.59</td>
<td>0.57</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.100</td>
<td>0.000</td>
<td>1.120</td>
<td>0.159</td>
<td>0.09</td>
<td>0.01</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.250</td>
<td>0.091</td>
<td>1.330</td>
<td>0.073</td>
<td>0.94</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>85.600</td>
<td>0.000</td>
<td>60.300</td>
<td>2.310</td>
<td>1.42</td>
<td>0.05</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.801</td>
<td>0.052</td>
<td>0.591</td>
<td>0.047</td>
<td>1.02</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.289</td>
<td>0.036</td>
<td>0.373</td>
<td>0.013</td>
<td>0.72</td>
<td>0.10</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.065</td>
<td>0.008</td>
<td>0.196</td>
<td>0.006</td>
<td>0.33</td>
<td>0.04</td>
<td>N</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

**Labcode: EE**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported Value</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.181</td>
<td>0.017</td>
<td>0.177</td>
<td>0.003</td>
<td>1.02</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO57</td>
<td>9.850</td>
<td>0.955</td>
<td>12.700</td>
<td>0.127</td>
<td>0.75</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>3.270</td>
<td>0.289</td>
<td>3.760</td>
<td>0.376</td>
<td>0.87</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.770</td>
<td>1.110</td>
<td>5.750</td>
<td>0.575</td>
<td>0.93</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.830</td>
<td>0.773</td>
<td>5.280</td>
<td>0.528</td>
<td>0.92</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>4.460</td>
<td>0.494</td>
<td>4.710</td>
<td>0.470</td>
<td>0.95</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu238</td>
<td>0.117</td>
<td>0.013</td>
<td>0.122</td>
<td>0.004</td>
<td>0.98</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.062</td>
<td>0.008</td>
<td>0.062</td>
<td>0.002</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr125</td>
<td>9.070</td>
<td>1.020</td>
<td>9.420</td>
<td>0.942</td>
<td>0.96</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr90</td>
<td>0.991</td>
<td>0.228</td>
<td>0.729</td>
<td>0.054</td>
<td>1.33</td>
<td>0.32</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.550</td>
<td>0.932</td>
<td>3.200</td>
<td>0.754</td>
<td>0.80</td>
<td>0.35</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>282.000</td>
<td>13.500</td>
<td>266.000</td>
<td>3.560</td>
<td>1.06</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>393.000</td>
<td>17.600</td>
<td>384.000</td>
<td>27.800</td>
<td>1.02</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu238</td>
<td>31.200</td>
<td>1.900</td>
<td>32.000</td>
<td>0.567</td>
<td>0.98</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>6.730</td>
<td>0.444</td>
<td>6.760</td>
<td>0.440</td>
<td>1.00</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U234</td>
<td>23.000</td>
<td>2.980</td>
<td>30.300</td>
<td>1.790</td>
<td>0.76</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U238</td>
<td>23.000</td>
<td>2.980</td>
<td>31.600</td>
<td>1.270</td>
<td>0.73</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.873</td>
<td>0.090</td>
<td>0.702</td>
<td>0.048</td>
<td>1.24</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>7.490</td>
<td>0.628</td>
<td>9.600</td>
<td>1.700</td>
<td>0.78</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>115.000</td>
<td>8.010</td>
<td>117.000</td>
<td>3.270</td>
<td>0.98</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>940.000</td>
<td>61.200</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.91</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>1.380</td>
<td>0.123</td>
<td>1.120</td>
<td>0.159</td>
<td>1.23</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr90</td>
<td>470.000</td>
<td>9.550</td>
<td>512.000</td>
<td>52.500</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.370</td>
<td>0.100</td>
<td>1.330</td>
<td>0.073</td>
<td>1.03</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>204.000</td>
<td>7.020</td>
<td>196.000</td>
<td>3.490</td>
<td>1.04</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>82.100</td>
<td>2.690</td>
<td>83.500</td>
<td>1.800</td>
<td>0.98</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>82.900</td>
<td>1.620</td>
<td>76.800</td>
<td>2.280</td>
<td>1.08</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Ga36</td>
<td>1860.000</td>
<td>39.500</td>
<td>1340.000</td>
<td>40.800</td>
<td>1.40</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Ge68</td>
<td>884.000</td>
<td>19.600</td>
<td>653.000</td>
<td>19.300</td>
<td>1.35</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Mn54</td>
<td>47.400</td>
<td>1.810</td>
<td>43.500</td>
<td>2.060</td>
<td>1.09</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.767</td>
<td>0.057</td>
<td>0.591</td>
<td>0.047</td>
<td>1.20</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Sr90</td>
<td>2.350</td>
<td>0.500</td>
<td>2.400</td>
<td>0.225</td>
<td>0.98</td>
<td>0.23</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CE144</td>
<td>64.000</td>
<td>5.000</td>
<td>91.200</td>
<td>0.912</td>
<td>0.70</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>10.100</td>
<td>0.700</td>
<td>12.700</td>
<td>0.127</td>
<td>0.80</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.300</td>
<td>0.300</td>
<td>3.760</td>
<td>0.376</td>
<td>0.88</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.600</td>
<td>0.400</td>
<td>5.750</td>
<td>0.575</td>
<td>0.97</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.600</td>
<td>0.300</td>
<td>5.200</td>
<td>0.529</td>
<td>0.87</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>4.000</td>
<td>0.300</td>
<td>3.220</td>
<td>0.240</td>
<td>1.24</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.800</td>
<td>0.400</td>
<td>1.850</td>
<td>0.139</td>
<td>1.51</td>
<td>0.24</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>4.100</td>
<td>0.300</td>
<td>4.710</td>
<td>0.470</td>
<td>0.87</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>9.500</td>
<td>0.700</td>
<td>9.420</td>
<td>0.942</td>
<td>1.01</td>
<td>0.13</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: AI**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.720</td>
<td>0.280</td>
<td>3.200</td>
<td>0.754</td>
<td>0.85</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>294.000</td>
<td>22.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.11</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>352.000</td>
<td>33.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.92</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu 238</td>
<td>36.500</td>
<td>2.300</td>
<td>32.000</td>
<td>0.567</td>
<td>1.15</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Pu 239</td>
<td>7.150</td>
<td>0.540</td>
<td>6.760</td>
<td>0.440</td>
<td>1.06</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>13.000</td>
<td>3.000</td>
<td>11.300</td>
<td>1.500</td>
<td>1.15</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>32.800</td>
<td>2.000</td>
<td>30.300</td>
<td>1.790</td>
<td>1.09</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>1.720</td>
<td>0.220</td>
<td>1.590</td>
<td>0.075</td>
<td>1.08</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>32.200</td>
<td>2.000</td>
<td>31.600</td>
<td>1.270</td>
<td>1.02</td>
<td>0.08</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: SO**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CO 60</td>
<td>8.800</td>
<td>1.700</td>
<td>9.600</td>
<td>1.700</td>
<td>0.92</td>
<td>0.24</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Cs 137</td>
<td>125.000</td>
<td>10.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.07</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1070.000</td>
<td>87.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.04</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>585.000</td>
<td>48.000</td>
<td>512.000</td>
<td>52.500</td>
<td>1.14</td>
<td>0.15</td>
<td>W</td>
</tr>
</tbody>
</table>

**Matrix: VE**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CO 60</td>
<td>209.000</td>
<td>15.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.07</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Cs 134</td>
<td>92.000</td>
<td>6.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.10</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Cs 137</td>
<td>85.000</td>
<td>6.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.11</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Fe 55</td>
<td>118.000</td>
<td>3.000</td>
<td>118.000</td>
<td>5.720</td>
<td>0.98</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Ga</td>
<td>1350.000</td>
<td>89.000</td>
<td>1340.000</td>
<td>40.900</td>
<td>0.99</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>53.000</td>
<td>13.000</td>
<td>60.300</td>
<td>2.310</td>
<td>0.88</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>47.000</td>
<td>4.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.08</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu 239</td>
<td>0.640</td>
<td>0.050</td>
<td>0.591</td>
<td>0.047</td>
<td>1.09</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>2.100</td>
<td>0.200</td>
<td>2.400</td>
<td>0.225</td>
<td>0.88</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.390</td>
<td>0.040</td>
<td>0.373</td>
<td>0.013</td>
<td>1.05</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.200</td>
<td>0.030</td>
<td>0.196</td>
<td>0.006</td>
<td>1.02</td>
<td>0.16</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: WA**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
</table>

**Units for matrices:** AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nuclide</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.120</td>
<td>0.010</td>
<td>0.177</td>
<td>0.003</td>
<td>0.68</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>81.900</td>
<td>6.100</td>
<td>91.200</td>
<td>0.912</td>
<td>0.90</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>12.100</td>
<td>0.600</td>
<td>12.700</td>
<td>0.127</td>
<td>0.95</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.400</td>
<td>0.200</td>
<td>3.760</td>
<td>0.376</td>
<td>0.90</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.200</td>
<td>0.300</td>
<td>5.750</td>
<td>0.575</td>
<td>0.90</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.290</td>
<td>0.300</td>
<td>5.280</td>
<td>0.528</td>
<td>0.81</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.880</td>
<td>0.200</td>
<td>4.710</td>
<td>0.470</td>
<td>1.06</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR125</td>
<td>3.880</td>
<td>0.200</td>
<td>9.420</td>
<td>0.942</td>
<td>0.41</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>1.140</td>
<td>0.100</td>
<td>0.739</td>
<td>0.054</td>
<td>1.54</td>
<td>0.18</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.720</td>
<td>0.040</td>
<td>0.059</td>
<td>0.002</td>
<td>12.20</td>
<td>0.75</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.100</td>
<td>0.010</td>
<td>0.002</td>
<td>0.000</td>
<td>50.00</td>
<td>7.07</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>3.100</td>
<td>0.200</td>
<td>0.538</td>
<td>0.021</td>
<td>5.76</td>
<td>0.43</td>
<td>N</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.760</td>
<td>0.300</td>
<td>3.200</td>
<td>0.754</td>
<td>0.55</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>233.000</td>
<td>8.000</td>
<td>266.000</td>
<td>3.560</td>
<td>0.88</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>350.000</td>
<td>17.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.91</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>18.500</td>
<td>0.500</td>
<td>11.300</td>
<td>1.500</td>
<td>1.64</td>
<td>0.22</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>29.600</td>
<td>1.500</td>
<td>30.300</td>
<td>1.790</td>
<td>0.98</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>31.500</td>
<td>1.500</td>
<td>31.600</td>
<td>1.270</td>
<td>1.00</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>61.100</td>
<td>1.500</td>
<td>63.400</td>
<td>3.200</td>
<td>0.86</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.740</td>
<td>0.050</td>
<td>0.702</td>
<td>0.048</td>
<td>1.05</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>10.900</td>
<td>0.800</td>
<td>9.600</td>
<td>1.700</td>
<td>1.14</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>109.000</td>
<td>5.200</td>
<td>117.000</td>
<td>3.270</td>
<td>0.93</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>966.000</td>
<td>15.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.94</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>537.000</td>
<td>26.000</td>
<td>512.000</td>
<td>52.500</td>
<td>1.05</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.350</td>
<td>0.020</td>
<td>1.330</td>
<td>0.073</td>
<td>0.26</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>195.000</td>
<td>8.300</td>
<td>196.000</td>
<td>3.490</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>77.300</td>
<td>4.100</td>
<td>83.500</td>
<td>1.800</td>
<td>0.93</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>68.900</td>
<td>3.100</td>
<td>76.800</td>
<td>2.280</td>
<td>0.90</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>68.900</td>
<td>3.100</td>
<td>76.800</td>
<td>2.280</td>
<td>0.90</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>47.500</td>
<td>6.700</td>
<td>60.300</td>
<td>2.310</td>
<td>0.79</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>57.200</td>
<td>4.300</td>
<td>43.500</td>
<td>2.060</td>
<td>1.32</td>
<td>0.12</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>1.870</td>
<td>0.500</td>
<td>2.400</td>
<td>0.225</td>
<td>0.70</td>
<td>0.22</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.020</td>
<td>0.030</td>
<td>0.573</td>
<td>0.013</td>
<td>1.65</td>
<td>0.08</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.003</td>
<td>0.000</td>
<td>0.003</td>
<td>0.000</td>
<td>1.04</td>
<td>0.06</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>86.900</td>
<td>12.900</td>
<td>91.200</td>
<td>0.912</td>
<td>0.95</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO57</td>
<td>12.600</td>
<td>0.999</td>
<td>12.700</td>
<td>0.127</td>
<td>0.99</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>4.030</td>
<td>0.333</td>
<td>3.760</td>
<td>0.376</td>
<td>1.07</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>6.400</td>
<td>0.629</td>
<td>5.750</td>
<td>0.575</td>
<td>1.11</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.620</td>
<td>0.481</td>
<td>5.280</td>
<td>0.528</td>
<td>1.06</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>5.200</td>
<td>0.661</td>
<td>4.710</td>
<td>0.470</td>
<td>1.10</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.129</td>
<td>0.014</td>
<td>0.122</td>
<td>0.004</td>
<td>1.05</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.069</td>
<td>0.008</td>
<td>0.062</td>
<td>0.002</td>
<td>1.08</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>10.400</td>
<td>1.520</td>
<td>9.420</td>
<td>0.942</td>
<td>1.10</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>31.900</td>
<td>2.500</td>
<td>32.000</td>
<td>0.567</td>
<td>1.00</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>6.920</td>
<td>0.620</td>
<td>6.760</td>
<td>0.440</td>
<td>1.02</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.060</td>
<td>0.149</td>
<td>1.120</td>
<td>0.159</td>
<td>0.95</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>455.000</td>
<td>13.800</td>
<td>512.000</td>
<td>52.500</td>
<td>0.89</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>245.000</td>
<td>10.200</td>
<td>196.000</td>
<td>3.490</td>
<td>1.25</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>105.000</td>
<td>98.800</td>
<td>83.500</td>
<td>1.900</td>
<td>1.30</td>
<td>1.18</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>98.600</td>
<td>73.300</td>
<td>76.800</td>
<td>2.280</td>
<td>1.28</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>55.200</td>
<td>6.430</td>
<td>43.500</td>
<td>2.060</td>
<td>1.27</td>
<td>0.16</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.651</td>
<td>0.069</td>
<td>0.591</td>
<td>0.047</td>
<td>1.10</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>2.600</td>
<td>0.402</td>
<td>2.400</td>
<td>0.225</td>
<td>1.08</td>
<td>0.20</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
# Results by Laboratory

<table>
<thead>
<tr>
<th>Test Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AM241</td>
<td>0.210</td>
<td>0.020</td>
<td>0.177</td>
<td>0.003</td>
<td>1.19</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>CE144</td>
<td>63.800</td>
<td>0.930</td>
<td>91.200</td>
<td>0.912</td>
<td>0.70</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>Co 57</td>
<td>9.360</td>
<td>0.130</td>
<td>12.700</td>
<td>0.127</td>
<td>0.74</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>Co 60</td>
<td>3.060</td>
<td>0.120</td>
<td>3.760</td>
<td>0.376</td>
<td>0.81</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>CS134</td>
<td>4.610</td>
<td>0.110</td>
<td>5.750</td>
<td>0.575</td>
<td>0.80</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>CS137</td>
<td>4.460</td>
<td>0.160</td>
<td>5.280</td>
<td>0.528</td>
<td>0.85</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>7.740</td>
<td>1.340</td>
<td>3.220</td>
<td>0.240</td>
<td>2.40</td>
<td>0.45</td>
<td>N</td>
</tr>
<tr>
<td>GB</td>
<td>2.890</td>
<td>0.500</td>
<td>1.550</td>
<td>0.139</td>
<td>1.56</td>
<td>0.30</td>
<td>N</td>
</tr>
<tr>
<td>MN 54</td>
<td>3.880</td>
<td>0.170</td>
<td>4.710</td>
<td>0.470</td>
<td>0.85</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>Pu238</td>
<td>0.090</td>
<td>0.050</td>
<td>0.122</td>
<td>0.004</td>
<td>0.74</td>
<td>0.41</td>
<td>A</td>
</tr>
<tr>
<td>Pu239</td>
<td>0.060</td>
<td>0.020</td>
<td>0.082</td>
<td>0.002</td>
<td>0.86</td>
<td>0.32</td>
<td>A</td>
</tr>
<tr>
<td>SB125</td>
<td>7.780</td>
<td>0.250</td>
<td>9.420</td>
<td>0.942</td>
<td>0.83</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>Sr 90</td>
<td>3.560</td>
<td>0.020</td>
<td>0.720</td>
<td>0.05</td>
<td>1.80</td>
<td>0.91</td>
<td>N</td>
</tr>
<tr>
<td>U 234</td>
<td>0.110</td>
<td>0.020</td>
<td>0.100</td>
<td>0.002</td>
<td>1.86</td>
<td>0.34</td>
<td>N</td>
</tr>
<tr>
<td>U BQ</td>
<td>0.160</td>
<td>0.030</td>
<td>0.100</td>
<td>0.005</td>
<td>1.76</td>
<td>0.34</td>
<td>N</td>
</tr>
<tr>
<td>U UG</td>
<td>0.600</td>
<td>0.000</td>
<td>0.538</td>
<td>0.021</td>
<td>1.12</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AM241</td>
<td>2.960</td>
<td>1.330</td>
<td>3.200</td>
<td>0.254</td>
<td>0.93</td>
<td>0.47</td>
<td>A</td>
</tr>
<tr>
<td>CS137</td>
<td>301.000</td>
<td>5.140</td>
<td>266.000</td>
<td>3.560</td>
<td>1.13</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>K 40</td>
<td>418.000</td>
<td>27.600</td>
<td>384.000</td>
<td>27.800</td>
<td>1.09</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>Pu238</td>
<td>31.800</td>
<td>3.850</td>
<td>32.000</td>
<td>0.567</td>
<td>1.00</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>Pu239</td>
<td>8.880</td>
<td>1.280</td>
<td>6.760</td>
<td>0.440</td>
<td>1.31</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>Sr 90</td>
<td>28.800</td>
<td>0.500</td>
<td>13.000</td>
<td>1.500</td>
<td>2.53</td>
<td>0.56</td>
<td>N</td>
</tr>
<tr>
<td>U 234</td>
<td>26.500</td>
<td>3.010</td>
<td>30.300</td>
<td>1.790</td>
<td>0.98</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>U 238</td>
<td>22.600</td>
<td>2.370</td>
<td>31.600</td>
<td>1.270</td>
<td>0.72</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>U BQ</td>
<td>50.100</td>
<td>6.000</td>
<td>63.400</td>
<td>3.200</td>
<td>0.79</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>U UG</td>
<td>0.600</td>
<td>0.000</td>
<td>0.538</td>
<td>0.021</td>
<td>1.12</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AM241</td>
<td>0.670</td>
<td>0.310</td>
<td>0.702</td>
<td>0.048</td>
<td>0.95</td>
<td>0.45</td>
<td>A</td>
</tr>
<tr>
<td>Co 57</td>
<td>8.890</td>
<td>1.900</td>
<td>9.600</td>
<td>1.700</td>
<td>0.93</td>
<td>0.26</td>
<td>A</td>
</tr>
<tr>
<td>CS137</td>
<td>143.000</td>
<td>5.650</td>
<td>117.000</td>
<td>3.270</td>
<td>1.22</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>K 40</td>
<td>1170.000</td>
<td>68.400</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.14</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>Pu238</td>
<td>0.160</td>
<td>0.270</td>
<td>0.089</td>
<td>0.019</td>
<td>1.39</td>
<td>3.07</td>
<td>W</td>
</tr>
<tr>
<td>Pu239</td>
<td>1.010</td>
<td>0.180</td>
<td>1.120</td>
<td>0.159</td>
<td>0.80</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>Sr 90</td>
<td>514.000</td>
<td>33.300</td>
<td>512.000</td>
<td>52.500</td>
<td>1.00</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AM241</td>
<td>1.310</td>
<td>0.171</td>
<td>1.330</td>
<td>0.073</td>
<td>0.99</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>Co 57</td>
<td>210.000</td>
<td>1.680</td>
<td>196.000</td>
<td>3.490</td>
<td>1.07</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>CS134</td>
<td>92.700</td>
<td>0.970</td>
<td>83.500</td>
<td>1.800</td>
<td>1.11</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>CS137</td>
<td>88.500</td>
<td>1.380</td>
<td>76.800</td>
<td>2.280</td>
<td>1.15</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>Ga</td>
<td>1460.000</td>
<td>175.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.09</td>
<td>0.14</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
# Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GB</td>
<td>843.000</td>
<td>62.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.29</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>93.400</td>
<td>16.300</td>
<td>60.300</td>
<td>2.310</td>
<td>1.55</td>
<td>0.28</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>48.300</td>
<td>1.240</td>
<td>43.500</td>
<td>2.060</td>
<td>1.11</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.633</td>
<td>0.071</td>
<td>0.591</td>
<td>0.047</td>
<td>1.07</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>5.190</td>
<td>0.910</td>
<td>2.400</td>
<td>0.225</td>
<td>2.16</td>
<td>0.43</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.340</td>
<td>0.040</td>
<td>0.373</td>
<td>0.013</td>
<td>0.31</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U Bq</td>
<td>0.603</td>
<td>0.082</td>
<td>0.568</td>
<td>0.026</td>
<td>1.06</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.003</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
<td>0.98</td>
<td>0.05</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.221</td>
<td>0.025</td>
<td>0.177</td>
<td>0.003</td>
<td>1.25</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>58.500</td>
<td>2.860</td>
<td>91.200</td>
<td>0.912</td>
<td>0.64</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>8.120</td>
<td>0.314</td>
<td>12.700</td>
<td>0.127</td>
<td>0.64</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>2.860</td>
<td>0.113</td>
<td>3.760</td>
<td>0.376</td>
<td>0.76</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.670</td>
<td>0.158</td>
<td>5.750</td>
<td>0.575</td>
<td>0.81</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>3.840</td>
<td>0.206</td>
<td>5.280</td>
<td>0.528</td>
<td>0.73</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.220</td>
<td>0.028</td>
<td>3.220</td>
<td>0.240</td>
<td>1.00</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.560</td>
<td>0.017</td>
<td>1.650</td>
<td>0.139</td>
<td>0.84</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>9.800</td>
<td>0.216</td>
<td>4.710</td>
<td>0.470</td>
<td>0.76</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.122</td>
<td>0.011</td>
<td>0.122</td>
<td>0.004</td>
<td>1.00</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.063</td>
<td>0.007</td>
<td>0.062</td>
<td>0.002</td>
<td>1.01</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>7.950</td>
<td>0.239</td>
<td>9.420</td>
<td>0.942</td>
<td>0.83</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.618</td>
<td>0.031</td>
<td>0.739</td>
<td>0.054</td>
<td>0.84</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.452</td>
<td>0.007</td>
<td>0.538</td>
<td>0.021</td>
<td>0.84</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.620</td>
<td>0.783</td>
<td>3.200</td>
<td>0.754</td>
<td>0.82</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>292.000</td>
<td>15.100</td>
<td>266.000</td>
<td>3.560</td>
<td>1.10</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>428.000</td>
<td>26.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.12</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>36.600</td>
<td>2.280</td>
<td>32.000</td>
<td>0.567</td>
<td>1.14</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.390</td>
<td>0.614</td>
<td>6.760</td>
<td>0.440</td>
<td>1.09</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>3.960</td>
<td>0.289</td>
<td>11.300</td>
<td>1.500</td>
<td>0.35</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>1.970</td>
<td>0.030</td>
<td>2.500</td>
<td>0.130</td>
<td>0.79</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.498</td>
<td>0.076</td>
<td>0.702</td>
<td>0.048</td>
<td>0.71</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>6.790</td>
<td>0.866</td>
<td>9.800</td>
<td>1.700</td>
<td>1.02</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>142.000</td>
<td>8.330</td>
<td>117.000</td>
<td>3.270</td>
<td>1.21</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1390.000</td>
<td>75.500</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.35</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.185</td>
<td>0.018</td>
<td>0.089</td>
<td>0.019</td>
<td>2.09</td>
<td>0.50</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.070</td>
<td>0.064</td>
<td>1.120</td>
<td>0.159</td>
<td>0.96</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>315.000</td>
<td>11.500</td>
<td>512.000</td>
<td>52.500</td>
<td>0.62</td>
<td>0.07</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: **AI=Bq/filter**  **SO=Bq/kg**  **VE=Bq/kg**  **WA=Bq/L**. Values for elemental uranium are reported in **μg/filter**, g, or mL.

Evaluation: **A=Acceptable**, **W=Acceptable with Warning**, **N=Not Acceptable**.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>EML Value</th>
<th>Reported EML Value</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.003</td>
<td>0.000</td>
<td>0.000</td>
<td>1.05</td>
<td>0.05</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

**Labcode: FG**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AM241</td>
<td>0.180</td>
<td>0.030</td>
<td>0.177</td>
<td>0.003</td>
<td>1.02</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>CE144</td>
<td>89.600</td>
<td>2.400</td>
<td>91.200</td>
<td>0.912</td>
<td>0.98</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Co 57</td>
<td>12.500</td>
<td>0.500</td>
<td>12.700</td>
<td>0.127</td>
<td>0.98</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Co 60</td>
<td>3.480</td>
<td>0.380</td>
<td>3.760</td>
<td>0.376</td>
<td>0.93</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>CS134</td>
<td>5.560</td>
<td>0.460</td>
<td>5.750</td>
<td>0.575</td>
<td>0.97</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>CS137</td>
<td>5.110</td>
<td>0.490</td>
<td>5.280</td>
<td>0.528</td>
<td>0.97</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>GA</td>
<td>4.000</td>
<td>0.130</td>
<td>3.220</td>
<td>0.240</td>
<td>1.24</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>GB</td>
<td>1.000</td>
<td>0.120</td>
<td>1.850</td>
<td>0.139</td>
<td>0.54</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>MN 54</td>
<td>4.500</td>
<td>0.460</td>
<td>4.710</td>
<td>0.470</td>
<td>0.96</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>SB125</td>
<td>9.280</td>
<td>0.800</td>
<td>9.420</td>
<td>0.942</td>
<td>0.99</td>
<td>0.13</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: AI**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AM241</td>
<td>3.300</td>
<td>0.900</td>
<td>3.200</td>
<td>0.754</td>
<td>1.03</td>
<td>0.37</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>CS137</td>
<td>317.000</td>
<td>3.400</td>
<td>266.000</td>
<td>3.560</td>
<td>1.19</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>K 40</td>
<td>477.000</td>
<td>11.600</td>
<td>384.000</td>
<td>27.800</td>
<td>1.24</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>PU238</td>
<td>8.100</td>
<td>0.500</td>
<td>32.000</td>
<td>0.567</td>
<td>0.25</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>PU239</td>
<td>5.200</td>
<td>0.400</td>
<td>6.760</td>
<td>0.440</td>
<td>0.77</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>U BQ</td>
<td>26.700</td>
<td>1.700</td>
<td>63.400</td>
<td>3.200</td>
<td>0.42</td>
<td>0.03</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: SO**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AM241</td>
<td>1.720</td>
<td>0.300</td>
<td>1.330</td>
<td>0.073</td>
<td>1.29</td>
<td>0.24</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>Co 60</td>
<td>234.000</td>
<td>9.600</td>
<td>196.000</td>
<td>3.480</td>
<td>1.19</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td></td>
<td>CS134</td>
<td>118.000</td>
<td>4.300</td>
<td>83.500</td>
<td>1.800</td>
<td>1.39</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td></td>
<td>CS137</td>
<td>98.800</td>
<td>3.700</td>
<td>76.800</td>
<td>2.280</td>
<td>1.29</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>GA</td>
<td>1320.000</td>
<td>56.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.88</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>GB</td>
<td>803.000</td>
<td>59.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.23</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>H 3</td>
<td>67.000</td>
<td>11.000</td>
<td>60.300</td>
<td>2.310</td>
<td>1.11</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>PU238</td>
<td>0.800</td>
<td>0.200</td>
<td>0.591</td>
<td>0.047</td>
<td>1.35</td>
<td>0.36</td>
<td>N</td>
</tr>
<tr>
<td></td>
<td>SR 90</td>
<td>2.990</td>
<td>0.200</td>
<td>2.400</td>
<td>0.225</td>
<td>1.25</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>U BQ</td>
<td>0.660</td>
<td>0.200</td>
<td>0.568</td>
<td>0.028</td>
<td>1.16</td>
<td>0.36</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: WA**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AM241</td>
<td>1.720</td>
<td>0.300</td>
<td>1.330</td>
<td>0.073</td>
<td>1.29</td>
<td>0.24</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>Co 60</td>
<td>234.000</td>
<td>9.600</td>
<td>196.000</td>
<td>3.480</td>
<td>1.19</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td></td>
<td>CS134</td>
<td>118.000</td>
<td>4.300</td>
<td>83.500</td>
<td>1.800</td>
<td>1.39</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td></td>
<td>CS137</td>
<td>98.800</td>
<td>3.700</td>
<td>76.800</td>
<td>2.280</td>
<td>1.29</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>GA</td>
<td>1320.000</td>
<td>56.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.88</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>GB</td>
<td>803.000</td>
<td>59.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.23</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>H 3</td>
<td>67.000</td>
<td>11.000</td>
<td>60.300</td>
<td>2.310</td>
<td>1.11</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>PU238</td>
<td>0.800</td>
<td>0.200</td>
<td>0.591</td>
<td>0.047</td>
<td>1.35</td>
<td>0.36</td>
<td>N</td>
</tr>
<tr>
<td></td>
<td>SR 90</td>
<td>2.990</td>
<td>0.200</td>
<td>2.400</td>
<td>0.225</td>
<td>1.25</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>U BQ</td>
<td>0.660</td>
<td>0.200</td>
<td>0.568</td>
<td>0.028</td>
<td>1.16</td>
<td>0.36</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: A1</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.195</td>
<td>0.055</td>
<td>0.177</td>
<td>0.003</td>
<td>1.10</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>58.800</td>
<td>0.300</td>
<td>91.200</td>
<td>0.912</td>
<td>0.66</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Co 57</td>
<td>8.570</td>
<td>0.110</td>
<td>12.700</td>
<td>0.127</td>
<td>0.68</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>2.830</td>
<td>0.090</td>
<td>3.760</td>
<td>0.376</td>
<td>0.75</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.330</td>
<td>0.040</td>
<td>5.760</td>
<td>0.575</td>
<td>0.75</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.400</td>
<td>0.100</td>
<td>5.280</td>
<td>0.528</td>
<td>0.85</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.820</td>
<td>0.130</td>
<td>3.220</td>
<td>0.240</td>
<td>1.19</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.510</td>
<td>0.050</td>
<td>1.850</td>
<td>0.138</td>
<td>1.36</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.910</td>
<td>0.070</td>
<td>4.710</td>
<td>0.470</td>
<td>0.83</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.113</td>
<td>0.003</td>
<td>0.122</td>
<td>0.004</td>
<td>0.93</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.062</td>
<td>0.002</td>
<td>0.062</td>
<td>0.002</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.400</td>
<td>0.100</td>
<td>9.420</td>
<td>0.942</td>
<td>0.89</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.500</td>
<td>0.400</td>
<td>3.200</td>
<td>0.754</td>
<td>0.78</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>269.000</td>
<td>10.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.01</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>371.000</td>
<td>17.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.97</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>33.500</td>
<td>1.250</td>
<td>32.000</td>
<td>0.567</td>
<td>1.06</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>6.440</td>
<td>0.410</td>
<td>6.760</td>
<td>0.440</td>
<td>0.95</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>73.200</td>
<td>25.900</td>
<td>63.400</td>
<td>3.200</td>
<td>1.16</td>
<td>0.41</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.260</td>
<td>0.355</td>
<td>0.702</td>
<td>0.048</td>
<td>1.80</td>
<td>0.52</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>8.200</td>
<td>0.140</td>
<td>9.600</td>
<td>1.700</td>
<td>0.85</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>134.000</td>
<td>2.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.15</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1090.000</td>
<td>15.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.06</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.700</td>
<td>0.040</td>
<td>1.330</td>
<td>0.073</td>
<td>1.28</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>200.000</td>
<td>1.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.02</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>87.200</td>
<td>0.300</td>
<td>63.500</td>
<td>1.800</td>
<td>1.04</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>83.200</td>
<td>0.500</td>
<td>76.800</td>
<td>2.280</td>
<td>1.08</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>177.000</td>
<td>60.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.32</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>958.000</td>
<td>26.500</td>
<td>653.000</td>
<td>19.300</td>
<td>1.31</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>52.000</td>
<td>1.650</td>
<td>60.300</td>
<td>2.310</td>
<td>0.86</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>48.000</td>
<td>0.700</td>
<td>43.500</td>
<td>2.060</td>
<td>1.06</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.653</td>
<td>0.011</td>
<td>0.591</td>
<td>0.047</td>
<td>1.11</td>
<td>0.09</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: A1=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

#### Labcode: FM

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.190</td>
<td>0.050</td>
<td>0.177</td>
<td>0.003</td>
<td>1.07</td>
<td>0.28</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>66.900</td>
<td>1.080</td>
<td>91.200</td>
<td>0.912</td>
<td>0.73</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>9.260</td>
<td>0.150</td>
<td>12.700</td>
<td>0.127</td>
<td>0.73</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.170</td>
<td>0.080</td>
<td>3.760</td>
<td>0.376</td>
<td>0.84</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.770</td>
<td>0.080</td>
<td>5.750</td>
<td>0.575</td>
<td>0.83</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.640</td>
<td>0.120</td>
<td>5.280</td>
<td>0.528</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.150</td>
<td>0.130</td>
<td>4.710</td>
<td>0.470</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.280</td>
<td>0.150</td>
<td>9.420</td>
<td>0.842</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
</tr>
</tbody>
</table>

#### Matrix: WA

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CO 60</td>
<td>206.000</td>
<td>2.300</td>
<td>196.000</td>
<td>3.490</td>
<td>1.05</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>88.000</td>
<td>0.980</td>
<td>83.500</td>
<td>1.800</td>
<td>1.05</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>84.000</td>
<td>1.420</td>
<td>76.800</td>
<td>2.280</td>
<td>1.09</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>46.000</td>
<td>0.980</td>
<td>43.500</td>
<td>2.060</td>
<td>1.06</td>
<td>0.05</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>Error</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CE144</td>
<td>72.800</td>
<td>7.400</td>
<td>91.200</td>
<td>0.912</td>
<td>0.80</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>10.000</td>
<td>0.600</td>
<td>12.700</td>
<td>0.127</td>
<td>0.79</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.280</td>
<td>0.220</td>
<td>3.760</td>
<td>0.376</td>
<td>0.87</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.850</td>
<td>0.620</td>
<td>5.750</td>
<td>0.575</td>
<td>0.84</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.250</td>
<td>0.370</td>
<td>5.280</td>
<td>0.528</td>
<td>0.81</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.270</td>
<td>0.380</td>
<td>4.710</td>
<td>0.470</td>
<td>0.91</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>9.630</td>
<td>0.560</td>
<td>9.420</td>
<td>0.942</td>
<td>1.02</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>11.400</td>
<td>1.400</td>
<td>9.600</td>
<td>1.700</td>
<td>1.19</td>
<td>0.26</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>121.000</td>
<td>12.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.03</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>26.500</td>
<td>1.700</td>
<td>31.600</td>
<td>1.270</td>
<td>0.84</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>198.000</td>
<td>14.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.01</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>86.900</td>
<td>6.200</td>
<td>83.500</td>
<td>1.800</td>
<td>1.04</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>80.000</td>
<td>8.100</td>
<td>76.800</td>
<td>2.280</td>
<td>1.04</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>52.800</td>
<td>11.100</td>
<td>60.300</td>
<td>2.310</td>
<td>0.88</td>
<td>0.19</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>44.400</td>
<td>4.600</td>
<td>43.500</td>
<td>2.060</td>
<td>1.02</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

**Labcode: FS**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CS137</td>
<td>270.000</td>
<td>2.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.02</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>395.000</td>
<td>7.400</td>
<td>384.000</td>
<td>27.800</td>
<td>1.03</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>30.400</td>
<td>0.400</td>
<td>32.000</td>
<td>0.567</td>
<td>0.95</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>PU238</td>
<td>30.200</td>
<td>1.000</td>
<td>32.000</td>
<td>0.567</td>
<td>0.94</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>PU238</td>
<td>31.400</td>
<td>1.500</td>
<td>32.000</td>
<td>0.567</td>
<td>0.88</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>6.780</td>
<td>0.080</td>
<td>6.760</td>
<td>0.440</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>CS137</td>
<td>6.200</td>
<td>0.190</td>
<td>6.760</td>
<td>0.440</td>
<td>0.92</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CS137</td>
<td>6.690</td>
<td>0.140</td>
<td>6.760</td>
<td>0.440</td>
<td>0.99</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>31.100</td>
<td>1.400</td>
<td>30.300</td>
<td>1.790</td>
<td>1.03</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>U 234</td>
<td>31.900</td>
<td>1.700</td>
<td>30.300</td>
<td>1.790</td>
<td>1.05</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>U 234</td>
<td>32.000</td>
<td>1.600</td>
<td>30.300</td>
<td>1.790</td>
<td>1.06</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>30.600</td>
<td>0.700</td>
<td>31.600</td>
<td>1.270</td>
<td>0.97</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>U 238</td>
<td>30.200</td>
<td>1.100</td>
<td>31.600</td>
<td>1.270</td>
<td>0.96</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>U 238</td>
<td>31.600</td>
<td>1.000</td>
<td>31.600</td>
<td>1.270</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>63.100</td>
<td>3.100</td>
<td>63.000</td>
<td>3.200</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>U BQ</td>
<td>63.500</td>
<td>3.200</td>
<td>63.400</td>
<td>3.200</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>U BQ</td>
<td>65.100</td>
<td>1.900</td>
<td>63.400</td>
<td>3.200</td>
<td>1.03</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: Al=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.210</td>
<td>0.000</td>
<td>0.177</td>
<td>0.003</td>
<td>1.19</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>64.700</td>
<td>0.000</td>
<td>91.200</td>
<td>0.912</td>
<td>0.71</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>9.270</td>
<td>0.000</td>
<td>12.780</td>
<td>0.127</td>
<td>0.73</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>2.690</td>
<td>0.000</td>
<td>3.780</td>
<td>0.376</td>
<td>0.77</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.360</td>
<td>0.000</td>
<td>5.750</td>
<td>0.575</td>
<td>0.93</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.660</td>
<td>0.000</td>
<td>5.280</td>
<td>0.528</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.120</td>
<td>0.190</td>
<td>3.220</td>
<td>0.240</td>
<td>0.97</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.390</td>
<td>0.150</td>
<td>1.850</td>
<td>0.139</td>
<td>1.29</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>3.730</td>
<td>0.000</td>
<td>4.710</td>
<td>0.470</td>
<td>0.79</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.110</td>
<td>0.000</td>
<td>0.122</td>
<td>0.004</td>
<td>0.90</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.059</td>
<td>0.000</td>
<td>0.062</td>
<td>0.002</td>
<td>0.95</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.310</td>
<td>0.000</td>
<td>9.420</td>
<td>0.942</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U BO</td>
<td>0.098</td>
<td>0.000</td>
<td>0.091</td>
<td>0.005</td>
<td>1.08</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.220</td>
<td>0.000</td>
<td>3.200</td>
<td>0.754</td>
<td>0.69</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>281.000</td>
<td>0.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.06</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>448.000</td>
<td>0.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.17</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>32.700</td>
<td>0.000</td>
<td>32.000</td>
<td>0.567</td>
<td>1.02</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.280</td>
<td>0.000</td>
<td>6.760</td>
<td>0.440</td>
<td>1.08</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U BO</td>
<td>62.700</td>
<td>0.000</td>
<td>63.400</td>
<td>3.200</td>
<td>0.69</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.620</td>
<td>0.000</td>
<td>0.702</td>
<td>0.048</td>
<td>0.88</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>7.640</td>
<td>0.000</td>
<td>9.600</td>
<td>1.700</td>
<td>0.80</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>140.000</td>
<td>0.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.20</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>1230.000</td>
<td>0.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.19</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.000</td>
<td>0.000</td>
<td>0.089</td>
<td>0.019</td>
<td>0.00</td>
<td>0.18</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.120</td>
<td>0.000</td>
<td>1.120</td>
<td>0.159</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.590</td>
<td>0.000</td>
<td>1.330</td>
<td>0.073</td>
<td>1.20</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>212.000</td>
<td>0.000</td>
<td>186.000</td>
<td>3.450</td>
<td>1.08</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>82.600</td>
<td>0.000</td>
<td>83.500</td>
<td>1.500</td>
<td>0.97</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>84.500</td>
<td>0.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.10</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1400.000</td>
<td>0.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1080.000</td>
<td>0.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.55</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>47.100</td>
<td>0.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.08</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.670</td>
<td>0.000</td>
<td>0.591</td>
<td>0.047</td>
<td>1.13</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U BO</td>
<td>0.620</td>
<td>0.000</td>
<td>0.568</td>
<td>0.028</td>
<td>1.09</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>U BO</td>
<td>0.000</td>
<td>0.000</td>
<td>0.568</td>
<td>0.028</td>
<td>0.00</td>
<td>0.05</td>
<td>N</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

#### Labcode: GE

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.440</td>
<td>0.040</td>
<td>0.177</td>
<td>0.003</td>
<td>2.49</td>
<td>0.23</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>61.800</td>
<td>10.100</td>
<td>91.200</td>
<td>0.912</td>
<td>0.68</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>8.920</td>
<td>0.870</td>
<td>12.700</td>
<td>0.127</td>
<td>0.70</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>2.860</td>
<td>0.380</td>
<td>3.760</td>
<td>0.376</td>
<td>0.76</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.650</td>
<td>0.580</td>
<td>5.750</td>
<td>0.575</td>
<td>0.81</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.220</td>
<td>0.560</td>
<td>5.280</td>
<td>0.528</td>
<td>0.80</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>6.130</td>
<td>0.076</td>
<td>3.220</td>
<td>0.240</td>
<td>1.90</td>
<td>0.14</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.440</td>
<td>0.037</td>
<td>1.850</td>
<td>0.139</td>
<td>1.32</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.840</td>
<td>0.520</td>
<td>4.710</td>
<td>0.470</td>
<td>0.82</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.140</td>
<td>0.020</td>
<td>0.122</td>
<td>0.004</td>
<td>1.15</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.070</td>
<td>0.010</td>
<td>0.092</td>
<td>0.002</td>
<td>1.12</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR125</td>
<td>6.360</td>
<td>0.860</td>
<td>9.420</td>
<td>0.942</td>
<td>0.68</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>0.640</td>
<td>0.030</td>
<td>0.739</td>
<td>0.054</td>
<td>0.87</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.130</td>
<td>0.020</td>
<td>0.059</td>
<td>0.002</td>
<td>2.20</td>
<td>0.34</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.006</td>
<td>0.003</td>
<td>0.002</td>
<td>0.000</td>
<td>3.00</td>
<td>1.53</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.800</td>
<td>0.010</td>
<td>0.538</td>
<td>0.021</td>
<td>1.49</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>4.060</td>
<td>1.850</td>
<td>3.200</td>
<td>0.754</td>
<td>1.27</td>
<td>0.65</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>293.000</td>
<td>2.500</td>
<td>266.000</td>
<td>3.560</td>
<td>1.10</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>475.000</td>
<td>13.600</td>
<td>384.000</td>
<td>27.800</td>
<td>1.24</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>32.600</td>
<td>2.650</td>
<td>32.000</td>
<td>0.567</td>
<td>1.02</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.180</td>
<td>0.860</td>
<td>6.760</td>
<td>0.440</td>
<td>1.06</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>18.100</td>
<td>0.980</td>
<td>11.300</td>
<td>1.500</td>
<td>1.60</td>
<td>0.23</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>27.500</td>
<td>5.600</td>
<td>30.500</td>
<td>1.790</td>
<td>0.91</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>26.600</td>
<td>5.460</td>
<td>31.600</td>
<td>1.270</td>
<td>0.84</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>2.290</td>
<td>0.027</td>
<td>2.500</td>
<td>0.130</td>
<td>0.92</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.780</td>
<td>0.250</td>
<td>0.702</td>
<td>0.048</td>
<td>1.11</td>
<td>0.36</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>10.300</td>
<td>1.780</td>
<td>9.600</td>
<td>1.700</td>
<td>1.07</td>
<td>0.27</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>138.000</td>
<td>2.870</td>
<td>117.000</td>
<td>3.270</td>
<td>1.18</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1320.000</td>
<td>38.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.28</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.230</td>
<td>0.050</td>
<td>0.098</td>
<td>0.019</td>
<td>2.59</td>
<td>1.16</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.110</td>
<td>0.237</td>
<td>1.120</td>
<td>0.198</td>
<td>0.99</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>474.000</td>
<td>5.600</td>
<td>512.000</td>
<td>52.500</td>
<td>0.93</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.800</td>
<td>0.080</td>
<td>1.330</td>
<td>0.073</td>
<td>0.60</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>203.000</td>
<td>3.420</td>
<td>196.000</td>
<td>3.490</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>87.300</td>
<td>2.140</td>
<td>83.500</td>
<td>1.800</td>
<td>1.05</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>87.100</td>
<td>2.340</td>
<td>76.800</td>
<td>2.280</td>
<td>1.13</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>FE 55</td>
<td>149.000</td>
<td>15.500</td>
<td>119.000</td>
<td>5.820</td>
<td>1.25</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1750.000</td>
<td>88.100</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.31</td>
<td>0.08</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
# Results by Laboratory

**Labcode: GE**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio EML</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GB</td>
<td>888.000</td>
<td>47.700</td>
<td>653.000</td>
<td>19.300</td>
<td>1.38</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>44.000</td>
<td>22.900</td>
<td>60.300</td>
<td>2.310</td>
<td>0.73</td>
<td>0.38</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>48.200</td>
<td>1.930</td>
<td>43.500</td>
<td>2.060</td>
<td>1.11</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.760</td>
<td>0.090</td>
<td>0.591</td>
<td>0.047</td>
<td>1.29</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>2.030</td>
<td>0.170</td>
<td>2.400</td>
<td>0.225</td>
<td>0.85</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.300</td>
<td>0.050</td>
<td>0.373</td>
<td>0.013</td>
<td>0.80</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.005</td>
<td>0.000</td>
<td>0.003</td>
<td>0.000</td>
<td>1.73</td>
<td>0.09</td>
<td>N</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL.

### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GA</td>
<td>1810.000</td>
<td>79.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.35</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>997.000</td>
<td>28.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.53</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U BO</td>
<td>0.057</td>
<td>0.001</td>
<td>0.568</td>
<td>0.028</td>
<td>0.10</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.002</td>
<td>0.000</td>
<td>0.003</td>
<td>0.000</td>
<td>0.89</td>
<td>0.05</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: Al=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

**Labcode: HA**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported Ratio</th>
<th>EML Error Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 AM241</td>
<td>5.600</td>
<td>0.600</td>
<td>3.200</td>
<td>0.754</td>
<td>1.75</td>
<td>0.45</td>
<td>W</td>
</tr>
<tr>
<td>1 CS137</td>
<td>300.000</td>
<td>30.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.13</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1 K 40</td>
<td>2220.000</td>
<td>518.000</td>
<td>384.000</td>
<td>27.000</td>
<td>5.78</td>
<td>1.41</td>
<td>N</td>
</tr>
<tr>
<td>1 PU238</td>
<td>30.000</td>
<td>3.000</td>
<td>32.000</td>
<td>0.567</td>
<td>0.84</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1 PU239</td>
<td>5.820</td>
<td>0.600</td>
<td>6.760</td>
<td>0.440</td>
<td>0.88</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1 SR 90</td>
<td>12.600</td>
<td>2.000</td>
<td>11.300</td>
<td>1.500</td>
<td>1.12</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>1 U 234</td>
<td>27.000</td>
<td>3.000</td>
<td>30.300</td>
<td>1.790</td>
<td>0.89</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1 U 238</td>
<td>30.700</td>
<td>4.000</td>
<td>31.600</td>
<td>1.270</td>
<td>0.97</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 AM241</td>
<td>1.170</td>
<td>0.200</td>
<td>1.330</td>
<td>0.073</td>
<td>0.88</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1 CS134</td>
<td>91.000</td>
<td>10.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.09</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1 CS137</td>
<td>89.500</td>
<td>9.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.17</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1 Fe 55</td>
<td>40.600</td>
<td>4.000</td>
<td>119.000</td>
<td>5.820</td>
<td>0.34</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>1 GA</td>
<td>1300.000</td>
<td>200.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.97</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1 GB</td>
<td>777.000</td>
<td>80.000</td>
<td>683.000</td>
<td>19.300</td>
<td>1.19</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1 H 3</td>
<td>47.600</td>
<td>5.000</td>
<td>60.300</td>
<td>2.310</td>
<td>0.79</td>
<td>0.25</td>
<td>W</td>
</tr>
<tr>
<td>1 MN 54</td>
<td>43.700</td>
<td>5.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.01</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>2 PU239</td>
<td>1.130</td>
<td>0.200</td>
<td>0.591</td>
<td>0.047</td>
<td>0.84</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1 SR 90</td>
<td>1.840</td>
<td>0.200</td>
<td>2.400</td>
<td>0.225</td>
<td>0.77</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>1 U 234</td>
<td>0.360</td>
<td>0.060</td>
<td>0.373</td>
<td>0.013</td>
<td>0.97</td>
<td>0.16</td>
<td>A</td>
</tr>
</tbody>
</table>

**Units for matrices:** AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

**Labcode: HC**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>4.800</td>
<td>0.300</td>
<td>3.220</td>
<td>0.240</td>
<td>1.49</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.600</td>
<td>0.200</td>
<td>1.850</td>
<td>0.139</td>
<td>1.41</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1360.000</td>
<td>136.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.02</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>844.000</td>
<td>84.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.29</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H3</td>
<td>50.100</td>
<td>5.000</td>
<td>60.300</td>
<td>2.310</td>
<td>0.83</td>
<td>0.09</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>74.900</td>
<td>0.800</td>
<td>91.200</td>
<td>0.912</td>
<td>0.82</td>
<td>0.01</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>12.200</td>
<td>0.160</td>
<td>12.700</td>
<td>0.127</td>
<td>0.96</td>
<td>0.02</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>2.640</td>
<td>0.150</td>
<td>3.760</td>
<td>0.376</td>
<td>0.70</td>
<td>0.08</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.030</td>
<td>0.150</td>
<td>5.750</td>
<td>0.575</td>
<td>0.88</td>
<td>0.09</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.340</td>
<td>0.160</td>
<td>5.280</td>
<td>0.528</td>
<td>0.82</td>
<td>0.09</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.260</td>
<td>0.100</td>
<td>3.220</td>
<td>0.240</td>
<td>1.01</td>
<td>0.08</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.720</td>
<td>0.320</td>
<td>1.850</td>
<td>0.139</td>
<td>0.93</td>
<td>0.19</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.590</td>
<td>0.160</td>
<td>4.710</td>
<td>0.470</td>
<td>0.76</td>
<td>0.08</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>5.010</td>
<td>0.860</td>
<td>9.420</td>
<td>0.942</td>
<td>0.53</td>
<td>0.11</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>274.000</td>
<td>19.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.03</td>
<td>0.07</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>356.000</td>
<td>30.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.83</td>
<td>0.10</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>132.000</td>
<td>2.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.13</td>
<td>0.04</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1320.000</td>
<td>13.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.28</td>
<td>0.02</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.800</td>
<td>1.600</td>
<td>1.330</td>
<td>0.073</td>
<td>1.35</td>
<td>1.21</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>201.000</td>
<td>10.400</td>
<td>196.000</td>
<td>3.490</td>
<td>1.03</td>
<td>0.06</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>82.100</td>
<td>4.600</td>
<td>83.500</td>
<td>1.800</td>
<td>0.98</td>
<td>0.06</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>81.200</td>
<td>4.700</td>
<td>76.800</td>
<td>2.280</td>
<td>1.06</td>
<td>0.07</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>612.000</td>
<td>50.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.46</td>
<td>0.04</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>698.000</td>
<td>40.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.07</td>
<td>0.07</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>185.000</td>
<td>6.000</td>
<td>60.300</td>
<td>2.310</td>
<td>3.07</td>
<td>0.15</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>45.400</td>
<td>0.260</td>
<td>43.500</td>
<td>2.060</td>
<td>1.04</td>
<td>0.05</td>
</tr>
<tr>
<td>1</td>
<td>PO239</td>
<td>0.633</td>
<td>0.100</td>
<td>0.591</td>
<td>0.047</td>
<td>1.07</td>
<td>0.19</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.960</td>
<td>0.300</td>
<td>2.400</td>
<td>0.225</td>
<td>1.23</td>
<td>0.17</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>0.526</td>
<td>0.170</td>
<td>0.568</td>
<td>0.028</td>
<td>0.83</td>
<td>0.30</td>
</tr>
</tbody>
</table>

**Units for matrices:**
- AI = Bq/filter
- SO = Bq/kg
- VE = Bq/kg
- WA = Bq/L

Values for elemental uranium are reported in μg/filter, g, or mL.

**Evaluation:**
- A = Acceptable
- W = Acceptable with Warning
- N = Not Acceptable

---

105
### Results by Laboratory

#### Labcode: HL

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.850</td>
<td>1.060</td>
<td>3.200</td>
<td>0.754</td>
<td>0.89</td>
<td>0.39</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>248.000</td>
<td>31.000</td>
<td>266.000</td>
<td>3.560</td>
<td>0.93</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>417.000</td>
<td>57.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.09</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>15.200</td>
<td>2.200</td>
<td>11.300</td>
<td>1.500</td>
<td>1.35</td>
<td>0.26</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>16.800</td>
<td>6.400</td>
<td>30.300</td>
<td>1.790</td>
<td>0.55</td>
<td>0.21</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>5.100</td>
<td>3.500</td>
<td>1.590</td>
<td>0.075</td>
<td>3.21</td>
<td>2.21</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>15.900</td>
<td>6.200</td>
<td>31.800</td>
<td>1.270</td>
<td>0.50</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U Bq</td>
<td>37.800</td>
<td>6.400</td>
<td>63.400</td>
<td>3.200</td>
<td>0.80</td>
<td>0.11</td>
<td>A</td>
</tr>
</tbody>
</table>

#### Matrix: SO

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.400</td>
<td>1.100</td>
<td>1.330</td>
<td>0.073</td>
<td>2.56</td>
<td>0.84</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>181.000</td>
<td>15.600</td>
<td>196.000</td>
<td>3.490</td>
<td>0.92</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>87.300</td>
<td>6.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.05</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>90.600</td>
<td>11.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.18</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>48.400</td>
<td>4.600</td>
<td>60.300</td>
<td>2.310</td>
<td>0.80</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>48.400</td>
<td>6.400</td>
<td>43.500</td>
<td>2.060</td>
<td>1.11</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>3.500</td>
<td>0.300</td>
<td>2.400</td>
<td>0.225</td>
<td>1.46</td>
<td>0.19</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.310</td>
<td>0.110</td>
<td>0.373</td>
<td>0.013</td>
<td>0.83</td>
<td>0.30</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U Bq</td>
<td>0.630</td>
<td>0.230</td>
<td>0.568</td>
<td>0.028</td>
<td>1.11</td>
<td>0.41</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

**Labcode: HR**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>0.000</td>
<td>0.200</td>
<td>5.750</td>
<td>0.575</td>
<td>0.80</td>
<td>0.08</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>6.500</td>
<td>0.200</td>
<td>5.280</td>
<td>0.528</td>
<td>1.23</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>1.000</td>
<td>0.100</td>
<td>0.739</td>
<td>0.054</td>
<td>1.35</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>1.000</td>
<td>1.000</td>
<td>0.538</td>
<td>0.021</td>
<td>1.66</td>
<td>1.66</td>
<td>N</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>263.000</td>
<td>30.000</td>
<td>266.000</td>
<td>3.560</td>
<td>0.99</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>15.000</td>
<td>26.000</td>
<td>11.300</td>
<td>1.500</td>
<td>1.33</td>
<td>2.31</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>1.400</td>
<td>0.100</td>
<td>2.500</td>
<td>0.130</td>
<td>0.56</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>94.000</td>
<td>10.000</td>
<td>117.000</td>
<td>3.270</td>
<td>0.80</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>356.000</td>
<td>16.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.70</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>0.000</td>
<td>2.000</td>
<td>83.500</td>
<td>1.800</td>
<td>0.00</td>
<td>0.08</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>148.000</td>
<td>2.000</td>
<td>76.200</td>
<td>2.280</td>
<td>1.93</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.800</td>
<td>0.300</td>
<td>2.400</td>
<td>0.225</td>
<td>1.17</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.003</td>
<td>0.001</td>
<td>0.003</td>
<td>0.000</td>
<td>1.15</td>
<td>0.39</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matrix: AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>94.000</td>
<td>6.000</td>
<td>91.200</td>
<td>0.912</td>
<td>1.03</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>13.400</td>
<td>0.700</td>
<td>12.700</td>
<td>0.127</td>
<td>1.05</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.700</td>
<td>0.020</td>
<td>3.760</td>
<td>0.036</td>
<td>0.98</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>6.400</td>
<td>0.300</td>
<td>5.750</td>
<td>0.575</td>
<td>1.11</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>6.100</td>
<td>0.300</td>
<td>5.280</td>
<td>0.528</td>
<td>1.16</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>4.200</td>
<td>0.200</td>
<td>3.220</td>
<td>0.240</td>
<td>1.30</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.800</td>
<td>0.100</td>
<td>1.850</td>
<td>0.139</td>
<td>0.97</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.900</td>
<td>0.300</td>
<td>4.710</td>
<td>0.470</td>
<td>1.02</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>11.000</td>
<td>0.600</td>
<td>9.420</td>
<td>0.942</td>
<td>1.17</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>Matrix: SO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>307.000</td>
<td>15.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.15</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>432.000</td>
<td>27.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.13</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>31.000</td>
<td>3.000</td>
<td>32.000</td>
<td>0.567</td>
<td>0.97</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.200</td>
<td>0.500</td>
<td>6.760</td>
<td>0.440</td>
<td>1.07</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>14.000</td>
<td>1.000</td>
<td>11.300</td>
<td>1.500</td>
<td>1.24</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>Matrix: VE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>9.400</td>
<td>0.600</td>
<td>9.600</td>
<td>1.700</td>
<td>0.98</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>144.000</td>
<td>7.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.23</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1170.000</td>
<td>72.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.14</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.730</td>
<td>0.490</td>
<td>0.089</td>
<td>0.019</td>
<td>0.23</td>
<td>0.82</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.100</td>
<td>0.200</td>
<td>1.120</td>
<td>0.159</td>
<td>0.98</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>549.000</td>
<td>101.000</td>
<td>512.000</td>
<td>52.500</td>
<td>1.07</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>Matrix: WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>218.000</td>
<td>11.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.11</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>96.000</td>
<td>5.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.15</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>91.000</td>
<td>5.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.18</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>78.000</td>
<td>7.000</td>
<td>60.300</td>
<td>2.310</td>
<td>1.29</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>48.000</td>
<td>2.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.10</td>
<td>0.07</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
# Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Labcode: IE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radio-Nuclide</td>
<td>Reported Value</td>
</tr>
<tr>
<td>AM241</td>
<td>0.181</td>
</tr>
<tr>
<td>CO 57</td>
<td>10.300</td>
</tr>
<tr>
<td>CO 60</td>
<td>3.820</td>
</tr>
<tr>
<td>CS134</td>
<td>4.870</td>
</tr>
<tr>
<td>CS137</td>
<td>4.350</td>
</tr>
<tr>
<td>GA</td>
<td>3.660</td>
</tr>
<tr>
<td>GB</td>
<td>1.690</td>
</tr>
<tr>
<td>MN 54</td>
<td>3.750</td>
</tr>
<tr>
<td>PU238</td>
<td>0.137</td>
</tr>
<tr>
<td>PU239</td>
<td>0.096</td>
</tr>
<tr>
<td>U 234</td>
<td>0.070</td>
</tr>
<tr>
<td>U 238</td>
<td>0.008</td>
</tr>
</tbody>
</table>

| Matrix: AI |
| 1 AM241 | 3.110 | 0.680 | 3.200 | 0.754 | 0.97 | 0.32 | A |
| 1 CS137 | 298.000 | 3.220 | 266.000 | 3.560 | 27.600 | 1.11 | 0.09 | A |
| 1 K 40 | 425.000 | 17.900 | 384.000 | 28.600 | 10.600 | 1.11 | 0.09 | A |
| 1 PU238 | 29.700 | 3.440 | 32.000 | 0.567 | 0.83 | 0.11 | A |
| 1 PU239 | 6.730 | 0.860 | 6.760 | 0.440 | 1.00 | 0.14 | A |
| 1 U 234 | 25.600 | 0.820 | 30.300 | 1.780 | 0.85 | 0.06 | A |
| 1 U 238 | 24.500 | 0.780 | 31.600 | 1.270 | 0.78 | 0.04 | A |

| Matrix: SO |
| 1 AM241 | 7.720 | 1.560 | 9.600 | 1.700 | 0.80 | 0.22 | W |
| 1 CS137 | 124.000 | 2.930 | 117.000 | 3.270 | 1.06 | 0.04 | A |
| 1 K 40 | 1060.000 | 35.400 | 1030.000 | 8.160 | 1.03 | 0.04 | A |
| 1 PU239 | 1.240 | 0.219 | 1.120 | 0.159 | 1.11 | 0.25 | A |

| Matrix: VE |
| 1 AM241 | 1.340 | 0.192 | 1.330 | 0.073 | 1.01 | 0.27 | A |
| 1 CO 60 | 207.000 | 1.480 | 196.000 | 3.490 | 1.06 | 0.02 | A |
| 1 CS134 | 91.000 | 0.950 | 93.500 | 1.500 | 1.09 | 0.03 | A |
| 1 CS137 | 87.300 | 0.950 | 76.800 | 2.280 | 1.14 | 0.04 | A |
| 1 GA | 1510.000 | 18.300 | 1340.000 | 40.000 | 1.13 | 0.04 | A |
| 1 GB | 645.000 | 10.600 | 653.000 | 19.300 | 0.99 | 0.03 | A |
| 1 H 3 | 71.500 | 7.870 | 60.300 | 2.310 | 1.19 | 0.14 | A |
| 1 MN 54 | 47.600 | 0.980 | 43.500 | 2.060 | 1.09 | 0.06 | W |
| 1 PU239 | 0.702 | 0.101 | 0.591 | 0.047 | 1.19 | 0.20 | W |
| 1 U 234 | 0.425 | 0.070 | 0.373 | 0.013 | 1.14 | 0.19 | A |

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in mg/filter, g, or mL. 
## Results by Laboratory

**Labcode: IN**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Matrix: AI

<p>| | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CE144</td>
<td>63.400</td>
<td>9.900</td>
<td>91.200</td>
<td>0.912</td>
<td>0.70</td>
<td>0.11</td>
</tr>
<tr>
<td>1</td>
<td>C0 57</td>
<td>9.090</td>
<td>0.670</td>
<td>12.700</td>
<td>0.127</td>
<td>0.72</td>
<td>0.05</td>
</tr>
<tr>
<td>1</td>
<td>C0 60</td>
<td>2.980</td>
<td>0.270</td>
<td>3.760</td>
<td>0.376</td>
<td>0.79</td>
<td>0.11</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.240</td>
<td>0.520</td>
<td>5.750</td>
<td>0.575</td>
<td>0.81</td>
<td>0.13</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.160</td>
<td>0.370</td>
<td>5.280</td>
<td>0.528</td>
<td>0.79</td>
<td>0.11</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.740</td>
<td>0.340</td>
<td>4.710</td>
<td>0.470</td>
<td>0.79</td>
<td>0.11</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.640</td>
<td>0.920</td>
<td>9.420</td>
<td>0.942</td>
<td>0.82</td>
<td>0.13</td>
</tr>
</tbody>
</table>

### Matrix: SO

<p>| | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.380</td>
<td>0.480</td>
<td>3.200</td>
<td>0.754</td>
<td>0.74</td>
<td>0.23</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>279.000</td>
<td>20.700</td>
<td>266.000</td>
<td>3.560</td>
<td>1.05</td>
<td>0.08</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>436.000</td>
<td>164.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.14</td>
<td>0.44</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>32.800</td>
<td>4.900</td>
<td>32.000</td>
<td>0.567</td>
<td>1.03</td>
<td>0.15</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>6.960</td>
<td>0.110</td>
<td>6.760</td>
<td>0.440</td>
<td>1.03</td>
<td>0.07</td>
</tr>
</tbody>
</table>

### Matrix: VE

<p>| | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>C0 60</td>
<td>9.520</td>
<td>3.000</td>
<td>9.600</td>
<td>1.700</td>
<td>0.89</td>
<td>0.36</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>127.000</td>
<td>23.100</td>
<td>117.000</td>
<td>3.270</td>
<td>1.09</td>
<td>0.20</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1240.000</td>
<td>293.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.20</td>
<td>0.29</td>
</tr>
</tbody>
</table>

### Matrix: WA

<p>| | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.550</td>
<td>0.290</td>
<td>1.330</td>
<td>0.073</td>
<td>1.17</td>
<td>0.23</td>
</tr>
<tr>
<td>1</td>
<td>C0 60</td>
<td>227.000</td>
<td>17.200</td>
<td>186.000</td>
<td>3.490</td>
<td>1.16</td>
<td>0.09</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>97.500</td>
<td>7.800</td>
<td>63.500</td>
<td>1.800</td>
<td>1.17</td>
<td>0.10</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>87.500</td>
<td>7.400</td>
<td>76.800</td>
<td>2.280</td>
<td>1.14</td>
<td>0.10</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>51.200</td>
<td>4.700</td>
<td>45.500</td>
<td>2.060</td>
<td>1.18</td>
<td>0.12</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.660</td>
<td>0.110</td>
<td>0.591</td>
<td>0.047</td>
<td>1.12</td>
<td>0.21</td>
</tr>
<tr>
<td>1</td>
<td>SQ 90</td>
<td>2.210</td>
<td>0.670</td>
<td>2.400</td>
<td>0.225</td>
<td>0.82</td>
<td>0.29</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.370</td>
<td>0.150</td>
<td>0.373</td>
<td>0.013</td>
<td>0.89</td>
<td>0.40</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.250</td>
<td>0.100</td>
<td>0.196</td>
<td>0.006</td>
<td>1.28</td>
<td>0.51</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>4.870</td>
<td>0.000</td>
<td>3.220</td>
<td>0.240</td>
<td>1.51</td>
<td>0.11</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.640</td>
<td>0.000</td>
<td>1.950</td>
<td>0.139</td>
<td>0.99</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>1.400</td>
<td>0.070</td>
<td>0.002</td>
<td>0.000</td>
<td>700.00</td>
<td>78.39</td>
<td>N</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1100.000</td>
<td>0.074</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.82</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>458.000</td>
<td>0.002</td>
<td>653.000</td>
<td>19.300</td>
<td>0.70</td>
<td>0.02</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL.
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matrix: AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.119</td>
<td>0.012</td>
<td>0.177</td>
<td>0.003</td>
<td>0.67</td>
<td>0.07</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>61.600</td>
<td>3.080</td>
<td>91.200</td>
<td>0.912</td>
<td>0.69</td>
<td>0.03</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>9.020</td>
<td>0.630</td>
<td>12.700</td>
<td>0.127</td>
<td>0.71</td>
<td>0.05</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.010</td>
<td>0.210</td>
<td>3.760</td>
<td>0.376</td>
<td>0.80</td>
<td>0.10</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.190</td>
<td>0.250</td>
<td>5.750</td>
<td>0.575</td>
<td>0.80</td>
<td>0.10</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.400</td>
<td>0.220</td>
<td>5.280</td>
<td>0.528</td>
<td>0.83</td>
<td>0.09</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>5.190</td>
<td>0.510</td>
<td>3.220</td>
<td>0.240</td>
<td>1.61</td>
<td>0.20</td>
<td>N</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.770</td>
<td>0.170</td>
<td>1.650</td>
<td>0.139</td>
<td>0.96</td>
<td>0.12</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.789</td>
<td>0.260</td>
<td>4.710</td>
<td>0.470</td>
<td>0.80</td>
<td>0.10</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.118</td>
<td>0.024</td>
<td>0.122</td>
<td>0.004</td>
<td>0.95</td>
<td>0.20</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.072</td>
<td>0.017</td>
<td>0.062</td>
<td>0.002</td>
<td>1.16</td>
<td>0.28</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>7.770</td>
<td>0.540</td>
<td>9.420</td>
<td>0.942</td>
<td>0.83</td>
<td>0.10</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>0.363</td>
<td>0.037</td>
<td>0.739</td>
<td>0.054</td>
<td>0.49</td>
<td>0.06</td>
<td>N</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.101</td>
<td>0.054</td>
<td>0.059</td>
<td>0.002</td>
<td>1.71</td>
<td>0.92</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.020</td>
<td>0.005</td>
<td>0.002</td>
<td>0.000</td>
<td>9.85</td>
<td>2.78</td>
<td>N</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>0.696</td>
<td>0.073</td>
<td>0.538</td>
<td>0.021</td>
<td>1.29</td>
<td>0.15</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>Matrix: SO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.800</td>
<td>0.800</td>
<td>3.200</td>
<td>0.754</td>
<td>0.91</td>
<td>0.33</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>256.000</td>
<td>18.000</td>
<td>266.000</td>
<td>3.560</td>
<td>0.96</td>
<td>0.07</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>383.000</td>
<td>27.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.01</td>
<td>0.10</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>26.700</td>
<td>3.900</td>
<td>32.000</td>
<td>0.567</td>
<td>0.83</td>
<td>0.12</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>6.200</td>
<td>0.980</td>
<td>6.760</td>
<td>0.440</td>
<td>0.92</td>
<td>0.16</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>25.300</td>
<td>4.100</td>
<td>30.300</td>
<td>1.750</td>
<td>0.84</td>
<td>0.14</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>24.100</td>
<td>4.000</td>
<td>31.800</td>
<td>1.270</td>
<td>0.76</td>
<td>0.13</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U UG</td>
<td>2.120</td>
<td>0.220</td>
<td>2.500</td>
<td>0.130</td>
<td>0.85</td>
<td>0.10</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>Matrix: VE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>9.560</td>
<td>0.670</td>
<td>9.600</td>
<td>1.700</td>
<td>1.00</td>
<td>0.19</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>114.000</td>
<td>8.000</td>
<td>117.000</td>
<td>3.270</td>
<td>0.97</td>
<td>0.07</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1050.000</td>
<td>52.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.02</td>
<td>0.05</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.086</td>
<td>0.080</td>
<td>0.089</td>
<td>0.019</td>
<td>0.96</td>
<td>0.71</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.120</td>
<td>0.200</td>
<td>1.120</td>
<td>0.159</td>
<td>1.00</td>
<td>0.23</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>540.000</td>
<td>21.000</td>
<td>512.000</td>
<td>52.500</td>
<td>1.05</td>
<td>0.12</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>Matrix: WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.410</td>
<td>0.540</td>
<td>1.330</td>
<td>0.673</td>
<td>1.06</td>
<td>0.41</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>219.000</td>
<td>11.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.12</td>
<td>0.06</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>92.100</td>
<td>4.600</td>
<td>83.500</td>
<td>1.800</td>
<td>1.10</td>
<td>0.06</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>89.400</td>
<td>4.500</td>
<td>76.800</td>
<td>2.280</td>
<td>1.16</td>
<td>0.07</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1840.000</td>
<td>184.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.37</td>
<td>0.14</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>694.000</td>
<td>69.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.06</td>
<td>0.11</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>93.700</td>
<td>11.300</td>
<td>60.300</td>
<td>2.310</td>
<td>1.55</td>
<td>0.20</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>50.100</td>
<td>2.500</td>
<td>43.500</td>
<td>2.060</td>
<td>1.15</td>
<td>0.08</td>
<td>W</td>
<td>W</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

**Labcode: IS**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.635</td>
<td>0.122</td>
<td>0.591</td>
<td>0.047</td>
<td>1.07</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>1.590</td>
<td>0.170</td>
<td>2.400</td>
<td>0.225</td>
<td>0.66</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.512</td>
<td>0.103</td>
<td>0.373</td>
<td>0.013</td>
<td>1.37</td>
<td>0.28</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-NUCLIDE</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.157</td>
<td>0.010</td>
<td>0.177</td>
<td>0.003</td>
<td>0.89</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Ce144</td>
<td>59.500</td>
<td>1.440</td>
<td>91.200</td>
<td>0.912</td>
<td>6.65</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Co 57</td>
<td>8.480</td>
<td>0.210</td>
<td>12.700</td>
<td>0.127</td>
<td>1.27</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>2.830</td>
<td>0.170</td>
<td>3.760</td>
<td>0.376</td>
<td>0.75</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Cs 134</td>
<td>4.530</td>
<td>0.021</td>
<td>5.750</td>
<td>0.575</td>
<td>0.79</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Cs 137</td>
<td>4.160</td>
<td>0.190</td>
<td>5.280</td>
<td>0.528</td>
<td>0.79</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Ga</td>
<td>4.110</td>
<td>0.210</td>
<td>3.220</td>
<td>0.240</td>
<td>1.28</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Gd</td>
<td>1.840</td>
<td>0.080</td>
<td>1.850</td>
<td>0.139</td>
<td>0.89</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>3.930</td>
<td>0.160</td>
<td>4.710</td>
<td>0.470</td>
<td>0.81</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Pu 238</td>
<td>0.127</td>
<td>0.008</td>
<td>0.122</td>
<td>0.004</td>
<td>1.04</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu 239</td>
<td>0.054</td>
<td>0.004</td>
<td>0.062</td>
<td>0.002</td>
<td>0.87</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 125</td>
<td>8.430</td>
<td>0.250</td>
<td>9.420</td>
<td>0.342</td>
<td>0.90</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>0.364</td>
<td>0.047</td>
<td>0.739</td>
<td>0.054</td>
<td>0.52</td>
<td>0.07</td>
<td>N</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.530</td>
<td>0.220</td>
<td>3.200</td>
<td>0.754</td>
<td>0.79</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Cs 137</td>
<td>312.000</td>
<td>3.250</td>
<td>286.000</td>
<td>3.560</td>
<td>1.17</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>404.000</td>
<td>10.900</td>
<td>384.000</td>
<td>27.800</td>
<td>1.05</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu 238</td>
<td>32.200</td>
<td>0.955</td>
<td>32.000</td>
<td>0.567</td>
<td>1.01</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu 239</td>
<td>7.270</td>
<td>0.530</td>
<td>6.760</td>
<td>0.440</td>
<td>1.08</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>11.700</td>
<td>0.490</td>
<td>11.500</td>
<td>1.500</td>
<td>1.04</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.510</td>
<td>0.014</td>
<td>0.202</td>
<td>0.048</td>
<td>0.79</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>9.390</td>
<td>0.420</td>
<td>9.500</td>
<td>1.200</td>
<td>0.88</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Cs 137</td>
<td>132.000</td>
<td>4.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.13</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1120.000</td>
<td>19.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.09</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu 238</td>
<td>0.100</td>
<td>0.011</td>
<td>0.089</td>
<td>0.019</td>
<td>1.13</td>
<td>0.28</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu 239</td>
<td>1.040</td>
<td>0.110</td>
<td>1.120</td>
<td>0.159</td>
<td>0.97</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>522.000</td>
<td>48.000</td>
<td>512.000</td>
<td>52.500</td>
<td>1.02</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.957</td>
<td>0.138</td>
<td>1.330</td>
<td>0.073</td>
<td>0.72</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>228.000</td>
<td>3.700</td>
<td>196.000</td>
<td>3.490</td>
<td>1.16</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Cs 134</td>
<td>98.200</td>
<td>2.340</td>
<td>83.500</td>
<td>1.800</td>
<td>1.15</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Cs 137</td>
<td>94.000</td>
<td>1.110</td>
<td>78.800</td>
<td>2.280</td>
<td>1.22</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Ga</td>
<td>1300.000</td>
<td>81.400</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.97</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Gd</td>
<td>723.000</td>
<td>36.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.11</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>53.400</td>
<td>0.480</td>
<td>60.300</td>
<td>2.310</td>
<td>0.69</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>53.300</td>
<td>1.320</td>
<td>43.500</td>
<td>2.060</td>
<td>1.23</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Pu 238</td>
<td>0.660</td>
<td>0.075</td>
<td>0.591</td>
<td>0.047</td>
<td>1.12</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu 239</td>
<td>3.090</td>
<td>0.202</td>
<td>2.400</td>
<td>0.225</td>
<td>1.29</td>
<td>0.15</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
# Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>4.410</td>
<td>0.110</td>
<td>3.220</td>
<td>0.240</td>
<td>1.37</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.460</td>
<td>0.060</td>
<td>1.850</td>
<td>0.139</td>
<td>1.33</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>311.000</td>
<td>21.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.17</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>418.000</td>
<td>43.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.09</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>29.400</td>
<td>3.660</td>
<td>32.000</td>
<td>0.567</td>
<td>0.92</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.600</td>
<td>0.760</td>
<td>6.760</td>
<td>0.440</td>
<td>1.12</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>13.300</td>
<td>0.600</td>
<td>11.300</td>
<td>1.500</td>
<td>1.18</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>208.000</td>
<td>3.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.06</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>86.700</td>
<td>3.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.04</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>83.300</td>
<td>3.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.09</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>148.000</td>
<td>6.000</td>
<td>119.000</td>
<td>5.820</td>
<td>1.24</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1680.000</td>
<td>127.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.24</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>880.000</td>
<td>64.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.35</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>57.400</td>
<td>7.500</td>
<td>60.300</td>
<td>2.310</td>
<td>0.95</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>47.300</td>
<td>2.000</td>
<td>43.500</td>
<td>2.050</td>
<td>1.09</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.670</td>
<td>0.004</td>
<td>0.591</td>
<td>0.047</td>
<td>1.13</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.170</td>
<td>0.360</td>
<td>2.400</td>
<td>0.225</td>
<td>0.90</td>
<td>0.17</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.166</td>
<td>0.020</td>
<td>0.177</td>
<td>0.003</td>
<td>0.84</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>AM241</td>
<td>0.175</td>
<td>0.020</td>
<td>0.177</td>
<td>0.003</td>
<td>0.99</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>AM241</td>
<td>0.165</td>
<td>0.019</td>
<td>0.177</td>
<td>0.003</td>
<td>0.93</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>47.600</td>
<td>3.580</td>
<td>91.200</td>
<td>0.912</td>
<td>0.52</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>2</td>
<td>CE144</td>
<td>46.800</td>
<td>3.520</td>
<td>91.200</td>
<td>0.912</td>
<td>0.51</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>3</td>
<td>CE144</td>
<td>47.600</td>
<td>3.650</td>
<td>91.200</td>
<td>0.912</td>
<td>0.52</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>8.570</td>
<td>0.660</td>
<td>12.700</td>
<td>0.127</td>
<td>0.71</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>2</td>
<td>CO 57</td>
<td>8.660</td>
<td>0.660</td>
<td>12.700</td>
<td>0.127</td>
<td>0.70</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>3</td>
<td>CO 57</td>
<td>8.510</td>
<td>0.670</td>
<td>12.700</td>
<td>0.127</td>
<td>0.70</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.030</td>
<td>0.250</td>
<td>3.750</td>
<td>0.376</td>
<td>0.81</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>2</td>
<td>CO 60</td>
<td>3.000</td>
<td>0.250</td>
<td>3.760</td>
<td>0.376</td>
<td>0.80</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>3</td>
<td>CO 60</td>
<td>2.890</td>
<td>0.260</td>
<td>3.760</td>
<td>0.376</td>
<td>0.80</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.920</td>
<td>0.400</td>
<td>5.750</td>
<td>0.575</td>
<td>0.86</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>CS134</td>
<td>4.860</td>
<td>0.380</td>
<td>5.750</td>
<td>0.575</td>
<td>0.85</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>CS134</td>
<td>4.860</td>
<td>0.380</td>
<td>5.750</td>
<td>0.575</td>
<td>0.85</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.890</td>
<td>0.400</td>
<td>5.280</td>
<td>0.528</td>
<td>0.93</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>CS137</td>
<td>4.710</td>
<td>0.380</td>
<td>5.280</td>
<td>0.528</td>
<td>0.89</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>CS137</td>
<td>4.770</td>
<td>0.410</td>
<td>5.280</td>
<td>0.528</td>
<td>0.90</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>GA</td>
<td>3.700</td>
<td>0.740</td>
<td>3.220</td>
<td>0.240</td>
<td>1.15</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>GA</td>
<td>3.700</td>
<td>0.740</td>
<td>3.220</td>
<td>0.240</td>
<td>1.15</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>GB</td>
<td>2.220</td>
<td>0.256</td>
<td>1.860</td>
<td>0.139</td>
<td>1.20</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>GB</td>
<td>2.180</td>
<td>0.256</td>
<td>1.860</td>
<td>0.139</td>
<td>1.18</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>GB</td>
<td>2.260</td>
<td>0.256</td>
<td>1.850</td>
<td>0.139</td>
<td>1.22</td>
<td>0.18</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.240</td>
<td>0.350</td>
<td>4.710</td>
<td>0.470</td>
<td>0.86</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>MN 54</td>
<td>4.060</td>
<td>0.340</td>
<td>4.710</td>
<td>0.470</td>
<td>0.89</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.129</td>
<td>0.015</td>
<td>0.122</td>
<td>0.004</td>
<td>1.06</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>PU238</td>
<td>0.116</td>
<td>0.014</td>
<td>0.122</td>
<td>0.004</td>
<td>0.95</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>PU238</td>
<td>0.104</td>
<td>0.013</td>
<td>0.122</td>
<td>0.004</td>
<td>0.85</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.073</td>
<td>0.009</td>
<td>0.062</td>
<td>0.002</td>
<td>1.17</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>2</td>
<td>PU239</td>
<td>0.078</td>
<td>0.010</td>
<td>0.062</td>
<td>0.002</td>
<td>1.25</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>3</td>
<td>PU239</td>
<td>0.074</td>
<td>0.010</td>
<td>0.062</td>
<td>0.002</td>
<td>1.19</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>2</td>
<td>SB 125</td>
<td>9.020</td>
<td>0.750</td>
<td>9.420</td>
<td>0.942</td>
<td>0.96</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>SB 125</td>
<td>8.990</td>
<td>0.750</td>
<td>9.420</td>
<td>0.942</td>
<td>0.95</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>SB 125</td>
<td>8.770</td>
<td>0.770</td>
<td>8.420</td>
<td>0.942</td>
<td>0.93</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.770</td>
<td>0.160</td>
<td>0.739</td>
<td>0.054</td>
<td>1.04</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>SR 90</td>
<td>0.800</td>
<td>0.140</td>
<td>0.739</td>
<td>0.054</td>
<td>1.22</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>SR 90</td>
<td>0.850</td>
<td>0.140</td>
<td>0.739</td>
<td>0.054</td>
<td>1.20</td>
<td>0.21</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
### Results by Laboratory

#### Matrix: VE

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>CS137</td>
<td>243.000</td>
<td>21.000</td>
<td>266.000</td>
<td>3.560</td>
<td>0.91</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>328.000</td>
<td>43.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.85</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>K 40</td>
<td>355.000</td>
<td>46.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.92</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>K 40</td>
<td>367.000</td>
<td>47.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.96</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>35.000</td>
<td>1.000</td>
<td>32.000</td>
<td>20.567</td>
<td>1.09</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>PU238</td>
<td>29.000</td>
<td>1.000</td>
<td>32.000</td>
<td>20.567</td>
<td>0.91</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>PU238</td>
<td>32.000</td>
<td>1.000</td>
<td>32.000</td>
<td>20.567</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.500</td>
<td>0.200</td>
<td>6.760</td>
<td>0.440</td>
<td>1.11</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>PU239</td>
<td>6.900</td>
<td>0.200</td>
<td>6.760</td>
<td>0.440</td>
<td>1.02</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>PU239</td>
<td>6.800</td>
<td>0.300</td>
<td>6.760</td>
<td>0.440</td>
<td>1.01</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>14.800</td>
<td>7.400</td>
<td>11.300</td>
<td>1.500</td>
<td>1.31</td>
<td>0.68</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>SR 90</td>
<td>18.500</td>
<td>7.400</td>
<td>11.300</td>
<td>1.500</td>
<td>1.64</td>
<td>0.69</td>
<td>W</td>
</tr>
<tr>
<td>3</td>
<td>SR 90</td>
<td>44.400</td>
<td>7.400</td>
<td>11.300</td>
<td>1.500</td>
<td>3.93</td>
<td>0.84</td>
<td>N</td>
</tr>
</tbody>
</table>

#### Matrix: WA

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.080</td>
<td>0.062</td>
<td>0.702</td>
<td>0.048</td>
<td>1.55</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>AM241</td>
<td>1.270</td>
<td>0.070</td>
<td>0.702</td>
<td>0.048</td>
<td>1.81</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>3</td>
<td>AM241</td>
<td>1.120</td>
<td>0.062</td>
<td>0.702</td>
<td>0.048</td>
<td>1.60</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Cd 60</td>
<td>1.110</td>
<td>1.110</td>
<td>9.600</td>
<td>1.700</td>
<td>0.12</td>
<td>0.12</td>
<td>N</td>
</tr>
<tr>
<td>2</td>
<td>Cd 60</td>
<td>1.480</td>
<td>1.480</td>
<td>9.600</td>
<td>1.700</td>
<td>0.15</td>
<td>0.16</td>
<td>N</td>
</tr>
<tr>
<td>3</td>
<td>Cd 60</td>
<td>2.220</td>
<td>2.220</td>
<td>9.600</td>
<td>1.700</td>
<td>0.23</td>
<td>0.24</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>148.000</td>
<td>15.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.27</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>CS137</td>
<td>155.000</td>
<td>15.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.31</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>3</td>
<td>CS137</td>
<td>155.000</td>
<td>15.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.33</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1200.000</td>
<td>128.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.17</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>K 40</td>
<td>1210.000</td>
<td>123.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.17</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>K 40</td>
<td>1210.000</td>
<td>123.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.17</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.070</td>
<td>0.015</td>
<td>0.089</td>
<td>0.019</td>
<td>0.79</td>
<td>0.24</td>
<td>W</td>
</tr>
<tr>
<td>2</td>
<td>Pu238</td>
<td>0.100</td>
<td>0.019</td>
<td>0.089</td>
<td>0.019</td>
<td>1.13</td>
<td>0.33</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>Pu238</td>
<td>0.083</td>
<td>0.015</td>
<td>0.089</td>
<td>0.019</td>
<td>1.05</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>1.080</td>
<td>0.067</td>
<td>1.120</td>
<td>0.159</td>
<td>0.96</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Pu239</td>
<td>1.080</td>
<td>0.063</td>
<td>1.120</td>
<td>0.159</td>
<td>0.95</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>Pu239</td>
<td>1.530</td>
<td>0.081</td>
<td>1.120</td>
<td>0.159</td>
<td>1.37</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>560.000</td>
<td>30.000</td>
<td>512.000</td>
<td>52.500</td>
<td>1.09</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Sr 90</td>
<td>460.000</td>
<td>30.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.90</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>Sr 90</td>
<td>510.000</td>
<td>30.000</td>
<td>512.000</td>
<td>52.500</td>
<td>1.00</td>
<td>0.12</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: Al = Bq/filter, S0 = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Laboratory

**Labcode: LA**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>CS137</td>
<td>87.500</td>
<td>9.400</td>
<td>76.800</td>
<td>2.280</td>
<td>1.14</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>CS137</td>
<td>88.900</td>
<td>9.600</td>
<td>76.800</td>
<td>2.280</td>
<td>1.16</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>GA</td>
<td>1700.000</td>
<td>333.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.27</td>
<td>0.25</td>
<td>W</td>
</tr>
<tr>
<td>3</td>
<td>GA</td>
<td>1630.000</td>
<td>333.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.22</td>
<td>0.25</td>
<td>W</td>
</tr>
<tr>
<td>2</td>
<td>GB</td>
<td>851.000</td>
<td>74.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.30</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>3</td>
<td>GB</td>
<td>851.000</td>
<td>74.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.30</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>69.200</td>
<td>14.800</td>
<td>60.300</td>
<td>2.310</td>
<td>1.15</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>H 3</td>
<td>68.200</td>
<td>14.800</td>
<td>60.300</td>
<td>2.310</td>
<td>1.10</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>H 3</td>
<td>68.800</td>
<td>14.800</td>
<td>60.300</td>
<td>2.310</td>
<td>1.14</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>49.500</td>
<td>5.800</td>
<td>43.500</td>
<td>2.060</td>
<td>1.14</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>MN 54</td>
<td>48.100</td>
<td>5.800</td>
<td>43.500</td>
<td>2.060</td>
<td>1.13</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>MN 54</td>
<td>48.600</td>
<td>5.800</td>
<td>43.500</td>
<td>2.060</td>
<td>1.14</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.700</td>
<td>0.280</td>
<td>0.591</td>
<td>0.047</td>
<td>1.18</td>
<td>0.48</td>
<td>W</td>
</tr>
<tr>
<td>2</td>
<td>Pu239</td>
<td>0.620</td>
<td>0.250</td>
<td>0.591</td>
<td>0.047</td>
<td>1.05</td>
<td>0.43</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>Pu239</td>
<td>0.690</td>
<td>0.280</td>
<td>0.591</td>
<td>0.047</td>
<td>1.17</td>
<td>0.48</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>2.090</td>
<td>0.330</td>
<td>2.400</td>
<td>0.225</td>
<td>0.87</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Sr 90</td>
<td>2.360</td>
<td>0.360</td>
<td>2.400</td>
<td>0.225</td>
<td>0.98</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>Sr 90</td>
<td>2.650</td>
<td>0.380</td>
<td>2.400</td>
<td>0.225</td>
<td>1.10</td>
<td>0.19</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

### Labcode: LB

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported Ratio</th>
<th>EML Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>45.000</td>
<td>6.000</td>
<td>91.200</td>
<td>0.912</td>
<td>0.49</td>
<td>0.07</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>6.400</td>
<td>1.000</td>
<td>12.700</td>
<td>0.127</td>
<td>0.50</td>
<td>0.08</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.000</td>
<td>1.500</td>
<td>3.760</td>
<td>0.376</td>
<td>0.80</td>
<td>0.41</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.600</td>
<td>2.100</td>
<td>5.750</td>
<td>0.575</td>
<td>0.87</td>
<td>0.38</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.400</td>
<td>1.600</td>
<td>5.280</td>
<td>0.528</td>
<td>0.83</td>
<td>0.31</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.900</td>
<td>0.500</td>
<td>3.220</td>
<td>0.240</td>
<td>1.21</td>
<td>0.18</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.200</td>
<td>0.400</td>
<td>1.850</td>
<td>0.139</td>
<td>1.19</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.700</td>
<td>1.500</td>
<td>4.710</td>
<td>0.470</td>
<td>0.79</td>
<td>0.33</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>6.800</td>
<td>1.700</td>
<td>9.420</td>
<td>0.942</td>
<td>0.72</td>
<td>0.19</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>226.000</td>
<td>10.000</td>
<td>266.000</td>
<td>3.500</td>
<td>0.85</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>569.000</td>
<td>42.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.48</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>6.800</td>
<td>1.400</td>
<td>9.600</td>
<td>1.700</td>
<td>0.71</td>
<td>0.19</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>116.000</td>
<td>11.000</td>
<td>117.000</td>
<td>3.270</td>
<td>0.99</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1070.000</td>
<td>139.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.04</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.800</td>
<td>0.000</td>
<td>1.330</td>
<td>0.073</td>
<td>1.35</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>227.000</td>
<td>14.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.16</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>103.000</td>
<td>51.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.23</td>
<td>0.61</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>90.000</td>
<td>43.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.17</td>
<td>0.56</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1730.000</td>
<td>207.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.29</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>652.000</td>
<td>24.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>146.000</td>
<td>29.000</td>
<td>60.300</td>
<td>2.310</td>
<td>2.42</td>
<td>0.49</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>47.000</td>
<td>25.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.08</td>
<td>0.58</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
<table>
<thead>
<tr>
<th>Test Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM241</td>
<td>0.165</td>
<td>0.020</td>
<td>0.177</td>
<td>0.003</td>
<td>0.93</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>CE144</td>
<td>61.400</td>
<td>11.000</td>
<td>91.200</td>
<td>0.912</td>
<td>0.67</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>CO 57</td>
<td>9.010</td>
<td>1.880</td>
<td>12.700</td>
<td>0.127</td>
<td>0.71</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>CO 60</td>
<td>2.620</td>
<td>0.620</td>
<td>3.760</td>
<td>0.376</td>
<td>0.75</td>
<td>0.18</td>
<td>W</td>
</tr>
<tr>
<td>CS134</td>
<td>4.270</td>
<td>0.800</td>
<td>5.750</td>
<td>0.576</td>
<td>0.74</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>CS137</td>
<td>4.510</td>
<td>1.130</td>
<td>5.280</td>
<td>0.528</td>
<td>0.85</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>5.410</td>
<td>0.280</td>
<td>5.220</td>
<td>0.240</td>
<td>1.68</td>
<td>0.15</td>
<td>N</td>
</tr>
<tr>
<td>GB</td>
<td>2.020</td>
<td>0.110</td>
<td>1.850</td>
<td>0.139</td>
<td>1.09</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>MN 54</td>
<td>4.410</td>
<td>1.770</td>
<td>4.710</td>
<td>0.470</td>
<td>0.94</td>
<td>0.39</td>
<td>A</td>
</tr>
<tr>
<td>PU238</td>
<td>0.153</td>
<td>0.022</td>
<td>0.122</td>
<td>0.004</td>
<td>1.25</td>
<td>0.19</td>
<td>W</td>
</tr>
<tr>
<td>PU239</td>
<td>0.008</td>
<td>0.016</td>
<td>0.052</td>
<td>0.002</td>
<td>1.41</td>
<td>0.26</td>
<td>W</td>
</tr>
<tr>
<td>SB125</td>
<td>12.800</td>
<td>1.720</td>
<td>9.420</td>
<td>0.942</td>
<td>0.84</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>SR 90</td>
<td>0.810</td>
<td>0.100</td>
<td>0.739</td>
<td>0.054</td>
<td>1.10</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>U 234</td>
<td>0.064</td>
<td>0.014</td>
<td>0.059</td>
<td>0.002</td>
<td>1.09</td>
<td>0.24</td>
<td>A</td>
</tr>
<tr>
<td>U 238</td>
<td>0.011</td>
<td>0.006</td>
<td>0.002</td>
<td>0.000</td>
<td>5.50</td>
<td>3.05</td>
<td>N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM241</td>
<td>1200</td>
<td>50</td>
<td>1250</td>
<td>100</td>
<td>1300</td>
<td>50</td>
<td>A</td>
</tr>
<tr>
<td>CS134</td>
<td>2200</td>
<td>50</td>
<td>2250</td>
<td>100</td>
<td>2300</td>
<td>50</td>
<td>A</td>
</tr>
<tr>
<td>K 40</td>
<td>3200</td>
<td>50</td>
<td>3250</td>
<td>100</td>
<td>3300</td>
<td>50</td>
<td>A</td>
</tr>
<tr>
<td>PU238</td>
<td>4200</td>
<td>50</td>
<td>4250</td>
<td>100</td>
<td>4300</td>
<td>50</td>
<td>A</td>
</tr>
<tr>
<td>PU239</td>
<td>5200</td>
<td>50</td>
<td>5250</td>
<td>100</td>
<td>5300</td>
<td>50</td>
<td>A</td>
</tr>
<tr>
<td>U 234</td>
<td>6200</td>
<td>50</td>
<td>6250</td>
<td>100</td>
<td>6300</td>
<td>50</td>
<td>A</td>
</tr>
<tr>
<td>U 238</td>
<td>7200</td>
<td>50</td>
<td>7250</td>
<td>100</td>
<td>7300</td>
<td>50</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Laboratory

**Labcode: LH**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.240</td>
<td>0.230</td>
<td>0.591</td>
<td>0.047</td>
<td>2.10</td>
<td>0.42</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>2.460</td>
<td>0.550</td>
<td>2.400</td>
<td>0.225</td>
<td>1.03</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.491</td>
<td>0.143</td>
<td>0.373</td>
<td>0.013</td>
<td>1.32</td>
<td>0.39</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported Value</th>
<th>EML Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>67.900</td>
<td>1.800</td>
<td>91.200</td>
<td>0.912</td>
<td>0.75</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>10.000</td>
<td>0.330</td>
<td>12.700</td>
<td>0.127</td>
<td>0.79</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.340</td>
<td>0.100</td>
<td>3.760</td>
<td>0.376</td>
<td>0.89</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.810</td>
<td>0.130</td>
<td>5.750</td>
<td>0.575</td>
<td>1.01</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.920</td>
<td>0.180</td>
<td>5.280</td>
<td>0.528</td>
<td>0.93</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.140</td>
<td>0.183</td>
<td>4.710</td>
<td>0.470</td>
<td>0.88</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.116</td>
<td>0.019</td>
<td>0.122</td>
<td>0.004</td>
<td>0.95</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.060</td>
<td>0.012</td>
<td>0.062</td>
<td>0.002</td>
<td>0.96</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.060</td>
<td>0.310</td>
<td>9.420</td>
<td>0.942</td>
<td>0.66</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>300.000</td>
<td>6.400</td>
<td>266.000</td>
<td>3.560</td>
<td>1.13</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>387.000</td>
<td>26.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.01</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>31.600</td>
<td>2.240</td>
<td>32.000</td>
<td>0.567</td>
<td>0.99</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>6.660</td>
<td>0.610</td>
<td>6.760</td>
<td>0.440</td>
<td>0.99</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>7.880</td>
<td>1.820</td>
<td>9.600</td>
<td>1.700</td>
<td>0.82</td>
<td>0.24</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>131.000</td>
<td>4.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.12</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1040.000</td>
<td>57.200</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.01</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.089</td>
<td>0.046</td>
<td>0.089</td>
<td>0.019</td>
<td>1.00</td>
<td>0.56</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.030</td>
<td>0.152</td>
<td>1.120</td>
<td>0.159</td>
<td>0.92</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>200.000</td>
<td>5.250</td>
<td>196.000</td>
<td>3.490</td>
<td>1.02</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>92.000</td>
<td>3.420</td>
<td>83.500</td>
<td>1.800</td>
<td>1.10</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>83.500</td>
<td>4.170</td>
<td>76.800</td>
<td>2.280</td>
<td>1.09</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>56.700</td>
<td>3.170</td>
<td>60.300</td>
<td>2.310</td>
<td>0.94</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>44.600</td>
<td>3.410</td>
<td>43.500</td>
<td>2.060</td>
<td>1.03</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.678</td>
<td>0.051</td>
<td>0.591</td>
<td>0.047</td>
<td>1.15</td>
<td>0.13</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
# Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CE144</td>
<td>130.000</td>
<td>2.900</td>
<td>91.200</td>
<td>0.912</td>
<td>1.43</td>
<td>0.03</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>8.900</td>
<td>0.860</td>
<td>3.760</td>
<td>0.376</td>
<td>1.04</td>
<td>0.28</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>8.600</td>
<td>0.510</td>
<td>5.750</td>
<td>0.575</td>
<td>1.53</td>
<td>0.18</td>
<td>N</td>
</tr>
<tr>
<td>2</td>
<td>CS134</td>
<td>100.000</td>
<td>5.300</td>
<td>5.750</td>
<td>0.575</td>
<td>17.40</td>
<td>1.97</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>4.100</td>
<td>0.400</td>
<td>3.220</td>
<td>0.240</td>
<td>1.27</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>7.600</td>
<td>0.670</td>
<td>4.710</td>
<td>0.470</td>
<td>1.61</td>
<td>0.22</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>14.000</td>
<td>1.300</td>
<td>9.420</td>
<td>0.942</td>
<td>1.49</td>
<td>0.20</td>
<td>W</td>
</tr>
</tbody>
</table>

**Matrix: AI**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CO 60</td>
<td>250.000</td>
<td>8.400</td>
<td>186.000</td>
<td>3.490</td>
<td>1.28</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>96.000</td>
<td>5.600</td>
<td>76.800</td>
<td>2.280</td>
<td>1.25</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>78.000</td>
<td>8.000</td>
<td>60.300</td>
<td>2.310</td>
<td>1.29</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>56.000</td>
<td>5.600</td>
<td>43.500</td>
<td>2.050</td>
<td>1.29</td>
<td>0.14</td>
<td>N</td>
</tr>
</tbody>
</table>

**Units for matrices:**
- AI = Bq/filter
- SO = Bq/kg
- VE = Bq/kg
- WA = Bq/L.

Values for elemental uranium are reported in μg/filter, g, or mL.

**Evaluation:**
- A = Acceptable
- W = Acceptable with Warning
- N = Not Acceptable
### Results by Laboratory

**Labcode: LW**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>299.000</td>
<td>12.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.12</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>402.000</td>
<td>56.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.05</td>
<td>0.16</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: VE**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CO 60</td>
<td>7.350</td>
<td>1.810</td>
<td>9.600</td>
<td>1.700</td>
<td>0.77</td>
<td>0.23</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>126.000</td>
<td>6.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.08</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>995.000</td>
<td>60.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.97</td>
<td>0.06</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: WA**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CO 60</td>
<td>185.000</td>
<td>5.180</td>
<td>196.000</td>
<td>3.490</td>
<td>0.94</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>83.300</td>
<td>3.600</td>
<td>83.500</td>
<td>1.800</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>80.800</td>
<td>4.100</td>
<td>76.800</td>
<td>2.280</td>
<td>1.05</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>49.200</td>
<td>1.780</td>
<td>60.300</td>
<td>2.310</td>
<td>0.82</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>44.900</td>
<td>3.280</td>
<td>43.500</td>
<td>2.060</td>
<td>1.03</td>
<td>0.09</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: Al = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Ratio EML Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matrix:</td>
<td>SO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.300</td>
<td>1.900</td>
<td>3.200</td>
<td>0.754</td>
<td>1.03</td>
<td>0.64</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>340.000</td>
<td>10.000</td>
<td>366.000</td>
<td>3.560</td>
<td>1.28</td>
<td>0.04</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>407.000</td>
<td>37.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.06</td>
<td>0.12</td>
</tr>
<tr>
<td>Matrix:</td>
<td>VE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>9.600</td>
<td>3.000</td>
<td>9.600</td>
<td>1.700</td>
<td>1.00</td>
<td>0.36</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>159.000</td>
<td>6.700</td>
<td>117.000</td>
<td>3.270</td>
<td>1.36</td>
<td>0.07</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1110.000</td>
<td>74.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.08</td>
<td>0.07</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

**Labcode: ME**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>Error</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.110</td>
<td>0.100</td>
<td>0.177</td>
<td>0.003</td>
<td>6.27</td>
<td>0.58</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>76.500</td>
<td>6.660</td>
<td>91.200</td>
<td>0.912</td>
<td>0.84</td>
<td>0.07</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>11.500</td>
<td>0.310</td>
<td>12.700</td>
<td>0.127</td>
<td>0.91</td>
<td>0.03</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.250</td>
<td>0.090</td>
<td>3.760</td>
<td>0.376</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.660</td>
<td>0.100</td>
<td>5.750</td>
<td>0.575</td>
<td>0.81</td>
<td>0.08</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.920</td>
<td>0.160</td>
<td>5.280</td>
<td>0.528</td>
<td>0.93</td>
<td>0.10</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>131.000</td>
<td>2.000</td>
<td>3.220</td>
<td>0.240</td>
<td>40.70</td>
<td>3.10</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>66.000</td>
<td>1.200</td>
<td>1.850</td>
<td>0.139</td>
<td>35.70</td>
<td>2.76</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>6.920</td>
<td>0.140</td>
<td>4.710</td>
<td>0.470</td>
<td>1.47</td>
<td>0.15</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.200</td>
<td>0.030</td>
<td>0.082</td>
<td>0.002</td>
<td>3.21</td>
<td>0.49</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.070</td>
<td>0.100</td>
<td>9.420</td>
<td>0.842</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.100</td>
<td>0.700</td>
<td>3.200</td>
<td>0.754</td>
<td>0.97</td>
<td>0.32</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>409.000</td>
<td>2.700</td>
<td>266.000</td>
<td>3.560</td>
<td>1.54</td>
<td>0.02</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>564.000</td>
<td>10.800</td>
<td>384.000</td>
<td>27.800</td>
<td>1.47</td>
<td>0.11</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>3.400</td>
<td>1.500</td>
<td>6.760</td>
<td>0.440</td>
<td>0.50</td>
<td>0.22</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>12.600</td>
<td>1.100</td>
<td>9.800</td>
<td>1.700</td>
<td>1.31</td>
<td>0.26</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>216.000</td>
<td>3.200</td>
<td>117.000</td>
<td>3.270</td>
<td>1.85</td>
<td>0.06</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1770.000</td>
<td>38.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.72</td>
<td>0.04</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>206.000</td>
<td>9.580</td>
<td>196.000</td>
<td>3.490</td>
<td>1.05</td>
<td>0.05</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>82.900</td>
<td>1.790</td>
<td>83.500</td>
<td>1.800</td>
<td>0.99</td>
<td>0.03</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>80.100</td>
<td>2.810</td>
<td>76.800</td>
<td>2.280</td>
<td>1.04</td>
<td>0.05</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>52.500</td>
<td>8.500</td>
<td>60.300</td>
<td>2.310</td>
<td>0.87</td>
<td>0.15</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>44.600</td>
<td>2.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.03</td>
<td>0.07</td>
<td>A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

### Labcode: MI

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>EML Evaluated</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>8.020</td>
<td>0.265</td>
<td>12.700</td>
<td>0.127</td>
<td>0.63</td>
<td>0.02</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>5.110</td>
<td>0.167</td>
<td>5.760</td>
<td>0.575</td>
<td>0.89</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>8.020</td>
<td>0.182</td>
<td>5.280</td>
<td>0.528</td>
<td>0.73</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>3.870</td>
<td>0.192</td>
<td>4.710</td>
<td>0.470</td>
<td>0.74</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.710</td>
<td>0.171</td>
<td>1.330</td>
<td>0.073</td>
<td>2.07</td>
<td>0.17</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>228.000</td>
<td>7.330</td>
<td>195.000</td>
<td>3.490</td>
<td>1.14</td>
<td>0.04</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>80.300</td>
<td>3.780</td>
<td>76.800</td>
<td>2.280</td>
<td>1.05</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>70.000</td>
<td>0.000</td>
<td>60.300</td>
<td>2.310</td>
<td>1.16</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>45.900</td>
<td>2.240</td>
<td>43.500</td>
<td>2.060</td>
<td>1.05</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>MN 54</td>
<td>47.400</td>
<td>2.300</td>
<td>43.500</td>
<td>2.060</td>
<td>1.09</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL.

## Results by Laboratory

**Labcode: ML**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.240</td>
<td>0.260</td>
<td>3.220</td>
<td>0.240</td>
<td>1.01</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.160</td>
<td>0.080</td>
<td>1.850</td>
<td>0.139</td>
<td>0.63</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.125</td>
<td>0.006</td>
<td>0.122</td>
<td>0.004</td>
<td>1.03</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.067</td>
<td>0.005</td>
<td>0.062</td>
<td>0.002</td>
<td>1.08</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.068</td>
<td>0.004</td>
<td>0.059</td>
<td>0.002</td>
<td>1.15</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.041</td>
<td>0.001</td>
<td>0.030</td>
<td>0.009</td>
<td>1.34</td>
<td>0.40</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>286.000</td>
<td>4.400</td>
<td>286.000</td>
<td>3.560</td>
<td>1.08</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>533.000</td>
<td>32.300</td>
<td>384.000</td>
<td>27.000</td>
<td>1.39</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>34.700</td>
<td>1.780</td>
<td>32.000</td>
<td>0.567</td>
<td>1.08</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>6.960</td>
<td>0.797</td>
<td>6.760</td>
<td>0.440</td>
<td>1.03</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>25.700</td>
<td>1.700</td>
<td>30.300</td>
<td>1.790</td>
<td>0.85</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>25.200</td>
<td>1.680</td>
<td>31.600</td>
<td>1.270</td>
<td>0.80</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>U 238</td>
<td>24.200</td>
<td>0.992</td>
<td>31.600</td>
<td>1.270</td>
<td>0.77</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>7.600</td>
<td>0.970</td>
<td>9.600</td>
<td>1.700</td>
<td>0.82</td>
<td>0.18</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>105.000</td>
<td>3.300</td>
<td>117.000</td>
<td>3.270</td>
<td>0.90</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1010.000</td>
<td>55.300</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.98</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.081</td>
<td>0.115</td>
<td>0.089</td>
<td>0.019</td>
<td>0.91</td>
<td>1.31</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.080</td>
<td>0.110</td>
<td>1.120</td>
<td>0.159</td>
<td>0.96</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1480.000</td>
<td>84.900</td>
<td>1349.000</td>
<td>40.000</td>
<td>1.10</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>784.000</td>
<td>70.500</td>
<td>653.000</td>
<td>19.300</td>
<td>1.20</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>44.800</td>
<td>5.460</td>
<td>60.300</td>
<td>2.310</td>
<td>0.74</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.713</td>
<td>0.051</td>
<td>0.591</td>
<td>0.047</td>
<td>1.21</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.350</td>
<td>0.017</td>
<td>0.373</td>
<td>0.013</td>
<td>0.94</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.228</td>
<td>0.014</td>
<td>0.196</td>
<td>0.006</td>
<td>1.16</td>
<td>0.08</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>Error</th>
<th>Reported EML Value</th>
<th>Error</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.170</td>
<td>0.020</td>
<td>0.177</td>
<td>0.003</td>
<td>0.96</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AN241</td>
<td>114.000</td>
<td>0.520</td>
<td>91.200</td>
<td>0.912</td>
<td>1.25</td>
<td>0.01</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>16.000</td>
<td>0.070</td>
<td>12.700</td>
<td>0.127</td>
<td>1.26</td>
<td>0.01</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>4.510</td>
<td>0.080</td>
<td>3.760</td>
<td>0.376</td>
<td>1.20</td>
<td>0.12</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>7.200</td>
<td>0.060</td>
<td>5.750</td>
<td>0.575</td>
<td>1.25</td>
<td>0.13</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>7.190</td>
<td>0.080</td>
<td>5.280</td>
<td>0.528</td>
<td>1.38</td>
<td>0.14</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>6.310</td>
<td>0.080</td>
<td>4.710</td>
<td>0.470</td>
<td>1.34</td>
<td>0.14</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.110</td>
<td>0.010</td>
<td>0.122</td>
<td>0.004</td>
<td>0.90</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.070</td>
<td>0.010</td>
<td>0.062</td>
<td>0.002</td>
<td>1.12</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>14.000</td>
<td>0.170</td>
<td>9.420</td>
<td>0.942</td>
<td>1.49</td>
<td>0.15</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR 50</td>
<td>0.730</td>
<td>0.010</td>
<td>0.738</td>
<td>0.054</td>
<td>0.99</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.120</td>
<td>0.010</td>
<td>0.059</td>
<td>0.002</td>
<td>2.03</td>
<td>0.18</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.030</td>
<td>0.010</td>
<td>0.030</td>
<td>0.009</td>
<td>0.99</td>
<td>0.44</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.035</td>
<td>0.010</td>
<td>0.002</td>
<td>0.000</td>
<td>17.50</td>
<td>5.30</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>4.800</td>
<td>1.800</td>
<td>3.200</td>
<td>0.754</td>
<td>1.44</td>
<td>0.66</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>304.000</td>
<td>9.400</td>
<td>266.000</td>
<td>3.560</td>
<td>1.14</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>434.000</td>
<td>9.400</td>
<td>384.000</td>
<td>27.800</td>
<td>1.13</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>32.700</td>
<td>2.900</td>
<td>32.000</td>
<td>0.567</td>
<td>1.02</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>6.200</td>
<td>1.100</td>
<td>6.780</td>
<td>0.440</td>
<td>0.92</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR 50</td>
<td>689.000</td>
<td>160.000</td>
<td>11.300</td>
<td>1.500</td>
<td>61.00</td>
<td>18.30</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>36.100</td>
<td>3.400</td>
<td>30.300</td>
<td>1.790</td>
<td>1.19</td>
<td>0.13</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>1.700</td>
<td>0.700</td>
<td>1.590</td>
<td>0.075</td>
<td>1.07</td>
<td>0.44</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>25.900</td>
<td>2.800</td>
<td>31.600</td>
<td>1.270</td>
<td>0.82</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.300</td>
<td>1.100</td>
<td>0.702</td>
<td>0.048</td>
<td>3.28</td>
<td>1.58</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>9.400</td>
<td>1.600</td>
<td>9.600</td>
<td>1.700</td>
<td>0.98</td>
<td>0.24</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>146.000</td>
<td>1.900</td>
<td>117.000</td>
<td>3.270</td>
<td>1.25</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1270.000</td>
<td>24.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.23</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.700</td>
<td>0.900</td>
<td>0.089</td>
<td>0.019</td>
<td>7.89</td>
<td>10.30</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.300</td>
<td>0.700</td>
<td>1.120</td>
<td>0.159</td>
<td>1.16</td>
<td>0.65</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR 50</td>
<td>69.200</td>
<td>6.200</td>
<td>512.000</td>
<td>52.500</td>
<td>0.14</td>
<td>0.02</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.320</td>
<td>0.080</td>
<td>1.330</td>
<td>0.073</td>
<td>0.99</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>211.000</td>
<td>1.200</td>
<td>196.000</td>
<td>3.490</td>
<td>1.08</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>91.100</td>
<td>0.700</td>
<td>83.500</td>
<td>1.800</td>
<td>1.09</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>86.100</td>
<td>1.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.12</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>48.700</td>
<td>4.040</td>
<td>60.300</td>
<td>2.310</td>
<td>0.81</td>
<td>0.07</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>47.500</td>
<td>0.800</td>
<td>43.500</td>
<td>2.060</td>
<td>1.09</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.610</td>
<td>0.050</td>
<td>0.591</td>
<td>0.047</td>
<td>1.03</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.050</td>
<td>0.270</td>
<td>2.400</td>
<td>0.225</td>
<td>0.85</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/kg SO = Bq/kg VE = Bq/kg WA = Bq/l. Values for elemental uranium are reported in pg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.520</td>
<td>0.060</td>
<td>0.373</td>
<td>0.013</td>
<td>1.39</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.200</td>
<td>0.030</td>
<td>0.196</td>
<td>0.006</td>
<td>1.02</td>
<td>0.16</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Reported EML Value</th>
<th>EML Error</th>
<th>Reported EML Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 CE144</td>
<td>65.000</td>
<td>1.700</td>
<td>91.200</td>
<td>0.912</td>
</tr>
<tr>
<td>1 CO 57</td>
<td>12.000</td>
<td>0.200</td>
<td>12.700</td>
<td>0.127</td>
</tr>
<tr>
<td>1 CO 60</td>
<td>3.560</td>
<td>0.160</td>
<td>3.760</td>
<td>0.376</td>
</tr>
<tr>
<td>1 CS134</td>
<td>4.840</td>
<td>0.220</td>
<td>5.750</td>
<td>0.575</td>
</tr>
<tr>
<td>1 CS137</td>
<td>4.830</td>
<td>0.190</td>
<td>5.280</td>
<td>0.528</td>
</tr>
<tr>
<td>1 MN 54</td>
<td>4.330</td>
<td>0.210</td>
<td>4.710</td>
<td>0.470</td>
</tr>
<tr>
<td>1 SB125</td>
<td>9.080</td>
<td>0.360</td>
<td>9.420</td>
<td>0.965</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 CS137</td>
<td>256.000</td>
<td>3.800</td>
<td>266.000</td>
<td>3.560</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 CO 60</td>
<td>8.220</td>
<td>0.540</td>
<td>9.600</td>
<td>1.700</td>
</tr>
<tr>
<td>1 CS137</td>
<td>120.000</td>
<td>2.100</td>
<td>117.000</td>
<td>3.270</td>
</tr>
<tr>
<td>1 K 40</td>
<td>1170.000</td>
<td>32.800</td>
<td>1030.000</td>
<td>8.160</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 CO 60</td>
<td>203.000</td>
<td>4.100</td>
<td>196.000</td>
<td>3.490</td>
</tr>
<tr>
<td>1 CS134</td>
<td>90.200</td>
<td>3.400</td>
<td>83.500</td>
<td>1.800</td>
</tr>
<tr>
<td>1 CS137</td>
<td>79.900</td>
<td>2.400</td>
<td>76.800</td>
<td>2.280</td>
</tr>
<tr>
<td>1 MN 54</td>
<td>50.600</td>
<td>1.500</td>
<td>43.500</td>
<td>2.060</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.075</td>
<td>0.007</td>
<td>0.059</td>
<td>0.002</td>
<td>1.27</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.034</td>
<td>0.004</td>
<td>0.030</td>
<td>0.008</td>
<td>1.12</td>
<td>0.36</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.008</td>
<td>0.001</td>
<td>0.002</td>
<td>0.000</td>
<td>3.75</td>
<td>0.55</td>
<td>N</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.500</td>
<td>0.600</td>
<td>3.200</td>
<td>0.754</td>
<td>1.09</td>
<td>0.32</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>300.000</td>
<td>10.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.13</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>380.000</td>
<td>10.000</td>
<td>384.000</td>
<td>27.900</td>
<td>0.99</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>29.900</td>
<td>2.200</td>
<td>30.300</td>
<td>1.750</td>
<td>0.99</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>28.800</td>
<td>2.200</td>
<td>31.800</td>
<td>1.270</td>
<td>0.94</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.500</td>
<td>1.700</td>
<td>0.702</td>
<td>0.048</td>
<td>3.56</td>
<td>2.43</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>C0 60</td>
<td>8.400</td>
<td>1.000</td>
<td>9.600</td>
<td>1.700</td>
<td>0.88</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>129.000</td>
<td>6.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.10</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1070.000</td>
<td>20.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.04</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.700</td>
<td>0.570</td>
<td>1.330</td>
<td>0.073</td>
<td>1.28</td>
<td>0.43</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>C0 60</td>
<td>212.000</td>
<td>14.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.09</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>92.200</td>
<td>10.700</td>
<td>83.500</td>
<td>1.800</td>
<td>1.10</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>97.000</td>
<td>5.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.16</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>85.000</td>
<td>8.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.11</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>88.000</td>
<td>5.000</td>
<td>78.800</td>
<td>2.280</td>
<td>1.15</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>53.300</td>
<td>4.400</td>
<td>60.300</td>
<td>2.310</td>
<td>0.88</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>47.000</td>
<td>5.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.08</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>48.000</td>
<td>3.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.13</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.490</td>
<td>0.180</td>
<td>2.400</td>
<td>0.225</td>
<td>1.04</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.407</td>
<td>0.026</td>
<td>0.373</td>
<td>0.013</td>
<td>1.09</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.198</td>
<td>0.014</td>
<td>0.196</td>
<td>0.006</td>
<td>1.01</td>
<td>0.08</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in g/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

#### Labcode: NL

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Matrix: AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>61.000</td>
<td>1.000</td>
<td>91.200</td>
<td>0.912</td>
<td>0.67</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>8.500</td>
<td>0.400</td>
<td>12.700</td>
<td>0.127</td>
<td>0.67</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 80</td>
<td>2.800</td>
<td>0.100</td>
<td>3.760</td>
<td>0.376</td>
<td>0.75</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.400</td>
<td>0.100</td>
<td>5.750</td>
<td>0.575</td>
<td>0.77</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>3.900</td>
<td>0.100</td>
<td>5.280</td>
<td>0.528</td>
<td>0.74</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.700</td>
<td>0.100</td>
<td>4.710</td>
<td>0.470</td>
<td>0.79</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.120</td>
<td>0.010</td>
<td>0.122</td>
<td>0.004</td>
<td>0.98</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.064</td>
<td>0.005</td>
<td>0.062</td>
<td>0.002</td>
<td>1.03</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>2.200</td>
<td>0.400</td>
<td>9.420</td>
<td>0.942</td>
<td>0.23</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td></td>
<td>Matrix: SO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>330.000</td>
<td>6.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.24</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>500.000</td>
<td>40.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.30</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>30.000</td>
<td>2.000</td>
<td>32.000</td>
<td>0.557</td>
<td>0.94</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>5.800</td>
<td>0.700</td>
<td>6.760</td>
<td>0.440</td>
<td>0.86</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>92.500</td>
<td>9.300</td>
<td>10.300</td>
<td>1.790</td>
<td>3.05</td>
<td>0.36</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>4.070</td>
<td>0.400</td>
<td>1.590</td>
<td>0.675</td>
<td>2.56</td>
<td>0.28</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>77.700</td>
<td>7.800</td>
<td>31.600</td>
<td>1.270</td>
<td>2.46</td>
<td>0.27</td>
<td>N</td>
</tr>
<tr>
<td></td>
<td>Matrix: WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>200.000</td>
<td>4.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.02</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>81.000</td>
<td>2.000</td>
<td>83.500</td>
<td>1.800</td>
<td>0.97</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>78.000</td>
<td>2.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.02</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>48.000</td>
<td>2.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.10</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.890</td>
<td>0.040</td>
<td>0.591</td>
<td>0.047</td>
<td>1.17</td>
<td>0.12</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PU239</td>
<td>0.583</td>
<td>0.017</td>
<td>0.591</td>
<td>0.047</td>
<td>0.99</td>
<td>0.08</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: Al=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Compilation</th>
<th>Compilation Error</th>
<th>Compilation Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Labcode: OB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matrix: AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>2.070</td>
<td>0.200</td>
<td>3.220</td>
<td>0.240</td>
<td>0.64</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.650</td>
<td>0.200</td>
<td>1.850</td>
<td>0.139</td>
<td>0.89</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>Matrix: SO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>4.000</td>
<td>0.400</td>
<td>32.000</td>
<td>0.567</td>
<td>0.13</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>27.000</td>
<td>1.000</td>
<td>6.760</td>
<td>0.440</td>
<td>3.99</td>
<td>0.30</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>29.000</td>
<td>1.000</td>
<td>30.300</td>
<td>1.790</td>
<td>0.86</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>29.000</td>
<td>1.000</td>
<td>31.600</td>
<td>1.270</td>
<td>0.92</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>Matrix: WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1320.000</td>
<td>130.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.99</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>574.000</td>
<td>50.000</td>
<td>653.000</td>
<td>19.300</td>
<td>0.88</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.400</td>
<td>0.100</td>
<td>0.591</td>
<td>0.047</td>
<td>2.37</td>
<td>0.25</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.680</td>
<td>0.100</td>
<td>0.373</td>
<td>0.013</td>
<td>1.82</td>
<td>0.28</td>
<td>N</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter SO = Bq/kg VE = Bq/kg WA = Bq/L Values for elemental uranium are reported in μg/filter, g, or mL Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable
### Results by Laboratory

**Labcode: OD**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CE144</td>
<td>53.400</td>
<td>1.980</td>
<td>91.200</td>
<td>0.912</td>
<td>0.59</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>C0 57</td>
<td>8.650</td>
<td>0.310</td>
<td>12.700</td>
<td>0.127</td>
<td>0.68</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>C0 60</td>
<td>2.940</td>
<td>0.130</td>
<td>3.760</td>
<td>0.376</td>
<td>0.78</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.740</td>
<td>0.170</td>
<td>5.750</td>
<td>0.575</td>
<td>0.82</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.320</td>
<td>0.270</td>
<td>5.280</td>
<td>0.528</td>
<td>0.82</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.760</td>
<td>0.280</td>
<td>4.710</td>
<td>0.470</td>
<td>0.80</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>7.640</td>
<td>0.310</td>
<td>9.420</td>
<td>0.942</td>
<td>0.81</td>
<td>0.09</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: AI**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.370</td>
<td>0.128</td>
<td>1.330</td>
<td>0.073</td>
<td>1.03</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C0 60</td>
<td>209.000</td>
<td>1.970</td>
<td>196.000</td>
<td>3.490</td>
<td>1.07</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>82.300</td>
<td>1.780</td>
<td>83.500</td>
<td>1.800</td>
<td>0.99</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>84.300</td>
<td>2.670</td>
<td>76.800</td>
<td>2.280</td>
<td>1.10</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>68.000</td>
<td>12.400</td>
<td>60.300</td>
<td>2.310</td>
<td>1.14</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>46.000</td>
<td>2.150</td>
<td>43.500</td>
<td>2.060</td>
<td>1.07</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.594</td>
<td>0.065</td>
<td>0.591</td>
<td>0.047</td>
<td>1.01</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>1.980</td>
<td>0.360</td>
<td>2.400</td>
<td>0.225</td>
<td>0.83</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.355</td>
<td>0.038</td>
<td>0.373</td>
<td>0.013</td>
<td>0.95</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.165</td>
<td>0.019</td>
<td>0.196</td>
<td>0.006</td>
<td>0.84</td>
<td>0.10</td>
<td>W</td>
</tr>
</tbody>
</table>

**Matrix: WA**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.370</td>
<td>0.128</td>
<td>1.330</td>
<td>0.073</td>
<td>1.03</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C0 60</td>
<td>209.000</td>
<td>1.970</td>
<td>196.000</td>
<td>3.490</td>
<td>1.07</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>82.300</td>
<td>1.780</td>
<td>83.500</td>
<td>1.800</td>
<td>0.99</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>84.300</td>
<td>2.670</td>
<td>76.800</td>
<td>2.280</td>
<td>1.10</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>68.000</td>
<td>12.400</td>
<td>60.300</td>
<td>2.310</td>
<td>1.14</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>46.000</td>
<td>2.150</td>
<td>43.500</td>
<td>2.060</td>
<td>1.07</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.594</td>
<td>0.065</td>
<td>0.591</td>
<td>0.047</td>
<td>1.01</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>1.980</td>
<td>0.360</td>
<td>2.400</td>
<td>0.225</td>
<td>0.83</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.355</td>
<td>0.038</td>
<td>0.373</td>
<td>0.013</td>
<td>0.95</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.165</td>
<td>0.019</td>
<td>0.196</td>
<td>0.006</td>
<td>0.84</td>
<td>0.10</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CE144</td>
<td>165.000</td>
<td>1.000</td>
<td>91.200</td>
<td>0.912</td>
<td>1.81</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>6.200</td>
<td>0.100</td>
<td>3.760</td>
<td>0.376</td>
<td>1.85</td>
<td>0.17</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>10.900</td>
<td>0.100</td>
<td>5.750</td>
<td>0.575</td>
<td>1.90</td>
<td>0.19</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>10.100</td>
<td>0.200</td>
<td>5.280</td>
<td>0.528</td>
<td>1.91</td>
<td>0.20</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>8.500</td>
<td>0.200</td>
<td>4.710</td>
<td>0.470</td>
<td>1.81</td>
<td>0.19</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>1.230</td>
<td>0.070</td>
<td>0.739</td>
<td>0.054</td>
<td>1.66</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>0.160</td>
<td>0.020</td>
<td>0.091</td>
<td>0.005</td>
<td>1.76</td>
<td>0.24</td>
<td>N</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matrix:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>162.000</td>
<td>1.000</td>
<td>266.000</td>
<td>3.560</td>
<td>0.61</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>207.000</td>
<td>7.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.54</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>38.000</td>
<td>3.100</td>
<td>63.400</td>
<td>3.200</td>
<td>0.60</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matrix:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>VE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>5.600</td>
<td>0.100</td>
<td>9.600</td>
<td>1.700</td>
<td>0.58</td>
<td>0.10</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>84.500</td>
<td>1.700</td>
<td>117.000</td>
<td>3.270</td>
<td>0.72</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>677.000</td>
<td>17.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.66</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>480.000</td>
<td>6.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.94</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matrix:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>168.000</td>
<td>1.000</td>
<td>196.000</td>
<td>3.490</td>
<td>0.66</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>79.200</td>
<td>1.000</td>
<td>83.500</td>
<td>1.800</td>
<td>0.95</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>72.300</td>
<td>0.800</td>
<td>76.800</td>
<td>2.280</td>
<td>0.94</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>39.400</td>
<td>1.000</td>
<td>43.500</td>
<td>2.060</td>
<td>0.91</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>0.480</td>
<td>0.060</td>
<td>0.568</td>
<td>0.028</td>
<td>0.85</td>
<td>0.11</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: Al=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Labcode: OL</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matrix: AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.210</td>
<td>0.040</td>
<td>0.177</td>
<td>0.003</td>
<td>1.19</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CA144</td>
<td>62.600</td>
<td>6.500</td>
<td>91.200</td>
<td>0.912</td>
<td>0.69</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>9.640</td>
<td>0.560</td>
<td>12.700</td>
<td>0.127</td>
<td>0.76</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.110</td>
<td>0.170</td>
<td>3.760</td>
<td>0.376</td>
<td>0.83</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.380</td>
<td>0.300</td>
<td>5.750</td>
<td>0.575</td>
<td>0.76</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.600</td>
<td>0.220</td>
<td>5.280</td>
<td>0.528</td>
<td>0.87</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.100</td>
<td>0.280</td>
<td>4.710</td>
<td>0.470</td>
<td>0.87</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.260</td>
<td>0.820</td>
<td>9.420</td>
<td>0.942</td>
<td>0.88</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>Matrix: SO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>304.000</td>
<td>7.800</td>
<td>266.000</td>
<td>3.560</td>
<td>1.14</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>449.000</td>
<td>23.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.17</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>Matrix: VE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>8.570</td>
<td>0.500</td>
<td>9.600</td>
<td>1.700</td>
<td>0.89</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>142.000</td>
<td>3.390</td>
<td>117.000</td>
<td>3.270</td>
<td>1.21</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1240.000</td>
<td>39.700</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.20</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>Matrix: WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>214.000</td>
<td>2.200</td>
<td>196.000</td>
<td>3.490</td>
<td>1.09</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>87.700</td>
<td>1.800</td>
<td>83.500</td>
<td>1.800</td>
<td>1.05</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>87.800</td>
<td>1.800</td>
<td>76.800</td>
<td>2.280</td>
<td>1.14</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>48.800</td>
<td>1.300</td>
<td>43.500</td>
<td>2.060</td>
<td>1.15</td>
<td>0.06</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
# Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Labcode: OR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Matrix: AI

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.190</td>
<td>0.020</td>
<td>0.177</td>
<td>0.003</td>
<td>1.07</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>70.000</td>
<td>1.000</td>
<td>91.200</td>
<td>0.912</td>
<td>0.77</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>10.000</td>
<td>1.000</td>
<td>12.700</td>
<td>0.127</td>
<td>0.79</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.400</td>
<td>0.300</td>
<td>3.760</td>
<td>0.376</td>
<td>0.90</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.100</td>
<td>0.200</td>
<td>5.750</td>
<td>0.575</td>
<td>0.99</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.200</td>
<td>0.300</td>
<td>5.280</td>
<td>0.528</td>
<td>0.99</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.300</td>
<td>0.300</td>
<td>4.710</td>
<td>0.470</td>
<td>0.91</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.130</td>
<td>0.010</td>
<td>0.122</td>
<td>0.004</td>
<td>1.07</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.065</td>
<td>0.009</td>
<td>0.062</td>
<td>0.002</td>
<td>1.04</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>10.300</td>
<td>0.800</td>
<td>9.420</td>
<td>0.942</td>
<td>1.09</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>0.100</td>
<td>0.020</td>
<td>0.091</td>
<td>0.005</td>
<td>1.10</td>
<td>0.23</td>
<td>A</td>
</tr>
</tbody>
</table>

## Matrix: SO

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CS137</td>
<td>330.000</td>
<td>20.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.24</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>520.000</td>
<td>100.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.35</td>
<td>0.28</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>15.000</td>
<td>1.000</td>
<td>32.000</td>
<td>0.567</td>
<td>0.47</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>3.100</td>
<td>0.400</td>
<td>6.760</td>
<td>0.440</td>
<td>0.46</td>
<td>0.07</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>10.000</td>
<td>2.000</td>
<td>11.300</td>
<td>1.500</td>
<td>0.89</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>48.000</td>
<td>4.000</td>
<td>63.400</td>
<td>3.200</td>
<td>0.76</td>
<td>0.07</td>
<td>A</td>
</tr>
</tbody>
</table>

## Matrix: VE

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.710</td>
<td>0.210</td>
<td>0.702</td>
<td>0.048</td>
<td>1.01</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>9.500</td>
<td>3.500</td>
<td>9.600</td>
<td>1.700</td>
<td>0.99</td>
<td>0.41</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>140.000</td>
<td>10.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.20</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1300.000</td>
<td>100.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.26</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.053</td>
<td>0.081</td>
<td>0.069</td>
<td>0.019</td>
<td>0.60</td>
<td>0.92</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.570</td>
<td>0.140</td>
<td>1.120</td>
<td>0.159</td>
<td>0.51</td>
<td>0.14</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>380.000</td>
<td>20.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.74</td>
<td>0.09</td>
<td>A</td>
</tr>
</tbody>
</table>

## Matrix: WA

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.400</td>
<td>0.100</td>
<td>1.330</td>
<td>0.073</td>
<td>1.05</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>200.000</td>
<td>10.000</td>
<td>186.000</td>
<td>3.490</td>
<td>1.02</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>83.000</td>
<td>2.000</td>
<td>83.500</td>
<td>1.800</td>
<td>0.90</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>81.000</td>
<td>3.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.05</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>54.000</td>
<td>11.000</td>
<td>60.900</td>
<td>2.310</td>
<td>0.90</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>45.000</td>
<td>2.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.03</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.050</td>
<td>0.080</td>
<td>0.051</td>
<td>0.047</td>
<td>1.10</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.000</td>
<td>0.200</td>
<td>2.400</td>
<td>0.225</td>
<td>0.83</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>0.660</td>
<td>0.080</td>
<td>0.568</td>
<td>0.028</td>
<td>1.16</td>
<td>0.15</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
# Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>88.400</td>
<td>4.150</td>
<td>91.200</td>
<td>0.912</td>
<td>0.97</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co 57</td>
<td>12.800</td>
<td>0.590</td>
<td>12.700</td>
<td>0.127</td>
<td>1.01</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>2.930</td>
<td>0.080</td>
<td>3.760</td>
<td>0.376</td>
<td>0.78</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cs134</td>
<td>4.810</td>
<td>0.110</td>
<td>5.750</td>
<td>0.575</td>
<td>0.84</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cs137</td>
<td>4.700</td>
<td>0.260</td>
<td>5.280</td>
<td>0.528</td>
<td>0.89</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>4.070</td>
<td>0.110</td>
<td>4.710</td>
<td>0.470</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>9.220</td>
<td>0.370</td>
<td>9.420</td>
<td>0.942</td>
<td>0.98</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cs137</td>
<td>253.000</td>
<td>6.000</td>
<td>266.000</td>
<td>3.560</td>
<td>0.95</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>332.000</td>
<td>6.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.87</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>6.900</td>
<td>0.310</td>
<td>9.600</td>
<td>1.700</td>
<td>0.72</td>
<td>0.13</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cs137</td>
<td>108.000</td>
<td>0.570</td>
<td>117.000</td>
<td>3.270</td>
<td>0.92</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>855.000</td>
<td>10.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.83</td>
<td>0.01</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>191.000</td>
<td>0.770</td>
<td>196.000</td>
<td>3.490</td>
<td>0.97</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cs134</td>
<td>87.400</td>
<td>0.392</td>
<td>83.500</td>
<td>1.800</td>
<td>1.05</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cs137</td>
<td>83.000</td>
<td>3.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.08</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>46.400</td>
<td>0.370</td>
<td>43.500</td>
<td>2.060</td>
<td>1.87</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
# Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.140</td>
<td>0.020</td>
<td>0.177</td>
<td>0.003</td>
<td>0.79</td>
<td>0.11</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C134</td>
<td>76.000</td>
<td>1.000</td>
<td>91.200</td>
<td>0.812</td>
<td>0.83</td>
<td>0.01</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>10.000</td>
<td>1.000</td>
<td>12.700</td>
<td>0.127</td>
<td>0.79</td>
<td>0.08</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>5.300</td>
<td>0.200</td>
<td>5.760</td>
<td>0.376</td>
<td>0.90</td>
<td>0.11</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>5.200</td>
<td>0.200</td>
<td>5.280</td>
<td>0.528</td>
<td>0.99</td>
<td>0.11</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>3.300</td>
<td>0.100</td>
<td>3.220</td>
<td>0.240</td>
<td>1.03</td>
<td>0.08</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>2.100</td>
<td>0.100</td>
<td>1.960</td>
<td>0.139</td>
<td>1.14</td>
<td>0.10</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>2.100</td>
<td>0.300</td>
<td>4.710</td>
<td>0.470</td>
<td>0.96</td>
<td>0.12</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>0.120</td>
<td>0.020</td>
<td>0.122</td>
<td>0.004</td>
<td>0.98</td>
<td>0.17</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>0.070</td>
<td>0.013</td>
<td>0.062</td>
<td>0.002</td>
<td>1.12</td>
<td>0.21</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>9.700</td>
<td>0.900</td>
<td>9.420</td>
<td>0.942</td>
<td>1.03</td>
<td>0.14</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>0.810</td>
<td>0.120</td>
<td>0.739</td>
<td>0.054</td>
<td>1.10</td>
<td>0.18</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>0.130</td>
<td>0.040</td>
<td>0.091</td>
<td>0.005</td>
<td>1.43</td>
<td>0.45</td>
<td>W</td>
<td>A</td>
</tr>
</tbody>
</table>

Matrix: SO

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.700</td>
<td>1.000</td>
<td>3.200</td>
<td>0.754</td>
<td>1.16</td>
<td>0.42</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C134</td>
<td>290.000</td>
<td>10.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.09</td>
<td>0.04</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>380.000</td>
<td>50.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.99</td>
<td>0.15</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>28.000</td>
<td>2.000</td>
<td>32.000</td>
<td>0.567</td>
<td>0.88</td>
<td>0.06</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.000</td>
<td>1.200</td>
<td>6.760</td>
<td>0.440</td>
<td>1.04</td>
<td>0.19</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>7.400</td>
<td>4.200</td>
<td>11.300</td>
<td>1.500</td>
<td>0.86</td>
<td>0.38</td>
<td>W</td>
<td>A</td>
</tr>
</tbody>
</table>

Matrix: VE

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.880</td>
<td>0.640</td>
<td>0.702</td>
<td>0.048</td>
<td>1.25</td>
<td>0.92</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C134</td>
<td>9.400</td>
<td>3.700</td>
<td>9.600</td>
<td>1.700</td>
<td>0.98</td>
<td>0.42</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>140.000</td>
<td>10.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.20</td>
<td>0.09</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1000.000</td>
<td>100.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>0.97</td>
<td>0.10</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.300</td>
<td>1.000</td>
<td>1.120</td>
<td>0.159</td>
<td>1.16</td>
<td>0.91</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>440.000</td>
<td>30.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.86</td>
<td>0.11</td>
<td>A</td>
<td>A</td>
</tr>
</tbody>
</table>

Matrix: WA

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.200</td>
<td>0.200</td>
<td>1.330</td>
<td>0.073</td>
<td>0.90</td>
<td>0.16</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C134</td>
<td>200.000</td>
<td>10.000</td>
<td>186.000</td>
<td>3.480</td>
<td>1.02</td>
<td>0.05</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>87.000</td>
<td>1.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>84.000</td>
<td>2.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.09</td>
<td>0.04</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>1500.000</td>
<td>100.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.12</td>
<td>0.08</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>1000.000</td>
<td>100.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.53</td>
<td>0.16</td>
<td>N</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>47.000</td>
<td>1.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.08</td>
<td>0.06</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>0.660</td>
<td>0.100</td>
<td>0.591</td>
<td>0.047</td>
<td>1.12</td>
<td>0.19</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>2.500</td>
<td>0.900</td>
<td>2.400</td>
<td>0.225</td>
<td>1.04</td>
<td>0.39</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C137</td>
<td>0.600</td>
<td>0.300</td>
<td>0.568</td>
<td>0.028</td>
<td>1.06</td>
<td>0.53</td>
<td>A</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.460</td>
<td>0.053</td>
<td>3.220</td>
<td>0.240</td>
<td>1.08</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.470</td>
<td>0.045</td>
<td>1.850</td>
<td>0.139</td>
<td>1.34</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.100</td>
<td>0.010</td>
<td>0.062</td>
<td>0.002</td>
<td>1.61</td>
<td>0.17</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.080</td>
<td>0.010</td>
<td>0.059</td>
<td>0.002</td>
<td>1.36</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.020</td>
<td>0.010</td>
<td>0.002</td>
<td>0.000</td>
<td>10.00</td>
<td>5.10</td>
<td>N</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>8.900</td>
<td>1.100</td>
<td>6.760</td>
<td>0.440</td>
<td>1.32</td>
<td>0.18</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>19.600</td>
<td>2.600</td>
<td>30.300</td>
<td>1.790</td>
<td>0.65</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>22.600</td>
<td>2.600</td>
<td>31.600</td>
<td>1.270</td>
<td>0.72</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.100</td>
<td>0.370</td>
<td>1.120</td>
<td>0.159</td>
<td>0.98</td>
<td>0.36</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1110,000</td>
<td>25,900</td>
<td>1340,000</td>
<td>40,000</td>
<td>0.83</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>GA</td>
<td>1470,000</td>
<td>18,000</td>
<td>1340,000</td>
<td>40,000</td>
<td>1.10</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>740,000</td>
<td>17,000</td>
<td>653,000</td>
<td>19,300</td>
<td>1.13</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>GB</td>
<td>643,000</td>
<td>10,000</td>
<td>653,000</td>
<td>19,300</td>
<td>0.99</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>70,300</td>
<td>9,600</td>
<td>60,300</td>
<td>2,310</td>
<td>1.17</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.740</td>
<td>0.090</td>
<td>0.591</td>
<td>0.047</td>
<td>1.25</td>
<td>0.18</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.330</td>
<td>0.050</td>
<td>0.373</td>
<td>0.013</td>
<td>0.89</td>
<td>0.14</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>**Matrix: **AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.110</td>
<td>0.050</td>
<td>0.062</td>
<td>0.002</td>
<td>1.77</td>
<td>0.80</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.090</td>
<td>0.040</td>
<td>0.059</td>
<td>0.002</td>
<td>1.53</td>
<td>0.68</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.028</td>
<td>0.020</td>
<td>0.002</td>
<td>0.000</td>
<td>14.00</td>
<td>0.10</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>**Matrix: **SO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.000</td>
<td>0.740</td>
<td>6.760</td>
<td>0.440</td>
<td>1.04</td>
<td>0.13</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>10.000</td>
<td>1.100</td>
<td>9.300</td>
<td>0.700</td>
<td>0.33</td>
<td>0.04</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>9.600</td>
<td>1.100</td>
<td>8.500</td>
<td>1.270</td>
<td>0.30</td>
<td>0.04</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>**Matrix: **VE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.100</td>
<td>0.100</td>
<td>1.120</td>
<td>0.159</td>
<td>0.98</td>
<td>0.17</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>**Matrix: **WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>57.800</td>
<td>8.600</td>
<td>60.300</td>
<td>2.310</td>
<td>0.96</td>
<td>0.15</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.730</td>
<td>0.120</td>
<td>0.591</td>
<td>0.047</td>
<td>1.24</td>
<td>0.23</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.400</td>
<td>0.070</td>
<td>0.373</td>
<td>0.013</td>
<td>1.07</td>
<td>0.19</td>
<td>A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL.
## Results by Laboratory

### Labcode: PC

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Matrix: AI

| 1 | AM241 | 0.270 | 0.110 | 0.177 | 0.003 | 1.53 | 0.62 | W |
| 1 | CE144 | 70.000 | 9.500 | 91.200 | 0.912 | 0.77 | 0.10 | W |
| 1 | CO 57 | 10.000 | 0.840 | 12.700 | 0.127 | 0.79 | 0.07 | A |
| 1 | CO 60 | 3.400 | 0.340 | 3.760 | 0.376 | 0.90 | 0.13 | A |
| 1 | CS134 | 5.400 | 0.420 | 5.750 | 0.575 | 0.94 | 0.12 | A |
| 1 | CS137 | 4.400 | 0.530 | 5.280 | 0.528 | 0.83 | 0.13 | W |
| 1 | MN 54 | 4.000 | 0.490 | 4.710 | 0.470 | 0.85 | 0.13 | A |
| 1 | PU238 | 0.150 | 0.022 | 0.122 | 0.004 | 1.07 | 0.18 | A |
| 1 | PU239 | 0.067 | 0.016 | 0.062 | 0.002 | 1.08 | 0.26 | A |
| 1 | SB 125 | 8.000 | 0.600 | 8.820 | 0.842 | 0.96 | 0.12 | A |
| 1 | SR 90 | 0.680 | 0.093 | 0.739 | 0.054 | 0.92 | 0.14 | A |
| 1 | U 234 | 0.064 | 0.012 | 0.059 | 0.002 | 1.09 | 0.21 | A |
| 1 | U 238 | 0.005 | 0.004 | 0.002 | 0.000 | 2.40 | 1.82 | N |

#### Matrix: SO

| 1 | AM241 | 7.500 | 3.500 | 3.200 | 0.754 | 2.34 | 1.23 | N |
| 1 | CS137 | 306.000 | 46.000 | 266.000 | 3.560 | 1.15 | 0.17 | A |
| 1 | K 40 | 377.000 | 72.000 | 384.000 | 27.800 | 0.98 | 0.20 | A |
| 1 | PU238 | 37.000 | 5.200 | 32.000 | 0.567 | 1.16 | 0.16 | W |
| 1 | PU239 | 6.200 | 2.200 | 6.760 | 0.440 | 0.92 | 0.33 | A |
| 1 | U 234 | 26.000 | 7.600 | 30.300 | 1.790 | 0.86 | 0.26 | A |
| 1 | U 238 | 26.000 | 5.600 | 31.600 | 1.270 | 0.79 | 0.18 | A |

#### Matrix: VE

| 1 | CO 60 | 8.500 | 2.600 | 9.600 | 1.700 | 0.89 | 0.31 | A |
| 1 | CS137 | 140.000 | 23.000 | 117.000 | 3.270 | 1.20 | 0.20 | A |
| 1 | K 40 | 111.000 | 180.000 | 103.000 | 8.160 | 1.08 | 0.18 | A |
| 1 | PU239 | 1.300 | 0.550 | 1.120 | 0.159 | 1.16 | 0.52 | A |
| 1 | SR 90 | 371.000 | 8.500 | 512.000 | 52.500 | 0.73 | 0.08 | A |
| 2 | SR 90 | 370.000 | 8.500 | 512.000 | 52.500 | 0.72 | 0.08 | A |

#### Matrix: WA

| 1 | AM241 | 1.500 | 0.160 | 1.330 | 0.073 | 1.13 | 0.14 | A |
| 1 | CO 60 | 197.000 | 13.000 | 196.000 | 3.490 | 1.01 | 0.07 | A |
| 1 | CS134 | 88.000 | 5.400 | 83.500 | 1.600 | 1.05 | 0.07 | A |
| 1 | CS137 | 87.000 | 8.600 | 76.800 | 2.280 | 1.13 | 0.12 | A |
| 1 | H 3 | 58.000 | 13.000 | 60.300 | 2.310 | 0.96 | 0.22 | A |
| 1 | MN 54 | 48.000 | 5.000 | 42.500 | 2.060 | 1.10 | 0.13 | A |
| 1 | PU239 | 0.670 | 0.075 | 0.591 | 0.047 | 1.13 | 0.16 | A |
| 1 | SR 90 | 2.500 | 0.370 | 2.400 | 0.225 | 1.04 | 0.18 | A |
| 1 | U 234 | 0.360 | 0.067 | 0.373 | 0.013 | 0.97 | 0.18 | A |

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

**Labcode: PI**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>PU238</td>
<td>0.122</td>
<td>0.015</td>
<td>0.122</td>
<td>0.004</td>
<td>1.80</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>PU239</td>
<td>0.062</td>
<td>0.007</td>
<td>0.062</td>
<td>0.002</td>
<td>0.99</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>34.100</td>
<td>3.400</td>
<td>32.000</td>
<td>0.567</td>
<td>1.07</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>P9239</td>
<td>7.210</td>
<td>1.100</td>
<td>6.760</td>
<td>0.440</td>
<td>1.07</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>H3</td>
<td>52.600</td>
<td>7.600</td>
<td>60.300</td>
<td>2.310</td>
<td>0.87</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>PU239</td>
<td>0.678</td>
<td>0.085</td>
<td>0.591</td>
<td>0.047</td>
<td>1.15</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>0.589</td>
<td>0.060</td>
<td>0.568</td>
<td>0.028</td>
<td>1.04</td>
<td>0.12</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>H3</td>
<td>55.100</td>
<td>0.000</td>
<td>60.300</td>
<td>2.310</td>
<td>0.91</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>H3</td>
<td>55.100</td>
<td>2.810</td>
<td>60.300</td>
<td>2.310</td>
<td>0.91</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>H3</td>
<td>56.400</td>
<td>0.000</td>
<td>60.300</td>
<td>2.310</td>
<td>0.94</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>H3</td>
<td>56.400</td>
<td>2.810</td>
<td>60.300</td>
<td>2.310</td>
<td>0.94</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>H3</td>
<td>55.700</td>
<td>0.000</td>
<td>60.300</td>
<td>2.310</td>
<td>0.92</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>H3</td>
<td>55.700</td>
<td>2.810</td>
<td>60.300</td>
<td>2.310</td>
<td>0.92</td>
<td>0.06</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
<table>
<thead>
<tr>
<th>Labcode: RE</th>
</tr>
</thead>
</table>

### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.117</td>
<td>0.018</td>
<td>0.177</td>
<td>0.003</td>
<td>0.66</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>67.000</td>
<td>7.170</td>
<td>91.200</td>
<td>0.912</td>
<td>0.74</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>9.360</td>
<td>1.050</td>
<td>12.700</td>
<td>0.127</td>
<td>0.74</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>3.420</td>
<td>0.516</td>
<td>3.760</td>
<td>0.376</td>
<td>0.81</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>6.020</td>
<td>0.753</td>
<td>5.750</td>
<td>0.576</td>
<td>1.05</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.930</td>
<td>0.672</td>
<td>5.280</td>
<td>0.528</td>
<td>0.94</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.920</td>
<td>0.583</td>
<td>4.710</td>
<td>0.470</td>
<td>0.85</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.073</td>
<td>0.014</td>
<td>0.122</td>
<td>0.004</td>
<td>0.60</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.070</td>
<td>0.013</td>
<td>0.062</td>
<td>0.002</td>
<td>1.12</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>9.400</td>
<td>1.410</td>
<td>9.420</td>
<td>0.942</td>
<td>1.00</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.868</td>
<td>0.087</td>
<td>0.739</td>
<td>0.054</td>
<td>1.17</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.051</td>
<td>0.009</td>
<td>0.059</td>
<td>0.002</td>
<td>0.87</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.007</td>
<td>0.002</td>
<td>0.002</td>
<td>0.000</td>
<td>3.38</td>
<td>1.27</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.130</td>
<td>0.488</td>
<td>2.000</td>
<td>0.567</td>
<td>0.58</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>234.000</td>
<td>20.600</td>
<td>266.000</td>
<td>3.560</td>
<td>0.88</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>332.000</td>
<td>44.200</td>
<td>384.000</td>
<td>27.800</td>
<td>0.87</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>18.700</td>
<td>5.820</td>
<td>32.000</td>
<td>5.676</td>
<td>1.50</td>
<td>0.36</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>6.810</td>
<td>0.842</td>
<td>6.760</td>
<td>0.440</td>
<td>1.01</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>13.400</td>
<td>2.270</td>
<td>11.300</td>
<td>1.560</td>
<td>1.19</td>
<td>0.38</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>18.000</td>
<td>2.120</td>
<td>17.900</td>
<td>0.59</td>
<td>0.88</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>24.300</td>
<td>2.700</td>
<td>31.600</td>
<td>1.270</td>
<td>0.77</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.676</td>
<td>0.107</td>
<td>0.702</td>
<td>0.048</td>
<td>0.96</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>12.600</td>
<td>3.810</td>
<td>9.600</td>
<td>1.700</td>
<td>1.31</td>
<td>0.46</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>146.000</td>
<td>11.100</td>
<td>117.000</td>
<td>3.270</td>
<td>1.25</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1220.000</td>
<td>188.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.18</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.059</td>
<td>0.074</td>
<td>0.089</td>
<td>0.019</td>
<td>0.66</td>
<td>0.35</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.150</td>
<td>0.293</td>
<td>1.120</td>
<td>0.159</td>
<td>1.03</td>
<td>0.30</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>484.000</td>
<td>55.600</td>
<td>512.000</td>
<td>52.500</td>
<td>0.95</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.310</td>
<td>0.240</td>
<td>1.330</td>
<td>0.073</td>
<td>0.99</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>216.000</td>
<td>11.300</td>
<td>196.000</td>
<td>3.490</td>
<td>1.10</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>85.500</td>
<td>5.060</td>
<td>83.500</td>
<td>1.800</td>
<td>1.03</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>38.600</td>
<td>5.200</td>
<td>76.800</td>
<td>2.280</td>
<td>1.13</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>61.000</td>
<td>8.240</td>
<td>60.300</td>
<td>2.310</td>
<td>1.01</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>49.000</td>
<td>3.590</td>
<td>43.500</td>
<td>2.060</td>
<td>1.13</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.816</td>
<td>0.088</td>
<td>0.591</td>
<td>0.047</td>
<td>1.04</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.370</td>
<td>0.196</td>
<td>2.400</td>
<td>0.225</td>
<td>0.99</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.356</td>
<td>0.026</td>
<td>0.373</td>
<td>0.013</td>
<td>0.95</td>
<td>0.08</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL.
Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.174</td>
<td>0.177</td>
<td>0.003</td>
<td>0.98</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1.980</td>
<td>3.220</td>
<td>0.240</td>
<td>0.62</td>
<td>0.19</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.040</td>
<td>1.850</td>
<td>0.139</td>
<td>0.56</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.119</td>
<td>0.122</td>
<td>0.004</td>
<td>0.98</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.060</td>
<td>0.062</td>
<td>0.002</td>
<td>0.97</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.071</td>
<td>0.059</td>
<td>0.002</td>
<td>1.20</td>
<td>0.24</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.004</td>
<td>0.002</td>
<td>0.000</td>
<td>1.85</td>
<td>0.82</td>
<td>W</td>
</tr>
</tbody>
</table>

Matrix: SO

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.020</td>
<td>3.200</td>
<td>0.754</td>
<td>0.94</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>32.700</td>
<td>32.000</td>
<td>0.567</td>
<td>1.02</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>6.670</td>
<td>6.760</td>
<td>0.440</td>
<td>1.02</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>25.800</td>
<td>30.300</td>
<td>1.790</td>
<td>0.85</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>26.100</td>
<td>31.600</td>
<td>1.270</td>
<td>0.83</td>
<td>0.10</td>
<td>A</td>
</tr>
</tbody>
</table>

Matrix: VE

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.693</td>
<td>0.702</td>
<td>0.048</td>
<td>0.99</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.094</td>
<td>0.089</td>
<td>0.019</td>
<td>1.06</td>
<td>0.51</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.080</td>
<td>1.120</td>
<td>0.159</td>
<td>0.97</td>
<td>0.20</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

**Labcode: RG**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML Value</th>
<th>Ratio EML Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.530</td>
<td>0.490</td>
<td>3.200</td>
<td>0.754</td>
<td>1.10</td>
<td>0.30</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>33.300</td>
<td>1.590</td>
<td>32.000</td>
<td>0.567</td>
<td>1.04</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.470</td>
<td>0.630</td>
<td>6.760</td>
<td>0.440</td>
<td>1.11</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>29.800</td>
<td>1.450</td>
<td>30.300</td>
<td>1.790</td>
<td>0.98</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>29.400</td>
<td>1.430</td>
<td>31.600</td>
<td>1.270</td>
<td>0.93</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 80</td>
<td>60.300</td>
<td>3.120</td>
<td>63.400</td>
<td>3.200</td>
<td>0.85</td>
<td>0.07</td>
<td>A</td>
</tr>
</tbody>
</table>

**Units for matrices:** A = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
# Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.186</td>
<td>0.026</td>
<td>0.177</td>
<td>0.003</td>
<td>1.05</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>8.340</td>
<td>0.360</td>
<td>12.700</td>
<td>0.127</td>
<td>0.63</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CN 54</td>
<td>3.300</td>
<td>0.320</td>
<td>3.760</td>
<td>0.376</td>
<td>0.88</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.190</td>
<td>0.280</td>
<td>5.750</td>
<td>0.575</td>
<td>0.90</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>3.740</td>
<td>0.540</td>
<td>5.280</td>
<td>0.528</td>
<td>0.71</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MS 125</td>
<td>4.070</td>
<td>0.440</td>
<td>4.710</td>
<td>0.470</td>
<td>0.86</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.829</td>
<td>0.208</td>
<td>0.739</td>
<td>0.054</td>
<td>1.12</td>
<td>0.29</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: AI**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CS137</td>
<td>302.000</td>
<td>9.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.14</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>421.000</td>
<td>93.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.10</td>
<td>0.26</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>32.200</td>
<td>1.500</td>
<td>32.000</td>
<td>0.567</td>
<td>1.01</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.590</td>
<td>0.460</td>
<td>6.760</td>
<td>0.440</td>
<td>1.12</td>
<td>0.10</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: SO**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CS137</td>
<td>134.000</td>
<td>12.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.15</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1250.000</td>
<td>184.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.21</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>2.170</td>
<td>0.200</td>
<td>1.120</td>
<td>0.159</td>
<td>1.94</td>
<td>0.33</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>188.000</td>
<td>57.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.37</td>
<td>0.12</td>
<td>N</td>
</tr>
</tbody>
</table>

**Matrix: VE**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.400</td>
<td>0.180</td>
<td>1.300</td>
<td>0.073</td>
<td>1.05</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>217.000</td>
<td>3.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.11</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>91.100</td>
<td>2.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.09</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>85.100</td>
<td>2.700</td>
<td>76.800</td>
<td>2.280</td>
<td>1.11</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>74.700</td>
<td>2.100</td>
<td>60.300</td>
<td>2.310</td>
<td>1.24</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MS 125</td>
<td>50.700</td>
<td>2.300</td>
<td>43.500</td>
<td>2.060</td>
<td>1.17</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.633</td>
<td>0.033</td>
<td>0.591</td>
<td>0.047</td>
<td>1.07</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.320</td>
<td>0.530</td>
<td>2.400</td>
<td>0.225</td>
<td>0.97</td>
<td>0.24</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/Ltr, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matrix: AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>99.400</td>
<td>9.000</td>
<td>91.200</td>
<td>0.912</td>
<td>1.09</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co60</td>
<td>14.400</td>
<td>0.140</td>
<td>12.700</td>
<td>0.127</td>
<td>1.13</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>6.300</td>
<td>0.600</td>
<td>5.750</td>
<td>0.576</td>
<td>1.10</td>
<td>0.15</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>6.000</td>
<td>0.600</td>
<td>5.280</td>
<td>0.528</td>
<td>1.14</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>5.300</td>
<td>0.500</td>
<td>4.710</td>
<td>0.470</td>
<td>1.13</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>11.400</td>
<td>1.100</td>
<td>9.420</td>
<td>0.942</td>
<td>1.21</td>
<td>0.17</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>Matrix: WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co60</td>
<td>205.000</td>
<td>20.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.05</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>82.000</td>
<td>8.000</td>
<td>83.500</td>
<td>1.800</td>
<td>0.98</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>81.000</td>
<td>8.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.05</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>45.000</td>
<td>4.500</td>
<td>43.500</td>
<td>2.060</td>
<td>1.03</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/Liter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.700</td>
<td>0.000</td>
<td>3.220</td>
<td>0.240</td>
<td>1.15</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>GA</td>
<td>3.700</td>
<td>0.030</td>
<td>3.220</td>
<td>0.240</td>
<td>1.15</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.730</td>
<td>0.000</td>
<td>1.850</td>
<td>0.139</td>
<td>0.94</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>GB</td>
<td>1.730</td>
<td>0.030</td>
<td>1.850</td>
<td>0.139</td>
<td>0.94</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>221.000</td>
<td>2.000</td>
<td>266.000</td>
<td>3.560</td>
<td>0.83</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>307.000</td>
<td>9.000</td>
<td>364.000</td>
<td>27.800</td>
<td>1.03</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>22.000</td>
<td>0.200</td>
<td>32.000</td>
<td>0.567</td>
<td>0.69</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>5.000</td>
<td>0.100</td>
<td>6.760</td>
<td>0.440</td>
<td>0.74</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>30.500</td>
<td>0.050</td>
<td>30.300</td>
<td>1.790</td>
<td>0.68</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.200</td>
<td>0.030</td>
<td>1.330</td>
<td>0.073</td>
<td>0.90</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>206.000</td>
<td>1.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.05</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>88.000</td>
<td>1.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.05</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>81.000</td>
<td>1.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.05</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1810.000</td>
<td>36.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.35</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>738.000</td>
<td>15.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.13</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>43.000</td>
<td>0.800</td>
<td>40.300</td>
<td>2.310</td>
<td>0.71</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>41.000</td>
<td>1.000</td>
<td>43.500</td>
<td>2.060</td>
<td>0.94</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.575</td>
<td>0.020</td>
<td>0.591</td>
<td>0.047</td>
<td>0.97</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.310</td>
<td>0.010</td>
<td>0.373</td>
<td>0.013</td>
<td>0.83</td>
<td>0.04</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

**Labcode: SK**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CE144</td>
<td>78.100</td>
<td>7.200</td>
<td>91.200</td>
<td>0.912</td>
<td>0.86</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>10.900</td>
<td>1.200</td>
<td>12.700</td>
<td>0.127</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>6.100</td>
<td>0.800</td>
<td>5.750</td>
<td>0.575</td>
<td>1.06</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.400</td>
<td>0.200</td>
<td>5.280</td>
<td>0.626</td>
<td>0.83</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.700</td>
<td>0.200</td>
<td>4.710</td>
<td>0.470</td>
<td>0.79</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.500</td>
<td>0.600</td>
<td>9.420</td>
<td>0.942</td>
<td>0.90</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>322.000</td>
<td>8.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.21</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>423.000</td>
<td>30.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.10</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>9.400</td>
<td>2.200</td>
<td>9.600</td>
<td>1.700</td>
<td>0.88</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>142.000</td>
<td>16.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.21</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1200.000</td>
<td>138.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.17</td>
<td>0.13</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: AI**

**Matrix: SO**

**Matrix: VE**

**Matrix: WA**

---

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Labcode: SR</th>
<th>Radio-NUCLIDE</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>C0174</td>
<td>50.800</td>
<td>2.500</td>
<td>91.200</td>
<td>0.912</td>
<td>0.56</td>
<td>0.03</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>C0157</td>
<td>7.200</td>
<td>0.500</td>
<td>12.700</td>
<td>0.127</td>
<td>0.57</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>C0160</td>
<td>2.600</td>
<td>0.200</td>
<td>3.760</td>
<td>0.376</td>
<td>0.69</td>
<td>0.09</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>C0134</td>
<td>4.200</td>
<td>0.600</td>
<td>5.750</td>
<td>0.575</td>
<td>0.73</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>C0137</td>
<td>3.500</td>
<td>0.600</td>
<td>5.280</td>
<td>0.528</td>
<td>0.66</td>
<td>0.13</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.640</td>
<td>0.200</td>
<td>3.220</td>
<td>0.240</td>
<td>1.13</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.990</td>
<td>0.070</td>
<td>1.850</td>
<td>0.139</td>
<td>1.08</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN154</td>
<td>3.100</td>
<td>0.500</td>
<td>4.710</td>
<td>0.470</td>
<td>0.66</td>
<td>0.13</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.063</td>
<td>0.003</td>
<td>0.122</td>
<td>0.004</td>
<td>0.52</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.033</td>
<td>0.002</td>
<td>0.062</td>
<td>0.002</td>
<td>0.53</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>6.800</td>
<td>1.000</td>
<td>9.420</td>
<td>0.942</td>
<td>0.73</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>C0137</td>
<td>298.000</td>
<td>10.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.12</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>393.000</td>
<td>41.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.02</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>C0160</td>
<td>11.200</td>
<td>5.800</td>
<td>9.600</td>
<td>1.700</td>
<td>1.17</td>
<td>0.65</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C0137</td>
<td>134.000</td>
<td>9.800</td>
<td>117.000</td>
<td>3.270</td>
<td>1.15</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>1160.000</td>
<td>236.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.13</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.130</td>
<td>0.040</td>
<td>0.089</td>
<td>0.019</td>
<td>1.47</td>
<td>0.55</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.190</td>
<td>0.150</td>
<td>1.120</td>
<td>0.159</td>
<td>1.06</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>274.000</td>
<td>28.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.54</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.340</td>
<td>0.190</td>
<td>1.330</td>
<td>0.073</td>
<td>1.01</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C0160</td>
<td>216.000</td>
<td>4.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.10</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C0134</td>
<td>88.000</td>
<td>3.000</td>
<td>83.500</td>
<td>1.800</td>
<td>1.05</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>C0137</td>
<td>89.000</td>
<td>3.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.16</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1240.000</td>
<td>47.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.93</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>666.000</td>
<td>26.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.02</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H3</td>
<td>71.000</td>
<td>5.000</td>
<td>60.300</td>
<td>2.310</td>
<td>1.18</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN154</td>
<td>50.000</td>
<td>1.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.15</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.588</td>
<td>0.021</td>
<td>0.591</td>
<td>0.047</td>
<td>1.00</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>2.200</td>
<td>0.500</td>
<td>2.400</td>
<td>0.225</td>
<td>0.92</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U234</td>
<td>0.356</td>
<td>0.056</td>
<td>0.373</td>
<td>0.013</td>
<td>0.95</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U235</td>
<td>0.252</td>
<td>0.052</td>
<td>0.196</td>
<td>0.006</td>
<td>1.29</td>
<td>0.27</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>72,000</td>
<td>7,000</td>
<td>91,200</td>
<td>0.912</td>
<td>0.79</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>10,300</td>
<td>1,000</td>
<td>12,700</td>
<td>0.127</td>
<td>0.81</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3,600</td>
<td>0.400</td>
<td>3,760</td>
<td>0.376</td>
<td>0.96</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5,100</td>
<td>0.500</td>
<td>5,750</td>
<td>0.575</td>
<td>0.89</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5,300</td>
<td>0.500</td>
<td>5,280</td>
<td>0.528</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4,700</td>
<td>0.500</td>
<td>4,710</td>
<td>0.470</td>
<td>1.00</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>9,300</td>
<td>0.900</td>
<td>9,420</td>
<td>0.942</td>
<td>0.99</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>328,000</td>
<td>16,000</td>
<td>266,000</td>
<td>3.560</td>
<td>1.23</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>478,000</td>
<td>28,000</td>
<td>384,000</td>
<td>27,800</td>
<td>1.25</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>9,400</td>
<td>0.600</td>
<td>9,600</td>
<td>1.700</td>
<td>0.98</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>158,000</td>
<td>6,000</td>
<td>117,000</td>
<td>3.270</td>
<td>1.35</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1340,000</td>
<td>67,000</td>
<td>1030,000</td>
<td>8.160</td>
<td>1.30</td>
<td>0.07</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

**Labcode: SV**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GA</td>
<td>105.000</td>
<td>12.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.08</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>652.000</td>
<td>16.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
</tbody>
</table>

**Units for matrices:** AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. **Evaluation:** A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Unit for matrices:**

- AI = Bq/filter
- SO = Bq/kg
- VE = Bq/kg
- WA = Bq/L

Values for elemental uranium are reported in pg/Liter, g, or mL.

**Evaluation:**

- A = Acceptable
- W = Acceptable with Warning
- N = Not Acceptable

---

157
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.180</td>
<td>0.030</td>
<td>0.177</td>
<td>0.003</td>
<td>1.02</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>7.900</td>
<td>0.800</td>
<td>12.700</td>
<td>0.127</td>
<td>0.58</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.200</td>
<td>0.300</td>
<td>3.760</td>
<td>0.376</td>
<td>0.85</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.700</td>
<td>0.500</td>
<td>5.750</td>
<td>0.575</td>
<td>0.82</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.900</td>
<td>0.500</td>
<td>5.280</td>
<td>0.528</td>
<td>0.93</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.500</td>
<td>0.100</td>
<td>3.220</td>
<td>0.240</td>
<td>1.09</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.900</td>
<td>0.100</td>
<td>1.850</td>
<td>0.139</td>
<td>1.03</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.400</td>
<td>0.300</td>
<td>4.710</td>
<td>0.470</td>
<td>0.72</td>
<td>0.10</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.120</td>
<td>0.030</td>
<td>0.122</td>
<td>0.004</td>
<td>0.98</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>7.700</td>
<td>1.000</td>
<td>9.420</td>
<td>0.342</td>
<td>0.82</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.770</td>
<td>0.150</td>
<td>0.739</td>
<td>0.054</td>
<td>1.04</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>0.510</td>
<td>0.080</td>
<td>0.091</td>
<td>0.005</td>
<td>5.60</td>
<td>0.93</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.700</td>
<td>1.200</td>
<td>3.200</td>
<td>0.754</td>
<td>1.16</td>
<td>0.46</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>319.000</td>
<td>32.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.20</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>444.000</td>
<td>44.000</td>
<td>364.000</td>
<td>27.800</td>
<td>1.16</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>47.000</td>
<td>5.000</td>
<td>32.000</td>
<td>0.567</td>
<td>1.47</td>
<td>0.16</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>11.000</td>
<td>2.000</td>
<td>6.760</td>
<td>0.440</td>
<td>1.63</td>
<td>0.31</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>9.600</td>
<td>1.200</td>
<td>11.300</td>
<td>1.500</td>
<td>0.85</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U BQ</td>
<td>44.000</td>
<td>7.000</td>
<td>63.400</td>
<td>3.200</td>
<td>0.69</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.810</td>
<td>0.400</td>
<td>0.702</td>
<td>0.048</td>
<td>1.15</td>
<td>0.58</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>10.200</td>
<td>1.000</td>
<td>9.600</td>
<td>1.700</td>
<td>1.06</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>144.000</td>
<td>14.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.23</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>124.000</td>
<td>120.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.20</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.000</td>
<td>0.300</td>
<td>0.089</td>
<td>0.019</td>
<td>0.00</td>
<td>0.16</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.870</td>
<td>0.500</td>
<td>1.120</td>
<td>0.159</td>
<td>0.78</td>
<td>0.46</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>430.000</td>
<td>10.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.84</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.400</td>
<td>0.200</td>
<td>1.330</td>
<td>0.073</td>
<td>1.05</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>228.000</td>
<td>22.800</td>
<td>196.000</td>
<td>3.490</td>
<td>1.16</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>94.000</td>
<td>9.400</td>
<td>83.500</td>
<td>1.800</td>
<td>1.13</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>95.600</td>
<td>9.600</td>
<td>76.800</td>
<td>2.280</td>
<td>1.25</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>FE 55</td>
<td>148.000</td>
<td>22.200</td>
<td>118.000</td>
<td>5.820</td>
<td>1.24</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1480.000</td>
<td>740.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.10</td>
<td>0.55</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>560.000</td>
<td>40.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.47</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>62.900</td>
<td>0.600</td>
<td>60.300</td>
<td>2.310</td>
<td>1.04</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>51.400</td>
<td>5.100</td>
<td>43.500</td>
<td>2.060</td>
<td>1.18</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.700</td>
<td>0.200</td>
<td>0.591</td>
<td>0.047</td>
<td>1.18</td>
<td>0.35</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-NUclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>Error</th>
<th>Ratio EML</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.300</td>
<td>0.200</td>
<td>2.400</td>
<td>0.225</td>
<td>0.96</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.480</td>
<td>0.110</td>
<td>0.373</td>
<td>0.013</td>
<td>1.29</td>
<td>0.30</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.160</td>
<td>0.060</td>
<td>0.196</td>
<td>0.006</td>
<td>0.82</td>
<td>0.31</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: \( \text{AI}=\text{Bq/filter} \), \( \text{SO}=\text{Bq/kg} \), \( \text{VE}=\text{Bq/kg} \), \( \text{WA}=\text{Bq/L} \). Values for elemental uranium are reported in \( \mu g/\text{filter} \), g, or mL.

### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.183</td>
<td>0.010</td>
<td>0.177</td>
<td>0.003</td>
<td>1.03</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CU144</td>
<td>67.400</td>
<td>2.220</td>
<td>91.200</td>
<td>0.912</td>
<td>0.74</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>10.400</td>
<td>0.354</td>
<td>12.700</td>
<td>0.127</td>
<td>0.82</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.220</td>
<td>0.251</td>
<td>3.760</td>
<td>0.376</td>
<td>0.86</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.280</td>
<td>0.256</td>
<td>5.750</td>
<td>0.575</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.280</td>
<td>0.272</td>
<td>5.280</td>
<td>0.528</td>
<td>0.83</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>4.400</td>
<td>0.280</td>
<td>4.710</td>
<td>0.470</td>
<td>0.93</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu238</td>
<td>0.117</td>
<td>0.007</td>
<td>0.122</td>
<td>0.004</td>
<td>0.96</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.059</td>
<td>0.004</td>
<td>0.062</td>
<td>0.002</td>
<td>0.95</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 125</td>
<td>9.250</td>
<td>0.609</td>
<td>9.420</td>
<td>0.942</td>
<td>0.98</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>0.875</td>
<td>0.109</td>
<td>0.739</td>
<td>0.054</td>
<td>1.18</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.065</td>
<td>0.005</td>
<td>0.059</td>
<td>0.002</td>
<td>1.10</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.005</td>
<td>0.001</td>
<td>0.002</td>
<td>0.000</td>
<td>2.41</td>
<td>0.61</td>
<td>N</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.420</td>
<td>0.250</td>
<td>3.200</td>
<td>0.754</td>
<td>0.76</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>210.000</td>
<td>6.870</td>
<td>266.000</td>
<td>3.560</td>
<td>0.79</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>289.000</td>
<td>27.100</td>
<td>384.000</td>
<td>27.800</td>
<td>0.75</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Pu238</td>
<td>32.700</td>
<td>1.810</td>
<td>32.000</td>
<td>0.567</td>
<td>1.02</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>7.340</td>
<td>0.574</td>
<td>6.760</td>
<td>0.440</td>
<td>1.09</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>13.500</td>
<td>2.800</td>
<td>11.300</td>
<td>1.500</td>
<td>1.20</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>27.500</td>
<td>1.890</td>
<td>30.300</td>
<td>1.790</td>
<td>0.91</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>28.400</td>
<td>1.930</td>
<td>31.600</td>
<td>1.270</td>
<td>0.90</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.740</td>
<td>0.102</td>
<td>0.702</td>
<td>0.048</td>
<td>1.05</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>10.900</td>
<td>2.020</td>
<td>9.600</td>
<td>1.700</td>
<td>1.14</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>154.000</td>
<td>5.570</td>
<td>117.000</td>
<td>3.270</td>
<td>1.32</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1210.000</td>
<td>56.700</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.17</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu238</td>
<td>0.296</td>
<td>0.093</td>
<td>0.089</td>
<td>0.019</td>
<td>3.34</td>
<td>1.27</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>1.090</td>
<td>0.139</td>
<td>1.120</td>
<td>0.159</td>
<td>0.97</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>610.000</td>
<td>37.400</td>
<td>512.000</td>
<td>52.500</td>
<td>1.19</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.380</td>
<td>0.066</td>
<td>1.330</td>
<td>0.073</td>
<td>1.04</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>214.000</td>
<td>6.510</td>
<td>198.000</td>
<td>3.490</td>
<td>1.09</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>92.500</td>
<td>2.810</td>
<td>83.500</td>
<td>1.800</td>
<td>1.11</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>80.100</td>
<td>2.680</td>
<td>76.800</td>
<td>2.280</td>
<td>1.17</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>54.700</td>
<td>5.740</td>
<td>60.300</td>
<td>2.310</td>
<td>0.91</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>49.200</td>
<td>1.880</td>
<td>43.500</td>
<td>2.060</td>
<td>1.13</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.695</td>
<td>0.043</td>
<td>0.591</td>
<td>0.047</td>
<td>1.18</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>2.120</td>
<td>0.176</td>
<td>2.400</td>
<td>0.225</td>
<td>0.88</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.402</td>
<td>0.040</td>
<td>0.373</td>
<td>0.013</td>
<td>1.08</td>
<td>0.11</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.172</td>
<td>0.019</td>
<td>0.177</td>
<td>0.003</td>
<td>0.97</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>60.400</td>
<td>0.115</td>
<td>91.200</td>
<td>0.912</td>
<td>0.66</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>9.440</td>
<td>0.139</td>
<td>12.700</td>
<td>0.127</td>
<td>0.74</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS60</td>
<td>3.330</td>
<td>0.166</td>
<td>3.760</td>
<td>0.376</td>
<td>0.09</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>6.760</td>
<td>0.334</td>
<td>5.750</td>
<td>0.575</td>
<td>1.18</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.490</td>
<td>0.181</td>
<td>5.200</td>
<td>0.520</td>
<td>0.95</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>4.110</td>
<td>0.070</td>
<td>3.220</td>
<td>0.240</td>
<td>1.28</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.800</td>
<td>0.056</td>
<td>1.850</td>
<td>0.139</td>
<td>0.97</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>4.280</td>
<td>0.184</td>
<td>4.710</td>
<td>0.470</td>
<td>0.91</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.131</td>
<td>0.008</td>
<td>0.122</td>
<td>0.004</td>
<td>1.07</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.058</td>
<td>0.005</td>
<td>0.062</td>
<td>0.002</td>
<td>0.92</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>9.190</td>
<td>0.522</td>
<td>9.420</td>
<td>0.942</td>
<td>0.98</td>
<td>0.11</td>
<td>A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.720</td>
<td>0.983</td>
<td>3.200</td>
<td>0.754</td>
<td>0.85</td>
<td>0.37</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>251.000</td>
<td>7.000</td>
<td>266.000</td>
<td>3.560</td>
<td>0.94</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>384.000</td>
<td>39.600</td>
<td>384.000</td>
<td>27.800</td>
<td>1.00</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>34.300</td>
<td>2.210</td>
<td>32.000</td>
<td>0.567</td>
<td>1.07</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.440</td>
<td>0.949</td>
<td>6.760</td>
<td>0.440</td>
<td>1.10</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>11.600</td>
<td>1.200</td>
<td>11.300</td>
<td>1.500</td>
<td>1.04</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U234</td>
<td>28.000</td>
<td>1.520</td>
<td>30.300</td>
<td>1.790</td>
<td>0.96</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U238</td>
<td>28.300</td>
<td>1.530</td>
<td>31.600</td>
<td>1.270</td>
<td>0.93</td>
<td>0.06</td>
<td>A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>CO60</td>
<td>9.230</td>
<td>2.580</td>
<td>9.600</td>
<td>1.700</td>
<td>0.96</td>
<td>0.32</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>131.000</td>
<td>3.100</td>
<td>117.000</td>
<td>3.270</td>
<td>1.12</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>1150.000</td>
<td>38.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.12</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.254</td>
<td>0.098</td>
<td>0.089</td>
<td>0.019</td>
<td>2.86</td>
<td>1.27</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.100</td>
<td>0.217</td>
<td>1.120</td>
<td>0.159</td>
<td>0.98</td>
<td>0.24</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>531.000</td>
<td>53.000</td>
<td>512.000</td>
<td>52.500</td>
<td>1.04</td>
<td>0.15</td>
<td>A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.360</td>
<td>0.207</td>
<td>1.330</td>
<td>0.073</td>
<td>1.02</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>196.000</td>
<td>7.200</td>
<td>198.000</td>
<td>3.480</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>104.000</td>
<td>7.300</td>
<td>63.500</td>
<td>1.800</td>
<td>1.25</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>80.400</td>
<td>6.010</td>
<td>76.800</td>
<td>2.280</td>
<td>1.05</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>FE55</td>
<td>117.000</td>
<td>10.400</td>
<td>119.000</td>
<td>5.820</td>
<td>0.98</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1480.000</td>
<td>41.200</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.10</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>671.000</td>
<td>13.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.03</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H3</td>
<td>51.600</td>
<td>5.650</td>
<td>60.300</td>
<td>2.310</td>
<td>0.86</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>42.600</td>
<td>6.010</td>
<td>43.500</td>
<td>2.060</td>
<td>0.98</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.684</td>
<td>0.078</td>
<td>0.591</td>
<td>0.047</td>
<td>1.16</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>2.410</td>
<td>0.240</td>
<td>2.400</td>
<td>0.225</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U234</td>
<td>0.385</td>
<td>0.050</td>
<td>0.373</td>
<td>0.013</td>
<td>1.03</td>
<td>0.14</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Labcode: TO</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Test No.</strong></td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
</tbody>
</table>

**Units for matrices:**
- AI = Bq/filter
- SO = Bq/kg
- VE = Bq/kg
- WA = Bq/L

**Values for elemental uranium are reported in µg/filter, g, or mL.**

**Evaluation:**
- A = Acceptable
- W = Acceptable with Warning
- N = Not Acceptable
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GB</td>
<td>2.000</td>
<td>0.200</td>
<td>1.850</td>
<td>0.139</td>
<td>1.88</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.720</td>
<td>0.100</td>
<td>0.739</td>
<td>0.054</td>
<td>0.87</td>
<td>0.15</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: AI**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GA</td>
<td>3.800</td>
<td>1.200</td>
<td>3.220</td>
<td>0.240</td>
<td>1.18</td>
<td>0.38</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: SO**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SR 90</td>
<td>10.000</td>
<td>1.400</td>
<td>11.300</td>
<td>1.500</td>
<td>0.89</td>
<td>0.17</td>
<td>A</td>
</tr>
</tbody>
</table>

**Units for matrices:** AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.380</td>
<td>0.019</td>
<td>0.177</td>
<td>0.003</td>
<td>2.15</td>
<td>0.11</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO60</td>
<td>3.220</td>
<td>0.055</td>
<td>3.760</td>
<td>0.376</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.350</td>
<td>0.048</td>
<td>5.280</td>
<td>0.528</td>
<td>1.01</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.800</td>
<td>0.130</td>
<td>3.220</td>
<td>0.240</td>
<td>1.18</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.600</td>
<td>0.050</td>
<td>1.850</td>
<td>0.139</td>
<td>0.87</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Matrix: AI

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CS137</td>
<td>273.000</td>
<td>1.970</td>
<td>266.000</td>
<td>3.560</td>
<td>1.03</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>449.000</td>
<td>10.900</td>
<td>394.000</td>
<td>27.000</td>
<td>1.17</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Matrix: SO

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CO60</td>
<td>8.270</td>
<td>0.680</td>
<td>9.600</td>
<td>1.700</td>
<td>0.86</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>128.000</td>
<td>1.570</td>
<td>117.000</td>
<td>3.270</td>
<td>1.09</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K40</td>
<td>1240.000</td>
<td>19.600</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.20</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Matrix: VE

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>EML Error</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CO60</td>
<td>194.000</td>
<td>1.490</td>
<td>196.000</td>
<td>3.490</td>
<td>0.99</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>78.600</td>
<td>0.870</td>
<td>76.800</td>
<td>2.280</td>
<td>1.02</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1580.000</td>
<td>94.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.18</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>GA</td>
<td>1580.000</td>
<td>94.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.18</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>835.000</td>
<td>42.000</td>
<td>653.000</td>
<td>18.300</td>
<td>1.28</td>
<td>0.07</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.620</td>
<td>0.120</td>
<td>0.591</td>
<td>0.047</td>
<td>1.06</td>
<td>0.22</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CE144</td>
<td>4.770</td>
<td>0.480</td>
<td>91.200</td>
<td>0.912</td>
<td>0.05</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>Co 57</td>
<td>5.510</td>
<td>0.140</td>
<td>12.700</td>
<td>0.127</td>
<td>0.43</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>1.800</td>
<td>0.083</td>
<td>3.760</td>
<td>0.376</td>
<td>0.51</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>Cs134</td>
<td>0.330</td>
<td>0.067</td>
<td>5.750</td>
<td>0.575</td>
<td>0.06</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>Cs137</td>
<td>2.830</td>
<td>0.130</td>
<td>5.280</td>
<td>0.528</td>
<td>0.56</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>2.780</td>
<td>0.140</td>
<td>4.710</td>
<td>0.470</td>
<td>0.59</td>
<td>0.07</td>
<td>N</td>
</tr>
</tbody>
</table>

**Matrix: AI**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cs137</td>
<td>264.000</td>
<td>3.800</td>
<td>266.000</td>
<td>3.560</td>
<td>0.99</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>361.000</td>
<td>20.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.94</td>
<td>0.09</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: SO**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Co 60</td>
<td>227.000</td>
<td>3.400</td>
<td>196.000</td>
<td>3.490</td>
<td>1.16</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Cs134</td>
<td>11.100</td>
<td>1.500</td>
<td>83.500</td>
<td>1.800</td>
<td>0.13</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>Cs137</td>
<td>85.800</td>
<td>2.700</td>
<td>76.800</td>
<td>2.280</td>
<td>1.12</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Ga</td>
<td>929.000</td>
<td>74.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.69</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Pb</td>
<td>644.000</td>
<td>32.000</td>
<td>653.000</td>
<td>19.300</td>
<td>0.99</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>52.200</td>
<td>2.700</td>
<td>43.500</td>
<td>2.060</td>
<td>1.20</td>
<td>0.08</td>
<td>W</td>
</tr>
</tbody>
</table>

**Units for matrices:** AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.

**Evaluation:** A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.213</td>
<td>0.067</td>
<td>0.177</td>
<td>0.003</td>
<td>1.20</td>
<td>0.38</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>49.900</td>
<td>7.070</td>
<td>91.200</td>
<td>0.912</td>
<td>0.55</td>
<td>0.08</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>7.050</td>
<td>0.418</td>
<td>12.700</td>
<td>0.127</td>
<td>0.56</td>
<td>0.03</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>2.100</td>
<td>0.698</td>
<td>3.760</td>
<td>0.376</td>
<td>0.56</td>
<td>0.19</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>3.660</td>
<td>0.514</td>
<td>5.750</td>
<td>0.575</td>
<td>0.67</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>3.240</td>
<td>0.708</td>
<td>5.280</td>
<td>0.528</td>
<td>0.61</td>
<td>0.15</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.600</td>
<td>0.602</td>
<td>4.710</td>
<td>0.470</td>
<td>0.76</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.105</td>
<td>0.036</td>
<td>0.122</td>
<td>0.004</td>
<td>0.06</td>
<td>0.30</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.232</td>
<td>0.059</td>
<td>0.062</td>
<td>0.002</td>
<td>3.72</td>
<td>0.95</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.707</td>
<td>0.205</td>
<td>0.739</td>
<td>0.054</td>
<td>0.86</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>24.500</td>
<td>5.130</td>
<td>32.000</td>
<td>0.567</td>
<td>0.77</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>4.450</td>
<td>1.550</td>
<td>6.760</td>
<td>0.440</td>
<td>0.66</td>
<td>0.23</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.310</td>
<td>0.370</td>
<td>1.330</td>
<td>0.073</td>
<td>0.89</td>
<td>0.28</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>213.000</td>
<td>4.030</td>
<td>196.000</td>
<td>3.490</td>
<td>1.09</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>91.800</td>
<td>5.360</td>
<td>83.500</td>
<td>1.800</td>
<td>1.10</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>87.300</td>
<td>5.480</td>
<td>76.800</td>
<td>2.280</td>
<td>1.14</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>62.800</td>
<td>3.530</td>
<td>60.300</td>
<td>2.310</td>
<td>1.04</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>48.200</td>
<td>3.770</td>
<td>43.500</td>
<td>2.080</td>
<td>1.13</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.674</td>
<td>0.168</td>
<td>0.591</td>
<td>0.047</td>
<td>1.14</td>
<td>0.30</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.070</td>
<td>0.650</td>
<td>2.400</td>
<td>0.225</td>
<td>0.86</td>
<td>0.38</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio- Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matrix: AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.900</td>
<td>0.200</td>
<td>3.220</td>
<td>0.240</td>
<td>1.21</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.600</td>
<td>0.300</td>
<td>1.950</td>
<td>0.139</td>
<td>1.41</td>
<td>0.19</td>
<td>W</td>
</tr>
<tr>
<td>Matrix: SO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.200</td>
<td>1.200</td>
<td>3.200</td>
<td>0.754</td>
<td>0.69</td>
<td>0.41</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>52.000</td>
<td>32.000</td>
<td>266.000</td>
<td>3.560</td>
<td>0.20</td>
<td>0.12</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>16.000</td>
<td>2.500</td>
<td>32.000</td>
<td>0.567</td>
<td>0.50</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>3.200</td>
<td>0.800</td>
<td>6.760</td>
<td>0.440</td>
<td>0.47</td>
<td>0.12</td>
<td>N</td>
</tr>
<tr>
<td>Matrix: WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.600</td>
<td>0.400</td>
<td>1.330</td>
<td>0.073</td>
<td>1.20</td>
<td>0.31</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS60</td>
<td>220.000</td>
<td>13.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.12</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>96.000</td>
<td>8.900</td>
<td>83.500</td>
<td>1.800</td>
<td>1.15</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>91.000</td>
<td>13.000</td>
<td>76.800</td>
<td>2.280</td>
<td>1.18</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1200.000</td>
<td>160.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.90</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>960.000</td>
<td>140.000</td>
<td>653.000</td>
<td>10.300</td>
<td>1.47</td>
<td>0.22</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN54</td>
<td>54.000</td>
<td>12.000</td>
<td>43.500</td>
<td>2.060</td>
<td>1.24</td>
<td>0.28</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.770</td>
<td>0.200</td>
<td>0.591</td>
<td>0.047</td>
<td>1.30</td>
<td>0.35</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SR90</td>
<td>3.200</td>
<td>1.900</td>
<td>2.400</td>
<td>0.225</td>
<td>1.33</td>
<td>0.78</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.171</td>
<td>0.021</td>
<td>0.177</td>
<td>0.003</td>
<td>0.97</td>
<td>0.12</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>75.200</td>
<td>1.500</td>
<td>91.200</td>
<td>0.912</td>
<td>0.83</td>
<td>0.02</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>10.900</td>
<td>0.200</td>
<td>12.700</td>
<td>0.127</td>
<td>0.86</td>
<td>0.02</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.440</td>
<td>0.150</td>
<td>3.760</td>
<td>0.376</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.070</td>
<td>0.150</td>
<td>5.750</td>
<td>0.575</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>5.300</td>
<td>0.220</td>
<td>5.280</td>
<td>0.528</td>
<td>1.00</td>
<td>0.11</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.450</td>
<td>0.090</td>
<td>3.220</td>
<td>0.240</td>
<td>1.07</td>
<td>0.08</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.530</td>
<td>0.090</td>
<td>1.850</td>
<td>0.139</td>
<td>1.37</td>
<td>0.11</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>8.300</td>
<td>0.220</td>
<td>4.710</td>
<td>0.470</td>
<td>1.93</td>
<td>0.11</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>1.122</td>
<td>0.023</td>
<td>0.122</td>
<td>0.004</td>
<td>1.00</td>
<td>0.17</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>3.667</td>
<td>0.017</td>
<td>0.003</td>
<td>0.002</td>
<td>1.06</td>
<td>0.23</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR 125</td>
<td>10.300</td>
<td>0.400</td>
<td>9.420</td>
<td>0.942</td>
<td>1.09</td>
<td>0.12</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.910</td>
<td>0.150</td>
<td>0.739</td>
<td>0.054</td>
<td>1.23</td>
<td>0.22</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.085</td>
<td>0.011</td>
<td>0.059</td>
<td>0.002</td>
<td>1.44</td>
<td>0.19</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.027</td>
<td>0.006</td>
<td>0.030</td>
<td>0.009</td>
<td>0.89</td>
<td>0.33</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.030</td>
<td>0.007</td>
<td>0.002</td>
<td>0.000</td>
<td>15.00</td>
<td>3.81</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 60</td>
<td>0.150</td>
<td>0.010</td>
<td>0.091</td>
<td>0.005</td>
<td>1.65</td>
<td>0.14</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.420</td>
<td>0.220</td>
<td>3.200</td>
<td>0.754</td>
<td>0.76</td>
<td>0.19</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>290.000</td>
<td>19.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.09</td>
<td>0.07</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>418.000</td>
<td>30.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.09</td>
<td>0.11</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>28.600</td>
<td>1.500</td>
<td>32.000</td>
<td>0.567</td>
<td>0.89</td>
<td>0.05</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>5.500</td>
<td>0.670</td>
<td>6.760</td>
<td>0.440</td>
<td>0.83</td>
<td>0.11</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>13.700</td>
<td>1.800</td>
<td>11.300</td>
<td>1.500</td>
<td>1.21</td>
<td>0.23</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>27.800</td>
<td>2.600</td>
<td>30.300</td>
<td>1.790</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>27.000</td>
<td>2.600</td>
<td>31.600</td>
<td>1.270</td>
<td>0.95</td>
<td>0.09</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U 60</td>
<td>59.300</td>
<td>3.700</td>
<td>63.400</td>
<td>3.200</td>
<td>0.94</td>
<td>0.08</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.628</td>
<td>0.204</td>
<td>0.702</td>
<td>0.048</td>
<td>0.90</td>
<td>0.30</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>8.150</td>
<td>1.740</td>
<td>9.600</td>
<td>1.700</td>
<td>0.85</td>
<td>0.24</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>120.000</td>
<td>9.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.03</td>
<td>0.08</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1100.000</td>
<td>70.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.07</td>
<td>0.07</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.350</td>
<td>0.250</td>
<td>0.309</td>
<td>0.019</td>
<td>3.95</td>
<td>2.95</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.050</td>
<td>0.240</td>
<td>1.120</td>
<td>0.159</td>
<td>0.94</td>
<td>0.25</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>560.000</td>
<td>11.000</td>
<td>512.000</td>
<td>52.500</td>
<td>1.09</td>
<td>0.11</td>
<td>A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter SO = Bq/kg VE = Bq/kg WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Laboratory

**Labcode: WA**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GB</td>
<td>916.000</td>
<td>39.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.40</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>55.900</td>
<td>4.800</td>
<td>60.300</td>
<td>2.310</td>
<td>0.93</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>47.500</td>
<td>4.800</td>
<td>43.500</td>
<td>2.060</td>
<td>1.09</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.615</td>
<td>0.063</td>
<td>0.591</td>
<td>0.047</td>
<td>1.04</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.540</td>
<td>0.270</td>
<td>2.400</td>
<td>0.225</td>
<td>1.06</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.280</td>
<td>0.043</td>
<td>0.373</td>
<td>0.013</td>
<td>0.75</td>
<td>0.12</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.148</td>
<td>0.030</td>
<td>0.196</td>
<td>0.006</td>
<td>0.76</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>U 80</td>
<td>0.455</td>
<td>0.056</td>
<td>0.568</td>
<td>0.028</td>
<td>0.80</td>
<td>0.11</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

**Labcode: WC**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.177</td>
<td>0.042</td>
<td>0.177</td>
<td>0.003</td>
<td>1.00</td>
<td>0.24</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>58.300</td>
<td>5.800</td>
<td>91.200</td>
<td>0.912</td>
<td>0.64</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO-57</td>
<td>8.550</td>
<td>0.970</td>
<td>12.700</td>
<td>0.127</td>
<td>0.67</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.040</td>
<td>0.330</td>
<td>3.760</td>
<td>0.376</td>
<td>0.81</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.380</td>
<td>0.400</td>
<td>5.750</td>
<td>0.575</td>
<td>0.76</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.500</td>
<td>0.760</td>
<td>5.280</td>
<td>0.528</td>
<td>0.85</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.700</td>
<td>0.370</td>
<td>3.220</td>
<td>0.240</td>
<td>1.15</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.620</td>
<td>0.262</td>
<td>1.860</td>
<td>0.139</td>
<td>1.42</td>
<td>0.18</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.990</td>
<td>0.699</td>
<td>4.710</td>
<td>0.470</td>
<td>0.85</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.125</td>
<td>0.030</td>
<td>0.122</td>
<td>0.004</td>
<td>1.03</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.051</td>
<td>0.019</td>
<td>0.062</td>
<td>0.002</td>
<td>0.98</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.610</td>
<td>0.660</td>
<td>9.420</td>
<td>0.942</td>
<td>0.91</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>3.650</td>
<td>1.250</td>
<td>3.200</td>
<td>0.754</td>
<td>1.14</td>
<td>0.47</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>301.000</td>
<td>32.700</td>
<td>266.000</td>
<td>3.560</td>
<td>1.13</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>4.200</td>
<td>6.400</td>
<td>384.000</td>
<td>27.800</td>
<td>1.13</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>2.130</td>
<td>0.960</td>
<td>32.000</td>
<td>0.587</td>
<td>0.97</td>
<td>0.03</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>2.740</td>
<td>1.120</td>
<td>6.760</td>
<td>0.440</td>
<td>0.41</td>
<td>0.17</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.010</td>
<td>0.001</td>
<td>11.300</td>
<td>1.500</td>
<td>0.00</td>
<td>0.00</td>
<td>N</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.370</td>
<td>0.645</td>
<td>0.702</td>
<td>0.048</td>
<td>1.85</td>
<td>0.93</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO-60</td>
<td>9.490</td>
<td>1.360</td>
<td>9.600</td>
<td>1.700</td>
<td>0.90</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>140.000</td>
<td>15.400</td>
<td>117.000</td>
<td>3.270</td>
<td>1.20</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1210.000</td>
<td>170.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.17</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>3.730</td>
<td>0.949</td>
<td>1.120</td>
<td>0.159</td>
<td>3.33</td>
<td>0.97</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>469.000</td>
<td>68.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.92</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.630</td>
<td>0.285</td>
<td>1.330</td>
<td>0.073</td>
<td>1.23</td>
<td>0.23</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO-60</td>
<td>220.000</td>
<td>22.500</td>
<td>186.000</td>
<td>3.480</td>
<td>1.12</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>74.200</td>
<td>6.000</td>
<td>83.500</td>
<td>1.000</td>
<td>0.89</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>69.200</td>
<td>14.800</td>
<td>76.800</td>
<td>2.280</td>
<td>1.16</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1610.000</td>
<td>161.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.20</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>958.000</td>
<td>95.800</td>
<td>653.000</td>
<td>19.300</td>
<td>1.47</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>55.500</td>
<td>5.600</td>
<td>60.300</td>
<td>2.310</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>50.300</td>
<td>8.600</td>
<td>43.500</td>
<td>2.060</td>
<td>1.16</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.708</td>
<td>0.131</td>
<td>0.591</td>
<td>0.047</td>
<td>1.20</td>
<td>0.24</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.130</td>
<td>0.400</td>
<td>2.400</td>
<td>0.225</td>
<td>0.89</td>
<td>0.19</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

**Labcode: WI**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
</table>

**Matrix: AI**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CE144</td>
<td>67.500</td>
<td>8.200</td>
<td>91.200</td>
<td>0.912</td>
<td>0.74</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Co 57</td>
<td>10.100</td>
<td>0.775</td>
<td>12.700</td>
<td>0.127</td>
<td>0.86</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>3.210</td>
<td>0.323</td>
<td>3.760</td>
<td>0.376</td>
<td>0.96</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.780</td>
<td>0.575</td>
<td>5.750</td>
<td>0.575</td>
<td>1.01</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.390</td>
<td>0.542</td>
<td>5.280</td>
<td>0.528</td>
<td>0.83</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>3.880</td>
<td>0.516</td>
<td>4.710</td>
<td>0.470</td>
<td>0.82</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.720</td>
<td>0.720</td>
<td>9.420</td>
<td>0.942</td>
<td>0.93</td>
<td>0.12</td>
<td>A</td>
</tr>
</tbody>
</table>

**Matrix: WA**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Co 60</td>
<td>212.000</td>
<td>16.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.08</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>93.700</td>
<td>5.690</td>
<td>83.500</td>
<td>1.800</td>
<td>1.12</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>84.900</td>
<td>9.280</td>
<td>76.800</td>
<td>2.280</td>
<td>1.11</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>46.700</td>
<td>5.420</td>
<td>43.500</td>
<td>2.060</td>
<td>1.07</td>
<td>0.14</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.154</td>
<td>0.004</td>
<td>0.177</td>
<td>0.003</td>
<td>0.87</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>59.600</td>
<td>5.800</td>
<td>91.200</td>
<td>0.912</td>
<td>0.65</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>8.800</td>
<td>0.560</td>
<td>12.700</td>
<td>0.127</td>
<td>0.69</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>2.740</td>
<td>0.230</td>
<td>3.760</td>
<td>0.376</td>
<td>0.73</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.160</td>
<td>0.400</td>
<td>5.750</td>
<td>0.575</td>
<td>0.90</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.140</td>
<td>0.330</td>
<td>5.280</td>
<td>0.528</td>
<td>0.78</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.580</td>
<td>0.300</td>
<td>4.710</td>
<td>0.470</td>
<td>0.76</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.121</td>
<td>0.014</td>
<td>0.122</td>
<td>0.004</td>
<td>0.99</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.065</td>
<td>0.008</td>
<td>0.067</td>
<td>0.002</td>
<td>1.04</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>8.030</td>
<td>0.800</td>
<td>9.420</td>
<td>0.942</td>
<td>0.85</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>0.827</td>
<td>0.106</td>
<td>0.739</td>
<td>0.054</td>
<td>1.12</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.059</td>
<td>0.010</td>
<td>0.059</td>
<td>0.002</td>
<td>1.00</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>0.002</td>
<td>0.001</td>
<td>0.002</td>
<td>0.000</td>
<td>1.10</td>
<td>0.43</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.600</td>
<td>0.800</td>
<td>3.200</td>
<td>0.754</td>
<td>0.81</td>
<td>0.32</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>341.000</td>
<td>27.000</td>
<td>368.000</td>
<td>3.560</td>
<td>1.28</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>457.000</td>
<td>52.000</td>
<td>509.000</td>
<td>27.800</td>
<td>1.19</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>31.900</td>
<td>6.100</td>
<td>38.000</td>
<td>0.567</td>
<td>1.00</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.050</td>
<td>1.640</td>
<td>8.690</td>
<td>0.440</td>
<td>1.04</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>12.300</td>
<td>4.600</td>
<td>17.000</td>
<td>1.500</td>
<td>1.09</td>
<td>0.43</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>40.200</td>
<td>8.700</td>
<td>48.900</td>
<td>1.790</td>
<td>1.33</td>
<td>0.30</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>41.600</td>
<td>10.100</td>
<td>51.700</td>
<td>1.270</td>
<td>1.32</td>
<td>0.32</td>
<td>W</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.680</td>
<td>0.180</td>
<td>0.702</td>
<td>0.048</td>
<td>0.97</td>
<td>0.27</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>7.350</td>
<td>0.820</td>
<td>8.170</td>
<td>1.700</td>
<td>0.77</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>127.000</td>
<td>10.000</td>
<td>137.000</td>
<td>3.270</td>
<td>1.09</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1030.000</td>
<td>130.000</td>
<td>1160.000</td>
<td>18.160</td>
<td>1.00</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.113</td>
<td>0.037</td>
<td>0.087</td>
<td>0.019</td>
<td>1.27</td>
<td>0.50</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.210</td>
<td>0.290</td>
<td>1.500</td>
<td>0.159</td>
<td>1.08</td>
<td>0.30</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>435.000</td>
<td>88.000</td>
<td>523.000</td>
<td>52.500</td>
<td>0.85</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>213.000</td>
<td>12.000</td>
<td>225.000</td>
<td>3.490</td>
<td>1.09</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>89.000</td>
<td>5.000</td>
<td>94.000</td>
<td>1.800</td>
<td>1.07</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>89.000</td>
<td>5.000</td>
<td>94.000</td>
<td>1.800</td>
<td>1.16</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>FE 55</td>
<td>148.000</td>
<td>28.000</td>
<td>176.000</td>
<td>5.820</td>
<td>2.93</td>
<td>0.24</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1250.000</td>
<td>540.000</td>
<td>1890.000</td>
<td>40.000</td>
<td>0.93</td>
<td>0.40</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>788.000</td>
<td>127.000</td>
<td>915.000</td>
<td>19.300</td>
<td>1.20</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>47.600</td>
<td>11.700</td>
<td>60.300</td>
<td>2.310</td>
<td>0.79</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>49.900</td>
<td>3.100</td>
<td>53.000</td>
<td>2.060</td>
<td>1.15</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.738</td>
<td>0.139</td>
<td>0.878</td>
<td>0.047</td>
<td>1.25</td>
<td>0.26</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>2.200</td>
<td>0.500</td>
<td>2.400</td>
<td>0.225</td>
<td>0.92</td>
<td>0.23</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL.

## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Matrix: AI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.170</td>
<td>0.033</td>
<td>0.177</td>
<td>0.003</td>
<td>0.96</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS144</td>
<td>57.700</td>
<td>5.900</td>
<td>91.200</td>
<td>0.912</td>
<td>0.63</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Co 57</td>
<td>9.510</td>
<td>0.850</td>
<td>12.700</td>
<td>0.127</td>
<td>0.67</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>2.900</td>
<td>0.300</td>
<td>3.760</td>
<td>0.376</td>
<td>0.80</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>4.550</td>
<td>0.440</td>
<td>5.750</td>
<td>0.575</td>
<td>0.79</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.900</td>
<td>0.480</td>
<td>5.260</td>
<td>0.528</td>
<td>0.83</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>4.180</td>
<td>0.410</td>
<td>4.710</td>
<td>0.470</td>
<td>0.89</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu238</td>
<td>0.130</td>
<td>0.037</td>
<td>0.122</td>
<td>0.004</td>
<td>1.07</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.044</td>
<td>0.022</td>
<td>0.062</td>
<td>0.002</td>
<td>0.71</td>
<td>0.35</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Sr125</td>
<td>8.650</td>
<td>0.855</td>
<td>9.420</td>
<td>0.942</td>
<td>0.92</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>0.740</td>
<td>0.074</td>
<td>0.739</td>
<td>0.054</td>
<td>1.00</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: SO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.700</td>
<td>0.630</td>
<td>3.200</td>
<td>0.754</td>
<td>0.84</td>
<td>0.28</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Cs137</td>
<td>295.000</td>
<td>30.000</td>
<td>266.000</td>
<td>3.560</td>
<td>1.11</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>410.000</td>
<td>40.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.07</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu238</td>
<td>3.400</td>
<td>3.300</td>
<td>32.000</td>
<td>0.567</td>
<td>0.11</td>
<td>0.10</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>5.000</td>
<td>1.000</td>
<td>6.760</td>
<td>0.440</td>
<td>0.87</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Pu239</td>
<td>5.000</td>
<td>1.100</td>
<td>6.760</td>
<td>0.440</td>
<td>0.87</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr90</td>
<td>11.000</td>
<td>2.200</td>
<td>11.300</td>
<td>1.500</td>
<td>0.87</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: VE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.100</td>
<td>0.410</td>
<td>0.702</td>
<td>0.048</td>
<td>1.57</td>
<td>0.59</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>10.300</td>
<td>2.000</td>
<td>9.600</td>
<td>1.700</td>
<td>1.07</td>
<td>0.28</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Cs137</td>
<td>160.000</td>
<td>16.000</td>
<td>117.000</td>
<td>3.270</td>
<td>1.37</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>130.000</td>
<td>130.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.26</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.670</td>
<td>0.440</td>
<td>1.120</td>
<td>0.159</td>
<td>0.60</td>
<td>0.40</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Sr 90</td>
<td>440.000</td>
<td>37.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.86</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td><strong>Matrix: WA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.300</td>
<td>0.190</td>
<td>1.330</td>
<td>0.073</td>
<td>0.98</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Co 60</td>
<td>211.000</td>
<td>21.000</td>
<td>198.000</td>
<td>3.490</td>
<td>1.08</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Cs134</td>
<td>87.700</td>
<td>8.900</td>
<td>83.500</td>
<td>1.800</td>
<td>1.05</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Cs137</td>
<td>85.100</td>
<td>8.500</td>
<td>76.800</td>
<td>2.200</td>
<td>1.11</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>44.050</td>
<td>7.000</td>
<td>60.300</td>
<td>2.510</td>
<td>0.73</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>1</td>
<td>Mn 54</td>
<td>45.300</td>
<td>4.400</td>
<td>43.500</td>
<td>2.060</td>
<td>1.04</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.560</td>
<td>0.150</td>
<td>0.591</td>
<td>0.047</td>
<td>0.95</td>
<td>0.27</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>Sr90</td>
<td>2.800</td>
<td>0.410</td>
<td>2.400</td>
<td>0.225</td>
<td>1.08</td>
<td>0.20</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

**Labcode: WS**

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CS137</td>
<td>223.000</td>
<td>0.000</td>
<td>266.000</td>
<td>3.560</td>
<td>0.84</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>357.000</td>
<td>0.000</td>
<td>384.000</td>
<td>27.800</td>
<td>0.93</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>42.000</td>
<td>0.000</td>
<td>31.600</td>
<td>1.270</td>
<td>1.33</td>
<td>0.05</td>
<td>W</td>
</tr>
</tbody>
</table>

Matrix: SO

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Matrix: AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.100</td>
<td>6.000</td>
<td>3.220</td>
<td>0.240</td>
<td>0.96</td>
<td>1.86</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>2.200</td>
<td>4.000</td>
<td>1.850</td>
<td>0.139</td>
<td>1.19</td>
<td>2.16</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Matrix: WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>210.000</td>
<td>2.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.07</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>87.000</td>
<td>1.100</td>
<td>83.500</td>
<td>1.800</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>83.000</td>
<td>1.200</td>
<td>76.800</td>
<td>2.280</td>
<td>1.08</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1.500</td>
<td>2.500</td>
<td>1340.000</td>
<td>40.000</td>
<td>0.00</td>
<td>0.00</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>9.500</td>
<td>1.700</td>
<td>653.000</td>
<td>19.300</td>
<td>0.02</td>
<td>0.00</td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>H 3</td>
<td>52.000</td>
<td>3.700</td>
<td>60.300</td>
<td>2.310</td>
<td>0.86</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>48.000</td>
<td>1.200</td>
<td>43.500</td>
<td>2.060</td>
<td>1.10</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>1</td>
<td>SR 90</td>
<td>3.100</td>
<td>0.410</td>
<td>2.400</td>
<td>0.225</td>
<td>1.29</td>
<td>0.21</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
# Results by Laboratory

<table>
<thead>
<tr>
<th>Labcode: YA</th>
<th>Reported Value</th>
<th>EML Value</th>
<th>EML Value</th>
<th>Reported Value</th>
<th>Ratio Value</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matrix:</strong> AI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.179</td>
<td>0.016</td>
<td>0.177</td>
<td>0.003</td>
<td>1.01</td>
</tr>
<tr>
<td>1</td>
<td>CE144</td>
<td>56.800</td>
<td>0.710</td>
<td>91.200</td>
<td>0.912</td>
<td>0.62</td>
</tr>
<tr>
<td>1</td>
<td>CO 57</td>
<td>8.340</td>
<td>0.088</td>
<td>12.700</td>
<td>0.127</td>
<td>0.66</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>3.200</td>
<td>0.210</td>
<td>3.760</td>
<td>0.376</td>
<td>0.85</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>5.020</td>
<td>0.230</td>
<td>5.750</td>
<td>0.575</td>
<td>0.87</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>4.020</td>
<td>0.350</td>
<td>5.280</td>
<td>0.528</td>
<td>0.76</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>3.410</td>
<td>0.011</td>
<td>3.220</td>
<td>0.240</td>
<td>1.06</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>1.760</td>
<td>0.026</td>
<td>1.850</td>
<td>0.139</td>
<td>0.95</td>
</tr>
<tr>
<td>1</td>
<td>MN 54</td>
<td>3.600</td>
<td>0.240</td>
<td>4.710</td>
<td>0.470</td>
<td>0.74</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.137</td>
<td>0.004</td>
<td>0.122</td>
<td>0.004</td>
<td>1.12</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>0.065</td>
<td>0.003</td>
<td>0.062</td>
<td>0.002</td>
<td>1.04</td>
</tr>
<tr>
<td>1</td>
<td>SB125</td>
<td>7.680</td>
<td>0.180</td>
<td>9.420</td>
<td>0.842</td>
<td>0.82</td>
</tr>
<tr>
<td>1</td>
<td>SR 80</td>
<td>0.807</td>
<td>0.052</td>
<td>0.739</td>
<td>0.054</td>
<td>1.09</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>0.110</td>
<td>0.030</td>
<td>0.059</td>
<td>0.002</td>
<td>1.86</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>0.038</td>
<td>0.003</td>
<td>0.030</td>
<td>0.009</td>
<td>1.25</td>
</tr>
<tr>
<td><strong>Matrix:</strong> SO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>2.130</td>
<td>0.042</td>
<td>3.200</td>
<td>0.754</td>
<td>0.67</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>294.000</td>
<td>3.700</td>
<td>266.000</td>
<td>3.560</td>
<td>1.11</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>434.000</td>
<td>11.000</td>
<td>384.000</td>
<td>27.800</td>
<td>1.33</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>33.800</td>
<td>1.600</td>
<td>32.000</td>
<td>0.567</td>
<td>1.06</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>7.050</td>
<td>0.320</td>
<td>6.760</td>
<td>0.440</td>
<td>1.04</td>
</tr>
<tr>
<td>1</td>
<td>SR 80</td>
<td>17.600</td>
<td>6.100</td>
<td>11.300</td>
<td>1.500</td>
<td>1.56</td>
</tr>
<tr>
<td>1</td>
<td>U 234</td>
<td>24.100</td>
<td>0.170</td>
<td>30.300</td>
<td>1.790</td>
<td>0.80</td>
</tr>
<tr>
<td>1</td>
<td>U 235</td>
<td>1.130</td>
<td>0.004</td>
<td>1.590</td>
<td>0.075</td>
<td>0.71</td>
</tr>
<tr>
<td>1</td>
<td>U 238</td>
<td>24.100</td>
<td>0.240</td>
<td>31.600</td>
<td>1.270</td>
<td>0.75</td>
</tr>
<tr>
<td><strong>Matrix:</strong> VE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>0.631</td>
<td>0.026</td>
<td>0.702</td>
<td>0.048</td>
<td>0.90</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>7.910</td>
<td>0.670</td>
<td>9.600</td>
<td>1.700</td>
<td>0.82</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>129.000</td>
<td>0.500</td>
<td>117.000</td>
<td>3.270</td>
<td>1.10</td>
</tr>
<tr>
<td>1</td>
<td>K 40</td>
<td>1120.000</td>
<td>20.000</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.09</td>
</tr>
<tr>
<td>1</td>
<td>PU238</td>
<td>0.110</td>
<td>0.014</td>
<td>0.099</td>
<td>0.019</td>
<td>1.24</td>
</tr>
<tr>
<td>1</td>
<td>PU239</td>
<td>1.070</td>
<td>0.078</td>
<td>1.120</td>
<td>0.159</td>
<td>0.95</td>
</tr>
<tr>
<td>1</td>
<td>SR 80</td>
<td>476.000</td>
<td>21.000</td>
<td>512.000</td>
<td>52.500</td>
<td>0.93</td>
</tr>
<tr>
<td><strong>Matrix:</strong> WA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AM241</td>
<td>1.590</td>
<td>0.004</td>
<td>1.330</td>
<td>0.073</td>
<td>1.20</td>
</tr>
<tr>
<td>1</td>
<td>CO 60</td>
<td>200.000</td>
<td>1.000</td>
<td>196.000</td>
<td>3.490</td>
<td>1.02</td>
</tr>
<tr>
<td>1</td>
<td>CS134</td>
<td>84.400</td>
<td>1.300</td>
<td>83.500</td>
<td>1.800</td>
<td>1.01</td>
</tr>
<tr>
<td>1</td>
<td>CS137</td>
<td>80.600</td>
<td>1.800</td>
<td>76.800</td>
<td>2.280</td>
<td>1.05</td>
</tr>
<tr>
<td>1</td>
<td>FE 55</td>
<td>114.000</td>
<td>1.000</td>
<td>119.000</td>
<td>5.820</td>
<td>0.96</td>
</tr>
<tr>
<td>1</td>
<td>GA</td>
<td>1660.000</td>
<td>27.000</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.24</td>
</tr>
<tr>
<td>1</td>
<td>GB</td>
<td>661.000</td>
<td>14.000</td>
<td>653.000</td>
<td>19.300</td>
<td>1.01</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Laboratory

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Radio-Nuclide</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML Value</th>
<th>EML Error</th>
<th>Reported EML Value</th>
<th>Error</th>
<th>Ratio EML</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>H3</td>
<td>36.200</td>
<td>3.200</td>
<td>60.300</td>
<td>2.310</td>
<td>0.60</td>
<td>0.06</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Mn54</td>
<td>44.500</td>
<td>0.580</td>
<td>43.500</td>
<td>2.060</td>
<td>1.02</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Pu239</td>
<td>0.630</td>
<td>0.017</td>
<td>0.591</td>
<td>0.047</td>
<td>1.07</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Sr90</td>
<td>2.100</td>
<td>0.088</td>
<td>2.400</td>
<td>0.225</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U234</td>
<td>0.376</td>
<td>0.011</td>
<td>0.373</td>
<td>0.013</td>
<td>1.01</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>U235</td>
<td>0.236</td>
<td>0.020</td>
<td>0.196</td>
<td>0.006</td>
<td>1.20</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: Al=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** AI  
**Radionuclide:** AM241  
**EML Value:** 0.177  
**EML Error:** 0.003

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.177</td>
<td>0.003</td>
<td>1.00</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>0.186</td>
<td>0.012</td>
<td>1.05</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>0.156</td>
<td>0.010</td>
<td>0.88</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>0.156</td>
<td>0.016</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>0.360</td>
<td>0.060</td>
<td>2.03</td>
<td>0.34</td>
<td>N</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>0.178</td>
<td>0.005</td>
<td>1.91</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>0.149</td>
<td>0.023</td>
<td>0.84</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>0.167</td>
<td>0.041</td>
<td>0.94</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>0.145</td>
<td>0.013</td>
<td>0.82</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>0.430</td>
<td>0.170</td>
<td>2.43</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>0.177</td>
<td>0.005</td>
<td>1.00</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>0.170</td>
<td>0.010</td>
<td>0.96</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>2</td>
<td>0.190</td>
<td>0.020</td>
<td>1.07</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>0.280</td>
<td>0.110</td>
<td>1.47</td>
<td>0.62</td>
<td>W</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>0.180</td>
<td>0.080</td>
<td>1.02</td>
<td>0.45</td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>1.570</td>
<td>0.000</td>
<td>8.87</td>
<td>0.16</td>
<td>N</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>0.173</td>
<td>0.013</td>
<td>0.98</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>0.201</td>
<td>0.044</td>
<td>1.14</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>0.276</td>
<td>0.070</td>
<td>1.56</td>
<td>0.40</td>
<td>W</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>0.211</td>
<td>0.038</td>
<td>1.19</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>0.180</td>
<td>0.020</td>
<td>0.90</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>0.201</td>
<td>0.000</td>
<td>1.14</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>0.181</td>
<td>0.017</td>
<td>1.02</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>0.120</td>
<td>0.010</td>
<td>0.68</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>0.210</td>
<td>0.020</td>
<td>1.19</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>0.221</td>
<td>0.025</td>
<td>1.25</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>0.180</td>
<td>0.030</td>
<td>1.02</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>0.195</td>
<td>0.055</td>
<td>1.10</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>FM</td>
<td>1</td>
<td>0.190</td>
<td>0.050</td>
<td>1.07</td>
<td>0.28</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>0.210</td>
<td>0.000</td>
<td>1.19</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>0.440</td>
<td>0.040</td>
<td>2.49</td>
<td>0.23</td>
<td>N</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>0.181</td>
<td>0.055</td>
<td>1.02</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>0.119</td>
<td>0.012</td>
<td>0.67</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>0.157</td>
<td>0.010</td>
<td>0.89</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>0.166</td>
<td>0.020</td>
<td>0.94</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>0.175</td>
<td>0.020</td>
<td>0.99</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>0.165</td>
<td>0.019</td>
<td>0.93</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>0.165</td>
<td>0.020</td>
<td>0.93</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>1.110</td>
<td>0.100</td>
<td>6.27</td>
<td>0.58</td>
<td>N</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>0.170</td>
<td>0.020</td>
<td>0.96</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>0.210</td>
<td>0.040</td>
<td>1.19</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>0.190</td>
<td>0.020</td>
<td>1.07</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>0.140</td>
<td>0.020</td>
<td>0.79</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>0.270</td>
<td>0.110</td>
<td>1.53</td>
<td>0.62</td>
<td>W</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>0.117</td>
<td>0.018</td>
<td>0.66</td>
<td>0.10</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: Al=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: Al
Radionuclide: AM241

EML Value: 0.177
EML Error: 0.003

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF</td>
<td>1</td>
<td>0.174</td>
<td>0.021</td>
<td>0.98</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>0.186</td>
<td>0.026</td>
<td>1.05</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>0.080</td>
<td>0.010</td>
<td>0.34</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>0.180</td>
<td>0.030</td>
<td>1.02</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>0.183</td>
<td>0.010</td>
<td>1.03</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>0.172</td>
<td>0.019</td>
<td>0.97</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>0.380</td>
<td>0.019</td>
<td>2.15</td>
<td>0.11</td>
<td>N</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>0.213</td>
<td>0.067</td>
<td>1.20</td>
<td>0.38</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.171</td>
<td>0.021</td>
<td>0.97</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>0.177</td>
<td>0.042</td>
<td>1.00</td>
<td>0.24</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>0.154</td>
<td>0.004</td>
<td>0.87</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>0.170</td>
<td>0.033</td>
<td>0.96</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>0.179</td>
<td>0.016</td>
<td>1.01</td>
<td>0.09</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 59

Units for matrices: Al=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

**Matrix:** AI  
**Radionuclide:** CE144  
**EML Value:** 91.200  
**EML Error:** 0.912

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>91.200</td>
<td>0.912</td>
<td>1.00</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>56.600</td>
<td>1.200</td>
<td>0.61</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>68.600</td>
<td>6.800</td>
<td>0.76</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>68.600</td>
<td>6.800</td>
<td>0.76</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>72.100</td>
<td>0.640</td>
<td>0.79</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>70.300</td>
<td>1.250</td>
<td>0.77</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>61.200</td>
<td>8.320</td>
<td>0.67</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>76.500</td>
<td>37.600</td>
<td>0.84</td>
<td>0.41</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>71.300</td>
<td>1.420</td>
<td>0.73</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>92.900</td>
<td>13.800</td>
<td>1.02</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>76.500</td>
<td>5.500</td>
<td>0.94</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>68.600</td>
<td>7.950</td>
<td>0.76</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>71.500</td>
<td>1.800</td>
<td>0.78</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>74.500</td>
<td>5.200</td>
<td>0.82</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>76.000</td>
<td>17.100</td>
<td>0.83</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>56.600</td>
<td>2.820</td>
<td>0.62</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>64.800</td>
<td>0.300</td>
<td>0.71</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>101.000</td>
<td>5.000</td>
<td>1.11</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>67.700</td>
<td>0.000</td>
<td>0.74</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>59.900</td>
<td>2.600</td>
<td>0.66</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>58.800</td>
<td>1.800</td>
<td>0.66</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>56.000</td>
<td>1.370</td>
<td>0.61</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>52.800</td>
<td>4.780</td>
<td>0.59</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>77.400</td>
<td>7.000</td>
<td>0.85</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>44.300</td>
<td>1.900</td>
<td>0.49</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>88.000</td>
<td>0.000</td>
<td>0.97</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>68.800</td>
<td>8.870</td>
<td>0.75</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>64.000</td>
<td>5.000</td>
<td>0.70</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>81.900</td>
<td>6.100</td>
<td>0.90</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>86.900</td>
<td>12.900</td>
<td>0.95</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>63.800</td>
<td>0.330</td>
<td>0.70</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>58.500</td>
<td>2.660</td>
<td>0.64</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>89.600</td>
<td>2.400</td>
<td>0.98</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>58.800</td>
<td>0.300</td>
<td>0.65</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>FM</td>
<td>1</td>
<td>68.900</td>
<td>1.080</td>
<td>0.73</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>72.800</td>
<td>7.400</td>
<td>0.69</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>64.700</td>
<td>0.000</td>
<td>0.71</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>61.800</td>
<td>10.100</td>
<td>0.68</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>74.900</td>
<td>0.800</td>
<td>0.82</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>JD</td>
<td>1</td>
<td>94.000</td>
<td>6.000</td>
<td>1.03</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>63.400</td>
<td>9.900</td>
<td>0.70</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>61.600</td>
<td>3.080</td>
<td>0.68</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>59.500</td>
<td>1.440</td>
<td>0.66</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>47.800</td>
<td>3.590</td>
<td>0.52</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>46.800</td>
<td>3.520</td>
<td>0.51</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>47.600</td>
<td>3.850</td>
<td>0.52</td>
<td>0.04</td>
<td>N</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

**Matrix: AI**  
**Radionuclide: CE144**

**EML Value: 91.200**  
**EML Error: 0.912**

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB</td>
<td>1</td>
<td>45.000</td>
<td>6.000</td>
<td>0.49</td>
<td>0.07</td>
<td>N</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>64.400</td>
<td>11.000</td>
<td>0.67</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>67.900</td>
<td>1.800</td>
<td>0.75</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>LM</td>
<td>1</td>
<td>130.000</td>
<td>2.900</td>
<td>1.43</td>
<td>0.03</td>
<td>N</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>76.500</td>
<td>6.600</td>
<td>0.84</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>114.000</td>
<td>0.520</td>
<td>1.25</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>85.000</td>
<td>1.700</td>
<td>0.93</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>61.000</td>
<td>1.000</td>
<td>0.67</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>53.400</td>
<td>1.980</td>
<td>0.59</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>OI</td>
<td>1</td>
<td>165.000</td>
<td>1.000</td>
<td>1.81</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>62.600</td>
<td>6.500</td>
<td>0.69</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>70.000</td>
<td>1.000</td>
<td>0.77</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>OS</td>
<td>1</td>
<td>88.400</td>
<td>4.150</td>
<td>0.97</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>76.000</td>
<td>1.000</td>
<td>0.93</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>70.000</td>
<td>9.500</td>
<td>0.77</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>67.000</td>
<td>7.170</td>
<td>0.74</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>57.400</td>
<td>2.000</td>
<td>0.63</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>SA</td>
<td>1</td>
<td>99.400</td>
<td>9.000</td>
<td>1.09</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>78.100</td>
<td>7.200</td>
<td>0.86</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>50.800</td>
<td>2.500</td>
<td>0.56</td>
<td>0.03</td>
<td>N</td>
</tr>
<tr>
<td>SS</td>
<td>1</td>
<td>72.000</td>
<td>7.000</td>
<td>0.79</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>65.300</td>
<td>1.100</td>
<td>0.72</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>53.300</td>
<td>5.300</td>
<td>0.58</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>67.400</td>
<td>2.220</td>
<td>0.74</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>60.400</td>
<td>0.115</td>
<td>0.66</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>4.770</td>
<td>0.480</td>
<td>0.05</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>49.900</td>
<td>7.070</td>
<td>0.56</td>
<td>0.08</td>
<td>N</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>75.200</td>
<td>1.500</td>
<td>0.83</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>59.300</td>
<td>5.800</td>
<td>0.64</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>WI</td>
<td>1</td>
<td>67.500</td>
<td>6.820</td>
<td>0.74</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>59.600</td>
<td>5.800</td>
<td>0.66</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>57.700</td>
<td>5.900</td>
<td>0.63</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>56.800</td>
<td>0.710</td>
<td>0.62</td>
<td>0.01</td>
<td>W</td>
</tr>
</tbody>
</table>

**Total Number Reported:** 79

---

Units for matrices: AI=Bq/filter  
SO=Bq/kg  
VE=Bq/kg  
WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** Al  
**Radionuclide:** CO 57

**EML Value:** 12.700  
**EML Error:** 0.127

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>12.700</td>
<td>0.127</td>
<td>1.00</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>8.440</td>
<td>0.460</td>
<td>0.67</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>8.260</td>
<td>0.880</td>
<td>0.69</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>9.370</td>
<td>0.080</td>
<td>0.74</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>10.100</td>
<td>0.130</td>
<td>0.80</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>8.930</td>
<td>0.640</td>
<td>0.70</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>13.600</td>
<td>6.190</td>
<td>1.07</td>
<td>0.49</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>10.000</td>
<td>0.200</td>
<td>0.79</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>13.700</td>
<td>2.100</td>
<td>1.08</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>10.000</td>
<td>0.640</td>
<td>0.85</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>9.880</td>
<td>0.870</td>
<td>0.78</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>10.300</td>
<td>0.300</td>
<td>0.81</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>10.700</td>
<td>0.700</td>
<td>0.84</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>11.300</td>
<td>3.060</td>
<td>0.89</td>
<td>0.24</td>
<td>A</td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>8.830</td>
<td>0.450</td>
<td>0.70</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>9.190</td>
<td>0.040</td>
<td>0.72</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>13.000</td>
<td>1.000</td>
<td>1.02</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>9.810</td>
<td>0.000</td>
<td>0.77</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>8.400</td>
<td>0.300</td>
<td>0.66</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>8.710</td>
<td>0.270</td>
<td>0.69</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>8.190</td>
<td>0.231</td>
<td>0.65</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>9.340</td>
<td>0.420</td>
<td>0.74</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>11.200</td>
<td>1.000</td>
<td>0.88</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>7.050</td>
<td>0.230</td>
<td>0.56</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>11.300</td>
<td>0.000</td>
<td>0.89</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>9.950</td>
<td>0.955</td>
<td>0.78</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>10.100</td>
<td>0.700</td>
<td>0.80</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>12.100</td>
<td>0.600</td>
<td>0.95</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>12.600</td>
<td>0.999</td>
<td>0.99</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>9.360</td>
<td>0.130</td>
<td>0.74</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>8.120</td>
<td>0.314</td>
<td>0.64</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>12.500</td>
<td>0.500</td>
<td>0.98</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>8.570</td>
<td>0.110</td>
<td>0.66</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>FM</td>
<td>1</td>
<td>9.260</td>
<td>0.150</td>
<td>0.73</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>10.000</td>
<td>0.600</td>
<td>0.79</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>9.270</td>
<td>0.000</td>
<td>0.73</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>8.920</td>
<td>0.870</td>
<td>0.70</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>12.200</td>
<td>0.160</td>
<td>0.96</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>13.400</td>
<td>0.700</td>
<td>1.05</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>10.900</td>
<td>0.280</td>
<td>0.86</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>8.900</td>
<td>0.670</td>
<td>0.72</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>9.020</td>
<td>0.630</td>
<td>0.71</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>8.480</td>
<td>0.210</td>
<td>0.67</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>8.970</td>
<td>0.680</td>
<td>0.71</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>8.860</td>
<td>0.660</td>
<td>0.70</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>8.810</td>
<td>0.670</td>
<td>0.70</td>
<td>0.05</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: Al = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
Results by Nuclide

**Matrix:** AI  
**Radionuclide:** CO 57

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB</td>
<td>1</td>
<td>6.400</td>
<td>1.000</td>
<td>0.50</td>
<td>0.08</td>
<td>N</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>9.010</td>
<td>1.880</td>
<td>0.71</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>10.000</td>
<td>0.330</td>
<td>0.79</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>LM</td>
<td>1</td>
<td>18.000</td>
<td>0.450</td>
<td>1.42</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>11.500</td>
<td>0.310</td>
<td>0.91</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>MI</td>
<td>1</td>
<td>8.020</td>
<td>0.265</td>
<td>0.63</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>16.000</td>
<td>0.070</td>
<td>1.26</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>12.000</td>
<td>0.200</td>
<td>0.95</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>8.500</td>
<td>0.400</td>
<td>0.67</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>8.650</td>
<td>0.330</td>
<td>0.68</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>9.640</td>
<td>0.560</td>
<td>0.76</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>10.000</td>
<td>1.000</td>
<td>0.79</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>OS</td>
<td>1</td>
<td>12.800</td>
<td>0.590</td>
<td>1.01</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>10.000</td>
<td>1.000</td>
<td>0.79</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>10.000</td>
<td>0.840</td>
<td>0.79</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>9.360</td>
<td>1.050</td>
<td>0.74</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>8.340</td>
<td>0.360</td>
<td>0.66</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>SA</td>
<td>1</td>
<td>14.400</td>
<td>0.140</td>
<td>1.13</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>10.900</td>
<td>1.200</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>7.200</td>
<td>0.500</td>
<td>0.57</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>SS</td>
<td>1</td>
<td>10.300</td>
<td>1.000</td>
<td>0.81</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>9.450</td>
<td>1.700</td>
<td>0.75</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>7.900</td>
<td>0.800</td>
<td>0.62</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>10.400</td>
<td>0.354</td>
<td>0.82</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>9.440</td>
<td>0.139</td>
<td>0.74</td>
<td>0.01</td>
<td>W</td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>5.510</td>
<td>0.140</td>
<td>0.43</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>7.050</td>
<td>0.418</td>
<td>0.56</td>
<td>0.03</td>
<td>N</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>10.900</td>
<td>0.200</td>
<td>0.86</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>8.550</td>
<td>0.970</td>
<td>0.67</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>WI</td>
<td>1</td>
<td>10.100</td>
<td>0.775</td>
<td>0.80</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>8.800</td>
<td>0.560</td>
<td>0.69</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>8.510</td>
<td>0.850</td>
<td>0.67</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>8.340</td>
<td>0.088</td>
<td>0.66</td>
<td>0.01</td>
<td>W</td>
</tr>
</tbody>
</table>

Total Number Reported: 79

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
## Results by Nuclide

**Matrix:** AI  
**Radionuclide:** CO 60  
**EML Value:** 3.760  
**EML Error:** 0.376

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>3.760</td>
<td>0.376</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>3.040</td>
<td>0.220</td>
<td>0.81</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>2.840</td>
<td>0.290</td>
<td>0.78</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>3.020</td>
<td>0.130</td>
<td>0.80</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>3.390</td>
<td>0.099</td>
<td>0.90</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>2.660</td>
<td>0.300</td>
<td>0.79</td>
<td>0.11</td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>4.130</td>
<td>0.270</td>
<td>1.10</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>3.200</td>
<td>0.460</td>
<td>0.95</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>3.000</td>
<td>0.600</td>
<td>1.01</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>3.680</td>
<td>0.080</td>
<td>0.80</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>3.570</td>
<td>0.495</td>
<td>0.95</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>3.200</td>
<td>0.200</td>
<td>0.85</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>3.200</td>
<td>0.220</td>
<td>0.85</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>3.370</td>
<td>1.210</td>
<td>0.90</td>
<td>0.33</td>
<td>A</td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>5.160</td>
<td>0.840</td>
<td>1.37</td>
<td>0.26</td>
<td>N</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>2.810</td>
<td>0.140</td>
<td>0.77</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>3.500</td>
<td>0.300</td>
<td>0.93</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>2.890</td>
<td>0.000</td>
<td>0.77</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>2.800</td>
<td>0.300</td>
<td>0.75</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>2.810</td>
<td>0.130</td>
<td>0.75</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>2.810</td>
<td>0.229</td>
<td>0.75</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>3.360</td>
<td>0.390</td>
<td>0.89</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>3.530</td>
<td>0.490</td>
<td>0.94</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>2.600</td>
<td>0.120</td>
<td>0.69</td>
<td>0.08</td>
<td>N</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>3.400</td>
<td>0.000</td>
<td>0.50</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>3.270</td>
<td>0.289</td>
<td>0.87</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>3.300</td>
<td>0.300</td>
<td>0.88</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>3.400</td>
<td>0.200</td>
<td>0.90</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>4.030</td>
<td>0.333</td>
<td>1.07</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>3.060</td>
<td>0.120</td>
<td>0.81</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>2.860</td>
<td>0.113</td>
<td>0.76</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>3.480</td>
<td>0.380</td>
<td>0.93</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>2.830</td>
<td>0.080</td>
<td>0.75</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>FM</td>
<td>1</td>
<td>3.170</td>
<td>0.080</td>
<td>0.84</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>3.280</td>
<td>0.220</td>
<td>0.87</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>2.890</td>
<td>0.000</td>
<td>0.77</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>2.860</td>
<td>0.380</td>
<td>0.76</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>2.640</td>
<td>0.150</td>
<td>0.70</td>
<td>0.08</td>
<td>N</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>3.700</td>
<td>0.200</td>
<td>0.80</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>3.620</td>
<td>0.300</td>
<td>0.86</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>2.860</td>
<td>0.280</td>
<td>0.79</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>3.010</td>
<td>0.210</td>
<td>0.80</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>2.830</td>
<td>0.170</td>
<td>0.75</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>3.030</td>
<td>0.250</td>
<td>0.81</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>3.000</td>
<td>0.250</td>
<td>0.80</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>2.990</td>
<td>0.260</td>
<td>0.80</td>
<td>0.11</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in pg/g filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
Results by Nuclide

<table>
<thead>
<tr>
<th>LABCODE</th>
<th>Test#</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio EML</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB</td>
<td>1</td>
<td>3.000</td>
<td>1.500</td>
<td>0.80</td>
<td>0.41</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>2.820</td>
<td>0.620</td>
<td>0.75</td>
<td>0.18</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>3.340</td>
<td>0.100</td>
<td>0.89</td>
<td>0.09</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LM</td>
<td>1</td>
<td>6.900</td>
<td>0.780</td>
<td>1.84</td>
<td>0.28</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>3.250</td>
<td>0.090</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MI</td>
<td>1</td>
<td>2.789</td>
<td>0.185</td>
<td>0.74</td>
<td>0.08</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>4.610</td>
<td>0.080</td>
<td>1.20</td>
<td>0.12</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>3.560</td>
<td>0.160</td>
<td>0.95</td>
<td>0.10</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>2.800</td>
<td>0.100</td>
<td>0.75</td>
<td>0.08</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>2.940</td>
<td>0.130</td>
<td>0.78</td>
<td>0.09</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OI</td>
<td>1</td>
<td>6.200</td>
<td>0.100</td>
<td>1.65</td>
<td>0.17</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>3.110</td>
<td>0.170</td>
<td>0.83</td>
<td>0.09</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>3.400</td>
<td>0.300</td>
<td>0.90</td>
<td>0.12</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OS</td>
<td>1</td>
<td>2.930</td>
<td>0.080</td>
<td>0.78</td>
<td>0.08</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>3.400</td>
<td>0.200</td>
<td>0.90</td>
<td>0.11</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>3.400</td>
<td>0.340</td>
<td>0.90</td>
<td>0.13</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>3.420</td>
<td>0.516</td>
<td>0.91</td>
<td>0.17</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>3.300</td>
<td>0.320</td>
<td>0.88</td>
<td>0.12</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SA</td>
<td>1</td>
<td>4.100</td>
<td>0.400</td>
<td>1.09</td>
<td>0.15</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>3.200</td>
<td>0.200</td>
<td>0.85</td>
<td>0.10</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>2.600</td>
<td>0.200</td>
<td>0.69</td>
<td>0.09</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SS</td>
<td>1</td>
<td>3.600</td>
<td>0.400</td>
<td>0.96</td>
<td>0.14</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>3.150</td>
<td>0.140</td>
<td>0.84</td>
<td>0.09</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>3.200</td>
<td>0.300</td>
<td>0.85</td>
<td>0.12</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>3.220</td>
<td>0.251</td>
<td>0.86</td>
<td>0.11</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>3.330</td>
<td>0.166</td>
<td>0.89</td>
<td>0.10</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>4.530</td>
<td>0.200</td>
<td>1.21</td>
<td>0.13</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>3.220</td>
<td>0.055</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>1.800</td>
<td>0.083</td>
<td>0.51</td>
<td>0.06</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>2.100</td>
<td>0.698</td>
<td>0.56</td>
<td>0.19</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>3.440</td>
<td>0.150</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>3.040</td>
<td>0.330</td>
<td>0.81</td>
<td>0.12</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WI</td>
<td>1</td>
<td>3.210</td>
<td>0.323</td>
<td>0.85</td>
<td>0.12</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>2.740</td>
<td>0.230</td>
<td>0.73</td>
<td>0.10</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>2.890</td>
<td>0.300</td>
<td>0.80</td>
<td>0.11</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>3.200</td>
<td>0.210</td>
<td>0.85</td>
<td>0.10</td>
<td>A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Number Reported: 82

Units for matrices: AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Nuclide

**Matrix:** Al  
**Radionuclide:** CS134  
**EML Value:** 5.750  
**EML Error:** 0.575

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>5.750</td>
<td>0.575</td>
<td>1.00</td>
<td>0.14</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>5.480</td>
<td>0.240</td>
<td>0.95</td>
<td>0.10</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>4.970</td>
<td>0.500</td>
<td>0.87</td>
<td>0.12</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>4.090</td>
<td>0.100</td>
<td>0.71</td>
<td>0.07</td>
<td></td>
<td>W</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>5.470</td>
<td>0.122</td>
<td>0.95</td>
<td>0.10</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>4.650</td>
<td>0.450</td>
<td>0.81</td>
<td>0.11</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>6.180</td>
<td>0.300</td>
<td>1.08</td>
<td>0.12</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>5.250</td>
<td>0.300</td>
<td>0.91</td>
<td>0.11</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>5.800</td>
<td>0.900</td>
<td>1.01</td>
<td>0.19</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>5.680</td>
<td>0.320</td>
<td>0.99</td>
<td>0.11</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>4.800</td>
<td>0.485</td>
<td>0.84</td>
<td>0.12</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>5.390</td>
<td>0.250</td>
<td>0.94</td>
<td>0.30</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>5.300</td>
<td>0.410</td>
<td>1.01</td>
<td>0.12</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>5.300</td>
<td>0.600</td>
<td>0.92</td>
<td>0.14</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>4.770</td>
<td>0.570</td>
<td>0.83</td>
<td>0.13</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>5.300</td>
<td>0.130</td>
<td>0.92</td>
<td>0.09</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>5.400</td>
<td>0.700</td>
<td>0.94</td>
<td>0.15</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>5.220</td>
<td>0.000</td>
<td>0.91</td>
<td>0.09</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>5.300</td>
<td>0.300</td>
<td>0.92</td>
<td>0.11</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>4.750</td>
<td>0.200</td>
<td>0.83</td>
<td>0.09</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>4.420</td>
<td>0.239</td>
<td>0.77</td>
<td>0.09</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>4.960</td>
<td>0.450</td>
<td>0.86</td>
<td>0.12</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>5.540</td>
<td>0.730</td>
<td>0.96</td>
<td>0.16</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>3.530</td>
<td>0.130</td>
<td>0.61</td>
<td>0.07</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>5.330</td>
<td>0.000</td>
<td>0.93</td>
<td>0.09</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>4.770</td>
<td>1.110</td>
<td>0.83</td>
<td>0.21</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>5.600</td>
<td>0.400</td>
<td>0.97</td>
<td>0.12</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>5.200</td>
<td>0.300</td>
<td>0.90</td>
<td>0.10</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>6.400</td>
<td>0.629</td>
<td>1.11</td>
<td>0.16</td>
<td></td>
<td>W</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>4.610</td>
<td>0.110</td>
<td>0.80</td>
<td>0.08</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>4.670</td>
<td>0.158</td>
<td>0.81</td>
<td>0.09</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>5.560</td>
<td>0.460</td>
<td>0.97</td>
<td>0.13</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>4.330</td>
<td>0.040</td>
<td>0.75</td>
<td>0.08</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>FM</td>
<td>1</td>
<td>4.770</td>
<td>0.080</td>
<td>0.83</td>
<td>0.08</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>4.850</td>
<td>0.620</td>
<td>0.84</td>
<td>0.14</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>5.360</td>
<td>0.000</td>
<td>0.93</td>
<td>0.09</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>4.650</td>
<td>0.590</td>
<td>0.81</td>
<td>0.13</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>5.030</td>
<td>0.150</td>
<td>0.88</td>
<td>0.09</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>0.000</td>
<td>0.200</td>
<td>0.00</td>
<td>0.08</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>6.400</td>
<td>0.300</td>
<td>1.11</td>
<td>0.12</td>
<td></td>
<td>W</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>4.870</td>
<td>0.210</td>
<td>0.85</td>
<td>0.09</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>5.240</td>
<td>0.520</td>
<td>0.91</td>
<td>0.13</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>5.190</td>
<td>0.250</td>
<td>0.90</td>
<td>0.10</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>4.530</td>
<td>0.021</td>
<td>0.79</td>
<td>0.08</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>4.920</td>
<td>0.400</td>
<td>0.86</td>
<td>0.11</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>4.860</td>
<td>0.380</td>
<td>0.85</td>
<td>0.11</td>
<td></td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: Al=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** AI  
**Radionuclide:** Cs134  
**EML Value:** 5.750  
**EML Error:** 0.575

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LA</td>
<td>3</td>
<td>4.600</td>
<td>0.350</td>
<td>0.85</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>5.600</td>
<td>2.100</td>
<td>0.97</td>
<td>0.38</td>
<td>A</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>4.270</td>
<td>0.800</td>
<td>0.74</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>5.810</td>
<td>0.130</td>
<td>1.01</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>LM</td>
<td>1</td>
<td>8.800</td>
<td>0.510</td>
<td>1.63</td>
<td>0.18</td>
<td>N</td>
</tr>
<tr>
<td>LM</td>
<td>2</td>
<td>100.000</td>
<td>5.300</td>
<td>17.40</td>
<td>1.97</td>
<td>N</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>4.660</td>
<td>0.100</td>
<td>0.81</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>MI</td>
<td>1</td>
<td>5.110</td>
<td>0.167</td>
<td>0.89</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>7.200</td>
<td>0.080</td>
<td>1.25</td>
<td>0.13</td>
<td>N</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>4.840</td>
<td>0.220</td>
<td>0.84</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>4.400</td>
<td>0.100</td>
<td>0.77</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>4.740</td>
<td>0.170</td>
<td>0.82</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>OI</td>
<td>1</td>
<td>10.900</td>
<td>0.100</td>
<td>1.90</td>
<td>0.19</td>
<td>N</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>4.380</td>
<td>0.300</td>
<td>0.76</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>5.100</td>
<td>0.200</td>
<td>0.89</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>OS</td>
<td>1</td>
<td>4.810</td>
<td>0.110</td>
<td>0.84</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>5.300</td>
<td>0.200</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>5.400</td>
<td>0.420</td>
<td>0.94</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>6.020</td>
<td>0.753</td>
<td>1.05</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>5.150</td>
<td>0.200</td>
<td>0.90</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>SA</td>
<td>1</td>
<td>6.300</td>
<td>0.800</td>
<td>1.18</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>6.100</td>
<td>0.800</td>
<td>1.06</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>4.200</td>
<td>0.600</td>
<td>0.73</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>SS</td>
<td>1</td>
<td>5.100</td>
<td>0.500</td>
<td>0.89</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>5.100</td>
<td>0.150</td>
<td>0.89</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>4.700</td>
<td>0.500</td>
<td>0.82</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>5.280</td>
<td>0.256</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>6.760</td>
<td>0.334</td>
<td>1.18</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>5.900</td>
<td>0.606</td>
<td>1.03</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>0.330</td>
<td>0.067</td>
<td>0.06</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>3.860</td>
<td>0.514</td>
<td>0.67</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>5.070</td>
<td>0.150</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>4.380</td>
<td>0.400</td>
<td>0.76</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>WI</td>
<td>1</td>
<td>5.780</td>
<td>0.575</td>
<td>1.01</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>5.160</td>
<td>0.400</td>
<td>0.90</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>4.550</td>
<td>0.440</td>
<td>0.79</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>5.020</td>
<td>0.230</td>
<td>0.87</td>
<td>0.10</td>
<td>A</td>
</tr>
</tbody>
</table>

**Total Number Reported:** 83

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>5.280</td>
<td>0.528</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>4.700</td>
<td>0.260</td>
<td>0.89</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>4.330</td>
<td>0.430</td>
<td>0.82</td>
<td>0.12</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>4.460</td>
<td>0.160</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>4.780</td>
<td>0.139</td>
<td>0.91</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>4.320</td>
<td>0.360</td>
<td>0.82</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>5.090</td>
<td>0.190</td>
<td>1.16</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>4.820</td>
<td>0.390</td>
<td>0.91</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>5.600</td>
<td>0.600</td>
<td>1.06</td>
<td>0.19</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>5.460</td>
<td>0.410</td>
<td>1.03</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>4.960</td>
<td>0.000</td>
<td>0.94</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>5.200</td>
<td>0.660</td>
<td>0.99</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>4.460</td>
<td>0.200</td>
<td>0.85</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>5.080</td>
<td>0.360</td>
<td>0.96</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>5.200</td>
<td>0.350</td>
<td>0.99</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>4.960</td>
<td>0.770</td>
<td>0.94</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>4.410</td>
<td>0.090</td>
<td>0.84</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>5.300</td>
<td>0.500</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>4.550</td>
<td>0.000</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>4.400</td>
<td>0.600</td>
<td>0.83</td>
<td>0.14</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>4.270</td>
<td>0.190</td>
<td>0.81</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>3.980</td>
<td>0.222</td>
<td>0.75</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>4.660</td>
<td>0.550</td>
<td>0.92</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>5.230</td>
<td>0.880</td>
<td>0.99</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>3.340</td>
<td>0.180</td>
<td>0.63</td>
<td>0.07</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>DG</td>
<td>1</td>
<td>5.570</td>
<td>0.000</td>
<td>1.05</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>4.830</td>
<td>0.773</td>
<td>0.92</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>4.600</td>
<td>0.300</td>
<td>0.87</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>4.290</td>
<td>0.300</td>
<td>0.81</td>
<td>0.10</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>5.620</td>
<td>0.481</td>
<td>1.06</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>4.460</td>
<td>0.160</td>
<td>0.85</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>3.840</td>
<td>0.206</td>
<td>0.73</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>5.110</td>
<td>0.490</td>
<td>0.97</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>4.480</td>
<td>0.100</td>
<td>0.95</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FM</td>
<td>1</td>
<td>4.640</td>
<td>0.120</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>4.250</td>
<td>0.370</td>
<td>0.81</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>4.660</td>
<td>0.000</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>4.220</td>
<td>0.560</td>
<td>0.80</td>
<td>0.13</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>4.340</td>
<td>0.160</td>
<td>0.82</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>6.500</td>
<td>0.200</td>
<td>1.23</td>
<td>0.13</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>6.100</td>
<td>0.300</td>
<td>1.16</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>4.350</td>
<td>0.240</td>
<td>0.82</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>4.160</td>
<td>0.370</td>
<td>0.79</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>4.400</td>
<td>0.220</td>
<td>0.83</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>4.160</td>
<td>0.190</td>
<td>0.79</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>4.890</td>
<td>0.400</td>
<td>0.93</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/meter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
# Results by Nuclide

Matrix: AI  
Radionuclide: CS137  
EML Value: 5.280  
EML Error: 0.528

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LA</td>
<td>2</td>
<td>4.710</td>
<td>0.380</td>
<td>0.89</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>4.770</td>
<td>0.410</td>
<td>0.90</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>4.400</td>
<td>1.600</td>
<td>0.83</td>
<td>0.31</td>
<td>W</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>4.510</td>
<td>1.130</td>
<td>0.85</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>4.820</td>
<td>0.180</td>
<td>0.93</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>LM</td>
<td>1</td>
<td>8.600</td>
<td>0.610</td>
<td>1.63</td>
<td>0.20</td>
<td>N</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>4.920</td>
<td>0.160</td>
<td>0.93</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>MI</td>
<td>1</td>
<td>3.870</td>
<td>0.182</td>
<td>0.73</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>7.190</td>
<td>0.080</td>
<td>1.36</td>
<td>0.14</td>
<td>N</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>4.830</td>
<td>0.190</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>3.800</td>
<td>0.100</td>
<td>0.74</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>4.320</td>
<td>0.270</td>
<td>0.62</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>10.100</td>
<td>0.200</td>
<td>1.91</td>
<td>0.20</td>
<td>N</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>4.600</td>
<td>0.220</td>
<td>0.87</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>GS</td>
<td>1</td>
<td>4.700</td>
<td>0.260</td>
<td>0.89</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>5.200</td>
<td>0.200</td>
<td>0.99</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>4.400</td>
<td>0.550</td>
<td>0.83</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>4.980</td>
<td>0.672</td>
<td>0.94</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>3.740</td>
<td>0.540</td>
<td>0.71</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>SA</td>
<td>1</td>
<td>6.000</td>
<td>0.600</td>
<td>1.14</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>4.400</td>
<td>0.200</td>
<td>0.83</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>3.500</td>
<td>0.600</td>
<td>0.66</td>
<td>0.13</td>
<td>N</td>
</tr>
<tr>
<td>SS</td>
<td>1</td>
<td>5.300</td>
<td>0.600</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>4.280</td>
<td>0.230</td>
<td>0.81</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>4.800</td>
<td>0.500</td>
<td>0.93</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>4.380</td>
<td>0.272</td>
<td>0.83</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>4.490</td>
<td>0.181</td>
<td>0.85</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>6.100</td>
<td>0.484</td>
<td>1.16</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>5.350</td>
<td>0.048</td>
<td>1.01</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>2.930</td>
<td>0.130</td>
<td>0.56</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>3.240</td>
<td>0.708</td>
<td>0.61</td>
<td>0.15</td>
<td>N</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>5.300</td>
<td>0.220</td>
<td>1.00</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>4.500</td>
<td>0.760</td>
<td>0.85</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>WI</td>
<td>1</td>
<td>4.290</td>
<td>0.542</td>
<td>0.53</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>4.140</td>
<td>0.330</td>
<td>0.78</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>4.890</td>
<td>0.480</td>
<td>0.93</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>4.020</td>
<td>0.350</td>
<td>0.76</td>
<td>0.10</td>
<td>W</td>
</tr>
</tbody>
</table>

Total Number Reported: 84

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

**Matrix:** AI  
**Radionuclide:** GA  
**EML Value:** 3.220  
**EML Error:** 0.240

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>3.220</td>
<td>0.240</td>
<td>1.00</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>3.680</td>
<td>0.460</td>
<td>1.14</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>3.900</td>
<td>0.120</td>
<td>1.24</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>4.260</td>
<td>0.210</td>
<td>1.32</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>4.550</td>
<td>0.110</td>
<td>1.41</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>3.540</td>
<td>0.000</td>
<td>1.10</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>3.130</td>
<td>0.080</td>
<td>0.87</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>3.870</td>
<td>0.310</td>
<td>1.28</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>3.620</td>
<td>0.160</td>
<td>1.12</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>3.100</td>
<td>0.100</td>
<td>0.96</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>3.570</td>
<td>0.090</td>
<td>1.11</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>3.870</td>
<td>0.080</td>
<td>1.20</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>3.810</td>
<td>0.090</td>
<td>1.18</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>3.690</td>
<td>0.000</td>
<td>1.15</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>4.000</td>
<td>0.300</td>
<td>1.24</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>7.740</td>
<td>1.340</td>
<td>2.40</td>
<td>0.45</td>
<td>N</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>3.220</td>
<td>0.028</td>
<td>1.00</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>4.000</td>
<td>0.130</td>
<td>1.24</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>3.820</td>
<td>0.130</td>
<td>1.19</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>3.120</td>
<td>0.190</td>
<td>0.97</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>6.130</td>
<td>0.078</td>
<td>1.90</td>
<td>0.14</td>
<td>N</td>
</tr>
<tr>
<td>HC</td>
<td>1</td>
<td>4.800</td>
<td>0.300</td>
<td>1.49</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>3.260</td>
<td>0.100</td>
<td>1.01</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>4.200</td>
<td>0.200</td>
<td>1.30</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>3.660</td>
<td>0.030</td>
<td>1.14</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>IR</td>
<td>1</td>
<td>4.870</td>
<td>0.000</td>
<td>1.51</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>5.190</td>
<td>0.510</td>
<td>1.61</td>
<td>0.20</td>
<td>N</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>4.110</td>
<td>0.210</td>
<td>1.28</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>4.410</td>
<td>0.110</td>
<td>1.37</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>3.700</td>
<td>0.740</td>
<td>1.15</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>LB</td>
<td>3</td>
<td>3.700</td>
<td>0.740</td>
<td>1.15</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>LD</td>
<td>3</td>
<td>3.700</td>
<td>0.740</td>
<td>1.15</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>3.800</td>
<td>0.500</td>
<td>1.21</td>
<td>0.18</td>
<td>W</td>
</tr>
<tr>
<td>LG</td>
<td>1</td>
<td>5.410</td>
<td>0.290</td>
<td>1.68</td>
<td>0.15</td>
<td>N</td>
</tr>
<tr>
<td>LM</td>
<td>1</td>
<td>4.100</td>
<td>0.400</td>
<td>1.27</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>131.000</td>
<td>2.000</td>
<td>40.70</td>
<td>3.10</td>
<td>N</td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>3.240</td>
<td>0.260</td>
<td>1.01</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>MB</td>
<td>1</td>
<td>2.070</td>
<td>0.200</td>
<td>0.64</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>MT</td>
<td>1</td>
<td>3.200</td>
<td>0.100</td>
<td>1.03</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>3.450</td>
<td>0.053</td>
<td>1.08</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>1.890</td>
<td>0.590</td>
<td>0.62</td>
<td>0.19</td>
<td>W</td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>3.700</td>
<td>0.000</td>
<td>1.15</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>SC</td>
<td>2</td>
<td>3.700</td>
<td>0.030</td>
<td>1.15</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>3.640</td>
<td>0.200</td>
<td>1.13</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>3.390</td>
<td>0.078</td>
<td>1.06</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>3.500</td>
<td>0.100</td>
<td>1.09</td>
<td>0.09</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/meter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: AI
Radionuclide: GA

EML Value: 3.220
EML Error: 0.240

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>TN</td>
<td>1</td>
<td>4.110</td>
<td>0.070</td>
<td>1.28</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>4.700</td>
<td>0.054</td>
<td>1.46</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>TY</td>
<td>1</td>
<td>3.800</td>
<td>1.200</td>
<td>1.18</td>
<td>0.38</td>
<td>A</td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>3.800</td>
<td>0.130</td>
<td>1.18</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>3.900</td>
<td>0.200</td>
<td>1.21</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>3.450</td>
<td>0.080</td>
<td>1.07</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>3.700</td>
<td>0.370</td>
<td>1.15</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>WV</td>
<td>1</td>
<td>3.100</td>
<td>6.000</td>
<td>0.96</td>
<td>1.86</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>3.410</td>
<td>0.011</td>
<td>1.06</td>
<td>0.08</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 55

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>1.850</td>
<td>0.139</td>
<td>1.00</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>2.360</td>
<td>0.240</td>
<td>1.28</td>
<td>0.16</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>2.360</td>
<td>0.230</td>
<td>1.28</td>
<td>0.16</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>1.920</td>
<td>0.100</td>
<td>1.04</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>1.750</td>
<td>0.050</td>
<td>0.95</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>3.570</td>
<td>0.000</td>
<td>1.93</td>
<td>0.15</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>2.010</td>
<td>0.000</td>
<td>1.09</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>2.970</td>
<td>0.120</td>
<td>1.61</td>
<td>0.14</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>3.660</td>
<td>0.000</td>
<td>1.98</td>
<td>0.15</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>1.700</td>
<td>0.100</td>
<td>0.92</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>1.390</td>
<td>0.005</td>
<td>0.75</td>
<td>0.07</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>2.340</td>
<td>0.080</td>
<td>1.27</td>
<td>0.10</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>3.600</td>
<td>0.080</td>
<td>1.96</td>
<td>0.15</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>1.720</td>
<td>0.000</td>
<td>0.93</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>2.800</td>
<td>0.400</td>
<td>1.51</td>
<td>0.24</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>2.890</td>
<td>0.500</td>
<td>1.66</td>
<td>0.23</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>1.560</td>
<td>0.017</td>
<td>0.84</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>1.000</td>
<td>0.120</td>
<td>0.54</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>2.510</td>
<td>0.050</td>
<td>1.36</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>2.380</td>
<td>0.150</td>
<td>1.29</td>
<td>0.13</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>2.440</td>
<td>0.037</td>
<td>1.32</td>
<td>0.10</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>HC</td>
<td>1</td>
<td>2.600</td>
<td>0.200</td>
<td>1.41</td>
<td>0.15</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>1.720</td>
<td>0.320</td>
<td>0.93</td>
<td>0.19</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>1.800</td>
<td>0.100</td>
<td>0.97</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>1.680</td>
<td>0.020</td>
<td>0.81</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IR</td>
<td>1</td>
<td>1.640</td>
<td>0.000</td>
<td>0.89</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>1.770</td>
<td>0.170</td>
<td>0.96</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>1.640</td>
<td>0.080</td>
<td>0.89</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>2.460</td>
<td>0.060</td>
<td>1.33</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>2.220</td>
<td>0.296</td>
<td>1.20</td>
<td>0.18</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>2.180</td>
<td>0.296</td>
<td>1.18</td>
<td>0.18</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>2.260</td>
<td>0.296</td>
<td>1.22</td>
<td>0.18</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>2.200</td>
<td>0.400</td>
<td>1.19</td>
<td>0.23</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>2.020</td>
<td>0.110</td>
<td>1.09</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LM</td>
<td>1</td>
<td>0.340</td>
<td>0.030</td>
<td>0.18</td>
<td>0.02</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>66.000</td>
<td>1.200</td>
<td>35.70</td>
<td>2.76</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>1.160</td>
<td>0.080</td>
<td>0.63</td>
<td>0.06</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>OB</td>
<td>1</td>
<td>1.650</td>
<td>0.200</td>
<td>0.89</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>GT</td>
<td>1</td>
<td>2.100</td>
<td>0.100</td>
<td>1.14</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>2.470</td>
<td>0.045</td>
<td>1.34</td>
<td>0.10</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>1.040</td>
<td>0.250</td>
<td>0.56</td>
<td>0.14</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>1.730</td>
<td>0.000</td>
<td>0.94</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SC</td>
<td>2</td>
<td>1.730</td>
<td>0.030</td>
<td>0.94</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>1.590</td>
<td>0.070</td>
<td>0.98</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>1.410</td>
<td>0.064</td>
<td>0.76</td>
<td>0.07</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>TL</td>
<td>1</td>
<td>1.900</td>
<td>0.100</td>
<td>1.03</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
Results by Nuclide

Matrix: AI
Radionuclide: GB

EML Value: 1.850
EML Error: 0.139

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>TN</td>
<td>1</td>
<td>1.800</td>
<td>0.056</td>
<td>0.97</td>
<td>0.08</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>2.570</td>
<td>0.046</td>
<td>1.39</td>
<td>0.11</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TY</td>
<td>1</td>
<td>2.000</td>
<td>0.200</td>
<td>1.08</td>
<td>0.14</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>1.800</td>
<td>0.050</td>
<td>0.87</td>
<td>0.07</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>2.600</td>
<td>0.300</td>
<td>1.41</td>
<td>0.19</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>2.530</td>
<td>0.060</td>
<td>1.37</td>
<td>0.11</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>2.620</td>
<td>0.262</td>
<td>1.42</td>
<td>0.18</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WV</td>
<td>1</td>
<td>2.200</td>
<td>4.000</td>
<td>1.19</td>
<td>2.16</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>1.760</td>
<td>0.026</td>
<td>0.95</td>
<td>0.07</td>
<td>A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Number Reported: 55

Units for matrices: AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L.  Values for elemental uranium are reported in pg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
**Results by Nuclide**

Matrix: AI  
Radionuclide: MN  
EML Value: 4.710  
EML Error: 0.470

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>4.710</td>
<td>0.470</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>3.770</td>
<td>0.200</td>
<td>0.80</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>3.640</td>
<td>0.360</td>
<td>0.77</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>3.860</td>
<td>0.160</td>
<td>0.82</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>4.150</td>
<td>0.094</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>3.800</td>
<td>0.330</td>
<td>0.91</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>3.530</td>
<td>0.380</td>
<td>1.17</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>4.510</td>
<td>0.360</td>
<td>0.98</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>5.100</td>
<td>0.800</td>
<td>1.08</td>
<td>0.20</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>4.470</td>
<td>0.440</td>
<td>0.95</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>4.880</td>
<td>0.640</td>
<td>1.04</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>4.070</td>
<td>0.200</td>
<td>0.86</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>4.310</td>
<td>0.300</td>
<td>0.92</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>4.700</td>
<td>0.920</td>
<td>1.00</td>
<td>0.22</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>4.520</td>
<td>0.870</td>
<td>0.96</td>
<td>0.21</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>4.260</td>
<td>0.130</td>
<td>0.90</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>4.700</td>
<td>0.300</td>
<td>1.00</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>3.850</td>
<td>0.000</td>
<td>0.82</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>3.600</td>
<td>0.160</td>
<td>0.76</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>3.740</td>
<td>0.180</td>
<td>0.79</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>3.560</td>
<td>0.224</td>
<td>0.76</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>4.220</td>
<td>0.510</td>
<td>0.90</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>4.710</td>
<td>0.780</td>
<td>1.00</td>
<td>0.19</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>4.010</td>
<td>0.200</td>
<td>0.95</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>4.630</td>
<td>0.000</td>
<td>0.98</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>4.460</td>
<td>4.94</td>
<td>0.98</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>4.100</td>
<td>0.300</td>
<td>0.87</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>4.980</td>
<td>0.200</td>
<td>1.06</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>5.200</td>
<td>0.661</td>
<td>1.10</td>
<td>0.18</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>3.980</td>
<td>0.170</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>3.600</td>
<td>0.216</td>
<td>0.76</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>4.500</td>
<td>0.460</td>
<td>0.96</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>3.910</td>
<td>0.070</td>
<td>0.93</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>FM</td>
<td>1</td>
<td>4.150</td>
<td>0.130</td>
<td>0.98</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>4.270</td>
<td>0.380</td>
<td>0.91</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>3.730</td>
<td>0.000</td>
<td>0.79</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>3.840</td>
<td>0.520</td>
<td>0.82</td>
<td>0.14</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>3.590</td>
<td>0.160</td>
<td>0.76</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>4.800</td>
<td>0.300</td>
<td>1.02</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>3.750</td>
<td>0.240</td>
<td>0.99</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>3.740</td>
<td>0.340</td>
<td>0.79</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>3.780</td>
<td>0.260</td>
<td>0.80</td>
<td>0.10</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>3.830</td>
<td>0.180</td>
<td>0.81</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>4.240</td>
<td>0.350</td>
<td>0.90</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>4.060</td>
<td>0.340</td>
<td>0.86</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>4.200</td>
<td>0.360</td>
<td>0.89</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/CP  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluations: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: AI
Radionuclide: MN 54

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB</td>
<td>1</td>
<td>3.700</td>
<td>1.500</td>
<td>0.79</td>
<td>0.33</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>4.410</td>
<td>1.770</td>
<td>0.94</td>
<td>0.39</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>4.140</td>
<td>0.183</td>
<td>0.88</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LM</td>
<td>1</td>
<td>7.600</td>
<td>0.670</td>
<td>1.61</td>
<td>0.22</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>6.220</td>
<td>0.140</td>
<td>1.47</td>
<td>0.15</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>MI</td>
<td>1</td>
<td>3.500</td>
<td>0.192</td>
<td>0.74</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>6.310</td>
<td>0.080</td>
<td>1.34</td>
<td>0.14</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>4.330</td>
<td>0.210</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>3.700</td>
<td>0.100</td>
<td>0.79</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>3.760</td>
<td>0.280</td>
<td>0.80</td>
<td>0.10</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>OI</td>
<td>1</td>
<td>8.500</td>
<td>0.200</td>
<td>1.81</td>
<td>0.19</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>4.100</td>
<td>0.280</td>
<td>0.87</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>4.300</td>
<td>0.300</td>
<td>0.91</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>OS</td>
<td>1</td>
<td>4.070</td>
<td>0.110</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>4.500</td>
<td>0.300</td>
<td>0.96</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>4.000</td>
<td>0.490</td>
<td>0.86</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>4.020</td>
<td>0.583</td>
<td>0.85</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>4.070</td>
<td>0.440</td>
<td>0.86</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SA</td>
<td>1</td>
<td>5.300</td>
<td>0.500</td>
<td>1.13</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>3.700</td>
<td>0.260</td>
<td>0.79</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>3.100</td>
<td>0.500</td>
<td>0.86</td>
<td>0.13</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>SS</td>
<td>1</td>
<td>4.700</td>
<td>0.500</td>
<td>1.00</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>3.910</td>
<td>0.210</td>
<td>0.83</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>3.400</td>
<td>0.300</td>
<td>0.72</td>
<td>0.10</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>4.400</td>
<td>0.280</td>
<td>0.93</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>4.280</td>
<td>0.184</td>
<td>0.91</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>5.240</td>
<td>0.422</td>
<td>1.11</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>2.780</td>
<td>0.140</td>
<td>0.59</td>
<td>0.07</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>3.600</td>
<td>0.602</td>
<td>0.76</td>
<td>0.15</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>4.850</td>
<td>0.220</td>
<td>1.03</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>3.990</td>
<td>0.699</td>
<td>0.95</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>WI</td>
<td>1</td>
<td>3.880</td>
<td>0.516</td>
<td>0.82</td>
<td>0.14</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>3.580</td>
<td>0.300</td>
<td>0.76</td>
<td>0.10</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>4.180</td>
<td>0.410</td>
<td>0.89</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>3.500</td>
<td>0.240</td>
<td>0.74</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
</tbody>
</table>

Total Number Reported: 81

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

**Matrix:** AI  
**Radionuclide:** PU238  
**EML Value:** 0.122  
**EML Error:** 0.004

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.122</td>
<td>0.004</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>0.115</td>
<td>0.009</td>
<td>0.94</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>0.104</td>
<td>0.010</td>
<td>0.85</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>0.059</td>
<td>0.007</td>
<td>0.48</td>
<td>0.06</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>0.125</td>
<td>0.022</td>
<td>1.03</td>
<td>0.18</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>0.123</td>
<td>0.040</td>
<td>1.01</td>
<td>0.33</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>0.109</td>
<td>0.012</td>
<td>0.89</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>0.120</td>
<td>0.020</td>
<td>0.98</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>0.119</td>
<td>0.005</td>
<td>0.98</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>0.120</td>
<td>0.010</td>
<td>0.98</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>2</td>
<td>0.120</td>
<td>0.010</td>
<td>1.07</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>0.108</td>
<td>0.008</td>
<td>0.89</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>0.127</td>
<td>0.000</td>
<td>1.04</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>0.123</td>
<td>0.010</td>
<td>1.01</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>0.134</td>
<td>0.024</td>
<td>1.10</td>
<td>0.20</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>0.126</td>
<td>0.080</td>
<td>1.03</td>
<td>0.66</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>0.124</td>
<td>0.000</td>
<td>1.02</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>0.117</td>
<td>0.013</td>
<td>0.96</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>0.128</td>
<td>0.014</td>
<td>1.05</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>0.090</td>
<td>0.050</td>
<td>0.74</td>
<td>0.41</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>0.122</td>
<td>0.011</td>
<td>1.00</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>0.113</td>
<td>0.003</td>
<td>0.93</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>0.110</td>
<td>0.000</td>
<td>0.90</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>0.140</td>
<td>0.020</td>
<td>1.15</td>
<td>0.17</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>0.137</td>
<td>0.033</td>
<td>1.12</td>
<td>0.27</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>0.116</td>
<td>0.024</td>
<td>0.95</td>
<td>0.20</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>0.127</td>
<td>0.008</td>
<td>1.04</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>0.129</td>
<td>0.015</td>
<td>1.06</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>0.116</td>
<td>0.014</td>
<td>0.95</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>0.104</td>
<td>0.013</td>
<td>0.85</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>0.153</td>
<td>0.022</td>
<td>1.25</td>
<td>0.19</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>0.116</td>
<td>0.019</td>
<td>0.95</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>0.125</td>
<td>0.006</td>
<td>1.03</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>0.110</td>
<td>0.010</td>
<td>0.90</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>0.120</td>
<td>0.010</td>
<td>0.98</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>NR</td>
<td>1</td>
<td>0.130</td>
<td>0.010</td>
<td>1.07</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>0.120</td>
<td>0.020</td>
<td>0.98</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>0.130</td>
<td>0.022</td>
<td>1.07</td>
<td>0.18</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PI</td>
<td>2</td>
<td>0.122</td>
<td>0.010</td>
<td>1.00</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>0.073</td>
<td>0.014</td>
<td>0.66</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>0.119</td>
<td>0.012</td>
<td>0.98</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>0.083</td>
<td>0.003</td>
<td>0.52</td>
<td>0.03</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>0.240</td>
<td>0.030</td>
<td>1.97</td>
<td>0.26</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>0.120</td>
<td>0.030</td>
<td>0.98</td>
<td>0.25</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>0.117</td>
<td>0.007</td>
<td>0.96</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI= Bq/filter, SO= Bq/kg, VE= Bq/kg, WA = Bq/L. Values for elemental uranium are reported in %/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
Results by Nuclide

Matrix: AI  
Radionuclide: PU238

EML Value: 0.122  
EML Error: 0.004

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>TN</td>
<td>1</td>
<td>0.131</td>
<td>0.008</td>
<td>1.07</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>0.105</td>
<td>0.036</td>
<td>0.86</td>
<td>0.30</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.122</td>
<td>0.020</td>
<td>1.00</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>0.125</td>
<td>0.030</td>
<td>1.03</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>0.121</td>
<td>0.014</td>
<td>0.99</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>0.130</td>
<td>0.037</td>
<td>1.07</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>0.137</td>
<td>0.004</td>
<td>1.12</td>
<td>0.05</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 53

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: AI  
Radionuclide: PU239

EML Value: 0.062  
EML Error: 0.002

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.062</td>
<td>0.002</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>0.068</td>
<td>0.006</td>
<td>1.09</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>0.080</td>
<td>0.006</td>
<td>0.96</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>0.080</td>
<td>0.009</td>
<td>0.96</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>0.360</td>
<td>0.060</td>
<td>5.78</td>
<td>0.98</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>0.032</td>
<td>0.004</td>
<td>0.51</td>
<td>0.07</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>0.068</td>
<td>0.016</td>
<td>1.09</td>
<td>0.26</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>0.056</td>
<td>0.025</td>
<td>0.90</td>
<td>0.40</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>0.058</td>
<td>0.009</td>
<td>0.94</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>0.051</td>
<td>0.014</td>
<td>0.82</td>
<td>0.23</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>0.068</td>
<td>0.004</td>
<td>1.09</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>0.070</td>
<td>0.010</td>
<td>1.12</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>2</td>
<td>0.070</td>
<td>0.010</td>
<td>1.12</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>0.059</td>
<td>0.007</td>
<td>0.95</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>0.056</td>
<td>0.004</td>
<td>0.90</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>0.055</td>
<td>0.000</td>
<td>0.98</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>0.060</td>
<td>0.006</td>
<td>0.96</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>0.085</td>
<td>0.020</td>
<td>1.37</td>
<td>0.33</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>0.124</td>
<td>0.040</td>
<td>1.99</td>
<td>0.65</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>0.058</td>
<td>0.000</td>
<td>0.93</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>0.062</td>
<td>0.008</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>0.068</td>
<td>0.008</td>
<td>1.08</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>0.060</td>
<td>0.020</td>
<td>0.96</td>
<td>0.32</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>0.063</td>
<td>0.007</td>
<td>1.01</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>0.062</td>
<td>0.002</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>0.059</td>
<td>0.000</td>
<td>0.95</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>0.070</td>
<td>0.010</td>
<td>1.12</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>0.096</td>
<td>0.027</td>
<td>1.54</td>
<td>0.44</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>0.072</td>
<td>0.017</td>
<td>1.16</td>
<td>0.28</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>0.054</td>
<td>0.004</td>
<td>0.87</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>0.073</td>
<td>0.009</td>
<td>1.17</td>
<td>0.15</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>0.078</td>
<td>0.010</td>
<td>1.25</td>
<td>0.17</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>0.074</td>
<td>0.010</td>
<td>1.19</td>
<td>0.17</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>0.088</td>
<td>0.016</td>
<td>1.41</td>
<td>0.26</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>0.060</td>
<td>0.012</td>
<td>0.96</td>
<td>0.19</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>0.200</td>
<td>0.030</td>
<td>3.21</td>
<td>0.49</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>0.067</td>
<td>0.005</td>
<td>1.08</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>0.070</td>
<td>0.010</td>
<td>1.12</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>0.064</td>
<td>0.005</td>
<td>1.03</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>0.065</td>
<td>0.008</td>
<td>1.04</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>0.070</td>
<td>0.013</td>
<td>1.12</td>
<td>0.21</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>0.100</td>
<td>0.010</td>
<td>1.61</td>
<td>0.17</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>PB</td>
<td>1</td>
<td>0.110</td>
<td>0.050</td>
<td>1.77</td>
<td>0.80</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>0.067</td>
<td>0.016</td>
<td>1.08</td>
<td>0.26</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PI</td>
<td>2</td>
<td>0.062</td>
<td>0.007</td>
<td>0.99</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>0.070</td>
<td>0.013</td>
<td>1.12</td>
<td>0.21</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L.  Values for elemental uranium are reported in μg/filter, g, or mL.  Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: AI  
Radionuclide: PU239

EML Value: 0.062  
EML Error: 0.002

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF</td>
<td>1</td>
<td>0.060</td>
<td>0.006</td>
<td>0.97</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>0.033</td>
<td>0.002</td>
<td>0.53</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>0.160</td>
<td>0.020</td>
<td>2.57</td>
<td>0.33</td>
<td>N</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>0.045</td>
<td>0.017</td>
<td>0.72</td>
<td>0.27</td>
<td>W</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>0.059</td>
<td>0.004</td>
<td>0.95</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>0.058</td>
<td>0.005</td>
<td>0.92</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>0.232</td>
<td>0.059</td>
<td>3.72</td>
<td>0.95</td>
<td>N</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.086</td>
<td>0.014</td>
<td>1.06</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>0.061</td>
<td>0.019</td>
<td>0.98</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>0.085</td>
<td>0.008</td>
<td>1.04</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>0.044</td>
<td>0.022</td>
<td>0.71</td>
<td>0.35</td>
<td>W</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>0.065</td>
<td>0.003</td>
<td>1.04</td>
<td>0.06</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 58

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: AI
Radionuclide: SB125

EML Value: 9.420
EML Error: 0.942

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error Evaluate</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>9.420</td>
<td>0.942</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>8.370</td>
<td>0.920</td>
<td>0.89</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>7.840</td>
<td>0.780</td>
<td>0.76</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>6.130</td>
<td>0.280</td>
<td>0.86</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>6.610</td>
<td>0.247</td>
<td>0.91</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>8.140</td>
<td>0.780</td>
<td>0.86</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>10.200</td>
<td>0.320</td>
<td>0.88</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>8.290</td>
<td>0.960</td>
<td>0.88</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>9.500</td>
<td>1.400</td>
<td>1.00</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>10.000</td>
<td>0.580</td>
<td>0.66</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>3.000</td>
<td>0.220</td>
<td>0.66</td>
<td>0.10</td>
<td>N</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>8.330</td>
<td>0.590</td>
<td>0.88</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>8.840</td>
<td>0.620</td>
<td>0.94</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>9.330</td>
<td>1.170</td>
<td>0.88</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>9.560</td>
<td>1.930</td>
<td>1.02</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>7.300</td>
<td>0.170</td>
<td>0.78</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>8.580</td>
<td>0.000</td>
<td>0.91</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>8.200</td>
<td>0.400</td>
<td>0.87</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>3.780</td>
<td>0.330</td>
<td>0.40</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>7.670</td>
<td>0.552</td>
<td>0.81</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>10.000</td>
<td>1.460</td>
<td>1.06</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>10.400</td>
<td>1.300</td>
<td>1.00</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>6.040</td>
<td>0.190</td>
<td>0.64</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>6.170</td>
<td>0.000</td>
<td>0.67</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>8.970</td>
<td>1.020</td>
<td>0.96</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>9.500</td>
<td>0.700</td>
<td>0.93</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>3.880</td>
<td>0.200</td>
<td>0.41</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>10.400</td>
<td>1.520</td>
<td>1.10</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>7.780</td>
<td>0.250</td>
<td>0.83</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>7.850</td>
<td>0.239</td>
<td>0.83</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>9.280</td>
<td>0.800</td>
<td>0.99</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>8.400</td>
<td>0.100</td>
<td>0.89</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>FM</td>
<td>1</td>
<td>8.280</td>
<td>0.150</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>9.630</td>
<td>0.560</td>
<td>1.02</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>8.310</td>
<td>0.000</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>6.360</td>
<td>0.860</td>
<td>0.68</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>5.010</td>
<td>0.860</td>
<td>0.53</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>11.000</td>
<td>0.600</td>
<td>1.17</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>8.640</td>
<td>0.220</td>
<td>0.82</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>7.770</td>
<td>0.540</td>
<td>0.83</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>8.430</td>
<td>0.250</td>
<td>0.90</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>9.020</td>
<td>0.750</td>
<td>0.95</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>8.980</td>
<td>0.750</td>
<td>0.95</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>8.770</td>
<td>0.770</td>
<td>0.93</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>6.800</td>
<td>1.700</td>
<td>0.72</td>
<td>0.19</td>
<td>W</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>7.940</td>
<td>1.720</td>
<td>0.84</td>
<td>0.20</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/meter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.

200
# Results by Nuclide

**Matrix:** AI  
**Radionuclide:** SB125  

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL</td>
<td>1</td>
<td>8.960</td>
<td>0.310</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>LM</td>
<td>1</td>
<td>14.000</td>
<td>1.300</td>
<td>1.49</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>8.870</td>
<td>0.100</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>14.000</td>
<td>0.170</td>
<td>1.49</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>9.080</td>
<td>0.360</td>
<td>0.96</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>2.200</td>
<td>0.400</td>
<td>0.23</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>7.640</td>
<td>0.310</td>
<td>0.81</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>8.260</td>
<td>0.820</td>
<td>0.88</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>10.300</td>
<td>0.800</td>
<td>1.09</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>OS</td>
<td>1</td>
<td>9.220</td>
<td>0.800</td>
<td>0.98</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>9.700</td>
<td>0.900</td>
<td>1.03</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>9.000</td>
<td>0.600</td>
<td>0.96</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>9.400</td>
<td>1.410</td>
<td>1.00</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>4.850</td>
<td>0.800</td>
<td>0.52</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>SA</td>
<td>1</td>
<td>11.400</td>
<td>1.100</td>
<td>1.21</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>8.500</td>
<td>0.600</td>
<td>0.90</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>6.800</td>
<td>1.000</td>
<td>0.73</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>SS</td>
<td>1</td>
<td>8.300</td>
<td>0.800</td>
<td>0.99</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>8.380</td>
<td>0.340</td>
<td>0.89</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>7.700</td>
<td>1.000</td>
<td>0.82</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>9.250</td>
<td>0.600</td>
<td>0.98</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>9.190</td>
<td>0.522</td>
<td>0.98</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>11.600</td>
<td>0.704</td>
<td>1.23</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>10.300</td>
<td>0.400</td>
<td>1.08</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>8.610</td>
<td>0.660</td>
<td>0.91</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>WI</td>
<td>1</td>
<td>8.720</td>
<td>0.720</td>
<td>0.93</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>8.030</td>
<td>0.800</td>
<td>0.85</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>8.650</td>
<td>0.855</td>
<td>0.92</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>7.680</td>
<td>0.180</td>
<td>0.82</td>
<td>0.08</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 75

---

Units for matrices: Al=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** AI  
**Radionuclide:** SR 90  
**EML Value:** 0.739  
**EML Error:** 0.054

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.739</td>
<td>0.054</td>
<td>1.00</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>0.790</td>
<td>0.010</td>
<td>1.07</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>0.737</td>
<td>0.035</td>
<td>1.00</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>0.737</td>
<td>0.074</td>
<td>1.00</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>0.786</td>
<td>0.014</td>
<td>1.06</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>0.807</td>
<td>0.099</td>
<td>1.09</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>0.789</td>
<td>0.130</td>
<td>1.05</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>0.770</td>
<td>0.009</td>
<td>1.04</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>0.762</td>
<td>0.093</td>
<td>1.03</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>0.620</td>
<td>0.320</td>
<td>0.84</td>
<td>0.44</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>0.700</td>
<td>0.110</td>
<td>0.95</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>0.940</td>
<td>0.090</td>
<td>1.27</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>0.903</td>
<td>0.000</td>
<td>1.22</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>0.780</td>
<td>0.040</td>
<td>1.05</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>0.792</td>
<td>0.127</td>
<td>1.07</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>0.930</td>
<td>0.490</td>
<td>1.26</td>
<td>0.67</td>
<td>A</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>1.150</td>
<td>0.290</td>
<td>1.56</td>
<td>0.41</td>
<td>W</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>0.670</td>
<td>0.000</td>
<td>0.91</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>0.981</td>
<td>0.228</td>
<td>1.33</td>
<td>0.32</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>1.140</td>
<td>0.100</td>
<td>1.84</td>
<td>0.18</td>
<td>W</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>3.550</td>
<td>0.620</td>
<td>4.80</td>
<td>0.91</td>
<td>N</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>0.618</td>
<td>0.031</td>
<td>0.84</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>0.840</td>
<td>0.030</td>
<td>0.87</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>1.000</td>
<td>0.100</td>
<td>1.36</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>0.363</td>
<td>0.037</td>
<td>0.49</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>0.384</td>
<td>0.047</td>
<td>0.52</td>
<td>0.07</td>
<td>N</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>0.770</td>
<td>0.160</td>
<td>1.04</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>0.900</td>
<td>0.140</td>
<td>1.22</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>0.890</td>
<td>0.140</td>
<td>1.20</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>0.810</td>
<td>0.100</td>
<td>1.10</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>0.730</td>
<td>0.010</td>
<td>0.99</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>GI</td>
<td>1</td>
<td>1.230</td>
<td>0.070</td>
<td>1.66</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>0.780</td>
<td>0.060</td>
<td>1.05</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>0.810</td>
<td>0.120</td>
<td>1.10</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>0.690</td>
<td>0.093</td>
<td>0.82</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>0.888</td>
<td>0.067</td>
<td>1.17</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>0.829</td>
<td>0.208</td>
<td>1.12</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>3.440</td>
<td>0.270</td>
<td>4.66</td>
<td>0.50</td>
<td>N</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>0.770</td>
<td>0.150</td>
<td>1.04</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>0.875</td>
<td>0.108</td>
<td>1.18</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>TY</td>
<td>1</td>
<td>0.720</td>
<td>0.100</td>
<td>0.97</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>0.707</td>
<td>0.205</td>
<td>0.96</td>
<td>0.28</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.910</td>
<td>0.150</td>
<td>1.23</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>0.827</td>
<td>0.106</td>
<td>1.12</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>0.740</td>
<td>0.074</td>
<td>1.00</td>
<td>0.12</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: Al=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>YA</td>
<td>1</td>
<td>0.807</td>
<td>0.052</td>
<td>1.09</td>
<td>0.11</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 47

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: AI
Radionuclide: U 234

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.059</td>
<td>0.002</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>0.104</td>
<td>0.010</td>
<td>1.76</td>
<td>0.18</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>0.070</td>
<td>0.004</td>
<td>1.19</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>0.069</td>
<td>0.015</td>
<td>1.17</td>
<td>0.26</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>0.052</td>
<td>0.024</td>
<td>0.88</td>
<td>0.41</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>0.074</td>
<td>0.000</td>
<td>1.25</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>0.067</td>
<td>0.003</td>
<td>1.14</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>0.030</td>
<td>0.000</td>
<td>0.51</td>
<td>0.01</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>0.069</td>
<td>0.008</td>
<td>1.17</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>0.083</td>
<td>0.009</td>
<td>1.40</td>
<td>0.04</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>0.069</td>
<td>0.006</td>
<td>1.17</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>0.063</td>
<td>0.012</td>
<td>1.07</td>
<td>0.21</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>0.124</td>
<td>0.010</td>
<td>2.10</td>
<td>0.18</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>0.094</td>
<td>0.000</td>
<td>1.59</td>
<td>0.04</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>0.720</td>
<td>0.040</td>
<td>12.20</td>
<td>0.75</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>0.110</td>
<td>0.020</td>
<td>1.86</td>
<td>0.34</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>0.130</td>
<td>0.020</td>
<td>2.20</td>
<td>0.34</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>0.070</td>
<td>0.118</td>
<td>1.19</td>
<td>2.00</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>0.101</td>
<td>0.054</td>
<td>1.71</td>
<td>0.92</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>0.064</td>
<td>0.014</td>
<td>1.09</td>
<td>0.24</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>0.068</td>
<td>0.004</td>
<td>1.15</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>0.120</td>
<td>0.010</td>
<td>2.03</td>
<td>0.18</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>0.075</td>
<td>0.007</td>
<td>1.27</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>0.080</td>
<td>0.010</td>
<td>1.36</td>
<td>0.17</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>PB</td>
<td>1</td>
<td>0.090</td>
<td>0.040</td>
<td>1.53</td>
<td>0.69</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>0.064</td>
<td>0.012</td>
<td>1.09</td>
<td>0.21</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>0.051</td>
<td>0.005</td>
<td>0.87</td>
<td>0.16</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>0.071</td>
<td>0.014</td>
<td>1.20</td>
<td>0.24</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>0.066</td>
<td>0.005</td>
<td>1.10</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.085</td>
<td>0.011</td>
<td>1.44</td>
<td>0.19</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>0.059</td>
<td>0.010</td>
<td>1.00</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>0.110</td>
<td>0.030</td>
<td>1.86</td>
<td>0.51</td>
<td>N</td>
<td></td>
</tr>
</tbody>
</table>

Total Number Reported: 32

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg. WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: AI  
Radionuclide: U 235

EML Value: 0.030  
EML Error: 0.009

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Error EML</th>
<th>Radio Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.030</td>
<td>0.009</td>
<td>1.00</td>
<td>0.42</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>0.042</td>
<td>0.002</td>
<td>1.39</td>
<td>0.42</td>
<td>W</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>0.039</td>
<td>0.003</td>
<td>1.29</td>
<td>0.40</td>
<td>W</td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>0.041</td>
<td>0.001</td>
<td>1.34</td>
<td>0.40</td>
<td>W</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>0.030</td>
<td>0.010</td>
<td>0.99</td>
<td>0.44</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>0.034</td>
<td>0.004</td>
<td>1.12</td>
<td>0.36</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.027</td>
<td>0.006</td>
<td>0.89</td>
<td>0.33</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>0.038</td>
<td>0.003</td>
<td>1.25</td>
<td>0.39</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 8

Units for matrices: AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
# Results by Nuclide

**Matrix:** AI  
**Radionuclide:** U 238  
**EML Value:** 0.002  
**EML Error:** 0.000

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.002</td>
<td>0.000</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>0.045</td>
<td>0.005</td>
<td>22.50</td>
<td>3.36</td>
<td>N</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>0.110</td>
<td>0.110</td>
<td>55.00</td>
<td>55.30</td>
<td>N</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>0.019</td>
<td>0.008</td>
<td>9.35</td>
<td>4.01</td>
<td>N</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>0.005</td>
<td>0.009</td>
<td>2.60</td>
<td>4.51</td>
<td>N</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>0.029</td>
<td>0.000</td>
<td>14.50</td>
<td>1.45</td>
<td>N</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>0.003</td>
<td>0.001</td>
<td>1.70</td>
<td>0.67</td>
<td>W</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>0.004</td>
<td>0.001</td>
<td>2.00</td>
<td>0.54</td>
<td>N</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>0.032</td>
<td>0.086</td>
<td>15.90</td>
<td>43.20</td>
<td>N</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>0.038</td>
<td>0.004</td>
<td>19.00</td>
<td>2.76</td>
<td>N</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>0.019</td>
<td>0.000</td>
<td>9.65</td>
<td>0.97</td>
<td>N</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>0.100</td>
<td>0.010</td>
<td>50.00</td>
<td>7.07</td>
<td>N</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>0.006</td>
<td>0.003</td>
<td>3.00</td>
<td>1.53</td>
<td>N</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>0.008</td>
<td>0.013</td>
<td>3.95</td>
<td>6.61</td>
<td>N</td>
</tr>
<tr>
<td>IR</td>
<td>1</td>
<td>1.400</td>
<td>0.070</td>
<td>700.00</td>
<td>78.30</td>
<td>N</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>0.020</td>
<td>0.005</td>
<td>9.85</td>
<td>2.78</td>
<td>N</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>0.011</td>
<td>0.006</td>
<td>5.50</td>
<td>3.05</td>
<td>N</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>0.035</td>
<td>0.010</td>
<td>17.50</td>
<td>5.30</td>
<td>N</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>0.008</td>
<td>0.001</td>
<td>3.75</td>
<td>0.55</td>
<td>N</td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>0.020</td>
<td>0.010</td>
<td>10.00</td>
<td>5.10</td>
<td>N</td>
</tr>
<tr>
<td>PB</td>
<td>1</td>
<td>0.028</td>
<td>0.020</td>
<td>14.00</td>
<td>10.10</td>
<td>N</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>0.005</td>
<td>0.004</td>
<td>2.40</td>
<td>1.82</td>
<td>N</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>0.007</td>
<td>0.002</td>
<td>3.38</td>
<td>1.27</td>
<td>N</td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>0.004</td>
<td>0.002</td>
<td>1.86</td>
<td>0.92</td>
<td>W</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>0.005</td>
<td>0.001</td>
<td>2.41</td>
<td>0.61</td>
<td>N</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.030</td>
<td>0.007</td>
<td>15.00</td>
<td>3.81</td>
<td>N</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>0.002</td>
<td>0.001</td>
<td>1.10</td>
<td>0.43</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 27

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in g/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Nuclide

**Matrix:** AI  
**Radionuclide:** U Bq  
**EML Value:** 0.091  
**EML Error:** 0.005

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Value (Bq)</th>
<th>Error (Bq)</th>
<th>Ratio (EML)</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.091</td>
<td>0.005</td>
<td>1.00</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>0.074</td>
<td>0.008</td>
<td>0.81</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>0.059</td>
<td>0.001</td>
<td>0.65</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>BL</td>
<td>2</td>
<td>0.059</td>
<td>0.000</td>
<td>0.65</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>0.099</td>
<td>0.008</td>
<td>1.09</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>0.164</td>
<td>0.020</td>
<td>1.80</td>
<td>0.24</td>
<td>N</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>13.000</td>
<td>0.000</td>
<td>143.00</td>
<td>7.85</td>
<td>N</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>0.160</td>
<td>0.030</td>
<td>1.76</td>
<td>0.34</td>
<td>N</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>0.098</td>
<td>0.000</td>
<td>1.08</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>OA</td>
<td>1</td>
<td>0.160</td>
<td>0.020</td>
<td>1.76</td>
<td>0.24</td>
<td>N</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>0.100</td>
<td>0.020</td>
<td>1.10</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>0.130</td>
<td>0.040</td>
<td>1.43</td>
<td>0.45</td>
<td>W</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>0.510</td>
<td>0.080</td>
<td>5.60</td>
<td>0.93</td>
<td>N</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.150</td>
<td>0.010</td>
<td>1.65</td>
<td>0.14</td>
<td>N</td>
</tr>
</tbody>
</table>

Total Number Reported: 14

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: AI
Radionuclide: U UG

EML Value: 0.538
EML Error: 0.021

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.538</td>
<td>0.021</td>
<td>1.80</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>0.670</td>
<td>0.050</td>
<td>1.96</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>0.570</td>
<td>0.030</td>
<td>1.96</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>1.040</td>
<td>0.100</td>
<td>1.93</td>
<td>0.20</td>
<td>N</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>2.370</td>
<td>0.000</td>
<td>4.41</td>
<td>0.17</td>
<td>N</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>0.800</td>
<td>0.110</td>
<td>1.49</td>
<td>0.21</td>
<td>W</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>3.100</td>
<td>0.200</td>
<td>5.76</td>
<td>0.43</td>
<td>N</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>0.800</td>
<td>0.000</td>
<td>1.12</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>0.452</td>
<td>0.007</td>
<td>0.84</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>0.800</td>
<td>0.010</td>
<td>1.49</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>1.000</td>
<td>1.000</td>
<td>1.66</td>
<td>1.66</td>
<td>N</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>0.696</td>
<td>0.078</td>
<td>1.28</td>
<td>0.15</td>
<td>W</td>
</tr>
</tbody>
</table>

Total Number Reported: 12

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
# Results by Nuclide

Matrix: SO  
Radionuclide: AM241  

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML Value</th>
<th>EML Error</th>
<th>Ratio EML</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>3.200</td>
<td>0.754</td>
<td>1.00</td>
<td>0.33</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>3.000</td>
<td>0.700</td>
<td>0.94</td>
<td>0.31</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AE</td>
<td>1</td>
<td>2.350</td>
<td>0.320</td>
<td>0.74</td>
<td>0.20</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>2.860</td>
<td>0.280</td>
<td>0.89</td>
<td>0.23</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>3.150</td>
<td>0.920</td>
<td>0.98</td>
<td>0.37</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>2.370</td>
<td>0.120</td>
<td>0.74</td>
<td>0.18</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>2.920</td>
<td>0.980</td>
<td>0.91</td>
<td>0.37</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>4.170</td>
<td>0.840</td>
<td>1.30</td>
<td>0.40</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>1.500</td>
<td>1.200</td>
<td>0.47</td>
<td>0.39</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>2.610</td>
<td>0.407</td>
<td>0.82</td>
<td>0.23</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>3.080</td>
<td>0.010</td>
<td>0.96</td>
<td>0.23</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>2.300</td>
<td>0.900</td>
<td>0.72</td>
<td>0.33</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>3.170</td>
<td>0.650</td>
<td>0.99</td>
<td>0.31</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>2.520</td>
<td>0.170</td>
<td>0.79</td>
<td>0.19</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>5.330</td>
<td>1.400</td>
<td>1.67</td>
<td>0.59</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>6.580</td>
<td>1.290</td>
<td>2.06</td>
<td>0.63</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>0.004</td>
<td>0.000</td>
<td>0.00</td>
<td>0.00</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EB</td>
<td>1</td>
<td>1.670</td>
<td>0.162</td>
<td>0.52</td>
<td>0.14</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>2.550</td>
<td>0.932</td>
<td>0.80</td>
<td>0.35</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>2.720</td>
<td>0.280</td>
<td>0.85</td>
<td>0.22</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>1.760</td>
<td>0.300</td>
<td>0.55</td>
<td>0.16</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>2.960</td>
<td>1.330</td>
<td>0.93</td>
<td>0.47</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>2.620</td>
<td>0.783</td>
<td>0.82</td>
<td>0.31</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>3.300</td>
<td>0.900</td>
<td>1.03</td>
<td>0.37</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>2.500</td>
<td>0.400</td>
<td>0.78</td>
<td>0.22</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>2.220</td>
<td>0.000</td>
<td>0.69</td>
<td>0.16</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>4.060</td>
<td>1.850</td>
<td>1.27</td>
<td>0.65</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>5.600</td>
<td>0.600</td>
<td>1.75</td>
<td>0.45</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>2.850</td>
<td>1.080</td>
<td>0.89</td>
<td>0.39</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>3.110</td>
<td>0.680</td>
<td>0.97</td>
<td>0.32</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>2.380</td>
<td>0.480</td>
<td>0.74</td>
<td>0.23</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>2.900</td>
<td>0.800</td>
<td>0.91</td>
<td>0.33</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>2.530</td>
<td>0.220</td>
<td>0.79</td>
<td>0.20</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>3.100</td>
<td>0.200</td>
<td>0.97</td>
<td>0.24</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>3.100</td>
<td>0.200</td>
<td>0.97</td>
<td>0.24</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>3.100</td>
<td>0.200</td>
<td>0.97</td>
<td>0.24</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>1.990</td>
<td>0.680</td>
<td>0.62</td>
<td>0.31</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MA</td>
<td>1</td>
<td>3.300</td>
<td>1.900</td>
<td>1.03</td>
<td>0.64</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>3.100</td>
<td>0.700</td>
<td>0.97</td>
<td>0.32</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>4.600</td>
<td>1.800</td>
<td>1.44</td>
<td>0.66</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>3.500</td>
<td>0.600</td>
<td>1.09</td>
<td>0.32</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>3.700</td>
<td>1.000</td>
<td>1.16</td>
<td>0.42</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>7.500</td>
<td>3.500</td>
<td>2.34</td>
<td>1.23</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>2.130</td>
<td>0.488</td>
<td>0.67</td>
<td>0.22</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>3.020</td>
<td>0.230</td>
<td>0.94</td>
<td>0.23</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RG</td>
<td>1</td>
<td>3.530</td>
<td>0.490</td>
<td>1.10</td>
<td>0.30</td>
<td>A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: SO  
Radionuclide: AM241

EML Value: 3.200  
EML Error: 0.754

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>TI</td>
<td>1</td>
<td>3.700</td>
<td>1.200</td>
<td>1.16</td>
<td>0.46</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>2.420</td>
<td>0.250</td>
<td>0.76</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>2.720</td>
<td>0.983</td>
<td>0.85</td>
<td>0.37</td>
<td>A</td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>2.200</td>
<td>1.200</td>
<td>0.69</td>
<td>0.41</td>
<td>W</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>2.420</td>
<td>0.220</td>
<td>0.76</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>3.950</td>
<td>1.250</td>
<td>1.14</td>
<td>0.47</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>2.600</td>
<td>0.899</td>
<td>0.81</td>
<td>0.32</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>2.700</td>
<td>0.630</td>
<td>0.84</td>
<td>0.28</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>2.130</td>
<td>0.042</td>
<td>0.87</td>
<td>0.16</td>
<td>W</td>
</tr>
</tbody>
</table>

Total Number Reported: 55

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** SO  
**Radionuclide:** CS137

**EML Value:** 266.000  
**EML Error:** 3.560

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>266.000</td>
<td>3.560</td>
<td>1.00</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>333.000</td>
<td>3.000</td>
<td>1.25</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>AE</td>
<td>1</td>
<td>284.000</td>
<td>16.000</td>
<td>1.07</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>272.000</td>
<td>9.000</td>
<td>1.02</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>272.000</td>
<td>27.000</td>
<td>1.21</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>323.000</td>
<td>3.680</td>
<td>1.09</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>231.000</td>
<td>6.600</td>
<td>1.09</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>290.000</td>
<td>14.000</td>
<td>1.20</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>320.000</td>
<td>13.000</td>
<td>1.12</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>298.000</td>
<td>2.700</td>
<td>0.39</td>
<td>0.08</td>
<td>N</td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>103.000</td>
<td>20.700</td>
<td>1.07</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>285.000</td>
<td>27.000</td>
<td>1.01</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>268.000</td>
<td>0.000</td>
<td>1.20</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>320.000</td>
<td>29.600</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>276.000</td>
<td>7.000</td>
<td>0.86</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>226.000</td>
<td>5.000</td>
<td>1.14</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>302.000</td>
<td>34.200</td>
<td>1.20</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>BP</td>
<td>1</td>
<td>320.000</td>
<td>17.000</td>
<td>1.02</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>BQ</td>
<td>1</td>
<td>271.000</td>
<td>9.000</td>
<td>1.18</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>313.000</td>
<td>11.300</td>
<td>1.02</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>272.000</td>
<td>1.350</td>
<td>1.35</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>360.000</td>
<td>20.000</td>
<td>1.02</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>271.000</td>
<td>0.000</td>
<td>1.14</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>304.000</td>
<td>10.000</td>
<td>1.06</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>281.000</td>
<td>4.070</td>
<td>1.24</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>330.000</td>
<td>18.600</td>
<td>1.19</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>316.000</td>
<td>33.000</td>
<td>1.22</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>58.800</td>
<td>2.580</td>
<td>1.17</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>310.000</td>
<td>0.000</td>
<td>1.06</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>282.000</td>
<td>13.500</td>
<td>1.11</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>294.000</td>
<td>22.000</td>
<td>0.88</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>233.000</td>
<td>8.000</td>
<td>1.13</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>301.000</td>
<td>5.140</td>
<td>1.10</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>292.000</td>
<td>15.100</td>
<td>1.19</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>317.000</td>
<td>3.400</td>
<td>1.01</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>289.000</td>
<td>10.000</td>
<td>1.09</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>291.000</td>
<td>28.000</td>
<td>1.02</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>FS</td>
<td>1</td>
<td>270.000</td>
<td>0.000</td>
<td>1.06</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>291.000</td>
<td>0.000</td>
<td>1.10</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>233.000</td>
<td>3.500</td>
<td>1.13</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>300.000</td>
<td>30.000</td>
<td>1.03</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>274.000</td>
<td>19.000</td>
<td>0.93</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>248.000</td>
<td>31.000</td>
<td>0.99</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>263.000</td>
<td>30.000</td>
<td>1.16</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>307.000</td>
<td>15.000</td>
<td>1.12</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>298.000</td>
<td>3.220</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VΕ=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

**Matrix:** SO  
**Radionuclide:** CS137  
**EML Value:** 266.000  
**EML Error:** 3.560

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>IN</td>
<td>1</td>
<td>279.000</td>
<td>20.700</td>
<td>1.05</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>256.000</td>
<td>18.000</td>
<td>0.96</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>312.000</td>
<td>3.250</td>
<td>1.17</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>311.000</td>
<td>21.000</td>
<td>1.17</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>223.000</td>
<td>20.000</td>
<td>0.84</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>223.000</td>
<td>20.000</td>
<td>0.84</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>243.000</td>
<td>21.000</td>
<td>0.91</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>226.000</td>
<td>10.000</td>
<td>0.85</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>336.000</td>
<td>51.000</td>
<td>1.27</td>
<td>0.19</td>
<td>W</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>300.000</td>
<td>6.400</td>
<td>1.13</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>LW</td>
<td>1</td>
<td>299.000</td>
<td>12.000</td>
<td>1.12</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>MA</td>
<td>1</td>
<td>340.000</td>
<td>10.000</td>
<td>1.28</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>408.000</td>
<td>2.700</td>
<td>1.54</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>286.000</td>
<td>4.400</td>
<td>1.08</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>304.000</td>
<td>1.800</td>
<td>1.14</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>256.000</td>
<td>3.800</td>
<td>0.96</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>300.000</td>
<td>10.000</td>
<td>1.13</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>330.000</td>
<td>6.000</td>
<td>1.24</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>NO</td>
<td>1</td>
<td>162.000</td>
<td>1.000</td>
<td>0.61</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>304.000</td>
<td>7.800</td>
<td>1.14</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>330.000</td>
<td>20.000</td>
<td>1.24</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>OS</td>
<td>1</td>
<td>253.000</td>
<td>6.000</td>
<td>0.96</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>290.000</td>
<td>10.000</td>
<td>1.09</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>306.000</td>
<td>48.000</td>
<td>1.15</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>PE</td>
<td>1</td>
<td>234.000</td>
<td>20.600</td>
<td>0.88</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>PI</td>
<td>1</td>
<td>302.000</td>
<td>9.000</td>
<td>1.14</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>221.000</td>
<td>2.000</td>
<td>0.83</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>322.000</td>
<td>8.000</td>
<td>1.21</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>298.000</td>
<td>10.000</td>
<td>1.12</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>SS</td>
<td>1</td>
<td>328.000</td>
<td>16.000</td>
<td>1.23</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>291.000</td>
<td>18.900</td>
<td>1.09</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>319.000</td>
<td>32.000</td>
<td>1.20</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>210.000</td>
<td>6.870</td>
<td>0.79</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>251.000</td>
<td>7.000</td>
<td>0.84</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>306.000</td>
<td>19.600</td>
<td>1.15</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>273.000</td>
<td>1.970</td>
<td>1.03</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>284.000</td>
<td>3.800</td>
<td>0.99</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>52.000</td>
<td>32.000</td>
<td>0.20</td>
<td>0.12</td>
<td>N</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>290.000</td>
<td>19.000</td>
<td>1.09</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>301.000</td>
<td>32.700</td>
<td>1.13</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>341.000</td>
<td>27.000</td>
<td>1.28</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>285.000</td>
<td>30.000</td>
<td>1.11</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>WS</td>
<td>1</td>
<td>223.000</td>
<td>0.000</td>
<td>0.84</td>
<td>0.01</td>
<td>A</td>
</tr>
</tbody>
</table>

**Units for matrices:** Al=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. **Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation:** A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** SO  
**Radionuclide:** CS137  

**EML Value:** 266,000  
**EML Error:** 3.560  

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>YA</td>
<td>1</td>
<td>294.000</td>
<td>3.700</td>
<td>1.11</td>
<td>0.02</td>
<td>A</td>
</tr>
</tbody>
</table>

**Total Number Reported:** 90

---

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL.  
Results by Nuclide

Matrix: SO
Radionuclide: K 40

EML Value: 384.000
EML Error: 27.800

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>384,000</td>
<td>27,800</td>
<td>1.00</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>447,000</td>
<td>13,000</td>
<td>1.16</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>AE</td>
<td>1</td>
<td>326,000</td>
<td>50,000</td>
<td>0.85</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>395,000</td>
<td>28,000</td>
<td>1.03</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>395,000</td>
<td>39,000</td>
<td>1.03</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>439,000</td>
<td>24,100</td>
<td>1.14</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>420,000</td>
<td>11,400</td>
<td>1.09</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>364,000</td>
<td>34,000</td>
<td>0.95</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>432,000</td>
<td>19,000</td>
<td>1.13</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>429,000</td>
<td>45,000</td>
<td>1.12</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>337,000</td>
<td>0.000</td>
<td>0.98</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>289,000</td>
<td>41,100</td>
<td>0.75</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>398,000</td>
<td>19,000</td>
<td>1.04</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>277,000</td>
<td>31,000</td>
<td>0.72</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>378,000</td>
<td>15,000</td>
<td>0.98</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>BP</td>
<td>1</td>
<td>423,000</td>
<td>20,000</td>
<td>1.10</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>BQ</td>
<td>1</td>
<td>292,000</td>
<td>140,000</td>
<td>0.76</td>
<td>0.37</td>
<td>W</td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>406,000</td>
<td>37,300</td>
<td>1.06</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>370,000</td>
<td>8,860</td>
<td>0.96</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>480,000</td>
<td>40,000</td>
<td>1.25</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>336,000</td>
<td>0.000</td>
<td>0.98</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>395,000</td>
<td>25,000</td>
<td>1.03</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>396,000</td>
<td>22,000</td>
<td>1.03</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>747,000</td>
<td>108,000</td>
<td>1.95</td>
<td>0.32</td>
<td>N</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>623,000</td>
<td>120,000</td>
<td>1.62</td>
<td>0.33</td>
<td>N</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>111,000</td>
<td>4,890</td>
<td>0.29</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>347,000</td>
<td>0,000</td>
<td>0.99</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>DE</td>
<td>1</td>
<td>393,000</td>
<td>17,600</td>
<td>1.02</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>352,000</td>
<td>33,000</td>
<td>0.92</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>350,000</td>
<td>17,000</td>
<td>0.91</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>418,000</td>
<td>27,600</td>
<td>1.09</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>428,000</td>
<td>26,000</td>
<td>1.12</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>477,000</td>
<td>11,600</td>
<td>1.24</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>371,000</td>
<td>17,000</td>
<td>0.97</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>418,000</td>
<td>45,000</td>
<td>1.09</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>FS</td>
<td>1</td>
<td>385,000</td>
<td>7,400</td>
<td>1.03</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>448,000</td>
<td>0,000</td>
<td>1.17</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>475,000</td>
<td>13,600</td>
<td>1.24</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>2220,000</td>
<td>518,000</td>
<td>5.78</td>
<td>1.41</td>
<td>N</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>365,000</td>
<td>30,000</td>
<td>0.93</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>417,000</td>
<td>57,000</td>
<td>1.09</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>432,000</td>
<td>27,000</td>
<td>1.13</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>425,000</td>
<td>17,000</td>
<td>1.11</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>436,000</td>
<td>164,000</td>
<td>1.14</td>
<td>0.44</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>389,000</td>
<td>27,000</td>
<td>1.01</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>404,000</td>
<td>10,900</td>
<td>1.05</td>
<td>0.08</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** SO  
**Radionuclide:** K⁴⁰  
**EML Value:** 384.000  
**EML Error:** 27.800

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>KA</td>
<td>1</td>
<td>418,000</td>
<td>43,000</td>
<td>1.09</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>328,000</td>
<td>43,000</td>
<td>0.85</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>355,000</td>
<td>46,000</td>
<td>0.92</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>367,000</td>
<td>47,000</td>
<td>0.96</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>569,000</td>
<td>42,000</td>
<td>1.48</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>472,000</td>
<td>112,000</td>
<td>1.23</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>367,000</td>
<td>26,000</td>
<td>1.01</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>LW</td>
<td>1</td>
<td>402,000</td>
<td>56,000</td>
<td>1.05</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>MA</td>
<td>1</td>
<td>407,000</td>
<td>37,000</td>
<td>1.06</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>564,000</td>
<td>10,800</td>
<td>1.47</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>533,000</td>
<td>32,300</td>
<td>1.39</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>434,000</td>
<td>9,400</td>
<td>1.13</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>380,000</td>
<td>10,000</td>
<td>0.99</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>500,000</td>
<td>40,000</td>
<td>1.30</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>OI</td>
<td>1</td>
<td>207,000</td>
<td>7,000</td>
<td>0.54</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>449,000</td>
<td>23,000</td>
<td>1.17</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>520,000</td>
<td>100,000</td>
<td>1.35</td>
<td>0.28</td>
<td>W</td>
</tr>
<tr>
<td>OS</td>
<td>1</td>
<td>332,000</td>
<td>6,000</td>
<td>0.87</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>360,000</td>
<td>50,000</td>
<td>0.99</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>377,000</td>
<td>72,000</td>
<td>0.98</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>332,000</td>
<td>44,200</td>
<td>0.87</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>421,000</td>
<td>93,000</td>
<td>1.10</td>
<td>0.26</td>
<td>A</td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>397,000</td>
<td>9,000</td>
<td>1.03</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>423,000</td>
<td>30,000</td>
<td>1.10</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>393,000</td>
<td>41,000</td>
<td>1.02</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>SS</td>
<td>1</td>
<td>478,000</td>
<td>28,000</td>
<td>1.25</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>393,000</td>
<td>124,000</td>
<td>1.02</td>
<td>0.33</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>444,000</td>
<td>44,000</td>
<td>1.16</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>259,000</td>
<td>27,100</td>
<td>0.75</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>384,000</td>
<td>39,600</td>
<td>1.00</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>406,000</td>
<td>31,800</td>
<td>1.06</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>449,000</td>
<td>10,900</td>
<td>1.17</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>361,000</td>
<td>20,000</td>
<td>0.94</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>418,000</td>
<td>30,000</td>
<td>1.09</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>432,000</td>
<td>61,400</td>
<td>1.13</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>457,000</td>
<td>62,000</td>
<td>1.19</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>410,000</td>
<td>40,000</td>
<td>1.07</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>WS</td>
<td>1</td>
<td>357,000</td>
<td>0,000</td>
<td>0.93</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>434,000</td>
<td>11,000</td>
<td>1.13</td>
<td>0.08</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 85

Units for matrices: Al=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental Uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

Matrix: SO  
Radionuclide: PU238

**EML Value:** 32.000  
**EML Error:** 0.567

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>32.000</td>
<td>0.567</td>
<td>1.00</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>32.800</td>
<td>1.800</td>
<td>1.03</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>32.500</td>
<td>2.500</td>
<td>1.02</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>874.000</td>
<td>513.000</td>
<td>27.30</td>
<td>16.00</td>
<td>N</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>32.300</td>
<td>1.380</td>
<td>1.01</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>32.100</td>
<td>3.600</td>
<td>1.00</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>45.700</td>
<td>5.500</td>
<td>1.43</td>
<td>0.19</td>
<td>N</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>43.000</td>
<td>0.140</td>
<td>1.34</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>31.200</td>
<td>2.210</td>
<td>0.98</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>31.300</td>
<td>1.490</td>
<td>0.98</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>27.700</td>
<td>2.500</td>
<td>0.87</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>2</td>
<td>31.400</td>
<td>3.900</td>
<td>0.98</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>32.000</td>
<td>2.000</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>25.500</td>
<td>0.000</td>
<td>0.80</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>30.200</td>
<td>1.300</td>
<td>0.94</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>34.000</td>
<td>2.000</td>
<td>1.06</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>38.100</td>
<td>10.300</td>
<td>1.19</td>
<td>0.32</td>
<td>W</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>0.031</td>
<td>0.000</td>
<td>0.00</td>
<td>0.00</td>
<td>N</td>
</tr>
<tr>
<td>EB</td>
<td>1</td>
<td>26.300</td>
<td>0.000</td>
<td>0.82</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>31.200</td>
<td>1.800</td>
<td>0.98</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>36.900</td>
<td>2.300</td>
<td>1.15</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>31.900</td>
<td>2.500</td>
<td>1.00</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>31.900</td>
<td>3.850</td>
<td>1.00</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>36.600</td>
<td>2.260</td>
<td>1.14</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>8.100</td>
<td>0.500</td>
<td>0.25</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>33.500</td>
<td>1.250</td>
<td>1.05</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>FS</td>
<td>1</td>
<td>30.400</td>
<td>0.400</td>
<td>0.95</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>FS</td>
<td>2</td>
<td>30.200</td>
<td>1.000</td>
<td>0.84</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>FS</td>
<td>3</td>
<td>31.400</td>
<td>1.500</td>
<td>0.88</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>32.700</td>
<td>0.000</td>
<td>1.02</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>32.600</td>
<td>2.850</td>
<td>1.02</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>30.000</td>
<td>3.000</td>
<td>0.94</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>31.000</td>
<td>3.000</td>
<td>0.97</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>29.700</td>
<td>3.440</td>
<td>0.93</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>32.600</td>
<td>4.800</td>
<td>1.03</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>26.700</td>
<td>3.800</td>
<td>0.83</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>32.200</td>
<td>0.955</td>
<td>1.01</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>29.400</td>
<td>3.680</td>
<td>0.92</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>35.000</td>
<td>1.000</td>
<td>1.09</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>29.000</td>
<td>1.000</td>
<td>0.91</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>32.000</td>
<td>1.000</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>31.900</td>
<td>3.200</td>
<td>1.00</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>31.600</td>
<td>2.240</td>
<td>0.99</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>34.700</td>
<td>1.780</td>
<td>1.08</td>
<td>0.06</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in pg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

**Matrix:** SO  
**Radionuclide:** PU238  
**EML Value:** 32.000  
**EML Error:** 0.567

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>1</td>
<td>32.700</td>
<td>2.900</td>
<td>1.02</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>30.000</td>
<td>2.000</td>
<td>0.94</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>OB</td>
<td>1</td>
<td>4.000</td>
<td>0.400</td>
<td>0.13</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>15.000</td>
<td>1.000</td>
<td>0.47</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>28.000</td>
<td>2.000</td>
<td>0.88</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>37.000</td>
<td>5.200</td>
<td>1.16</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>PI</td>
<td>1</td>
<td>34.100</td>
<td>3.400</td>
<td>1.07</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>18.700</td>
<td>5.620</td>
<td>0.58</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>32.700</td>
<td>3.480</td>
<td>1.02</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>RG</td>
<td>1</td>
<td>33.300</td>
<td>1.590</td>
<td>1.04</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>32.000</td>
<td>1.500</td>
<td>1.01</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>22.000</td>
<td>0.200</td>
<td>0.69</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>47.000</td>
<td>5.000</td>
<td>1.47</td>
<td>0.16</td>
<td>N</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>32.700</td>
<td>1.810</td>
<td>1.02</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>34.300</td>
<td>2.210</td>
<td>1.07</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>33.800</td>
<td>3.020</td>
<td>1.05</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>24.500</td>
<td>5.130</td>
<td>0.77</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>16.000</td>
<td>2.500</td>
<td>0.50</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>28.600</td>
<td>1.500</td>
<td>0.69</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>2.130</td>
<td>0.860</td>
<td>0.07</td>
<td>0.03</td>
<td>N</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>31.300</td>
<td>6.100</td>
<td>1.00</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>3.400</td>
<td>3.300</td>
<td>0.11</td>
<td>0.10</td>
<td>N</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>33.000</td>
<td>1.600</td>
<td>1.06</td>
<td>0.05</td>
<td>A</td>
</tr>
</tbody>
</table>

**Total Number Reported:** 69

---

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL.

## Results by Nuclide

**Matrix:** SO  
**Radionuclide:** PU239

**EML Value:** 6.760  
**EML Error:** 0.440

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>6.760</td>
<td>0.440</td>
<td>1.00</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>7.800</td>
<td>1.100</td>
<td>1.15</td>
<td>0.18</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AE</td>
<td>1</td>
<td>6.700</td>
<td>0.800</td>
<td>0.99</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>7.300</td>
<td>0.400</td>
<td>1.08</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>7.300</td>
<td>0.730</td>
<td>1.08</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>18.100</td>
<td>7.210</td>
<td>2.68</td>
<td>1.08</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>7.000</td>
<td>0.320</td>
<td>1.04</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>10.400</td>
<td>2.000</td>
<td>1.54</td>
<td>0.31</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>12.900</td>
<td>3.100</td>
<td>1.91</td>
<td>0.48</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>10.800</td>
<td>0.070</td>
<td>1.60</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>6.800</td>
<td>0.540</td>
<td>1.02</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>7.280</td>
<td>0.740</td>
<td>1.08</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>6.000</td>
<td>0.600</td>
<td>0.89</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>2</td>
<td>7.100</td>
<td>0.800</td>
<td>1.05</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>8.700</td>
<td>0.600</td>
<td>1.29</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>6.590</td>
<td>0.000</td>
<td>0.98</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>7.100</td>
<td>0.800</td>
<td>1.06</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>7.560</td>
<td>0.833</td>
<td>1.12</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>8.400</td>
<td>3.630</td>
<td>1.24</td>
<td>0.54</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>2.590</td>
<td>0.610</td>
<td>0.38</td>
<td>0.09</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>0.009</td>
<td>0.000</td>
<td>0.00</td>
<td>0.00</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>EB</td>
<td>1</td>
<td>16.000</td>
<td>0.703</td>
<td>2.37</td>
<td>0.19</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>6.730</td>
<td>0.444</td>
<td>1.00</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>7.150</td>
<td>0.540</td>
<td>1.06</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>6.920</td>
<td>0.620</td>
<td>1.02</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>8.800</td>
<td>1.280</td>
<td>1.31</td>
<td>0.21</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>7.300</td>
<td>0.614</td>
<td>1.09</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FS</td>
<td>1</td>
<td>5.200</td>
<td>0.400</td>
<td>0.77</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>6.440</td>
<td>0.410</td>
<td>0.95</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FS</td>
<td>1</td>
<td>6.780</td>
<td>0.080</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FS</td>
<td>2</td>
<td>6.200</td>
<td>0.190</td>
<td>0.92</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FS</td>
<td>3</td>
<td>6.690</td>
<td>0.140</td>
<td>0.99</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>7.280</td>
<td>0.000</td>
<td>1.08</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>7.180</td>
<td>0.860</td>
<td>1.06</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>5.920</td>
<td>0.600</td>
<td>0.88</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>7.200</td>
<td>0.500</td>
<td>1.07</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>6.730</td>
<td>0.660</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>6.960</td>
<td>0.110</td>
<td>1.03</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>6.200</td>
<td>0.980</td>
<td>0.92</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>7.270</td>
<td>0.530</td>
<td>1.08</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>7.600</td>
<td>0.760</td>
<td>1.12</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>7.500</td>
<td>0.200</td>
<td>1.02</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>6.800</td>
<td>0.300</td>
<td>1.01</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>7.610</td>
<td>1.240</td>
<td>1.13</td>
<td>0.20</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>6.660</td>
<td>0.810</td>
<td>0.99</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

Matrix: SO  
Radionuclide: PU239  

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME</td>
<td>1</td>
<td>3.400</td>
<td>1.500</td>
<td>0.50</td>
<td>0.22</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>6.800</td>
<td>0.797</td>
<td>1.03</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>6.200</td>
<td>1.100</td>
<td>0.92</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>5.800</td>
<td>0.700</td>
<td>0.86</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>OB</td>
<td>1</td>
<td>27.000</td>
<td>1.000</td>
<td>3.99</td>
<td>0.30</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>3.100</td>
<td>0.400</td>
<td>0.46</td>
<td>0.07</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>7.000</td>
<td>1.200</td>
<td>1.04</td>
<td>0.19</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>8.800</td>
<td>1.100</td>
<td>1.32</td>
<td>0.18</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>PB</td>
<td>1</td>
<td>7.000</td>
<td>0.740</td>
<td>1.04</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>6.200</td>
<td>2.200</td>
<td>0.92</td>
<td>0.33</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PI</td>
<td>1</td>
<td>7.210</td>
<td>1.100</td>
<td>1.07</td>
<td>0.18</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>6.810</td>
<td>0.842</td>
<td>1.01</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>6.870</td>
<td>0.900</td>
<td>1.02</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RG</td>
<td>1</td>
<td>7.470</td>
<td>0.630</td>
<td>1.11</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>7.590</td>
<td>0.460</td>
<td>1.12</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>5.000</td>
<td>0.100</td>
<td>0.74</td>
<td>0.05</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>11.000</td>
<td>2.000</td>
<td>1.63</td>
<td>0.31</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>7.340</td>
<td>0.574</td>
<td>1.09</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>7.440</td>
<td>0.849</td>
<td>1.16</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>7.860</td>
<td>0.910</td>
<td>1.17</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>4.450</td>
<td>1.550</td>
<td>0.66</td>
<td>0.23</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>3.200</td>
<td>0.880</td>
<td>0.47</td>
<td>0.12</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>5.650</td>
<td>0.670</td>
<td>0.83</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>2.740</td>
<td>1.120</td>
<td>0.41</td>
<td>0.17</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>7.050</td>
<td>1.840</td>
<td>1.04</td>
<td>0.25</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>5.900</td>
<td>1.000</td>
<td>0.87</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>WP</td>
<td>2</td>
<td>5.900</td>
<td>1.100</td>
<td>0.87</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>7.050</td>
<td>0.320</td>
<td>1.04</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Total Number Reported: 74

---

Units for matrices: Al = Bq/filter   SO = Bq/kg   VE = Bq/kg   WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
Results by Nuclide

Matrix: SO
Radionuclide: SR 90

EML Value: 11.300
EML Error: 1.500

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>11.300</td>
<td>1.500</td>
<td>1.00</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>11.700</td>
<td>1.570</td>
<td>1.04</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>16.900</td>
<td>1.800</td>
<td>1.50</td>
<td>0.26</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>13.400</td>
<td>0.180</td>
<td>1.19</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>14.200</td>
<td>2.100</td>
<td>1.26</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>14.300</td>
<td>2.700</td>
<td>1.27</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>12.200</td>
<td>2.250</td>
<td>1.08</td>
<td>0.26</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>9.000</td>
<td>5.000</td>
<td>0.80</td>
<td>0.46</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>7.600</td>
<td>3.800</td>
<td>0.67</td>
<td>0.35</td>
<td>W</td>
</tr>
<tr>
<td>BP</td>
<td>1</td>
<td>13.300</td>
<td>1.200</td>
<td>1.18</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>5.000</td>
<td>3.000</td>
<td>0.44</td>
<td>0.27</td>
<td>N</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>7.300</td>
<td>0.600</td>
<td>0.56</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>28.100</td>
<td>4.560</td>
<td>2.49</td>
<td>0.52</td>
<td>N</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>11.000</td>
<td>4.500</td>
<td>0.97</td>
<td>0.42</td>
<td>A</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>9.780</td>
<td>4.480</td>
<td>0.87</td>
<td>0.41</td>
<td>A</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>11.000</td>
<td>0.000</td>
<td>0.97</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>13.000</td>
<td>3.000</td>
<td>1.15</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>18.500</td>
<td>0.500</td>
<td>1.64</td>
<td>0.22</td>
<td>W</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>28.600</td>
<td>5.000</td>
<td>2.53</td>
<td>0.56</td>
<td>N</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>3.960</td>
<td>0.289</td>
<td>0.35</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>18.100</td>
<td>0.990</td>
<td>1.66</td>
<td>0.23</td>
<td>W</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>12.600</td>
<td>2.000</td>
<td>1.12</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>15.200</td>
<td>2.200</td>
<td>1.35</td>
<td>0.26</td>
<td>A</td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>15.000</td>
<td>26.00</td>
<td>1.33</td>
<td>2.31</td>
<td>A</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>14.000</td>
<td>1.000</td>
<td>1.24</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>11.700</td>
<td>0.490</td>
<td>1.04</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>13.300</td>
<td>0.600</td>
<td>1.18</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>14.800</td>
<td>7.400</td>
<td>1.31</td>
<td>0.68</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>18.500</td>
<td>7.400</td>
<td>1.64</td>
<td>0.69</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>44.400</td>
<td>7.400</td>
<td>3.93</td>
<td>0.84</td>
<td>N</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>11.700</td>
<td>1.800</td>
<td>1.04</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>689.000</td>
<td>160.000</td>
<td>61.00</td>
<td>16.30</td>
<td>N</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>10.000</td>
<td>2.000</td>
<td>0.99</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>7.400</td>
<td>4.200</td>
<td>0.66</td>
<td>0.38</td>
<td>W</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>13.400</td>
<td>2.700</td>
<td>1.50</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>17.000</td>
<td>2.700</td>
<td>1.50</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>13.500</td>
<td>2.600</td>
<td>1.20</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>11.800</td>
<td>1.200</td>
<td>1.04</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>14.800</td>
<td>1.580</td>
<td>1.32</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>10.000</td>
<td>1.400</td>
<td>0.89</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>TY</td>
<td>1</td>
<td>13.700</td>
<td>1.900</td>
<td>1.21</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.010</td>
<td>0.001</td>
<td>0.00</td>
<td>0.00</td>
<td>N</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>12.300</td>
<td>4.600</td>
<td>1.09</td>
<td>0.43</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>11.000</td>
<td>2.200</td>
<td>0.97</td>
<td>0.23</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in pg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: SO
Radionuclide: SR 90

EML Value: 11.300
EML Error: 1.500

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>YA</td>
<td>1</td>
<td>17.600</td>
<td>6.100</td>
<td>1.56</td>
<td>0.58</td>
<td>W</td>
</tr>
</tbody>
</table>

Total Number Reported: 46

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: SO
Radionuclide: U 234

EML Value: 30.300
EML Error: 1.790

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>30.300</td>
<td>1.790</td>
<td>1.00</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AE</td>
<td>1</td>
<td>24.600</td>
<td>1.300</td>
<td>0.81</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>25.400</td>
<td>2.500</td>
<td>0.84</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>30.200</td>
<td>1.730</td>
<td>1.00</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>23.000</td>
<td>4.800</td>
<td>0.76</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>30.000</td>
<td>4.200</td>
<td>0.99</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>17.100</td>
<td>0.000</td>
<td>0.56</td>
<td>0.03</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>34.100</td>
<td>2.630</td>
<td>1.13</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>30.500</td>
<td>0.000</td>
<td>1.00</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>2</td>
<td>32.400</td>
<td>0.080</td>
<td>1.07</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>2</td>
<td>32.400</td>
<td>0.080</td>
<td>1.07</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>2</td>
<td>26.100</td>
<td>2.600</td>
<td>0.86</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>4</td>
<td>26.700</td>
<td>2.600</td>
<td>0.86</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>18.200</td>
<td>0.000</td>
<td>0.60</td>
<td>0.04</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>20.800</td>
<td>1.500</td>
<td>0.98</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CH</td>
<td>2</td>
<td>34.300</td>
<td>12.300</td>
<td>1.13</td>
<td>0.41</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>34.500</td>
<td>12.500</td>
<td>1.14</td>
<td>0.39</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>0.028</td>
<td>0.000</td>
<td>0.00</td>
<td>0.00</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>EB</td>
<td>1</td>
<td>10.700</td>
<td>0.667</td>
<td>0.55</td>
<td>0.04</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>30.000</td>
<td>2.600</td>
<td>0.76</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>32.900</td>
<td>2.000</td>
<td>1.09</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>29.600</td>
<td>1.500</td>
<td>0.98</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>26.500</td>
<td>3.010</td>
<td>0.88</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FS</td>
<td>1</td>
<td>31.100</td>
<td>1.400</td>
<td>1.03</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FS</td>
<td>2</td>
<td>31.900</td>
<td>1.700</td>
<td>1.05</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FS</td>
<td>3</td>
<td>32.000</td>
<td>1.600</td>
<td>1.08</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>27.500</td>
<td>5.600</td>
<td>0.81</td>
<td>0.19</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>27.000</td>
<td>3.000</td>
<td>0.89</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>16.800</td>
<td>6.400</td>
<td>0.55</td>
<td>0.21</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>25.600</td>
<td>0.820</td>
<td>0.85</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>25.300</td>
<td>4.100</td>
<td>0.84</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>24.300</td>
<td>3.600</td>
<td>0.80</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>25.700</td>
<td>1.700</td>
<td>0.85</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>36.100</td>
<td>3.400</td>
<td>1.19</td>
<td>0.13</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>29.900</td>
<td>2.200</td>
<td>0.99</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>92.500</td>
<td>9.300</td>
<td>3.05</td>
<td>0.36</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>OB</td>
<td>1</td>
<td>29.000</td>
<td>1.000</td>
<td>0.96</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>19.600</td>
<td>2.600</td>
<td>0.65</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>PB</td>
<td>1</td>
<td>10.000</td>
<td>1.100</td>
<td>0.33</td>
<td>0.04</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>26.000</td>
<td>7.600</td>
<td>0.86</td>
<td>0.26</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>10.000</td>
<td>2.120</td>
<td>0.59</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>25.800</td>
<td>2.800</td>
<td>0.85</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RG</td>
<td>1</td>
<td>28.800</td>
<td>1.450</td>
<td>0.88</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>20.500</td>
<td>0.050</td>
<td>0.68</td>
<td>0.04</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>27.500</td>
<td>1.890</td>
<td>0.81</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>26.000</td>
<td>1.520</td>
<td>0.86</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in g/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: SO
Radionuclide: U234

EML Value: 30.300
EML Error: 1.790

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>TO</td>
<td>1</td>
<td>25.800</td>
<td>3.540</td>
<td>0.85</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>27.800</td>
<td>2.600</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>40.200</td>
<td>8.700</td>
<td>1.33</td>
<td>0.30</td>
<td>N</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>24.100</td>
<td>0.170</td>
<td>0.80</td>
<td>0.05</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 50

Units for matrices: Al=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL.
## Results by Nuclide

Matrix: SO  
Radionuclide: U 235

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>1.590</td>
<td>0.075</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>1.400</td>
<td>0.200</td>
<td>0.88</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>EB</td>
<td>1</td>
<td>0.595</td>
<td>0.098</td>
<td>0.37</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>1.720</td>
<td>0.220</td>
<td>1.08</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>5.300</td>
<td>0.810</td>
<td>3.33</td>
<td>0.53</td>
<td>N</td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>5.100</td>
<td>3.500</td>
<td>3.21</td>
<td>2.21</td>
<td>N</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>1.700</td>
<td>0.700</td>
<td>1.07</td>
<td>0.44</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>4.070</td>
<td>0.400</td>
<td>2.56</td>
<td>0.28</td>
<td>N</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>1.130</td>
<td>0.004</td>
<td>0.71</td>
<td>0.03</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 9
### Results by Nuclide

**Matrix:** SO  
**Radionuclide:** U 238  
**EML Value:** 31.600  
**EML Error:** 1.270

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>31.600</td>
<td>1.270</td>
<td>1.00</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>AE</td>
<td>1</td>
<td>25.800</td>
<td>1.300</td>
<td>0.82</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>25.500</td>
<td>2.500</td>
<td>0.81</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>36.100</td>
<td>14.000</td>
<td>1.14</td>
<td>0.45</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>29.800</td>
<td>1.700</td>
<td>0.95</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>21.900</td>
<td>5.400</td>
<td>0.69</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>27.300</td>
<td>3.800</td>
<td>0.86</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>18.200</td>
<td>0.000</td>
<td>0.58</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>31.700</td>
<td>2.500</td>
<td>1.00</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>29.800</td>
<td>0.000</td>
<td>0.94</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>2</td>
<td>31.600</td>
<td>0.000</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>26.100</td>
<td>2.600</td>
<td>0.83</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>2</td>
<td>23.500</td>
<td>3.100</td>
<td>0.74</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>16.400</td>
<td>0.000</td>
<td>0.52</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>29.900</td>
<td>1.600</td>
<td>0.95</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>26.000</td>
<td>9.570</td>
<td>0.82</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>31.400</td>
<td>11.200</td>
<td>0.99</td>
<td>0.36</td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>17.100</td>
<td>4.640</td>
<td>0.64</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>0.029</td>
<td>0.000</td>
<td>0.00</td>
<td>0.00</td>
<td>N</td>
</tr>
<tr>
<td>EB</td>
<td>3</td>
<td>16.000</td>
<td>0.653</td>
<td>0.51</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>23.000</td>
<td>2.980</td>
<td>0.73</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>32.200</td>
<td>2.000</td>
<td>1.02</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>31.500</td>
<td>1.500</td>
<td>1.00</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>22.600</td>
<td>2.370</td>
<td>0.72</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>26.500</td>
<td>1.700</td>
<td>0.94</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>FS</td>
<td>1</td>
<td>30.600</td>
<td>0.700</td>
<td>0.97</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>FS</td>
<td>2</td>
<td>30.200</td>
<td>1.100</td>
<td>0.96</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>FS</td>
<td>3</td>
<td>31.600</td>
<td>1.000</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>26.600</td>
<td>5.460</td>
<td>0.84</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>30.700</td>
<td>4.000</td>
<td>0.97</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>15.900</td>
<td>6.200</td>
<td>0.50</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>24.500</td>
<td>0.780</td>
<td>0.78</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>24.100</td>
<td>4.000</td>
<td>0.76</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>25.000</td>
<td>3.000</td>
<td>0.79</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>25.200</td>
<td>1.680</td>
<td>0.80</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>ML</td>
<td>2</td>
<td>24.200</td>
<td>0.992</td>
<td>0.77</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>25.800</td>
<td>2.800</td>
<td>0.82</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>29.800</td>
<td>2.200</td>
<td>0.94</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>77.700</td>
<td>7.400</td>
<td>2.46</td>
<td>0.21</td>
<td>N</td>
</tr>
<tr>
<td>OB</td>
<td>1</td>
<td>29.000</td>
<td>1.000</td>
<td>0.92</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>22.600</td>
<td>2.600</td>
<td>0.72</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>PB</td>
<td>1</td>
<td>9.600</td>
<td>1.100</td>
<td>0.30</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>25.000</td>
<td>5.600</td>
<td>0.79</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>24.300</td>
<td>2.700</td>
<td>0.77</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>26.100</td>
<td>2.830</td>
<td>0.83</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>RG</td>
<td>1</td>
<td>29.400</td>
<td>1.430</td>
<td>0.93</td>
<td>0.06</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: SO
Radionuclide: U 238

EML Value: 31.600
EML Error: 1.270

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC</td>
<td>1</td>
<td>20.400</td>
<td>0.050</td>
<td>0.65</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>28.400</td>
<td>1.930</td>
<td>0.90</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>26.300</td>
<td>1.530</td>
<td>0.83</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>22.300</td>
<td>2.430</td>
<td>0.71</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>27.000</td>
<td>2.600</td>
<td>0.86</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>41.800</td>
<td>10.100</td>
<td>1.32</td>
<td>0.32</td>
<td>W</td>
</tr>
<tr>
<td>WS</td>
<td>1</td>
<td>42.000</td>
<td>0.000</td>
<td>1.33</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>24.100</td>
<td>0.240</td>
<td>0.76</td>
<td>0.03</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 54

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: SO
Radionuclide: U Bq

EML Value: 63.400
EML Error: 3.200

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>63.400</td>
<td>3.200</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>54.400</td>
<td>3.300</td>
<td>0.86</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>60.300</td>
<td>0.000</td>
<td>0.95</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>2</td>
<td>64.000</td>
<td>0.000</td>
<td>1.01</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>88.800</td>
<td>15.000</td>
<td>1.40</td>
<td>0.25</td>
<td>W</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>32.000</td>
<td>5.000</td>
<td>0.51</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>65.500</td>
<td>7.220</td>
<td>1.04</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>17.200</td>
<td>9.500</td>
<td>0.27</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>1.720</td>
<td>0.000</td>
<td>0.03</td>
<td>0.00</td>
<td>N</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>61.100</td>
<td>1.500</td>
<td>0.96</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>50.100</td>
<td>6.000</td>
<td>0.79</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>26.700</td>
<td>1.700</td>
<td>0.42</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>73.200</td>
<td>25.900</td>
<td>1.16</td>
<td>0.41</td>
<td>W</td>
</tr>
<tr>
<td>FS</td>
<td>1</td>
<td>63.100</td>
<td>3.100</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>FS</td>
<td>2</td>
<td>63.500</td>
<td>3.200</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>FS</td>
<td>3</td>
<td>65.100</td>
<td>1.900</td>
<td>1.03</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>62.700</td>
<td>0.000</td>
<td>0.99</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>37.900</td>
<td>6.400</td>
<td>0.60</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>IO</td>
<td>1</td>
<td>38.000</td>
<td>3.100</td>
<td>0.60</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>48.000</td>
<td>4.000</td>
<td>0.75</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>RG</td>
<td>1</td>
<td>60.300</td>
<td>3.120</td>
<td>0.95</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>44.000</td>
<td>7.000</td>
<td>0.69</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>59.300</td>
<td>3.700</td>
<td>0.94</td>
<td>0.08</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 23

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL.
Results by Nuclide

Matrix: SO
Radionuclide: U UG

EML Value: 2.500
EML Error: 0.130

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA 1</td>
<td>2.500</td>
<td>0.130</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG 1</td>
<td>2.040</td>
<td>0.040</td>
<td>0.82</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG 2</td>
<td>2.040</td>
<td>0.050</td>
<td>0.82</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AB 1</td>
<td>2.130</td>
<td>0.200</td>
<td>0.85</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BL 1</td>
<td>2.460</td>
<td>0.000</td>
<td>0.98</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BL 2</td>
<td>2.610</td>
<td>0.000</td>
<td>1.04</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BG 1</td>
<td>2.540</td>
<td>0.010</td>
<td>1.02</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CA 1</td>
<td>2.800</td>
<td>0.200</td>
<td>1.12</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CC 1</td>
<td>2.440</td>
<td>0.150</td>
<td>0.98</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ES 1</td>
<td>2.260</td>
<td>0.000</td>
<td>0.80</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ET 1</td>
<td>1.970</td>
<td>0.030</td>
<td>0.78</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>GE 1</td>
<td>2.290</td>
<td>0.027</td>
<td>0.92</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>HR 1</td>
<td>1.400</td>
<td>0.130</td>
<td>0.56</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IS 1</td>
<td>2.120</td>
<td>0.220</td>
<td>0.85</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Total Number Reported: 14

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: VE
Radionuclide: AM241

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.702</td>
<td>0.048</td>
<td>1.00</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>0.740</td>
<td>0.190</td>
<td>1.06</td>
<td>0.28</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>0.661</td>
<td>0.053</td>
<td>0.94</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>0.661</td>
<td>0.086</td>
<td>0.94</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>1.940</td>
<td>1.690</td>
<td>2.75</td>
<td>2.41</td>
<td>N</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>0.680</td>
<td>0.030</td>
<td>0.97</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>0.541</td>
<td>0.215</td>
<td>0.77</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>0.602</td>
<td>0.115</td>
<td>0.88</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>0.640</td>
<td>0.210</td>
<td>0.91</td>
<td>0.39</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>0.705</td>
<td>0.082</td>
<td>1.00</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>0.330</td>
<td>0.070</td>
<td>0.47</td>
<td>0.11</td>
<td>N</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>0.770</td>
<td>0.170</td>
<td>1.10</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>BS</td>
<td>i</td>
<td>0.400</td>
<td>0.200</td>
<td>0.57</td>
<td>0.29</td>
<td>W</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>0.710</td>
<td>0.150</td>
<td>1.01</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>1.000</td>
<td>0.600</td>
<td>1.43</td>
<td>0.86</td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>0.140</td>
<td>0.030</td>
<td>0.20</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>1.180</td>
<td>0.040</td>
<td>1.68</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>EB</td>
<td>1</td>
<td>0.370</td>
<td>0.000</td>
<td>0.53</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>0.873</td>
<td>0.090</td>
<td>1.24</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>0.740</td>
<td>0.050</td>
<td>1.46</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>0.670</td>
<td>0.031</td>
<td>0.95</td>
<td>0.45</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>0.498</td>
<td>0.017</td>
<td>0.71</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>1.260</td>
<td>0.355</td>
<td>1.80</td>
<td>0.52</td>
<td>W</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>0.620</td>
<td>0.090</td>
<td>0.88</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>0.780</td>
<td>0.250</td>
<td>1.11</td>
<td>0.36</td>
<td>A</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>0.710</td>
<td>0.185</td>
<td>1.01</td>
<td>0.27</td>
<td>A</td>
</tr>
<tr>
<td>IA</td>
<td>1</td>
<td>0.510</td>
<td>0.014</td>
<td>0.73</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>1.090</td>
<td>0.062</td>
<td>1.55</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>1.270</td>
<td>0.070</td>
<td>1.81</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>1.720</td>
<td>0.062</td>
<td>1.60</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>0.548</td>
<td>0.111</td>
<td>0.78</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>2.300</td>
<td>1.100</td>
<td>3.28</td>
<td>1.58</td>
<td>N</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>2.500</td>
<td>1.700</td>
<td>3.56</td>
<td>2.43</td>
<td>N</td>
</tr>
<tr>
<td>GR</td>
<td>1</td>
<td>0.710</td>
<td>0.210</td>
<td>1.01</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>GT</td>
<td>1</td>
<td>0.880</td>
<td>0.640</td>
<td>1.25</td>
<td>0.92</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>0.676</td>
<td>0.107</td>
<td>0.96</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>0.693</td>
<td>0.085</td>
<td>0.99</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>0.810</td>
<td>0.400</td>
<td>1.15</td>
<td>0.55</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>0.740</td>
<td>0.102</td>
<td>1.05</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.628</td>
<td>0.204</td>
<td>0.90</td>
<td>0.30</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>1.370</td>
<td>0.645</td>
<td>1.95</td>
<td>0.93</td>
<td>W</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>0.680</td>
<td>0.180</td>
<td>0.97</td>
<td>0.27</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>1.100</td>
<td>0.410</td>
<td>1.57</td>
<td>0.59</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

**Matrix:** VE  
**Radionuclide:** AM241

**EML Value:** 0.702  
**EML Error:** 0.048

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>YA</td>
<td>1</td>
<td>0.631</td>
<td>0.026</td>
<td>0.90</td>
<td>0.07</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 44

---

Units for matrices: AI = Bq/filter  
SO = Bq/kg  
VE = Bq/kg  
WA = Bq/L.  
Values for elemental uranium are reported in μg/filter, g, or mL.  
# Results by Nuclide

**Matrix:** VE  
**Radionuclide:** CO 60  
**EML Value:** 9.600  
**EML Error:** 1.700

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>9.600</td>
<td>1.700</td>
<td>1.00</td>
<td>0.25</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>8.760</td>
<td>0.920</td>
<td>0.91</td>
<td>0.19</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>8.620</td>
<td>0.880</td>
<td>0.90</td>
<td>0.18</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>8.620</td>
<td>4.000</td>
<td>1.41</td>
<td>0.49</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>13.500</td>
<td>2.300</td>
<td>0.86</td>
<td>0.27</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>8.870</td>
<td>1.230</td>
<td>0.92</td>
<td>0.21</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>1.670</td>
<td>0.750</td>
<td>0.17</td>
<td>0.07</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>6.200</td>
<td>3.200</td>
<td>1.32</td>
<td>0.41</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>12.700</td>
<td>4.500</td>
<td>1.27</td>
<td>0.31</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>7.270</td>
<td>0.500</td>
<td>0.76</td>
<td>0.20</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>7.620</td>
<td>0.500</td>
<td>0.79</td>
<td>0.34</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>6.100</td>
<td>0.870</td>
<td>0.64</td>
<td>0.14</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>10.700</td>
<td>2.270</td>
<td>1.12</td>
<td>0.31</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>6.190</td>
<td>1.400</td>
<td>0.65</td>
<td>0.19</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>9.600</td>
<td>0.800</td>
<td>1.00</td>
<td>0.20</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>7.660</td>
<td>0.000</td>
<td>0.88</td>
<td>0.14</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>5.690</td>
<td>0.140</td>
<td>0.59</td>
<td>0.11</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>9.440</td>
<td>2.440</td>
<td>0.98</td>
<td>0.31</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>17.900</td>
<td>7.940</td>
<td>1.87</td>
<td>0.98</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>8.530</td>
<td>4.170</td>
<td>0.89</td>
<td>0.46</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>2.480</td>
<td>0.140</td>
<td>0.26</td>
<td>0.05</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>8.480</td>
<td>0.000</td>
<td>0.88</td>
<td>0.16</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>7.490</td>
<td>0.628</td>
<td>0.78</td>
<td>0.15</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>8.800</td>
<td>1.700</td>
<td>0.92</td>
<td>0.24</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>10.900</td>
<td>0.800</td>
<td>1.14</td>
<td>0.22</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>8.890</td>
<td>1.900</td>
<td>0.93</td>
<td>0.26</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>9.790</td>
<td>0.866</td>
<td>1.02</td>
<td>0.20</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>8.200</td>
<td>0.140</td>
<td>0.85</td>
<td>0.15</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>11.400</td>
<td>1.400</td>
<td>1.19</td>
<td>0.26</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>7.640</td>
<td>0.000</td>
<td>0.80</td>
<td>0.14</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>10.300</td>
<td>1.790</td>
<td>1.07</td>
<td>0.27</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>9.400</td>
<td>0.600</td>
<td>0.98</td>
<td>0.18</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>7.720</td>
<td>1.580</td>
<td>0.80</td>
<td>0.22</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>9.520</td>
<td>3.000</td>
<td>0.99</td>
<td>0.36</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>9.560</td>
<td>0.870</td>
<td>1.00</td>
<td>0.19</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>8.580</td>
<td>0.420</td>
<td>0.96</td>
<td>0.18</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>1.110</td>
<td>1.110</td>
<td>0.12</td>
<td>0.12</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>1.480</td>
<td>1.480</td>
<td>0.15</td>
<td>0.16</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>2.220</td>
<td>2.220</td>
<td>0.23</td>
<td>0.24</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>6.800</td>
<td>1.400</td>
<td>0.71</td>
<td>0.19</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>8.270</td>
<td>4.780</td>
<td>0.86</td>
<td>0.52</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>7.880</td>
<td>1.820</td>
<td>0.82</td>
<td>0.24</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LW</td>
<td>1</td>
<td>7.350</td>
<td>1.810</td>
<td>0.77</td>
<td>0.23</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MA</td>
<td>1</td>
<td>9.600</td>
<td>3.000</td>
<td>1.00</td>
<td>0.36</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>12.600</td>
<td>1.100</td>
<td>1.31</td>
<td>0.26</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>7.900</td>
<td>0.970</td>
<td>0.82</td>
<td>0.18</td>
<td>W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Units for matrices:**  
AI = Bq/filter  
SO = Bq/kg  
VE = Bq/kg  
WA = Bq/L  

Values for elemental uranium are reported in µg/filter, g, or mL.  
# Results by Nuclide

**Matrix:** VE  
**Radionuclide:** CO\textsubscript{60}  
**EML Value:** 9.600  
**EML Error:** 1.700

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>1</td>
<td>9.400</td>
<td>1.600</td>
<td>0.98</td>
<td>0.24</td>
<td>A</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>8.220</td>
<td>0.540</td>
<td>0.86</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>8.400</td>
<td>1.000</td>
<td>0.88</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>OK</td>
<td>1</td>
<td>8.600</td>
<td>0.100</td>
<td>0.58</td>
<td>0.10</td>
<td>N</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>8.570</td>
<td>0.500</td>
<td>0.89</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>9.500</td>
<td>3.500</td>
<td>0.99</td>
<td>0.41</td>
<td>A</td>
</tr>
<tr>
<td>GS</td>
<td>1</td>
<td>6.900</td>
<td>0.310</td>
<td>0.72</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>GT</td>
<td>1</td>
<td>9.400</td>
<td>3.700</td>
<td>0.98</td>
<td>0.42</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>9.500</td>
<td>2.600</td>
<td>0.89</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>12.600</td>
<td>3.810</td>
<td>1.31</td>
<td>0.46</td>
<td>W</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>9.400</td>
<td>2.200</td>
<td>0.98</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>11.200</td>
<td>5.800</td>
<td>1.17</td>
<td>0.65</td>
<td>A</td>
</tr>
<tr>
<td>SS</td>
<td>1</td>
<td>9.400</td>
<td>0.600</td>
<td>0.98</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>9.910</td>
<td>1.160</td>
<td>1.03</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>10.200</td>
<td>1.000</td>
<td>1.06</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>10.900</td>
<td>2.020</td>
<td>1.14</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>2</td>
<td>9.230</td>
<td>2.590</td>
<td>0.96</td>
<td>0.32</td>
<td>A</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>7.080</td>
<td>1.270</td>
<td>0.74</td>
<td>0.19</td>
<td>W</td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>8.270</td>
<td>0.680</td>
<td>0.86</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>8.150</td>
<td>1.740</td>
<td>0.85</td>
<td>0.24</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>9.490</td>
<td>1.360</td>
<td>0.99</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>7.350</td>
<td>0.820</td>
<td>0.77</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>10.300</td>
<td>2.000</td>
<td>1.07</td>
<td>0.28</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>7.910</td>
<td>0.870</td>
<td>0.82</td>
<td>0.16</td>
<td>W</td>
</tr>
</tbody>
</table>

Total Number Reported: 70

---

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
Results by Nuclide

Matrix: VE
Radionuclide: Cs137

EML Value: 117.000
EML Error: 3.270

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>117.000</td>
<td>3.270</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>134.000</td>
<td>2.000</td>
<td>1.15</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>129.000</td>
<td>8.000</td>
<td>1.10</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>128.000</td>
<td>13.000</td>
<td>1.10</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>147.000</td>
<td>5.500</td>
<td>1.26</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>138.000</td>
<td>2.100</td>
<td>1.18</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>23.100</td>
<td>2.300</td>
<td>0.20</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>149.000</td>
<td>6.700</td>
<td>1.27</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>141.000</td>
<td>4.200</td>
<td>1.21</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>166.000</td>
<td>29.000</td>
<td>1.42</td>
<td>0.25</td>
<td>W</td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>126.000</td>
<td>0.000</td>
<td>1.08</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>231.000</td>
<td>29.700</td>
<td>1.97</td>
<td>0.26</td>
<td>N</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>129.000</td>
<td>4.000</td>
<td>1.10</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>105.000</td>
<td>11.000</td>
<td>0.90</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>110.000</td>
<td>13.300</td>
<td>0.94</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>BQ</td>
<td>1</td>
<td>116.000</td>
<td>12.000</td>
<td>0.99</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>135.000</td>
<td>11.200</td>
<td>1.16</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>103.000</td>
<td>1.000</td>
<td>0.88</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>165.000</td>
<td>8.000</td>
<td>1.41</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>124.000</td>
<td>0.000</td>
<td>1.06</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>101.000</td>
<td>5.000</td>
<td>0.86</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>135.000</td>
<td>5.920</td>
<td>1.15</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>143.000</td>
<td>16.300</td>
<td>1.22</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>132.000</td>
<td>15.000</td>
<td>1.13</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>29.600</td>
<td>1.320</td>
<td>0.26</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>140.000</td>
<td>0.000</td>
<td>1.20</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>115.000</td>
<td>8.010</td>
<td>0.98</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>125.000</td>
<td>10.000</td>
<td>1.07</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>109.000</td>
<td>5.200</td>
<td>0.93</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>143.000</td>
<td>5.650</td>
<td>1.22</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>142.000</td>
<td>8.330</td>
<td>1.21</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>134.000</td>
<td>2.000</td>
<td>1.15</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>121.000</td>
<td>12.000</td>
<td>1.03</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>140.000</td>
<td>0.000</td>
<td>1.20</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>138.000</td>
<td>2.870</td>
<td>1.18</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>132.000</td>
<td>2.000</td>
<td>1.13</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>94.000</td>
<td>10.000</td>
<td>0.90</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>144.000</td>
<td>7.000</td>
<td>1.23</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>124.000</td>
<td>2.530</td>
<td>1.06</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>127.000</td>
<td>23.100</td>
<td>1.09</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>114.000</td>
<td>8.000</td>
<td>0.97</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>132.000</td>
<td>4.000</td>
<td>1.13</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>148.000</td>
<td>15.000</td>
<td>1.27</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>LB</td>
<td>2</td>
<td>153.000</td>
<td>15.000</td>
<td>1.31</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>155.000</td>
<td>16.000</td>
<td>1.33</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>116.000</td>
<td>11.000</td>
<td>0.99</td>
<td>0.10</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: VE
Radionuclide: Cs137

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LH</td>
<td>1</td>
<td>147.000</td>
<td>33.000</td>
<td>1.26</td>
<td>0.28</td>
<td>A</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>131.000</td>
<td>4.000</td>
<td>1.12</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>LW</td>
<td>1</td>
<td>126.000</td>
<td>6.000</td>
<td>1.08</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>MA</td>
<td>1</td>
<td>159.000</td>
<td>6.700</td>
<td>1.36</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>216.000</td>
<td>3.200</td>
<td>1.85</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>105.000</td>
<td>3.300</td>
<td>0.90</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>146.000</td>
<td>1.900</td>
<td>1.25</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>120.000</td>
<td>2.100</td>
<td>1.03</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>128.000</td>
<td>6.000</td>
<td>1.10</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>OI</td>
<td>1</td>
<td>84.500</td>
<td>1.700</td>
<td>0.72</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>142.000</td>
<td>3.390</td>
<td>1.21</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>140.000</td>
<td>10.000</td>
<td>1.20</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>OS</td>
<td>1</td>
<td>108.000</td>
<td>0.570</td>
<td>0.92</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>140.000</td>
<td>10.000</td>
<td>1.20</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>140.000</td>
<td>23.000</td>
<td>1.20</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>146.000</td>
<td>11.100</td>
<td>1.25</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>134.000</td>
<td>12.000</td>
<td>1.15</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>142.000</td>
<td>16.000</td>
<td>1.21</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>134.000</td>
<td>9.800</td>
<td>1.15</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>SS</td>
<td>1</td>
<td>158.000</td>
<td>6.000</td>
<td>1.35</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>102.000</td>
<td>2.400</td>
<td>0.87</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>144.000</td>
<td>14.000</td>
<td>1.23</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>154.000</td>
<td>5.570</td>
<td>1.32</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>131.000</td>
<td>3.100</td>
<td>1.12</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>128.000</td>
<td>1.570</td>
<td>1.09</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>120.000</td>
<td>9.000</td>
<td>1.03</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>140.000</td>
<td>15.400</td>
<td>1.20</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>127.000</td>
<td>10.000</td>
<td>1.09</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>160.000</td>
<td>16.000</td>
<td>1.37</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>129.000</td>
<td>0.500</td>
<td>1.10</td>
<td>0.03</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 76

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** VE  
**Radionuclide:** K 40  
**EML Value:** 1030.000  
**EML Error:** 8.160

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>1030.000</td>
<td>8.160</td>
<td>1.00</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>1140.000</td>
<td>26.000</td>
<td>1.11</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>1150.000</td>
<td>97.000</td>
<td>1.12</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>1150.000</td>
<td>120.000</td>
<td>1.12</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>1260.000</td>
<td>61.800</td>
<td>1.22</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>1140.000</td>
<td>20.000</td>
<td>1.11</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>160.000</td>
<td>21.000</td>
<td>0.16</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>1290.000</td>
<td>51.000</td>
<td>1.25</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>1210.000</td>
<td>73.000</td>
<td>1.17</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>1020.000</td>
<td>0.000</td>
<td>0.99</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>1110.000</td>
<td>40.000</td>
<td>1.08</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>810.000</td>
<td>42.000</td>
<td>0.78</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>820.000</td>
<td>76.000</td>
<td>0.80</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>890.000</td>
<td>330.000</td>
<td>0.86</td>
<td>0.32</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>996.000</td>
<td>64.900</td>
<td>0.97</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>2</td>
<td>996.000</td>
<td>64.900</td>
<td>0.97</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>910.000</td>
<td>66.000</td>
<td>1.13</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>1160.000</td>
<td>69.600</td>
<td>1.13</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>1770.000</td>
<td>213.000</td>
<td>1.72</td>
<td>0.21</td>
<td>N</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>1370.000</td>
<td>224.000</td>
<td>1.33</td>
<td>0.22</td>
<td>W</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>334.000</td>
<td>15.600</td>
<td>0.32</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>933.000</td>
<td>0.000</td>
<td>0.91</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>940.000</td>
<td>61.200</td>
<td>0.91</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>1070.000</td>
<td>87.000</td>
<td>1.04</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>966.000</td>
<td>15.000</td>
<td>0.94</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>1170.000</td>
<td>68.400</td>
<td>1.14</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>1390.000</td>
<td>75.500</td>
<td>1.35</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>1090.000</td>
<td>15.000</td>
<td>1.06</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>1150.000</td>
<td>120.000</td>
<td>1.12</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>1230.000</td>
<td>36.000</td>
<td>1.28</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>1320.000</td>
<td>36.000</td>
<td>1.28</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>1170.000</td>
<td>72.000</td>
<td>1.14</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>1060.000</td>
<td>35.400</td>
<td>1.03</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>1240.000</td>
<td>283.000</td>
<td>1.20</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>1050.000</td>
<td>52.000</td>
<td>1.02</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>1120.000</td>
<td>19.000</td>
<td>1.09</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>1200.000</td>
<td>128.000</td>
<td>1.17</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>1200.000</td>
<td>122.000</td>
<td>1.17</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>LG</td>
<td>1</td>
<td>1210.000</td>
<td>123.000</td>
<td>1.17</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>1070.000</td>
<td>139.000</td>
<td>1.04</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>1210.000</td>
<td>298.000</td>
<td>1.17</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>1040.000</td>
<td>57.200</td>
<td>1.01</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>LW</td>
<td>1</td>
<td>995.000</td>
<td>60.000</td>
<td>0.97</td>
<td>0.06</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AL=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

### Matrix: VE
Radionuclide: K 40

**EML Value:** 1030.000  
**EML Error:** 8.160

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA</td>
<td>1</td>
<td>1110.000</td>
<td>74.000</td>
<td>1.08</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>1770.000</td>
<td>38.000</td>
<td>1.72</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>1010.000</td>
<td>55.300</td>
<td>0.98</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>1270.000</td>
<td>24.000</td>
<td>1.23</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>1170.000</td>
<td>32.800</td>
<td>1.14</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>1070.000</td>
<td>20.000</td>
<td>1.04</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>OI</td>
<td>1</td>
<td>677.000</td>
<td>17.000</td>
<td>0.66</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>1240.000</td>
<td>39.700</td>
<td>1.20</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>1300.000</td>
<td>100.000</td>
<td>1.26</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>GS</td>
<td>1</td>
<td>855.000</td>
<td>10.000</td>
<td>0.03</td>
<td>0.01</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>1000.000</td>
<td>100.000</td>
<td>0.97</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>1110.000</td>
<td>180.000</td>
<td>1.08</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>1220.000</td>
<td>188.000</td>
<td>1.18</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>1250.000</td>
<td>184.000</td>
<td>1.21</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>1200.000</td>
<td>138.000</td>
<td>1.17</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>1160.000</td>
<td>236.000</td>
<td>1.13</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>SS</td>
<td>1</td>
<td>1340.000</td>
<td>67.000</td>
<td>1.30</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>816.000</td>
<td>29.200</td>
<td>0.79</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>1240.000</td>
<td>120.000</td>
<td>1.20</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>1210.000</td>
<td>56.700</td>
<td>1.17</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>1150.000</td>
<td>38.000</td>
<td>1.12</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>1240.000</td>
<td>19.600</td>
<td>1.20</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>1100.000</td>
<td>70.000</td>
<td>1.67</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>1210.000</td>
<td>170.000</td>
<td>1.17</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>1030.000</td>
<td>130.000</td>
<td>1.00</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>1300.000</td>
<td>130.000</td>
<td>1.26</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>1120.000</td>
<td>20.000</td>
<td>1.09</td>
<td>0.02</td>
<td>A</td>
</tr>
</tbody>
</table>

**Total Number Reported:** 73

---

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

**Matrix:** VE  
**Radionuclide:** PU238  
**EML Value:** 0.089  
**EML Error:** 0.019

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>EML</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.089</td>
<td>0.019</td>
<td>1.00</td>
<td>0.31</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>0.109</td>
<td>0.012</td>
<td>1.23</td>
<td>0.30</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>0.109</td>
<td>0.011</td>
<td>1.23</td>
<td>0.30</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>0.097</td>
<td>0.009</td>
<td>1.08</td>
<td>0.26</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>0.000</td>
<td>0.244</td>
<td>0.00</td>
<td>0.11</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>0.840</td>
<td>0.680</td>
<td>9.47</td>
<td>8.05</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>0.099</td>
<td>0.023</td>
<td>1.11</td>
<td>0.36</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>0.260</td>
<td>0.190</td>
<td>2.93</td>
<td>2.24</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>0.230</td>
<td>0.080</td>
<td>2.59</td>
<td>1.07</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>0.300</td>
<td>0.260</td>
<td>3.38</td>
<td>2.37</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>0.744</td>
<td>0.000</td>
<td>8.39</td>
<td>1.93</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>0.080</td>
<td>0.030</td>
<td>1.02</td>
<td>0.41</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>0.470</td>
<td>0.170</td>
<td>5.30</td>
<td>2.24</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>0.750</td>
<td>0.080</td>
<td>8.46</td>
<td>2.06</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>0.004</td>
<td>0.000</td>
<td>0.04</td>
<td>0.01</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>EB</td>
<td>1</td>
<td>0.230</td>
<td>0.001</td>
<td>2.59</td>
<td>0.57</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>0.160</td>
<td>0.270</td>
<td>1.69</td>
<td>3.07</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>0.185</td>
<td>0.018</td>
<td>2.09</td>
<td>0.50</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>0.000</td>
<td>0.000</td>
<td>0.00</td>
<td>0.18</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>0.230</td>
<td>0.050</td>
<td>2.59</td>
<td>1.16</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>0.730</td>
<td>0.480</td>
<td>8.23</td>
<td>5.81</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>0.086</td>
<td>0.080</td>
<td>0.96</td>
<td>0.71</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>0.100</td>
<td>0.011</td>
<td>1.13</td>
<td>0.28</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>0.070</td>
<td>0.015</td>
<td>0.79</td>
<td>0.24</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>0.100</td>
<td>0.019</td>
<td>1.13</td>
<td>0.33</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>0.093</td>
<td>0.015</td>
<td>1.06</td>
<td>0.29</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>0.090</td>
<td>0.034</td>
<td>1.02</td>
<td>0.44</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>0.089</td>
<td>0.046</td>
<td>1.00</td>
<td>0.56</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>0.081</td>
<td>0.115</td>
<td>0.91</td>
<td>1.31</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>0.700</td>
<td>0.900</td>
<td>7.89</td>
<td>10.30</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>0.053</td>
<td>0.081</td>
<td>0.60</td>
<td>0.92</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>0.059</td>
<td>0.074</td>
<td>0.66</td>
<td>0.85</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>0.094</td>
<td>0.040</td>
<td>1.06</td>
<td>0.51</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>0.130</td>
<td>0.040</td>
<td>1.47</td>
<td>0.95</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>0.000</td>
<td>0.300</td>
<td>0.00</td>
<td>0.16</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>0.286</td>
<td>0.083</td>
<td>3.34</td>
<td>1.27</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>0.254</td>
<td>0.088</td>
<td>2.68</td>
<td>1.27</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>0.278</td>
<td>0.072</td>
<td>3.13</td>
<td>1.07</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.350</td>
<td>0.250</td>
<td>3.96</td>
<td>2.95</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>0.113</td>
<td>0.037</td>
<td>1.27</td>
<td>0.50</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>0.110</td>
<td>0.014</td>
<td>1.24</td>
<td>0.31</td>
<td>W</td>
<td></td>
</tr>
</tbody>
</table>

**Total Number Reported:** 41

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

**Matrix:** VE  
**Radionuclide:** PU239

**EML Value:** 1.120  
**EML Error:** 0.159

<table>
<thead>
<tr>
<th>Labocode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>1.120</td>
<td>0.158</td>
<td>1.00</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>1.060</td>
<td>0.050</td>
<td>0.95</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>1.060</td>
<td>0.110</td>
<td>0.95</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>1.160</td>
<td>0.070</td>
<td>1.04</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>1.260</td>
<td>0.490</td>
<td>1.13</td>
<td>0.47</td>
<td>A</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>1.420</td>
<td>0.600</td>
<td>1.27</td>
<td>0.56</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>1.190</td>
<td>0.370</td>
<td>1.08</td>
<td>0.36</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>1.220</td>
<td>0.250</td>
<td>0.95</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>1.190</td>
<td>0.300</td>
<td>1.06</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>1.050</td>
<td>0.130</td>
<td>0.94</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>2</td>
<td>0.890</td>
<td>0.180</td>
<td>0.80</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>0.800</td>
<td>0.500</td>
<td>0.71</td>
<td>0.48</td>
<td>W</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>1.070</td>
<td>0.000</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>1.310</td>
<td>0.200</td>
<td>1.17</td>
<td>0.24</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>1.400</td>
<td>0.250</td>
<td>1.25</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>1.470</td>
<td>1.170</td>
<td>1.31</td>
<td>1.06</td>
<td>A</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>1.310</td>
<td>0.230</td>
<td>1.17</td>
<td>0.26</td>
<td>A</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>1.180</td>
<td>0.000</td>
<td>1.05</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>EB</td>
<td>1</td>
<td>0.100</td>
<td>0.000</td>
<td>0.09</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>1.380</td>
<td>0.123</td>
<td>1.23</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>1.060</td>
<td>0.149</td>
<td>0.95</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>1.010</td>
<td>0.180</td>
<td>0.90</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>1.070</td>
<td>0.084</td>
<td>0.96</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>1.120</td>
<td>0.000</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>1.110</td>
<td>0.237</td>
<td>0.99</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>1.100</td>
<td>0.200</td>
<td>0.98</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>1.240</td>
<td>0.219</td>
<td>1.11</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>1.120</td>
<td>0.200</td>
<td>1.00</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>1.090</td>
<td>0.110</td>
<td>0.97</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>1.080</td>
<td>0.067</td>
<td>0.96</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>1.060</td>
<td>0.063</td>
<td>0.95</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>1.530</td>
<td>0.081</td>
<td>1.37</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>1.040</td>
<td>0.120</td>
<td>0.93</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>1.030</td>
<td>0.152</td>
<td>0.92</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>1.080</td>
<td>0.110</td>
<td>0.96</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>1.300</td>
<td>0.700</td>
<td>1.16</td>
<td>0.65</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>0.570</td>
<td>0.140</td>
<td>0.61</td>
<td>0.14</td>
<td>N</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>1.300</td>
<td>1.000</td>
<td>1.16</td>
<td>0.91</td>
<td>A</td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>1.100</td>
<td>0.370</td>
<td>0.98</td>
<td>0.36</td>
<td>A</td>
</tr>
<tr>
<td>PB</td>
<td>1</td>
<td>1.100</td>
<td>0.100</td>
<td>0.98</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>1.300</td>
<td>0.550</td>
<td>1.16</td>
<td>0.52</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>1.300</td>
<td>0.850</td>
<td>1.03</td>
<td>0.30</td>
<td>A</td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>1.050</td>
<td>0.160</td>
<td>0.97</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>2.170</td>
<td>0.200</td>
<td>1.94</td>
<td>0.33</td>
<td>W</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>1.190</td>
<td>0.150</td>
<td>1.06</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>0.870</td>
<td>0.500</td>
<td>0.78</td>
<td>0.46</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Nuclide

**Matrix:** VE  
**Radionuclide:** PU239  
**EML Value:** 1.120  
**EML Error:** 0.159

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM</td>
<td>1</td>
<td>1.090</td>
<td>0.139</td>
<td>0.97</td>
<td>0.19</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>1.100</td>
<td>0.217</td>
<td>0.95</td>
<td>0.24</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>1.200</td>
<td>0.141</td>
<td>1.07</td>
<td>0.20</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>1.050</td>
<td>0.240</td>
<td>0.94</td>
<td>0.25</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>3.730</td>
<td>0.948</td>
<td>3.33</td>
<td>0.97</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>1.210</td>
<td>0.290</td>
<td>1.08</td>
<td>0.30</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>0.670</td>
<td>0.440</td>
<td>0.60</td>
<td>5.40</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>1.070</td>
<td>0.078</td>
<td>0.96</td>
<td>0.15</td>
<td>A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Number Reported:** 54

---

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
# Results by Nuclide

Matrix: VE  
Radionuclide: SR 90  
EML Value: 512.000  
EML Error: 52.500

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>512.000</td>
<td>52.500</td>
<td>1.00</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>500.000</td>
<td>6.000</td>
<td>0.98</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>437.000</td>
<td>32.000</td>
<td>0.85</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>479.000</td>
<td>1.300</td>
<td>0.94</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>77.700</td>
<td>13.200</td>
<td>0.16</td>
<td>0.03</td>
<td>N</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>480.000</td>
<td>9.700</td>
<td>0.98</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>256.000</td>
<td>12.000</td>
<td>0.85</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>271.000</td>
<td>0.000</td>
<td>0.96</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>492.000</td>
<td>50.300</td>
<td>0.96</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>387.000</td>
<td>13.000</td>
<td>0.76</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>95.400</td>
<td>12.800</td>
<td>0.17</td>
<td>0.03</td>
<td>N</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>590.000</td>
<td>30.000</td>
<td>1.15</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>266.000</td>
<td>0.000</td>
<td>0.96</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>460.000</td>
<td>20.000</td>
<td>0.90</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>491.000</td>
<td>8.110</td>
<td>0.77</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>394.000</td>
<td>12.700</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>470.000</td>
<td>22.000</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>405.000</td>
<td>0.000</td>
<td>0.96</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>565.000</td>
<td>48.000</td>
<td>1.14</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>537.000</td>
<td>26.000</td>
<td>1.05</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>514.000</td>
<td>83.300</td>
<td>1.00</td>
<td>0.21</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>315.000</td>
<td>11.500</td>
<td>0.62</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>474.000</td>
<td>5.600</td>
<td>0.93</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>358.000</td>
<td>16.000</td>
<td>0.70</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>549.000</td>
<td>101.000</td>
<td>1.07</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>540.000</td>
<td>21.000</td>
<td>1.05</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>522.000</td>
<td>48.000</td>
<td>1.02</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>560.000</td>
<td>30.000</td>
<td>1.09</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>460.000</td>
<td>30.000</td>
<td>0.90</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>510.000</td>
<td>30.000</td>
<td>1.00</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>69.200</td>
<td>6.200</td>
<td>0.14</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>OA</td>
<td>1</td>
<td>480.000</td>
<td>6.000</td>
<td>0.94</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>380.000</td>
<td>20.000</td>
<td>0.74</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>440.000</td>
<td>30.000</td>
<td>0.86</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>371.000</td>
<td>8.500</td>
<td>0.73</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>FC</td>
<td>2</td>
<td>370.000</td>
<td>8.500</td>
<td>0.72</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>484.000</td>
<td>55.000</td>
<td>0.85</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>188.000</td>
<td>57.000</td>
<td>0.37</td>
<td>0.12</td>
<td>N</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>274.000</td>
<td>28.000</td>
<td>0.54</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>269.000</td>
<td>36.400</td>
<td>0.52</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>430.000</td>
<td>10.000</td>
<td>0.84</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>610.000</td>
<td>37.000</td>
<td>1.19</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>531.000</td>
<td>53.000</td>
<td>1.04</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>559.000</td>
<td>75.800</td>
<td>1.09</td>
<td>0.19</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
Results by Nuclide

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Report Value</th>
<th>Error</th>
<th>Report EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>WA</td>
<td>1</td>
<td>560.000</td>
<td>11.000</td>
<td>1.09</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>469.000</td>
<td>69.000</td>
<td>0.92</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>435.000</td>
<td>88.000</td>
<td>0.86</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>440.000</td>
<td>37.000</td>
<td>0.86</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>475.000</td>
<td>21.000</td>
<td>0.93</td>
<td>0.10</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 51

Units for matrices: AI=Bg/filter SO=Bg/kg VE=Bg/kg WA=Bg/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
# Results by Nuclide

**Matrix:** WA  
**Radionuclide:** AM241  
**EML Value:** 1.330  
**EML Error:** 0.073

<table>
<thead>
<tr>
<th>Lahcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>1.330</td>
<td>0.073</td>
<td>1.00</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>1.400</td>
<td>0.130</td>
<td>1.05</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>AE</td>
<td>1</td>
<td>1.140</td>
<td>0.050</td>
<td>0.86</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>1.460</td>
<td>0.070</td>
<td>1.10</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>1.460</td>
<td>0.150</td>
<td>1.10</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>2.570</td>
<td>1.220</td>
<td>1.93</td>
<td>0.92</td>
<td>N</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>1.380</td>
<td>0.930</td>
<td>1.04</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>1.510</td>
<td>0.150</td>
<td>1.14</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>0.930</td>
<td>0.70</td>
<td>0.70</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>1.250</td>
<td>0.085</td>
<td>0.84</td>
<td>0.24</td>
<td>A</td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>0.790</td>
<td>0.320</td>
<td>0.59</td>
<td>0.24</td>
<td>W</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>1.410</td>
<td>0.037</td>
<td>1.06</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>1.470</td>
<td>0.060</td>
<td>1.11</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>2</td>
<td>1.380</td>
<td>0.060</td>
<td>1.04</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>1.330</td>
<td>0.150</td>
<td>1.00</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>1.170</td>
<td>0.400</td>
<td>0.88</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>0.900</td>
<td>0.200</td>
<td>0.68</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>0.814</td>
<td>0.000</td>
<td>0.61</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>1.370</td>
<td>0.110</td>
<td>1.03</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>1.320</td>
<td>0.238</td>
<td>0.99</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>2.210</td>
<td>0.590</td>
<td>1.66</td>
<td>0.45</td>
<td>N</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>1.130</td>
<td>0.160</td>
<td>0.85</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>1.550</td>
<td>0.180</td>
<td>1.17</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>EB</td>
<td>1</td>
<td>1.250</td>
<td>0.091</td>
<td>0.94</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>1.370</td>
<td>0.100</td>
<td>1.03</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>1.370</td>
<td>0.090</td>
<td>1.03</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>0.350</td>
<td>0.020</td>
<td>0.26</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>1.310</td>
<td>0.171</td>
<td>0.99</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>1.520</td>
<td>0.099</td>
<td>1.14</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>1.720</td>
<td>0.300</td>
<td>1.29</td>
<td>0.24</td>
<td>W</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>1.700</td>
<td>0.040</td>
<td>1.28</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>1.590</td>
<td>0.000</td>
<td>1.20</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>0.800</td>
<td>0.090</td>
<td>0.60</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>1.170</td>
<td>0.200</td>
<td>0.88</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>1.800</td>
<td>1.600</td>
<td>1.35</td>
<td>1.21</td>
<td>W</td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>3.400</td>
<td>1.100</td>
<td>2.56</td>
<td>0.84</td>
<td>N</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>1.340</td>
<td>0.192</td>
<td>1.01</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>1.550</td>
<td>0.290</td>
<td>1.17</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>1.410</td>
<td>0.540</td>
<td>1.06</td>
<td>0.41</td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>0.957</td>
<td>0.138</td>
<td>0.72</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>0.112</td>
<td>0.016</td>
<td>0.08</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>0.118</td>
<td>0.018</td>
<td>0.09</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>0.125</td>
<td>0.018</td>
<td>0.09</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>1.800</td>
<td>0.000</td>
<td>1.35</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>1.340</td>
<td>0.230</td>
<td>1.01</td>
<td>0.18</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>MI</td>
<td>1</td>
<td>2.750</td>
<td>0.173</td>
<td>2.07</td>
<td>0.17</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>MI</td>
<td>2</td>
<td>2.710</td>
<td>0.171</td>
<td>2.04</td>
<td>0.17</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>1.320</td>
<td>0.060</td>
<td>0.99</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>1.700</td>
<td>0.570</td>
<td>1.28</td>
<td>0.43</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>1.370</td>
<td>0.128</td>
<td>1.03</td>
<td>0.11</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>1.400</td>
<td>0.100</td>
<td>1.06</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>1.200</td>
<td>0.200</td>
<td>0.90</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>1.500</td>
<td>0.160</td>
<td>1.13</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>1.310</td>
<td>0.240</td>
<td>0.99</td>
<td>0.19</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>1.440</td>
<td>0.162</td>
<td>1.08</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RG</td>
<td>1</td>
<td>1.370</td>
<td>0.456</td>
<td>1.03</td>
<td>0.35</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RG</td>
<td>2</td>
<td>1.370</td>
<td>0.460</td>
<td>1.03</td>
<td>0.35</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>1.400</td>
<td>0.180</td>
<td>1.06</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>1.200</td>
<td>0.030</td>
<td>0.90</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>1.430</td>
<td>0.080</td>
<td>1.08</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>1.340</td>
<td>0.190</td>
<td>1.01</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>1.680</td>
<td>0.120</td>
<td>1.26</td>
<td>0.11</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>1.400</td>
<td>0.200</td>
<td>1.05</td>
<td>0.16</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>1.380</td>
<td>0.086</td>
<td>1.04</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>1.360</td>
<td>0.207</td>
<td>1.02</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>1.310</td>
<td>0.181</td>
<td>0.99</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>1.310</td>
<td>0.370</td>
<td>0.99</td>
<td>0.28</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>1.600</td>
<td>0.400</td>
<td>1.20</td>
<td>0.31</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>1.310</td>
<td>0.090</td>
<td>0.99</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>1.630</td>
<td>0.285</td>
<td>1.23</td>
<td>0.23</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>1.300</td>
<td>0.190</td>
<td>0.98</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>1.590</td>
<td>0.004</td>
<td>1.20</td>
<td>0.07</td>
<td>W</td>
<td></td>
</tr>
</tbody>
</table>

Total Number Reported: 73

Units for matrices: Al=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

Matrix: WA  
Radionuclide: CO 60

EML Value: 196.000  
EML Error: 3.490

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>196.000</td>
<td>3.490</td>
<td>1.00</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>208.000</td>
<td>3.000</td>
<td>1.06</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AE</td>
<td>1</td>
<td>207.000</td>
<td>8.000</td>
<td>1.06</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>202.000</td>
<td>15.000</td>
<td>1.03</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>202.000</td>
<td>20.000</td>
<td>1.03</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>233.000</td>
<td>1.590</td>
<td>1.19</td>
<td>0.02</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>233.000</td>
<td>3.400</td>
<td>1.19</td>
<td>0.03</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>218.000</td>
<td>11.000</td>
<td>1.11</td>
<td>0.06</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>221.000</td>
<td>8.900</td>
<td>1.13</td>
<td>0.05</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>208.000</td>
<td>1.800</td>
<td>1.06</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>195.000</td>
<td>29.300</td>
<td>1.00</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>212.000</td>
<td>7.400</td>
<td>1.08</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>210.000</td>
<td>17.300</td>
<td>1.07</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BK</td>
<td>1</td>
<td>219.000</td>
<td>3.290</td>
<td>1.12</td>
<td>0.03</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>230.000</td>
<td>7.000</td>
<td>1.17</td>
<td>0.04</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>198.000</td>
<td>2.400</td>
<td>1.01</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>206.000</td>
<td>12.200</td>
<td>1.05</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BO</td>
<td>1</td>
<td>226.000</td>
<td>1.000</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>204.000</td>
<td>3.700</td>
<td>1.05</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>206.000</td>
<td>0.800</td>
<td>1.05</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>230.000</td>
<td>10.000</td>
<td>1.07</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>206.000</td>
<td>0.000</td>
<td>1.12</td>
<td>0.03</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>221.000</td>
<td>3.400</td>
<td>1.13</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>195.000</td>
<td>3.000</td>
<td>1.00</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>186.000</td>
<td>3.370</td>
<td>0.95</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>233.000</td>
<td>6.450</td>
<td>1.19</td>
<td>0.04</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>207.000</td>
<td>24.000</td>
<td>1.06</td>
<td>0.12</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>211.000</td>
<td>6.440</td>
<td>1.08</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>230.000</td>
<td>0.000</td>
<td>1.17</td>
<td>0.02</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>204.000</td>
<td>7.020</td>
<td>1.04</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>209.000</td>
<td>15.000</td>
<td>1.07</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>195.000</td>
<td>8.300</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>245.000</td>
<td>10.200</td>
<td>1.25</td>
<td>0.06</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>210.000</td>
<td>1.680</td>
<td>1.07</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>247.000</td>
<td>8.100</td>
<td>1.26</td>
<td>0.05</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>234.000</td>
<td>9.600</td>
<td>1.19</td>
<td>0.05</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>206.000</td>
<td>1.000</td>
<td>1.02</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FM</td>
<td>1</td>
<td>206.000</td>
<td>2.300</td>
<td>1.05</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>198.000</td>
<td>14.000</td>
<td>1.01</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>212.000</td>
<td>0.000</td>
<td>1.08</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>203.000</td>
<td>3.420</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>220.000</td>
<td>30.000</td>
<td>1.12</td>
<td>0.15</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>201.000</td>
<td>10.400</td>
<td>1.03</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>181.000</td>
<td>15.600</td>
<td>0.92</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>218.000</td>
<td>11.000</td>
<td>1.11</td>
<td>0.06</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>207.000</td>
<td>1.490</td>
<td>1.06</td>
<td>0.02</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
# Results by Nuclide

**Matrix:** WA  
**Radionuclide:** CO 60

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Ratio</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>IN</td>
<td>1</td>
<td>227.000</td>
<td>17.200</td>
<td>1.16</td>
<td>0.09</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>219.000</td>
<td>11.000</td>
<td>1.12</td>
<td>0.06</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>228.000</td>
<td>3.700</td>
<td>1.16</td>
<td>0.03</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>208.000</td>
<td>3.000</td>
<td>1.06</td>
<td>0.02</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>216.000</td>
<td>22.000</td>
<td>1.10</td>
<td>0.11</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>216.000</td>
<td>22.000</td>
<td>1.10</td>
<td>0.11</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>219.000</td>
<td>22.000</td>
<td>1.12</td>
<td>0.11</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>227.000</td>
<td>14.000</td>
<td>1.16</td>
<td>0.07</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>193.000</td>
<td>21.000</td>
<td>0.99</td>
<td>0.11</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>200.000</td>
<td>5.250</td>
<td>1.02</td>
<td>0.03</td>
</tr>
<tr>
<td>LM</td>
<td>1</td>
<td>250.000</td>
<td>8.400</td>
<td>1.28</td>
<td>0.05</td>
</tr>
<tr>
<td>LW</td>
<td>1</td>
<td>165.000</td>
<td>5.180</td>
<td>0.94</td>
<td>0.03</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>208.000</td>
<td>9.580</td>
<td>1.05</td>
<td>0.06</td>
</tr>
<tr>
<td>MI</td>
<td>1</td>
<td>224.000</td>
<td>7.330</td>
<td>1.14</td>
<td>0.04</td>
</tr>
<tr>
<td>MI</td>
<td>2</td>
<td>228.000</td>
<td>7.460</td>
<td>1.16</td>
<td>0.04</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>211.000</td>
<td>1.200</td>
<td>1.08</td>
<td>0.02</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>203.000</td>
<td>4.100</td>
<td>1.04</td>
<td>0.03</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>213.000</td>
<td>14.000</td>
<td>1.09</td>
<td>0.07</td>
</tr>
<tr>
<td>NJ</td>
<td>2</td>
<td>218.000</td>
<td>5.000</td>
<td>1.12</td>
<td>0.03</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>208.000</td>
<td>4.000</td>
<td>1.02</td>
<td>0.03</td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>208.000</td>
<td>1.970</td>
<td>1.07</td>
<td>0.02</td>
</tr>
<tr>
<td>DI</td>
<td>1</td>
<td>169.000</td>
<td>1.000</td>
<td>0.88</td>
<td>0.02</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>214.000</td>
<td>2.200</td>
<td>1.09</td>
<td>0.02</td>
</tr>
<tr>
<td>DR</td>
<td>1</td>
<td>200.000</td>
<td>10.000</td>
<td>1.02</td>
<td>0.06</td>
</tr>
<tr>
<td>DS</td>
<td>1</td>
<td>191.000</td>
<td>0.770</td>
<td>0.97</td>
<td>0.02</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>200.000</td>
<td>10.000</td>
<td>1.02</td>
<td>0.05</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>197.000</td>
<td>13.000</td>
<td>1.01</td>
<td>0.07</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>216.000</td>
<td>11.300</td>
<td>1.10</td>
<td>0.06</td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>69.800</td>
<td>0.800</td>
<td>0.46</td>
<td>0.01</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>217.000</td>
<td>3.000</td>
<td>1.11</td>
<td>0.03</td>
</tr>
<tr>
<td>SA</td>
<td>1</td>
<td>205.000</td>
<td>20.000</td>
<td>1.05</td>
<td>0.10</td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>206.000</td>
<td>1.000</td>
<td>1.05</td>
<td>0.02</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>219.000</td>
<td>10.000</td>
<td>1.12</td>
<td>0.05</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>216.000</td>
<td>4.000</td>
<td>1.10</td>
<td>0.03</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>213.000</td>
<td>1.300</td>
<td>1.09</td>
<td>0.02</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>228.000</td>
<td>22.800</td>
<td>1.16</td>
<td>0.12</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>214.000</td>
<td>6.510</td>
<td>1.09</td>
<td>0.04</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>216.000</td>
<td>7.200</td>
<td>1.08</td>
<td>0.04</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>212.000</td>
<td>4.180</td>
<td>1.08</td>
<td>0.03</td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>194.000</td>
<td>1.490</td>
<td>0.99</td>
<td>0.02</td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>227.000</td>
<td>3.400</td>
<td>1.16</td>
<td>0.03</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>213.000</td>
<td>4.030</td>
<td>1.09</td>
<td>0.03</td>
</tr>
<tr>
<td>UE</td>
<td>1</td>
<td>220.000</td>
<td>13.000</td>
<td>1.12</td>
<td>0.07</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>206.000</td>
<td>4.000</td>
<td>1.05</td>
<td>0.03</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>220.000</td>
<td>22.500</td>
<td>1.12</td>
<td>0.12</td>
</tr>
<tr>
<td>WI</td>
<td>1</td>
<td>212.000</td>
<td>16.000</td>
<td>1.08</td>
<td>0.08</td>
</tr>
</tbody>
</table>

*Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.*
Results by Nuclide

Matrix: WA
Radionuclide: CO 60

EML Value: 196.000
EML Error: 3.490

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>WN</td>
<td>1</td>
<td>213.000</td>
<td>12.000</td>
<td>1.09</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>211.000</td>
<td>21.000</td>
<td>1.08</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>WV</td>
<td>1</td>
<td>210.000</td>
<td>2.000</td>
<td>1.07</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>200.000</td>
<td>1.000</td>
<td>1.02</td>
<td>0.02</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 96

Units for matrices: AI=Bq/filter, SQ=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** WA  
**Radionuclide:** CS134  
**EML Value:** 83.500  
**EML Error:** 1.800

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>83.500</td>
<td>1.800</td>
<td>1.00</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>85.500</td>
<td>1.700</td>
<td>1.14</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>AE</td>
<td>1</td>
<td>89.000</td>
<td>8.000</td>
<td>1.19</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>103.000</td>
<td>3.000</td>
<td>1.31</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>109.000</td>
<td>11.000</td>
<td>1.31</td>
<td>0.14</td>
<td>N</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>96.100</td>
<td>1.180</td>
<td>1.15</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>94.700</td>
<td>0.100</td>
<td>1.13</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>90.300</td>
<td>5.100</td>
<td>1.08</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>86.500</td>
<td>3.500</td>
<td>1.04</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>83.600</td>
<td>2.700</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>82.700</td>
<td>12.400</td>
<td>0.99</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>88.200</td>
<td>5.700</td>
<td>1.06</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>91.500</td>
<td>7.610</td>
<td>1.10</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>BK</td>
<td>1</td>
<td>90.200</td>
<td>3.020</td>
<td>1.08</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>98.000</td>
<td>2.800</td>
<td>1.17</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>99.200</td>
<td>1.600</td>
<td>1.15</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>96.000</td>
<td>5.290</td>
<td>1.16</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>BG</td>
<td>1</td>
<td>88.900</td>
<td>0.700</td>
<td>1.07</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>101.000</td>
<td>2.900</td>
<td>1.21</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>89.600</td>
<td>0.600</td>
<td>1.07</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>104.000</td>
<td>8.000</td>
<td>1.25</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>89.500</td>
<td>0.000</td>
<td>1.07</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>94.200</td>
<td>0.500</td>
<td>1.13</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>95.100</td>
<td>1.400</td>
<td>1.02</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>87.700</td>
<td>2.240</td>
<td>1.06</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>102.000</td>
<td>3.080</td>
<td>1.22</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>79.900</td>
<td>9.100</td>
<td>0.96</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>88.100</td>
<td>1.740</td>
<td>1.05</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>95.700</td>
<td>0.000</td>
<td>1.15</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>82.100</td>
<td>2.690</td>
<td>0.98</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>92.000</td>
<td>6.000</td>
<td>1.10</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>77.300</td>
<td>4.100</td>
<td>0.93</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>105.000</td>
<td>98.800</td>
<td>1.26</td>
<td>1.18</td>
<td>W</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>92.700</td>
<td>0.970</td>
<td>1.11</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>98.300</td>
<td>3.020</td>
<td>1.18</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>116.000</td>
<td>4.300</td>
<td>1.39</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>87.200</td>
<td>0.300</td>
<td>1.04</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>FM</td>
<td>1</td>
<td>89.000</td>
<td>0.980</td>
<td>1.06</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>86.800</td>
<td>6.200</td>
<td>1.04</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>82.600</td>
<td>0.000</td>
<td>0.99</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>87.300</td>
<td>2.140</td>
<td>1.06</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>91.000</td>
<td>10.000</td>
<td>1.09</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>82.100</td>
<td>4.600</td>
<td>0.98</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>87.300</td>
<td>6.000</td>
<td>1.05</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>0.000</td>
<td>2.000</td>
<td>0.00</td>
<td>0.08</td>
<td>N</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>96.000</td>
<td>5.000</td>
<td>1.15</td>
<td>0.06</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

### Matrix: WA
#### Radiounclide: CS134

**EML Value:** 83.500  
**EML Error:** 1.800

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>IE</td>
<td>1</td>
<td>91.000</td>
<td>0.990</td>
<td>1.09</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>97.800</td>
<td>7.800</td>
<td>1.07</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>92.100</td>
<td>4.600</td>
<td>1.10</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>96.200</td>
<td>2.340</td>
<td>1.15</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>86.700</td>
<td>3.000</td>
<td>1.04</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>93.200</td>
<td>10.000</td>
<td>1.12</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>94.200</td>
<td>10.200</td>
<td>1.13</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>92.900</td>
<td>10.000</td>
<td>1.11</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>103.000</td>
<td>5.100</td>
<td>1.23</td>
<td>0.61</td>
<td>W</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>80.100</td>
<td>9.700</td>
<td>0.95</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>92.000</td>
<td>3.420</td>
<td>1.10</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>LW</td>
<td>1</td>
<td>83.300</td>
<td>3.600</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>82.800</td>
<td>1.790</td>
<td>0.99</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>91.100</td>
<td>0.700</td>
<td>1.09</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>90.200</td>
<td>3.400</td>
<td>1.08</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>92.200</td>
<td>10.700</td>
<td>1.10</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>2</td>
<td>97.000</td>
<td>5.000</td>
<td>1.16</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>81.000</td>
<td>2.000</td>
<td>0.97</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>82.300</td>
<td>1.780</td>
<td>0.99</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>OI</td>
<td>1</td>
<td>79.200</td>
<td>1.000</td>
<td>0.95</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>87.700</td>
<td>1.900</td>
<td>1.05</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>83.000</td>
<td>2.000</td>
<td>0.99</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>OS</td>
<td>1</td>
<td>87.400</td>
<td>0.392</td>
<td>1.05</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>87.000</td>
<td>1.000</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>88.000</td>
<td>5.400</td>
<td>1.05</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>85.800</td>
<td>5.060</td>
<td>1.03</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>38.600</td>
<td>0.700</td>
<td>0.46</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>91.100</td>
<td>2.000</td>
<td>1.09</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>SA</td>
<td>1</td>
<td>82.000</td>
<td>8.000</td>
<td>0.98</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>88.000</td>
<td>1.000</td>
<td>1.05</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>95.200</td>
<td>6.200</td>
<td>1.14</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>88.000</td>
<td>2.000</td>
<td>1.05</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>92.200</td>
<td>0.800</td>
<td>1.07</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>94.000</td>
<td>9.400</td>
<td>1.13</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>92.500</td>
<td>2.910</td>
<td>1.11</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>104.000</td>
<td>7.800</td>
<td>1.25</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>87.400</td>
<td>2.840</td>
<td>1.05</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>11.100</td>
<td>1.500</td>
<td>0.13</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>91.800</td>
<td>5.360</td>
<td>1.10</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>96.000</td>
<td>8.300</td>
<td>1.15</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>86.100</td>
<td>4.400</td>
<td>1.03</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>74.200</td>
<td>8.000</td>
<td>0.99</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>WI</td>
<td>1</td>
<td>93.700</td>
<td>5.690</td>
<td>1.12</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>89.000</td>
<td>5.000</td>
<td>1.07</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>87.300</td>
<td>8.900</td>
<td>1.05</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>WV</td>
<td>1</td>
<td>87.000</td>
<td>1.100</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
</tr>
</tbody>
</table>

**Units for matrices:** AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
Results by Nuclide

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>YA</td>
<td>1</td>
<td>84.400</td>
<td>1.300</td>
<td>1.01</td>
<td>0.03</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 93

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

**Matrix:** WA  
**Radionuclide:** CS137  
**EML Value:** 76.800  
**EML Error:** 2.280

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>76.800</td>
<td>2.280</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>91.600</td>
<td>0.900</td>
<td>1.19</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>AE</td>
<td>1</td>
<td>84.000</td>
<td>5.700</td>
<td>1.09</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>109.000</td>
<td>3.000</td>
<td>1.42</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>AG</td>
<td>3</td>
<td>87.700</td>
<td>2.400</td>
<td>1.14</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>4</td>
<td>87.700</td>
<td>8.800</td>
<td>1.14</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>97.200</td>
<td>1.680</td>
<td>1.27</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>91.000</td>
<td>2.200</td>
<td>1.18</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>87.700</td>
<td>5.300</td>
<td>1.18</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>109.000</td>
<td>5.700</td>
<td>1.18</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>82.200</td>
<td>2.900</td>
<td>1.07</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>78.700</td>
<td>11.800</td>
<td>1.03</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>82.300</td>
<td>7.200</td>
<td>1.07</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>87.700</td>
<td>0.000</td>
<td>1.13</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>87.600</td>
<td>7.690</td>
<td>1.14</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>BK</td>
<td>1</td>
<td>82.600</td>
<td>3.970</td>
<td>1.21</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>88.300</td>
<td>2.500</td>
<td>1.15</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>90.000</td>
<td>1.800</td>
<td>1.17</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>96.000</td>
<td>6.000</td>
<td>1.25</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>BO</td>
<td>1</td>
<td>85.200</td>
<td>0.600</td>
<td>1.11</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>95.900</td>
<td>3.780</td>
<td>1.25</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>82.200</td>
<td>0.500</td>
<td>1.07</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>99.000</td>
<td>7.000</td>
<td>1.29</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>88.400</td>
<td>0.000</td>
<td>1.15</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>92.500</td>
<td>0.300</td>
<td>1.20</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>83.000</td>
<td>1.500</td>
<td>1.08</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>81.800</td>
<td>2.260</td>
<td>1.07</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>99.800</td>
<td>3.340</td>
<td>1.30</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>80.000</td>
<td>8.600</td>
<td>1.04</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>85.000</td>
<td>3.680</td>
<td>1.11</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>95.000</td>
<td>0.000</td>
<td>1.24</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>82.900</td>
<td>1.620</td>
<td>1.08</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>85.000</td>
<td>6.000</td>
<td>1.11</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>68.900</td>
<td>3.100</td>
<td>0.90</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>EM</td>
<td>2</td>
<td>68.900</td>
<td>3.100</td>
<td>0.90</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>RP</td>
<td>1</td>
<td>98.600</td>
<td>7.330</td>
<td>1.28</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>88.500</td>
<td>1.380</td>
<td>1.15</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>95.100</td>
<td>5.860</td>
<td>1.24</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>98.800</td>
<td>3.700</td>
<td>1.29</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>83.200</td>
<td>0.500</td>
<td>1.08</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>FM</td>
<td>1</td>
<td>84.000</td>
<td>1.420</td>
<td>1.09</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>80.000</td>
<td>8.100</td>
<td>1.04</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>84.500</td>
<td>0.000</td>
<td>1.10</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>87.100</td>
<td>2.340</td>
<td>1.17</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>89.900</td>
<td>9.000</td>
<td>1.17</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>81.200</td>
<td>4.700</td>
<td>1.06</td>
<td>0.07</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: WA
Radionuclide: CS137

EML Value: 76.800
EML Error: 2.280

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>HL</td>
<td>1</td>
<td>90.600</td>
<td>11.000</td>
<td>1.18</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>148.000</td>
<td>2.000</td>
<td>1.93</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>91.000</td>
<td>5.000</td>
<td>1.18</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>87.300</td>
<td>0.990</td>
<td>1.14</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>87.500</td>
<td>7.400</td>
<td>1.14</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>89.400</td>
<td>4.500</td>
<td>1.16</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>94.000</td>
<td>1.110</td>
<td>1.22</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>83.300</td>
<td>3.000</td>
<td>1.09</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>88.700</td>
<td>9.500</td>
<td>1.16</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>87.500</td>
<td>9.400</td>
<td>1.14</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>88.900</td>
<td>9.600</td>
<td>1.16</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>90.000</td>
<td>43.000</td>
<td>1.17</td>
<td>0.56</td>
<td>W</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>87.100</td>
<td>14.700</td>
<td>1.13</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>83.500</td>
<td>4.170</td>
<td>1.09</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>LM</td>
<td>1</td>
<td>96.000</td>
<td>5.600</td>
<td>1.25</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>LW</td>
<td>1</td>
<td>80.800</td>
<td>4.100</td>
<td>1.05</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>80.100</td>
<td>2.610</td>
<td>1.04</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>MI</td>
<td>1</td>
<td>77.500</td>
<td>3.660</td>
<td>1.01</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>MI</td>
<td>2</td>
<td>80.300</td>
<td>3.780</td>
<td>1.05</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>86.100</td>
<td>1.000</td>
<td>1.12</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>79.900</td>
<td>2.400</td>
<td>1.04</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>85.000</td>
<td>8.000</td>
<td>1.11</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>2</td>
<td>88.000</td>
<td>5.000</td>
<td>1.15</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>78.000</td>
<td>2.000</td>
<td>1.02</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>84.300</td>
<td>2.870</td>
<td>1.10</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>OI</td>
<td>1</td>
<td>72.300</td>
<td>0.800</td>
<td>0.84</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>87.800</td>
<td>1.800</td>
<td>1.14</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>81.000</td>
<td>3.000</td>
<td>1.05</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>OS</td>
<td>1</td>
<td>83.000</td>
<td>3.000</td>
<td>1.08</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>84.000</td>
<td>2.000</td>
<td>1.09</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>87.000</td>
<td>8.600</td>
<td>1.13</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>86.600</td>
<td>5.200</td>
<td>1.13</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>37.900</td>
<td>0.700</td>
<td>0.49</td>
<td>0.02</td>
<td>N</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>65.100</td>
<td>2.700</td>
<td>1.11</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>SA</td>
<td>1</td>
<td>81.000</td>
<td>8.000</td>
<td>1.05</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>81.000</td>
<td>1.000</td>
<td>1.05</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>86.900</td>
<td>4.600</td>
<td>1.13</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>89.000</td>
<td>3.000</td>
<td>1.16</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>87.700</td>
<td>1.200</td>
<td>1.14</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>95.800</td>
<td>9.600</td>
<td>1.25</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>90.100</td>
<td>2.880</td>
<td>1.17</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>80.400</td>
<td>6.010</td>
<td>1.05</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>88.700</td>
<td>2.600</td>
<td>1.16</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>78.600</td>
<td>0.870</td>
<td>1.02</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>85.800</td>
<td>2.700</td>
<td>1.12</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>87.300</td>
<td>5.480</td>
<td>1.14</td>
<td>0.08</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: WA
Radionuclide: CS137

EML Value: 76.800
EML Error: 2.280

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>UY</td>
<td>1</td>
<td>91.000</td>
<td>13.000</td>
<td>1.18</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>83.600</td>
<td>6.300</td>
<td>1.09</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>89.200</td>
<td>14.800</td>
<td>1.16</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>WI</td>
<td>1</td>
<td>84.900</td>
<td>9.290</td>
<td>1.11</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>88.900</td>
<td>5.000</td>
<td>1.16</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>85.100</td>
<td>8.500</td>
<td>1.11</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>WV</td>
<td>1</td>
<td>83.000</td>
<td>1.200</td>
<td>1.08</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>80.600</td>
<td>1.600</td>
<td>1.05</td>
<td>0.04</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 100

Units for matrices: Al=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** WA  
**Radionuclide:** FE 55  
**EML Value:** 119.000  
**EML Error:** 5.820

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Ratio EML</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>119.000</td>
<td>5.820</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>151.000</td>
<td>15.000</td>
<td>1.27</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>95.000</td>
<td>6.000</td>
<td>0.80</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>2</td>
<td>111.000</td>
<td>6.000</td>
<td>0.93</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>40.000</td>
<td>3.000</td>
<td>0.41</td>
<td>0.03</td>
<td>N</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>115.000</td>
<td>0.000</td>
<td>0.97</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>116.000</td>
<td>3.000</td>
<td>0.98</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>149.000</td>
<td>15.500</td>
<td>1.25</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>40.600</td>
<td>4.000</td>
<td>0.34</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>148.000</td>
<td>6.000</td>
<td>1.24</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>108.000</td>
<td>16.000</td>
<td>0.91</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>0.000</td>
<td>0.000</td>
<td>0.00</td>
<td>0.14</td>
<td>N</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>148.000</td>
<td>22.200</td>
<td>1.24</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>117.000</td>
<td>10.400</td>
<td>0.98</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>146.000</td>
<td>28.000</td>
<td>1.23</td>
<td>0.24</td>
<td>W</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>114.000</td>
<td>1.000</td>
<td>0.96</td>
<td>0.05</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 16

Units for matrices: AI=Bq/filter SO=Bq/kg VE=Bq/kg WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

Matrix: WA  
Radionuclide: GA

EML Value: 1340.000  
EML Error: 40.000

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>1340.000</td>
<td>40.000</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>1420.000</td>
<td>142.000</td>
<td>1.06</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>1010.000</td>
<td>12.900</td>
<td>0.75</td>
<td>0.02</td>
<td>W</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>1430.000</td>
<td>72.000</td>
<td>1.07</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>1400.000</td>
<td>60.000</td>
<td>1.04</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>1660.000</td>
<td>0.000</td>
<td>1.24</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>1560.000</td>
<td>185.000</td>
<td>1.16</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>1550.000</td>
<td>28.000</td>
<td>1.01</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>1440.000</td>
<td>30.000</td>
<td>1.08</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>BY</td>
<td>1</td>
<td>1630.000</td>
<td>0.000</td>
<td>1.22</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>1120.000</td>
<td>80.000</td>
<td>0.84</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>1400.000</td>
<td>100.000</td>
<td>1.04</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>1470.000</td>
<td>55.600</td>
<td>1.10</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>1650.000</td>
<td>67.000</td>
<td>1.23</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>1390.000</td>
<td>0.000</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>1880.000</td>
<td>39.500</td>
<td>1.40</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>1330.000</td>
<td>89.000</td>
<td>0.99</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>1460.000</td>
<td>175.000</td>
<td>1.09</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>1320.000</td>
<td>8.380</td>
<td>0.99</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>1320.000</td>
<td>56.000</td>
<td>0.99</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>1770.000</td>
<td>60.000</td>
<td>1.32</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>1400.000</td>
<td>0.000</td>
<td>1.04</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>1750.000</td>
<td>89.100</td>
<td>1.31</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>GS</td>
<td>1</td>
<td>1810.000</td>
<td>79.000</td>
<td>1.35</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>1300.000</td>
<td>200.000</td>
<td>0.97</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>HC</td>
<td>1</td>
<td>1360.000</td>
<td>156.000</td>
<td>1.02</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>612.000</td>
<td>50.000</td>
<td>0.46</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>1510.000</td>
<td>18.300</td>
<td>1.13</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>IR</td>
<td>1</td>
<td>1100.000</td>
<td>0.074</td>
<td>0.82</td>
<td>0.02</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>1840.000</td>
<td>184.000</td>
<td>1.37</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>1300.000</td>
<td>91.400</td>
<td>0.97</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>1660.000</td>
<td>127.000</td>
<td>1.24</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>1700.000</td>
<td>333.000</td>
<td>1.27</td>
<td>0.25</td>
<td>W</td>
</tr>
<tr>
<td>LB</td>
<td>3</td>
<td>1630.000</td>
<td>333.000</td>
<td>1.22</td>
<td>0.25</td>
<td>W</td>
</tr>
<tr>
<td>LC</td>
<td>3</td>
<td>1670.000</td>
<td>333.000</td>
<td>1.25</td>
<td>0.25</td>
<td>W</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>1730.000</td>
<td>207.000</td>
<td>1.29</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>1060.000</td>
<td>101.000</td>
<td>0.81</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>1480.000</td>
<td>84.900</td>
<td>1.10</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>OB</td>
<td>1</td>
<td>1320.000</td>
<td>130.000</td>
<td>0.99</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>1500.000</td>
<td>100.000</td>
<td>1.12</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>1110.000</td>
<td>25.800</td>
<td>0.83</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>PA</td>
<td>2</td>
<td>1470.000</td>
<td>18.000</td>
<td>1.10</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>RG</td>
<td>1</td>
<td>1450.000</td>
<td>51.000</td>
<td>1.08</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>1810.000</td>
<td>36.000</td>
<td>1.35</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>1170.000</td>
<td>120.000</td>
<td>0.87</td>
<td>0.09</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: WA  
Radionuclide: GA

EML Value: 1340.000  
EML Error: 40.000

<table>
<thead>
<tr>
<th>Lebcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR</td>
<td>1</td>
<td>1240.000</td>
<td>47.000</td>
<td>0.93</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>SV</td>
<td>1</td>
<td>105.000</td>
<td>12.000</td>
<td>0.08</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>1480.000</td>
<td>740.000</td>
<td>1.10</td>
<td>0.55</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>1480.000</td>
<td>41200</td>
<td>1.10</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>1310.000</td>
<td>28300</td>
<td>0.98</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>1580.000</td>
<td>94000</td>
<td>1.18</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>2</td>
<td>1580.000</td>
<td>94000</td>
<td>1.18</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>929.000</td>
<td>74000</td>
<td>0.69</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>1200.000</td>
<td>160000</td>
<td>0.90</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>1420.000</td>
<td>76000</td>
<td>1.06</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>1610.000</td>
<td>161000</td>
<td>1.20</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>WV</td>
<td>1</td>
<td>1250.000</td>
<td>540000</td>
<td>0.93</td>
<td>0.40</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>1660.000</td>
<td>27000</td>
<td>1.24</td>
<td>0.04</td>
<td>W</td>
</tr>
</tbody>
</table>

Total Number Reported: 60

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

**Matrix:** WA  
**Radionuclide:** GB  

**EML Value:** 653.000  
**EML Error:** 19.300

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>BG</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>2</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>GS</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>HC</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>IR</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>GB</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>GT</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>PA</td>
<td>2</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>RG</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>653.000</td>
<td>19.300</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in \( \mu g/\text{filter} \), g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: WA
Radionuclide: GB

EML Value: 653.000
EML Error: 19.300

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR</td>
<td>1</td>
<td>666.000</td>
<td>26.000</td>
<td>1.02</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SV</td>
<td>1</td>
<td>652.000</td>
<td>16.000</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>960.000</td>
<td>40.000</td>
<td>1.47</td>
<td>0.08</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>671.000</td>
<td>13.000</td>
<td>1.03</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>912.000</td>
<td>22.400</td>
<td>1.40</td>
<td>0.05</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>835.000</td>
<td>42.000</td>
<td>1.28</td>
<td>0.07</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>644.000</td>
<td>32.000</td>
<td>0.99</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>960.000</td>
<td>140.000</td>
<td>1.47</td>
<td>0.22</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>916.000</td>
<td>39.000</td>
<td>1.40</td>
<td>0.07</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>958.000</td>
<td>95.800</td>
<td>1.47</td>
<td>0.15</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>786.000</td>
<td>127.000</td>
<td>1.20</td>
<td>0.20</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>WV</td>
<td>1</td>
<td>9.500</td>
<td>1.700</td>
<td>0.02</td>
<td>0.00</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>661.000</td>
<td>14.000</td>
<td>1.01</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Total Number Reported: 59

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** WA  
**Radionuclide:** H 3  
**EML Value:** 60.300  
**EML Error:** 2.310

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>60.300</td>
<td>2.310</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>AE</td>
<td>1</td>
<td>55.300</td>
<td>8.200</td>
<td>0.92</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>43.500</td>
<td>6.900</td>
<td>0.72</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>43.100</td>
<td>4.300</td>
<td>0.72</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>49.200</td>
<td>1.170</td>
<td>0.82</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>59.400</td>
<td>7.700</td>
<td>0.98</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>35.500</td>
<td>2.500</td>
<td>0.99</td>
<td>0.06</td>
<td>N</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>41.800</td>
<td>6.800</td>
<td>0.72</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>49.200</td>
<td>4.300</td>
<td>0.82</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>69.600</td>
<td>15.600</td>
<td>1.15</td>
<td>0.26</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>63.700</td>
<td>5.800</td>
<td>1.06</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>56.700</td>
<td>11.000</td>
<td>0.94</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>78.000</td>
<td>2.000</td>
<td>1.29</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>41.400</td>
<td>0.000</td>
<td>0.77</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>46.500</td>
<td>3.500</td>
<td>0.69</td>
<td>0.03</td>
<td>W</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>44.600</td>
<td>10.100</td>
<td>0.74</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>89.200</td>
<td>8.400</td>
<td>1.48</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>62.600</td>
<td>11.400</td>
<td>1.04</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>EB</td>
<td>1</td>
<td>85.600</td>
<td>0.000</td>
<td>1.42</td>
<td>0.05</td>
<td>W</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>53.000</td>
<td>13.000</td>
<td>0.88</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>47.500</td>
<td>6.700</td>
<td>0.79</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>93.400</td>
<td>16.300</td>
<td>1.55</td>
<td>0.28</td>
<td>W</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>55.300</td>
<td>1.190</td>
<td>0.92</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>67.000</td>
<td>11.000</td>
<td>1.11</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>52.000</td>
<td>1.650</td>
<td>0.86</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>52.800</td>
<td>11.100</td>
<td>0.89</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>44.000</td>
<td>22.500</td>
<td>0.73</td>
<td>0.38</td>
<td>W</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>47.800</td>
<td>15.000</td>
<td>0.79</td>
<td>0.25</td>
<td>W</td>
</tr>
<tr>
<td>HC</td>
<td>1</td>
<td>50.100</td>
<td>5.000</td>
<td>0.83</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>185.000</td>
<td>6.000</td>
<td>3.07</td>
<td>0.15</td>
<td>N</td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>48.200</td>
<td>4.600</td>
<td>0.80</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>78.000</td>
<td>7.000</td>
<td>1.29</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>71.500</td>
<td>7.870</td>
<td>1.19</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>93.700</td>
<td>11.300</td>
<td>1.55</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>53.400</td>
<td>0.480</td>
<td>0.89</td>
<td>0.03</td>
<td>A</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>57.400</td>
<td>7.500</td>
<td>0.95</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>69.200</td>
<td>14.800</td>
<td>1.15</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>66.200</td>
<td>14.800</td>
<td>1.10</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>68.800</td>
<td>14.800</td>
<td>1.14</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>148.000</td>
<td>29.300</td>
<td>2.42</td>
<td>0.49</td>
<td>N</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>48.000</td>
<td>8.300</td>
<td>0.80</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>56.700</td>
<td>3.170</td>
<td>0.84</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>LM</td>
<td>1</td>
<td>78.000</td>
<td>8.000</td>
<td>1.29</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>LW</td>
<td>1</td>
<td>49.200</td>
<td>1.780</td>
<td>0.82</td>
<td>0.04</td>
<td>W</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>52.500</td>
<td>8.500</td>
<td>0.87</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>MI</td>
<td>1</td>
<td>70.000</td>
<td>0.000</td>
<td>1.16</td>
<td>0.04</td>
<td>A</td>
</tr>
</tbody>
</table>

**Units for matrices:** AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.

---

258
## Results by Nuclide

**Matrix:** WA  
**Radionuclide:** H-3  
**EML Value:** 60.300  
**EML Error:** 2.310

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>MI</td>
<td>2</td>
<td>75.000</td>
<td>0.000</td>
<td>1.24</td>
<td>0.05</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>44.800</td>
<td>5.460</td>
<td>0.74</td>
<td>0.09</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>48.700</td>
<td>4.040</td>
<td>0.81</td>
<td>0.07</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>53.300</td>
<td>4.400</td>
<td>0.88</td>
<td>0.08</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>68.500</td>
<td>12.400</td>
<td>1.14</td>
<td>0.21</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>54.000</td>
<td>11.000</td>
<td>0.90</td>
<td>0.19</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>70.300</td>
<td>9.600</td>
<td>1.17</td>
<td>0.17</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PB</td>
<td>1</td>
<td>57.800</td>
<td>8.600</td>
<td>0.96</td>
<td>0.15</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>58.000</td>
<td>13.000</td>
<td>0.96</td>
<td>0.22</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PI</td>
<td>2</td>
<td>52.600</td>
<td>7.600</td>
<td>0.87</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PR</td>
<td>1</td>
<td>55.100</td>
<td>0.000</td>
<td>0.91</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PR</td>
<td>2</td>
<td>55.100</td>
<td>2.810</td>
<td>0.91</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PR</td>
<td>2</td>
<td>56.400</td>
<td>0.000</td>
<td>0.94</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PR</td>
<td>2</td>
<td>56.400</td>
<td>2.810</td>
<td>0.94</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PR</td>
<td>3</td>
<td>55.700</td>
<td>0.000</td>
<td>0.92</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>PR</td>
<td>3</td>
<td>55.700</td>
<td>2.810</td>
<td>0.92</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>61.000</td>
<td>6.240</td>
<td>1.01</td>
<td>0.14</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>56.800</td>
<td>7.680</td>
<td>0.94</td>
<td>0.13</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RG</td>
<td>1</td>
<td>50.100</td>
<td>3.560</td>
<td>0.83</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>74.700</td>
<td>2.160</td>
<td>1.24</td>
<td>0.06</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>43.000</td>
<td>0.800</td>
<td>0.71</td>
<td>0.03</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>51.600</td>
<td>1.400</td>
<td>0.86</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>71.000</td>
<td>5.000</td>
<td>1.18</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>187.000</td>
<td>34.000</td>
<td>3.10</td>
<td>0.58</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>Ti</td>
<td>1</td>
<td>62.900</td>
<td>0.600</td>
<td>1.04</td>
<td>0.04</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>54.700</td>
<td>5.740</td>
<td>0.91</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>51.600</td>
<td>5.650</td>
<td>0.86</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>35.200</td>
<td>1.230</td>
<td>0.58</td>
<td>0.03</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>62.800</td>
<td>3.530</td>
<td>1.04</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>55.900</td>
<td>4.800</td>
<td>0.93</td>
<td>0.09</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>55.500</td>
<td>5.600</td>
<td>0.92</td>
<td>0.10</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>47.600</td>
<td>11.700</td>
<td>0.79</td>
<td>0.20</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>44.000</td>
<td>7.000</td>
<td>0.73</td>
<td>0.12</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>WV</td>
<td>1</td>
<td>52.000</td>
<td>3.700</td>
<td>0.86</td>
<td>0.07</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>36.200</td>
<td>3.200</td>
<td>0.66</td>
<td>0.06</td>
<td>N</td>
<td></td>
</tr>
</tbody>
</table>

**Total Number Reported:** 81

---

**Units for matrices:** AI = Bq/filter, SO = Bq/kg, VE = Bq/kg, WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>43.500</td>
<td>2.060</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>52.100</td>
<td>0.700</td>
<td>1.20</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>AE</td>
<td>1</td>
<td>44.300</td>
<td>3.700</td>
<td>1.02</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>48.700</td>
<td>1.500</td>
<td>1.12</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>48.700</td>
<td>4.300</td>
<td>1.12</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>51.600</td>
<td>1.410</td>
<td>1.19</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>48.900</td>
<td>1.400</td>
<td>1.12</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>52.000</td>
<td>3.000</td>
<td>1.21</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>47.100</td>
<td>3.120</td>
<td>1.08</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>46.500</td>
<td>4.000</td>
<td>1.07</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>AW</td>
<td>1</td>
<td>43.500</td>
<td>6.600</td>
<td>1.00</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>51.000</td>
<td>6.200</td>
<td>1.17</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>49.600</td>
<td>4.780</td>
<td>1.14</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>BK</td>
<td>1</td>
<td>49.300</td>
<td>2.090</td>
<td>1.13</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>52.100</td>
<td>1.600</td>
<td>1.20</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>47.400</td>
<td>1.700</td>
<td>1.09</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>48.300</td>
<td>3.060</td>
<td>1.11</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>BQ</td>
<td>1</td>
<td>47.900</td>
<td>0.600</td>
<td>1.10</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>BR</td>
<td>1</td>
<td>50.700</td>
<td>3.960</td>
<td>1.17</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>BS</td>
<td>1</td>
<td>47.000</td>
<td>0.500</td>
<td>1.08</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>55.000</td>
<td>3.000</td>
<td>1.26</td>
<td>0.09</td>
<td>N</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>48.200</td>
<td>0.000</td>
<td>1.13</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>50.400</td>
<td>1.000</td>
<td>1.16</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>45.700</td>
<td>1.500</td>
<td>1.06</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>45.100</td>
<td>2.250</td>
<td>1.04</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>53.100</td>
<td>2.440</td>
<td>1.22</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>44.100</td>
<td>5.600</td>
<td>1.01</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>CS</td>
<td>1</td>
<td>50.900</td>
<td>2.300</td>
<td>1.17</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>53.000</td>
<td>0.000</td>
<td>1.22</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>47.400</td>
<td>1.810</td>
<td>1.09</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>47.000</td>
<td>4.000</td>
<td>1.08</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>57.200</td>
<td>4.300</td>
<td>1.32</td>
<td>0.12</td>
<td>N</td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>55.200</td>
<td>6.430</td>
<td>1.27</td>
<td>0.16</td>
<td>N</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>48.300</td>
<td>1.240</td>
<td>1.11</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>56.800</td>
<td>3.250</td>
<td>1.31</td>
<td>0.10</td>
<td>N</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>46.000</td>
<td>0.700</td>
<td>1.06</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>FM</td>
<td>1</td>
<td>46.000</td>
<td>0.980</td>
<td>1.06</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>FN</td>
<td>1</td>
<td>44.400</td>
<td>4.600</td>
<td>1.02</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>47.100</td>
<td>0.000</td>
<td>1.08</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>48.200</td>
<td>1.930</td>
<td>1.11</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>43.700</td>
<td>5.000</td>
<td>1.01</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>45.400</td>
<td>0.260</td>
<td>1.04</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>48.400</td>
<td>6.400</td>
<td>1.11</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>ID</td>
<td>1</td>
<td>48.000</td>
<td>2.000</td>
<td>1.10</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>47.600</td>
<td>0.980</td>
<td>1.09</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>51.200</td>
<td>4.700</td>
<td>1.18</td>
<td>0.12</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
# Results by Nuclide

Matrix: WA  
Radionuclide: MN  

EML Value: 43.500  
EML Error: 2.060

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>1</td>
<td>50.100</td>
<td>2.500</td>
<td>1.15</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>53.300</td>
<td>1.320</td>
<td>1.23</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>47.300</td>
<td>2.000</td>
<td>1.08</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>49.500</td>
<td>5.800</td>
<td>1.14</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>49.100</td>
<td>5.800</td>
<td>1.13</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>49.600</td>
<td>5.800</td>
<td>1.14</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>LB</td>
<td>1</td>
<td>47.000</td>
<td>25.000</td>
<td>1.08</td>
<td>0.58</td>
<td>A</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>60.000</td>
<td>11.200</td>
<td>1.38</td>
<td>0.27</td>
<td>N</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>44.600</td>
<td>3.410</td>
<td>1.03</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>LM</td>
<td>1</td>
<td>56.000</td>
<td>5.600</td>
<td>1.28</td>
<td>0.14</td>
<td>N</td>
</tr>
<tr>
<td>LW</td>
<td>1</td>
<td>44.900</td>
<td>3.280</td>
<td>1.03</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>ME</td>
<td>1</td>
<td>44.600</td>
<td>2.000</td>
<td>1.03</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>MI</td>
<td>1</td>
<td>45.900</td>
<td>2.240</td>
<td>1.05</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>MI</td>
<td>2</td>
<td>47.400</td>
<td>2.300</td>
<td>1.09</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>47.500</td>
<td>0.800</td>
<td>1.09</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>NC</td>
<td>1</td>
<td>50.600</td>
<td>1.500</td>
<td>1.16</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>47.000</td>
<td>5.000</td>
<td>1.08</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>2</td>
<td>49.000</td>
<td>3.000</td>
<td>1.13</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>48.000</td>
<td>2.000</td>
<td>1.10</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>46.400</td>
<td>2.150</td>
<td>1.07</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>OL</td>
<td>1</td>
<td>49.800</td>
<td>1.300</td>
<td>1.15</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>45.000</td>
<td>2.000</td>
<td>1.03</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>OS</td>
<td>1</td>
<td>46.400</td>
<td>0.370</td>
<td>1.07</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>47.000</td>
<td>1.000</td>
<td>1.08</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>48.000</td>
<td>5.000</td>
<td>1.10</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>49.000</td>
<td>3.500</td>
<td>1.13</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>20.700</td>
<td>0.700</td>
<td>0.48</td>
<td>0.03</td>
<td>N</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>50.700</td>
<td>2.300</td>
<td>1.17</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>SA</td>
<td>1</td>
<td>45.000</td>
<td>4.500</td>
<td>1.03</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>41.000</td>
<td>1.000</td>
<td>0.94</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>47.500</td>
<td>1.400</td>
<td>1.09</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>50.000</td>
<td>1.000</td>
<td>1.15</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>49.200</td>
<td>1.100</td>
<td>1.13</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>51.400</td>
<td>5.100</td>
<td>1.18</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>49.200</td>
<td>1.800</td>
<td>1.13</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>42.600</td>
<td>6.010</td>
<td>0.98</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>48.000</td>
<td>1.470</td>
<td>1.13</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>UK</td>
<td>1</td>
<td>52.200</td>
<td>2.700</td>
<td>1.20</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>49.200</td>
<td>3.770</td>
<td>1.13</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>54.000</td>
<td>12.000</td>
<td>1.24</td>
<td>0.28</td>
<td>W</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>47.500</td>
<td>4.800</td>
<td>1.09</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>50.300</td>
<td>8.500</td>
<td>1.16</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>WI</td>
<td>1</td>
<td>46.700</td>
<td>5.420</td>
<td>1.07</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>49.000</td>
<td>3.100</td>
<td>1.15</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>45.300</td>
<td>4.400</td>
<td>1.04</td>
<td>0.11</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: WA
Radionuclide: MN 54

EML Value: 43.500
EML Error: 2.060

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>WV</td>
<td>1</td>
<td>48.000</td>
<td>1.200</td>
<td>1.10</td>
<td>0.06</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>44.500</td>
<td>0.580</td>
<td>1.02</td>
<td>0.05</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 94

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** WA  
**Radionuclide:** Pu-239

**EML Value:** 0.591  
**EML Error:** 0.047

### Table

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.591</td>
<td>0.047</td>
<td>1.00</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>0.680</td>
<td>0.040</td>
<td>1.15</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>0.680</td>
<td>0.070</td>
<td>1.15</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>AM</td>
<td>1</td>
<td>4.080</td>
<td>2.280</td>
<td>6.87</td>
<td>3.90</td>
<td>N</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>0.714</td>
<td>0.018</td>
<td>1.21</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>0.801</td>
<td>0.112</td>
<td>1.36</td>
<td>0.22</td>
<td>N</td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>0.832</td>
<td>0.203</td>
<td>1.41</td>
<td>0.36</td>
<td>N</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>0.673</td>
<td>0.072</td>
<td>1.14</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>0.674</td>
<td>0.030</td>
<td>1.14</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>0.650</td>
<td>0.040</td>
<td>1.10</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>2</td>
<td>0.730</td>
<td>0.070</td>
<td>1.24</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>0.680</td>
<td>0.090</td>
<td>1.15</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>2</td>
<td>0.660</td>
<td>0.070</td>
<td>1.12</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>0.560</td>
<td>0.050</td>
<td>0.95</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>0.629</td>
<td>0.000</td>
<td>1.06</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>0.660</td>
<td>0.060</td>
<td>1.05</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>0.792</td>
<td>0.082</td>
<td>1.34</td>
<td>0.38</td>
<td>W</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>0.950</td>
<td>0.310</td>
<td>1.61</td>
<td>0.54</td>
<td>N</td>
</tr>
<tr>
<td>CP</td>
<td>1</td>
<td>0.228</td>
<td>0.053</td>
<td>0.38</td>
<td>0.16</td>
<td>N</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>262.000</td>
<td>0.000</td>
<td>266.00</td>
<td>16.00</td>
<td>N</td>
</tr>
<tr>
<td>EB</td>
<td>1</td>
<td>0.601</td>
<td>0.052</td>
<td>1.02</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>0.707</td>
<td>0.057</td>
<td>1.20</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>0.640</td>
<td>0.050</td>
<td>1.08</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>0.651</td>
<td>0.069</td>
<td>1.08</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>0.633</td>
<td>0.071</td>
<td>1.07</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>0.648</td>
<td>0.054</td>
<td>1.10</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>0.800</td>
<td>0.200</td>
<td>1.35</td>
<td>0.36</td>
<td>N</td>
</tr>
<tr>
<td>FL</td>
<td>1</td>
<td>0.653</td>
<td>0.011</td>
<td>1.11</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>0.670</td>
<td>0.000</td>
<td>1.13</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>0.760</td>
<td>0.090</td>
<td>1.25</td>
<td>0.18</td>
<td>W</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>1.130</td>
<td>0.200</td>
<td>1.91</td>
<td>0.37</td>
<td>N</td>
</tr>
<tr>
<td>HA</td>
<td>2</td>
<td>0.710</td>
<td>0.080</td>
<td>1.20</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>0.633</td>
<td>0.100</td>
<td>1.07</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>0.700</td>
<td>0.101</td>
<td>1.19</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>0.560</td>
<td>0.110</td>
<td>1.12</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>IG</td>
<td>1</td>
<td>0.650</td>
<td>0.122</td>
<td>1.07</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>0.660</td>
<td>0.075</td>
<td>1.20</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>0.670</td>
<td>0.004</td>
<td>1.13</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>0.700</td>
<td>0.280</td>
<td>1.18</td>
<td>0.48</td>
<td>W</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>0.620</td>
<td>0.250</td>
<td>1.05</td>
<td>0.43</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>0.690</td>
<td>0.280</td>
<td>1.17</td>
<td>0.48</td>
<td>W</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>1.240</td>
<td>0.230</td>
<td>2.10</td>
<td>0.42</td>
<td>N</td>
</tr>
<tr>
<td>LL</td>
<td>1</td>
<td>0.678</td>
<td>0.051</td>
<td>1.15</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>0.713</td>
<td>0.051</td>
<td>1.21</td>
<td>0.13</td>
<td>W</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>0.610</td>
<td>0.050</td>
<td>1.03</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>NL</td>
<td>1</td>
<td>0.690</td>
<td>0.040</td>
<td>1.17</td>
<td>0.12</td>
<td>W</td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
### Results by Nuclide

**Matrix:** WA  
**Radionuclide:** PU239  
**EML Value:** 0.591  
**EML Error:** 0.047

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>NY</td>
<td>1</td>
<td>0.583</td>
<td>0.017</td>
<td>0.99</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>OB</td>
<td>1</td>
<td>1.400</td>
<td>0.100</td>
<td>2.37</td>
<td>0.25</td>
<td>N</td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>0.594</td>
<td>0.065</td>
<td>1.01</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>0.850</td>
<td>0.060</td>
<td>1.10</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>0.860</td>
<td>0.100</td>
<td>1.12</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>0.740</td>
<td>0.090</td>
<td>1.25</td>
<td>0.18</td>
<td>W</td>
</tr>
<tr>
<td>PB</td>
<td>1</td>
<td>0.730</td>
<td>0.120</td>
<td>1.24</td>
<td>0.23</td>
<td>W</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>0.670</td>
<td>0.075</td>
<td>1.13</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>PI</td>
<td>2</td>
<td>0.678</td>
<td>0.065</td>
<td>1.15</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>0.616</td>
<td>0.068</td>
<td>1.04</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>0.685</td>
<td>0.090</td>
<td>1.16</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>RG</td>
<td>1</td>
<td>0.656</td>
<td>0.029</td>
<td>1.11</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>RG</td>
<td>2</td>
<td>0.656</td>
<td>0.029</td>
<td>1.11</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>RI</td>
<td>1</td>
<td>0.633</td>
<td>0.033</td>
<td>1.07</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>0.575</td>
<td>0.020</td>
<td>0.97</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>0.564</td>
<td>0.038</td>
<td>0.95</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>0.588</td>
<td>0.021</td>
<td>1.00</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>0.900</td>
<td>0.080</td>
<td>1.62</td>
<td>0.18</td>
<td>N</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>0.700</td>
<td>0.200</td>
<td>1.18</td>
<td>0.35</td>
<td>W</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>0.695</td>
<td>0.043</td>
<td>1.18</td>
<td>0.12</td>
<td>W</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>0.684</td>
<td>0.078</td>
<td>1.16</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>TG</td>
<td>1</td>
<td>0.943</td>
<td>0.078</td>
<td>1.60</td>
<td>0.18</td>
<td>N</td>
</tr>
<tr>
<td>UC</td>
<td>1</td>
<td>0.620</td>
<td>0.120</td>
<td>1.05</td>
<td>0.22</td>
<td>A</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>0.674</td>
<td>0.168</td>
<td>1.14</td>
<td>0.30</td>
<td>A</td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>0.770</td>
<td>0.200</td>
<td>1.30</td>
<td>0.35</td>
<td>W</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.615</td>
<td>0.063</td>
<td>1.04</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>0.708</td>
<td>0.131</td>
<td>1.20</td>
<td>0.24</td>
<td>W</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>0.738</td>
<td>0.139</td>
<td>1.25</td>
<td>0.26</td>
<td>W</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>0.560</td>
<td>0.150</td>
<td>0.95</td>
<td>0.27</td>
<td>A</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>0.630</td>
<td>0.017</td>
<td>1.07</td>
<td>0.09</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 76

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** WA  
**Radionuclide:** SR 90

**EML Value:** 2.400  
**EML Error:** 0.225

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>2.400</td>
<td>0.225</td>
<td>1.00</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>2.500</td>
<td>0.120</td>
<td>1.04</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>2.770</td>
<td>0.170</td>
<td>1.15</td>
<td>0.13</td>
<td>A</td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>2.770</td>
<td>0.280</td>
<td>1.15</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>2.300</td>
<td>0.040</td>
<td>0.98</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>2.830</td>
<td>0.390</td>
<td>1.18</td>
<td>0.20</td>
<td>W</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>2.170</td>
<td>0.200</td>
<td>0.90</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>BA</td>
<td>1</td>
<td>2.000</td>
<td>0.300</td>
<td>0.83</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>2.120</td>
<td>0.000</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>2.100</td>
<td>0.330</td>
<td>0.88</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>2.270</td>
<td>0.070</td>
<td>0.95</td>
<td>0.46</td>
<td>A</td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>1.800</td>
<td>0.280</td>
<td>0.79</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>BN</td>
<td>1</td>
<td>1.800</td>
<td>0.000</td>
<td>0.75</td>
<td>0.07</td>
<td>W</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>1.800</td>
<td>0.200</td>
<td>0.75</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>2.700</td>
<td>0.000</td>
<td>1.16</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>2.230</td>
<td>0.170</td>
<td>0.93</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>2.370</td>
<td>0.268</td>
<td>0.99</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>2.270</td>
<td>0.500</td>
<td>0.95</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>DC</td>
<td>1</td>
<td>2.150</td>
<td>0.000</td>
<td>0.90</td>
<td>0.09</td>
<td>A</td>
</tr>
<tr>
<td>EE</td>
<td>1</td>
<td>2.360</td>
<td>0.500</td>
<td>0.98</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>2.100</td>
<td>0.200</td>
<td>0.88</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>1.670</td>
<td>0.500</td>
<td>0.70</td>
<td>0.22</td>
<td>W</td>
</tr>
<tr>
<td>EP</td>
<td>1</td>
<td>2.600</td>
<td>0.402</td>
<td>1.08</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>5.100</td>
<td>0.910</td>
<td>2.16</td>
<td>0.43</td>
<td>N</td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>1.970</td>
<td>0.045</td>
<td>0.82</td>
<td>0.08</td>
<td>W</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>2.900</td>
<td>0.200</td>
<td>1.25</td>
<td>0.14</td>
<td>W</td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>2.030</td>
<td>0.170</td>
<td>0.86</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>1.840</td>
<td>0.200</td>
<td>0.77</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>2.960</td>
<td>0.300</td>
<td>1.23</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>3.500</td>
<td>0.300</td>
<td>1.46</td>
<td>0.19</td>
<td>N</td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>2.800</td>
<td>0.300</td>
<td>1.17</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>2.210</td>
<td>0.670</td>
<td>0.92</td>
<td>0.29</td>
<td>A</td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>1.590</td>
<td>0.170</td>
<td>0.66</td>
<td>0.09</td>
<td>W</td>
</tr>
<tr>
<td>IT</td>
<td>1</td>
<td>3.090</td>
<td>0.202</td>
<td>1.29</td>
<td>0.15</td>
<td>W</td>
</tr>
<tr>
<td>KA</td>
<td>1</td>
<td>2.170</td>
<td>0.360</td>
<td>0.80</td>
<td>0.17</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>1</td>
<td>2.090</td>
<td>0.330</td>
<td>0.87</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>2</td>
<td>2.360</td>
<td>0.360</td>
<td>0.98</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>LA</td>
<td>3</td>
<td>2.650</td>
<td>0.380</td>
<td>1.10</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>2.460</td>
<td>0.550</td>
<td>1.03</td>
<td>0.25</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>2.050</td>
<td>0.270</td>
<td>0.96</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>2.490</td>
<td>0.180</td>
<td>1.04</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>1.980</td>
<td>0.360</td>
<td>0.83</td>
<td>0.17</td>
<td>W</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>2.000</td>
<td>0.200</td>
<td>0.83</td>
<td>0.11</td>
<td>W</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>2.500</td>
<td>0.900</td>
<td>1.04</td>
<td>0.39</td>
<td>A</td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>2.500</td>
<td>0.370</td>
<td>1.04</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>2.370</td>
<td>0.196</td>
<td>0.99</td>
<td>0.12</td>
<td>A</td>
</tr>
</tbody>
</table>

Units for matrices: Al = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
### Results by Nuclide

**Matrix:** WA  
**Radionuclide:** SR 90

**EML Value:** 2.400  
**EML Error:** 0.225

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>RI</td>
<td>1</td>
<td>2.320</td>
<td>0.530</td>
<td>0.97</td>
<td>0.24</td>
<td>A</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>2.200</td>
<td>0.500</td>
<td>0.92</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>SW</td>
<td>1</td>
<td>4.100</td>
<td>0.460</td>
<td>1.71</td>
<td>0.25</td>
<td>N</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>2.000</td>
<td>0.200</td>
<td>0.96</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>2.120</td>
<td>0.176</td>
<td>0.88</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>2.410</td>
<td>0.240</td>
<td>1.00</td>
<td>0.14</td>
<td>A</td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>2.040</td>
<td>0.420</td>
<td>0.85</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>UP</td>
<td>1</td>
<td>2.070</td>
<td>0.650</td>
<td>0.86</td>
<td>0.28</td>
<td>A</td>
</tr>
<tr>
<td>UY</td>
<td>1</td>
<td>3.200</td>
<td>1.800</td>
<td>1.33</td>
<td>0.76</td>
<td>W</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>2.540</td>
<td>0.270</td>
<td>1.06</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>WC</td>
<td>1</td>
<td>2.130</td>
<td>0.400</td>
<td>0.89</td>
<td>0.19</td>
<td>A</td>
</tr>
<tr>
<td>WN</td>
<td>1</td>
<td>2.200</td>
<td>0.500</td>
<td>0.92</td>
<td>0.23</td>
<td>A</td>
</tr>
<tr>
<td>WP</td>
<td>1</td>
<td>2.600</td>
<td>0.410</td>
<td>1.08</td>
<td>0.20</td>
<td>A</td>
</tr>
<tr>
<td>WV</td>
<td>1</td>
<td>3.100</td>
<td>0.410</td>
<td>1.29</td>
<td>0.21</td>
<td>W</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>2.100</td>
<td>0.088</td>
<td>0.88</td>
<td>0.09</td>
<td>A</td>
</tr>
</tbody>
</table>

**Total Number Reported:** 61

---

Units for matrices: AI = Bq/filter  SO = Bq/kg  VE = Bq/kg  WA = Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A = Acceptable, W = Acceptable with Warning, N = Not Acceptable.
<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.373</td>
<td>0.013</td>
<td>1.00</td>
<td>0.05</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td>1</td>
<td>0.350</td>
<td>0.040</td>
<td>0.94</td>
<td>0.11</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AE</td>
<td>1</td>
<td>0.380</td>
<td>0.057</td>
<td>1.02</td>
<td>0.14</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>0.417</td>
<td>0.042</td>
<td>1.12</td>
<td>0.12</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>0.406</td>
<td>0.012</td>
<td>1.09</td>
<td>0.05</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>0.376</td>
<td>0.074</td>
<td>1.01</td>
<td>0.20</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td>1</td>
<td>0.407</td>
<td>0.113</td>
<td>1.09</td>
<td>0.31</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BC</td>
<td>1</td>
<td>0.372</td>
<td>0.060</td>
<td>1.00</td>
<td>0.03</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BE</td>
<td>1</td>
<td>0.397</td>
<td>0.022</td>
<td>1.06</td>
<td>0.07</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>0.038</td>
<td>0.000</td>
<td>0.10</td>
<td>0.00</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BL</td>
<td>2</td>
<td>0.044</td>
<td>0.000</td>
<td>0.12</td>
<td>0.00</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>1</td>
<td>0.420</td>
<td>0.050</td>
<td>1.13</td>
<td>0.14</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BM</td>
<td>2</td>
<td>0.410</td>
<td>0.050</td>
<td>1.10</td>
<td>0.14</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BX</td>
<td>1</td>
<td>0.455</td>
<td>0.000</td>
<td>1.22</td>
<td>0.04</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>0.385</td>
<td>0.015</td>
<td>1.03</td>
<td>0.05</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CH</td>
<td>1</td>
<td>0.338</td>
<td>0.053</td>
<td>0.91</td>
<td>0.15</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>0.450</td>
<td>0.280</td>
<td>1.21</td>
<td>0.75</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EB</td>
<td>1</td>
<td>0.288</td>
<td>0.036</td>
<td>0.72</td>
<td>0.10</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>0.390</td>
<td>0.040</td>
<td>1.05</td>
<td>0.11</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>0.620</td>
<td>0.020</td>
<td>1.66</td>
<td>0.08</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>0.340</td>
<td>0.040</td>
<td>0.91</td>
<td>0.11</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>0.300</td>
<td>0.050</td>
<td>0.80</td>
<td>0.14</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HA</td>
<td>1</td>
<td>0.380</td>
<td>0.060</td>
<td>0.97</td>
<td>0.16</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>0.310</td>
<td>0.110</td>
<td>0.93</td>
<td>0.30</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IE</td>
<td>1</td>
<td>0.425</td>
<td>0.070</td>
<td>1.14</td>
<td>0.19</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>0.370</td>
<td>0.150</td>
<td>0.99</td>
<td>0.40</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>1</td>
<td>0.512</td>
<td>0.103</td>
<td>1.37</td>
<td>0.28</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>1</td>
<td>0.491</td>
<td>0.143</td>
<td>1.32</td>
<td>0.39</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>0.350</td>
<td>0.017</td>
<td>0.94</td>
<td>0.06</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>0.520</td>
<td>0.050</td>
<td>1.39</td>
<td>0.17</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>0.407</td>
<td>0.026</td>
<td>1.09</td>
<td>0.08</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OB</td>
<td>1</td>
<td>0.680</td>
<td>0.100</td>
<td>1.82</td>
<td>0.28</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>0.355</td>
<td>0.038</td>
<td>0.95</td>
<td>0.11</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PA</td>
<td>1</td>
<td>0.330</td>
<td>0.050</td>
<td>0.89</td>
<td>0.14</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PB</td>
<td>1</td>
<td>0.490</td>
<td>0.070</td>
<td>1.07</td>
<td>0.19</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PC</td>
<td>1</td>
<td>0.380</td>
<td>0.067</td>
<td>0.97</td>
<td>0.18</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RE</td>
<td>1</td>
<td>0.356</td>
<td>0.026</td>
<td>0.96</td>
<td>0.08</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RF</td>
<td>1</td>
<td>0.401</td>
<td>0.059</td>
<td>1.08</td>
<td>0.16</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SC</td>
<td>1</td>
<td>0.310</td>
<td>0.010</td>
<td>0.83</td>
<td>0.04</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>0.356</td>
<td>0.056</td>
<td>0.95</td>
<td>0.15</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>0.480</td>
<td>0.110</td>
<td>1.29</td>
<td>0.30</td>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TM</td>
<td>1</td>
<td>0.402</td>
<td>0.040</td>
<td>1.08</td>
<td>0.11</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>0.385</td>
<td>0.050</td>
<td>1.03</td>
<td>0.14</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TO</td>
<td>1</td>
<td>0.370</td>
<td>0.078</td>
<td>0.99</td>
<td>0.21</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.280</td>
<td>0.043</td>
<td>0.75</td>
<td>0.12</td>
<td>N</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Units for matrices: AI=Bq/filter, SO=Bq/kg, VE=Bq/kg, WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: WA  
Radionuclide: U 234

EML Value: 0.373  
EML Error: 0.013

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>YA</td>
<td>1</td>
<td>0.376</td>
<td>0.011</td>
<td>1.01</td>
<td>0.05</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 46

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in μg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Results by Nuclide

**Matrix:** WA  
**Radionuclide:** U 235  

**EML Value:** 0.196  
**EML Error:** 0.006  

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.196</td>
<td>0.006</td>
<td>1.00</td>
<td>0.04</td>
<td>A</td>
</tr>
<tr>
<td>AN</td>
<td>1</td>
<td>0.241</td>
<td>0.010</td>
<td>1.23</td>
<td>0.06</td>
<td>W</td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>0.230</td>
<td>0.030</td>
<td>1.17</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>EB</td>
<td>1</td>
<td>0.065</td>
<td>0.008</td>
<td>0.33</td>
<td>0.04</td>
<td>N</td>
</tr>
<tr>
<td>EG</td>
<td>1</td>
<td>0.200</td>
<td>0.030</td>
<td>1.02</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>IN</td>
<td>1</td>
<td>0.250</td>
<td>0.100</td>
<td>1.28</td>
<td>0.51</td>
<td>W</td>
</tr>
<tr>
<td>ML</td>
<td>1</td>
<td>0.228</td>
<td>0.014</td>
<td>1.16</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>NA</td>
<td>1</td>
<td>0.200</td>
<td>0.030</td>
<td>1.02</td>
<td>0.16</td>
<td>A</td>
</tr>
<tr>
<td>NJ</td>
<td>1</td>
<td>0.198</td>
<td>0.014</td>
<td>1.01</td>
<td>0.08</td>
<td>A</td>
</tr>
<tr>
<td>OD</td>
<td>1</td>
<td>0.165</td>
<td>0.019</td>
<td>0.84</td>
<td>0.10</td>
<td>W</td>
</tr>
<tr>
<td>SR</td>
<td>1</td>
<td>0.252</td>
<td>0.052</td>
<td>1.29</td>
<td>0.27</td>
<td>W</td>
</tr>
<tr>
<td>TI</td>
<td>1</td>
<td>0.160</td>
<td>0.060</td>
<td>0.82</td>
<td>0.31</td>
<td>W</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.148</td>
<td>0.030</td>
<td>0.76</td>
<td>0.16</td>
<td>W</td>
</tr>
<tr>
<td>YA</td>
<td>1</td>
<td>0.236</td>
<td>0.020</td>
<td>1.20</td>
<td>0.11</td>
<td>W</td>
</tr>
</tbody>
</table>

Total Number Reported: 14

---

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

**Matrix:** WA  
**Radionuclide:** U Bq

**EML Value:** 0.568  
**EML Error:** 0.028

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Ratio Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.568</td>
<td>0.028</td>
<td>1.00</td>
<td>0.07</td>
<td>A</td>
</tr>
<tr>
<td>AU</td>
<td>1</td>
<td>0.557</td>
<td>0.047</td>
<td>0.98</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>BL</td>
<td>1</td>
<td>0.077</td>
<td>0.001</td>
<td>0.14</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>BL</td>
<td>2</td>
<td>0.088</td>
<td>0.001</td>
<td>0.16</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>BU</td>
<td>1</td>
<td>0.800</td>
<td>0.100</td>
<td>1.06</td>
<td>0.18</td>
<td>A</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>0.550</td>
<td>0.060</td>
<td>0.87</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>0.603</td>
<td>0.082</td>
<td>1.06</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>FG</td>
<td>1</td>
<td>0.660</td>
<td>0.200</td>
<td>1.16</td>
<td>0.36</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>1</td>
<td>0.620</td>
<td>0.000</td>
<td>1.09</td>
<td>0.05</td>
<td>A</td>
</tr>
<tr>
<td>GA</td>
<td>2</td>
<td>0.000</td>
<td>0.000</td>
<td>0.00</td>
<td>0.05</td>
<td>N</td>
</tr>
<tr>
<td>GS</td>
<td>1</td>
<td>0.057</td>
<td>0.001</td>
<td>0.10</td>
<td>0.01</td>
<td>N</td>
</tr>
<tr>
<td>HI</td>
<td>1</td>
<td>0.526</td>
<td>0.170</td>
<td>0.93</td>
<td>0.30</td>
<td>A</td>
</tr>
<tr>
<td>HL</td>
<td>1</td>
<td>0.630</td>
<td>0.230</td>
<td>1.11</td>
<td>0.41</td>
<td>A</td>
</tr>
<tr>
<td>IO</td>
<td>1</td>
<td>0.480</td>
<td>0.060</td>
<td>0.85</td>
<td>0.11</td>
<td>A</td>
</tr>
<tr>
<td>OR</td>
<td>1</td>
<td>0.660</td>
<td>0.080</td>
<td>1.16</td>
<td>0.15</td>
<td>A</td>
</tr>
<tr>
<td>OT</td>
<td>1</td>
<td>0.600</td>
<td>0.300</td>
<td>1.06</td>
<td>0.53</td>
<td>A</td>
</tr>
<tr>
<td>PI</td>
<td>1</td>
<td>0.589</td>
<td>0.060</td>
<td>1.04</td>
<td>0.12</td>
<td>A</td>
</tr>
<tr>
<td>SK</td>
<td>1</td>
<td>0.611</td>
<td>0.048</td>
<td>1.08</td>
<td>0.10</td>
<td>A</td>
</tr>
<tr>
<td>WA</td>
<td>1</td>
<td>0.455</td>
<td>0.056</td>
<td>0.80</td>
<td>0.11</td>
<td>A</td>
</tr>
</tbody>
</table>

Total Number Reported: 19

Units for matrices: Al=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
Results by Nuclide

Matrix: WA  
Radionuclide: U UG

EML Value: 0.003  
EML Error: 0.000

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Test #</th>
<th>Reported Value</th>
<th>Error</th>
<th>Reported EML</th>
<th>Error</th>
<th>Ratio</th>
<th>Error</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1</td>
<td>0.003</td>
<td>0.000</td>
<td>1.80</td>
<td>0.07</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>1</td>
<td>0.003</td>
<td>0.000</td>
<td>1.29</td>
<td>0.13</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AG</td>
<td>2</td>
<td>0.003</td>
<td>0.000</td>
<td>1.28</td>
<td>0.10</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>1</td>
<td>0.003</td>
<td>0.000</td>
<td>1.13</td>
<td>0.13</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CA</td>
<td>1</td>
<td>0.005</td>
<td>0.001</td>
<td>2.04</td>
<td>0.22</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1</td>
<td>0.003</td>
<td>0.000</td>
<td>1.31</td>
<td>0.17</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EL</td>
<td>1</td>
<td>0.003</td>
<td>0.000</td>
<td>1.04</td>
<td>0.06</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td>1</td>
<td>0.003</td>
<td>0.000</td>
<td>0.98</td>
<td>0.05</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td>1</td>
<td>0.003</td>
<td>0.000</td>
<td>1.05</td>
<td>0.05</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>1</td>
<td>0.005</td>
<td>0.000</td>
<td>1.73</td>
<td>0.09</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GS</td>
<td>1</td>
<td>0.002</td>
<td>0.000</td>
<td>0.89</td>
<td>0.05</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HR</td>
<td>1</td>
<td>0.003</td>
<td>0.001</td>
<td>1.15</td>
<td>0.39</td>
<td>A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Number Reported: 12

Units for matrices: AI=Bq/filter  SO=Bq/kg  VE=Bq/kg  WA=Bq/L. Values for elemental uranium are reported in µg/filter, g, or mL. Evaluation: A=Acceptable, W=Acceptable with Warning, N=Not Acceptable.
## Participating Laboratories in EML QAP

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Laboratories Reporting Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC</td>
<td>Analytical Chemistry Laboratory, Chemical Technology Div., Argonne, IL</td>
</tr>
<tr>
<td>AE</td>
<td>Analytical Resources, Inc., Seattle, WA</td>
</tr>
<tr>
<td>AG</td>
<td>Analytical Technologies, Inc., Fort Collins, CO</td>
</tr>
<tr>
<td>AM</td>
<td>American Radiation Services, Inc., Baton Rouge, LA</td>
</tr>
<tr>
<td>AN</td>
<td>Argonne Nat'l Laboratory, ESH, Bldg 200, Rm. F117, Argonne, IL</td>
</tr>
<tr>
<td>AR</td>
<td>Accu-Labs Research Inc., Golden, CO</td>
</tr>
<tr>
<td>AT</td>
<td>ATEC Environmental Consultants, Oak Ridge, TN</td>
</tr>
<tr>
<td>AU</td>
<td>ORISE, EESD/ESSAP, Oak Ridge, TN</td>
</tr>
<tr>
<td>AW</td>
<td>Argonne National Laboratory, Idaho Falls, ID</td>
</tr>
<tr>
<td>BA</td>
<td>Westinghouse Electric Corp., Bettis Atomic Power Lab, West Mifflin, PA</td>
</tr>
<tr>
<td>BC</td>
<td>Babcock &amp; Wilcock MC #42, Naval Nuclear Fuel Div., Lynchburg, VA</td>
</tr>
<tr>
<td>BE</td>
<td>UNC Geotech, Grand Junction, CO</td>
</tr>
<tr>
<td>BK</td>
<td>Brookhaven Nat'l Laboratory, Dept of Adv Tech., Upton, NY</td>
</tr>
<tr>
<td>BL</td>
<td>Barringer Laboratories Inc., Golden, CO</td>
</tr>
<tr>
<td>BM</td>
<td>Battelle Memorial Institute, Columbus, OH</td>
</tr>
<tr>
<td>BN</td>
<td>Brookhaven Nat'l Laboratory, Bldg. #535 A, Upton, NY</td>
</tr>
<tr>
<td>BP</td>
<td>Battelle Pacific Northwest Lab, Analytical Lab Oper., Richland, WA</td>
</tr>
<tr>
<td>BQ</td>
<td>Becquerel Laboratories Inc., Mississauga, Ontario, Canada</td>
</tr>
<tr>
<td>BR</td>
<td>US Army Research Laboratory, Aberdeen Proving Ground, MD</td>
</tr>
<tr>
<td>BS</td>
<td>B&amp;W Nuclear Envir. Services, Leechburg, PA</td>
</tr>
<tr>
<td>BU</td>
<td>Autoridad Regulatoria, Buenos Aires, Argentina</td>
</tr>
<tr>
<td>BX</td>
<td>B&amp;W Nuclear Envir. Services, Nuclear Envir. Lab, Lynchburg, VA</td>
</tr>
<tr>
<td>CA</td>
<td>Atomic Energy Control Board, Ottawa, Canada</td>
</tr>
<tr>
<td>CC</td>
<td>Compuchem Environmental Corp., Research Triangle Park, NC</td>
</tr>
<tr>
<td>Labcode</td>
<td>Laboratories Reporting Data</td>
</tr>
<tr>
<td>---------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>CH</td>
<td>California State Dept. Health Serv., Sanitation &amp; Radiation Laborat, Berkeley, CA</td>
</tr>
<tr>
<td>CL</td>
<td>Core Laboratories, Casper, WY</td>
</tr>
<tr>
<td>CP</td>
<td>Controls for Envir. Pollution, Santa Fe, NM</td>
</tr>
<tr>
<td>CS</td>
<td>Rockwell Internat'l Corp., Rad. Protection T100, Canoga Park, CA</td>
</tr>
<tr>
<td>DC</td>
<td>Datachem Laboratories, Salt Lake City, UT</td>
</tr>
<tr>
<td>EB</td>
<td>AEB Consultants, Inc., Pine Bluff, AR</td>
</tr>
<tr>
<td>EE</td>
<td>Rust Remedial Services, Inc., Clemson Tech. Center Inc., Anderson, SC</td>
</tr>
<tr>
<td>EG</td>
<td>EG&amp;G Idaho/INEL, Idaho Falls, ID</td>
</tr>
<tr>
<td>EL</td>
<td>Energy Laboratories, Inc., Radiochemistry Department, Casper, WY</td>
</tr>
<tr>
<td>EP</td>
<td>US EPA-LV Mail Stop NRA, Las Vegas, NV</td>
</tr>
<tr>
<td>ET</td>
<td>Ecotek Lab Services Inc., Atlanta, GA</td>
</tr>
<tr>
<td>FG</td>
<td>FGL Environmental, Santa Paula, CA</td>
</tr>
<tr>
<td>FL</td>
<td>Dept of Health &amp; Rehab. Serv., Office of Rad. Control, Orlando, FL</td>
</tr>
<tr>
<td>FM</td>
<td>Office of Radiation Control, Mobile Emergency Radiological, Orlando, FL</td>
</tr>
<tr>
<td>FN</td>
<td>Fermi Nat’l Accelerator Lab, Batavia, IL</td>
</tr>
<tr>
<td>FS</td>
<td>Florida State University, Department of Oceanography, Tallahassee, FL</td>
</tr>
<tr>
<td>GA</td>
<td>Martin Marietta Energy Systems, Rm. 333 Bldg X710, Pikton, OH</td>
</tr>
<tr>
<td>GE</td>
<td>General Engineering Labs, Charleston, SC</td>
</tr>
<tr>
<td>GS</td>
<td>USGS/NWQL, Arvada, CO</td>
</tr>
<tr>
<td>HA</td>
<td>NUS Laboratory, Pittsburgh, PA</td>
</tr>
<tr>
<td>HC</td>
<td>Lawrence Livermore Laboratory, Hazards Control, Livermore, CA</td>
</tr>
<tr>
<td>HI</td>
<td>Heritage Laboratories, Inc., Indianapolis, IN</td>
</tr>
<tr>
<td>HL</td>
<td>Heritage Laboratories, Inc., Romeoville, IL</td>
</tr>
</tbody>
</table>
### Participating Laboratories in EML QAP

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Laboratories Reporting Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR</td>
<td>Hazen Research, Inc., Golden, CO</td>
</tr>
<tr>
<td>ID</td>
<td>DPRA - IRD/CNEN, Rio De Janeiro, Brasil</td>
</tr>
<tr>
<td>IE</td>
<td>IEA, Inc., Morrisville, NC</td>
</tr>
<tr>
<td>IN</td>
<td>WINCO MS 5202, Idaho Falls, ID</td>
</tr>
<tr>
<td>IR</td>
<td>B&amp;W Idaho C/O US DOE, Scoville, ID</td>
</tr>
<tr>
<td>IS</td>
<td>ITAS - St. Louis, Earth City, MO</td>
</tr>
<tr>
<td>IT</td>
<td>IT Corp. - Richland Laboratory, Richland, WA</td>
</tr>
<tr>
<td>KA</td>
<td>Knolls Atomic Power Lab, Bldg A-3 Rm 99, Schenectady, NY</td>
</tr>
<tr>
<td>LA</td>
<td>Los Alamos Nat’l Lab, Health &amp; Environ. Chem., HSE-9, Los Alamos, NM</td>
</tr>
<tr>
<td>LB</td>
<td>Lawrence Berkeley Lab, Univ. of California, Berkeley, CA</td>
</tr>
<tr>
<td>LH</td>
<td>Lockheed Analytical Laboratory, Las Vegas, NV</td>
</tr>
<tr>
<td>LL</td>
<td>Lawrence Livermore Nat’l Lab, Nuclear Chem. Div., Livermore, CA</td>
</tr>
<tr>
<td>LM</td>
<td>Los Alamos Nat’l Lab, Mercury, NV</td>
</tr>
<tr>
<td>LW</td>
<td>Lawrence Livermore Nat’l Lab, Nuclear Chem. Div., Livermore, CA</td>
</tr>
<tr>
<td>MA</td>
<td>Oak Ridge National Laboratory, Health &amp; Safety Research Div., Oak Ridge, TN</td>
</tr>
<tr>
<td>ME</td>
<td>Radiation Control Program, Jamaica Plain, MA</td>
</tr>
<tr>
<td>MI</td>
<td>Massachusetts Inst. of Tech., Middleton, MA</td>
</tr>
<tr>
<td>ML</td>
<td>Phillips, EG&amp;G Mound Applied Technology, Miamisburg, OH</td>
</tr>
<tr>
<td>NA</td>
<td>USEPA NAREL, Montgomery, AL</td>
</tr>
<tr>
<td>NC</td>
<td>Nuclear Services Laboratory, Raleigh, NC</td>
</tr>
<tr>
<td>NJ</td>
<td>New Jersey Dept. of Envir. Prot., Div. of Envir. Quality, Trenton, NJ</td>
</tr>
<tr>
<td>NL</td>
<td>Fermco, Cincinnati, OH</td>
</tr>
<tr>
<td>NY</td>
<td>NYU Medical Center, Nelson Inst. of Envir. Medicin, Tuxedo, NY</td>
</tr>
<tr>
<td>OB</td>
<td>OBG Laboratories, East Syracuse, NY</td>
</tr>
</tbody>
</table>
# Participating Laboratories in EML QAP

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Laboratories Reporting Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD</td>
<td>Oak Ridge National Laboratory, Radiobioassay Lab, Oak Ridge, TN</td>
</tr>
<tr>
<td>OI</td>
<td>Oak Ridge Research Institute, Inc., Oak Ridge, TN</td>
</tr>
<tr>
<td>OL</td>
<td>Oak Ridge National Laboratory, Environmental Sciences Div., Oak Ridge, TN</td>
</tr>
<tr>
<td>OR</td>
<td>Oak Ridge National Lab, Bldg 4500-N Rm G-5, Oak Ridge, TN</td>
</tr>
<tr>
<td>OS</td>
<td>Oregon State Health Division, Portland, OR</td>
</tr>
<tr>
<td>OT</td>
<td>Oak Ridge National Laboratory, Radioactive Material Analysis, Oak Ridge, TN</td>
</tr>
<tr>
<td>PA</td>
<td>Mason &amp; Hanger-Silas Mason Co., Inc., Amarillo, TX</td>
</tr>
<tr>
<td>PB</td>
<td>Mason &amp; Hanger-Silas Mason Co., Inc., Amarillo, TX</td>
</tr>
<tr>
<td>PC</td>
<td>Pace Inc., Golden, CO</td>
</tr>
<tr>
<td>PI</td>
<td>Martin Marietta Specialty Component, Large, FL</td>
</tr>
<tr>
<td>PR</td>
<td>Princeton Plasma Physics Lab, Princeton, NJ</td>
</tr>
<tr>
<td>RE</td>
<td>Reynolds Electrical Eng. Co., Inc., MS 774, Las Vegas, NV</td>
</tr>
<tr>
<td>RF</td>
<td>EG&amp;G Rocky Flats Plant, Bldg 123, Golden, CO</td>
</tr>
<tr>
<td>RG</td>
<td>EG&amp;G Rocky Flats Plant, Golden, CO</td>
</tr>
<tr>
<td>RI</td>
<td>Westinghouse Hanford Co., Analytical Labs, Dept. T6-16, Richland, WA</td>
</tr>
<tr>
<td>SA</td>
<td>Sandia Labs - Organization 7715, Radioactive Sample Diag. Prog., Albuquerque, NM</td>
</tr>
<tr>
<td>SC</td>
<td>Division Of Maxwell Labs, La Jolla, CA</td>
</tr>
<tr>
<td>SK</td>
<td>Savannah River Plant, Bldg 735-7A Rm 110, Aiken, SC</td>
</tr>
<tr>
<td>SR</td>
<td>Savannah River Plant, Aiken, SC</td>
</tr>
<tr>
<td>SS</td>
<td>Savannah River Tech Center, Aiken, SC</td>
</tr>
<tr>
<td>SV</td>
<td>Savannah Lab &amp; Envt Serv., Inc., Tampa, FL</td>
</tr>
<tr>
<td>SW</td>
<td>Southwest Research Institute, Div., P.O. Drawer 28510, San Antonio, TX</td>
</tr>
<tr>
<td>TI</td>
<td>Teledyne Brown Engineering, Environmental Services, Westwood, NJ</td>
</tr>
<tr>
<td>TM</td>
<td>TMA/Eberline-Albuquerque Lab, Albuquerque, NM</td>
</tr>
</tbody>
</table>

275
## Participating Laboratories in EML QAP

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Laboratories Reporting Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>TN</td>
<td>TMA/NORCAL, Richmond, CA</td>
</tr>
<tr>
<td>TO</td>
<td>TMA/Eberline, Oak Ridge Laboratory, Oak Ridge, TN</td>
</tr>
<tr>
<td>TY</td>
<td>Scientific Production Assoc. Typhoon, Obinsk, Kaluga Region, Russia</td>
</tr>
<tr>
<td>UC</td>
<td>Martin Marietta Energy Sys, Inc., Paducah, KY</td>
</tr>
<tr>
<td>UK</td>
<td>Martin Marietta Energy Sys, Inc., Oak Ridge, TN</td>
</tr>
<tr>
<td>UP</td>
<td>Martin Marietta Energy Sys, Inc., 9995 Production Support Radioc, Oak Ridge, TN</td>
</tr>
<tr>
<td>UY</td>
<td>Martin Marietta Energy Sys, Inc., Y-12 Plant, Oak Ridge, TN</td>
</tr>
<tr>
<td>WA</td>
<td>Environmental Radiation Lab, Off. of Public Health Labs, Seattle, WA</td>
</tr>
<tr>
<td>WC</td>
<td>Westinghouse Hanford Co., MSIN S3-28, Richland, WA</td>
</tr>
<tr>
<td>WI</td>
<td>Westinghouse Electric Corp., WIPP Site, Carlsbad, NM</td>
</tr>
<tr>
<td>WN</td>
<td>WINCO CPP-609, Scoville, ID</td>
</tr>
<tr>
<td>WP</td>
<td>Washington Public Power Supply Syst, Richland, WA</td>
</tr>
<tr>
<td>WS</td>
<td>Weldon Springs Site, St. Charles, MO</td>
</tr>
<tr>
<td>WV</td>
<td>West Valley Nuclear Services Co, In, MS 307, West Valley, NY</td>
</tr>
<tr>
<td>YA</td>
<td>Yankee Atomic Electric Company, Westboro, MA</td>
</tr>
</tbody>
</table>

Total Reporting Labs: 111
## Participating Laboratories in EML QAP

<table>
<thead>
<tr>
<th>Labcode</th>
<th>Laboratories Not Reporting Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>Atlan-Tech Inc., Radiochemistry Lab, Roswell, GA</td>
</tr>
<tr>
<td>AL</td>
<td>Ames Laboratory, Safety, Health &amp; Environment, Ames, IA</td>
</tr>
<tr>
<td>AP</td>
<td>ORAU, Prof'l Training Programs, Oak Ridge, TN</td>
</tr>
<tr>
<td>CZ</td>
<td>ACZ Laboratories, Inc., Steamboat Springs, CO</td>
</tr>
<tr>
<td>EA</td>
<td>Martin Marietta Energy Systems, Earth &amp; Atmospheric Science Se, Oak Ridge, TN</td>
</tr>
<tr>
<td>ED</td>
<td>TCT - St. Louis, St. Louis, MO</td>
</tr>
<tr>
<td>EN</td>
<td>WINCO CCP-609, Scoville, ID</td>
</tr>
<tr>
<td>HS</td>
<td>RESL - USDOE, Idaho Falls, ID</td>
</tr>
<tr>
<td>NR</td>
<td>NRF Chemistry, S1W2, Scoville, ID</td>
</tr>
<tr>
<td>RA</td>
<td>V. G. Khlopin Radium Institute, ST. Petersburg, Russia</td>
</tr>
<tr>
<td>RD</td>
<td>Radiation Detection Company, Sunyvale, CA</td>
</tr>
<tr>
<td>SE</td>
<td>Shealy Environmental Services Inc., Cayce, SC</td>
</tr>
<tr>
<td>SL</td>
<td>Stanford Linear Accelerator Center, Off. of Health Physics, Menlow Park, CA</td>
</tr>
<tr>
<td>WE</td>
<td>Westinghouse Electric Corp., Chemical &amp; Materials Tech., Madison, PA</td>
</tr>
<tr>
<td>XZ</td>
<td>Pacific Northwest Laboratory, Radiological Sciences Dept., Richland, WA</td>
</tr>
<tr>
<td>YP</td>
<td>US Army Proving Ground, ATTN: STEPY-RS-LS-MP, Yuma, AZ</td>
</tr>
</tbody>
</table>

Total Non-Reporting Labs: 16