Title: Annual input fluxes and source identification of trace elements in atmospheric deposition in Shanxi Basin: the largest coal base in China

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<table>
<thead>
<tr>
<th></th>
<th>As</th>
<th>Cd</th>
<th>Pb</th>
<th>Se</th>
<th>Zn</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Deposition</strong></td>
<td>16</td>
<td>1.95</td>
<td>124</td>
<td>3.81</td>
<td>357</td>
</tr>
<tr>
<td></td>
<td>(4.4-62.3)</td>
<td>(0.06-11.7)</td>
<td>(17.6-638)</td>
<td>(0.06-22.5)</td>
<td>(18.9-3200)</td>
</tr>
<tr>
<td><strong>Shanxi coal</strong></td>
<td>4.1</td>
<td>1.1</td>
<td>24.9</td>
<td>4.7</td>
<td>45.9</td>
</tr>
<tr>
<td></td>
<td>(bdl-82.4)</td>
<td>(bdl-2.5)</td>
<td>(bdl-88)</td>
<td>(bdl-12.6)</td>
<td>(bdl-193)</td>
</tr>
<tr>
<td>Early Permian coals</td>
<td>1.7</td>
<td>1</td>
<td>25</td>
<td>5.4</td>
<td>38.6</td>
</tr>
<tr>
<td>Late Carboniferous coals</td>
<td>2.6</td>
<td>1.2</td>
<td>28.7</td>
<td>6.1</td>
<td>63.3</td>
</tr>
<tr>
<td>Middle Jurassic coals</td>
<td>12.3</td>
<td>0.6</td>
<td>9.4</td>
<td>0.6</td>
<td>23.7</td>
</tr>
</tbody>
</table>

*a: this study

b: Zhang et al. (2004)

bdl: below detection limit.