Supplementary Information for

ELECTRICAL FEATURES, LIQUID COMPOSITION AND TOXICANT EMISSIONS FROM ‘POD-MOD’-LIKE DISPOSABLE ELECTRONIC CIGARETTES

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**Figure S1.** A disassembled used Ezzy Oval disposable product and a disassembled used JUUL device
Figure S2. Disassembled pod-mod-like disposable devices that were used in this study
**Table S1.** Metal emissions for five different disposable e-cigarette devices and one JUUL; average (SD). * indicates significant difference from JUUL. Data from other closed-system e-cigarettes were normalized on a 15 puff basis for comparison.

<table>
<thead>
<tr>
<th>TYPE</th>
<th>POD-MOD-LIKE DISPOSABLES</th>
<th>POD-SYSTEM</th>
<th>OTHER CLOSED-SYSTEM E-CIGARETTES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Brand</strong></td>
<td>Ezzy Oval</td>
<td>Hyde</td>
<td>Puff Bar</td>
</tr>
<tr>
<td><strong>Flavor</strong></td>
<td>Berry Cool</td>
<td>Mango Lychee</td>
<td>Cherry Lemonade</td>
</tr>
<tr>
<td><strong>Metal emissions in 15 puffs (ng)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Antimony</td>
<td>ND</td>
<td>ND</td>
<td>126(66)</td>
</tr>
<tr>
<td>Chromium</td>
<td>222(64)</td>
<td>1205(1500)</td>
<td>127(83)</td>
</tr>
<tr>
<td>Iron</td>
<td>2394(2284)</td>
<td>3704(2664)</td>
<td>1450(438)</td>
</tr>
<tr>
<td>Nickel</td>
<td>105(51)</td>
<td>171(47)</td>
<td>102(20)</td>
</tr>
<tr>
<td>Copper</td>
<td>114(35)</td>
<td>236(94)</td>
<td>117(42)</td>
</tr>
<tr>
<td>Arsenic</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
</tr>
<tr>
<td>Cadmium</td>
<td>ND</td>
<td>12(17)</td>
<td>ND</td>
</tr>
<tr>
<td>Tin</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
</tr>
<tr>
<td>Manganese</td>
<td>70(49)</td>
<td>454(601)</td>
<td>155(69)</td>
</tr>
<tr>
<td>Strontium</td>
<td>23(21)</td>
<td>19(5)</td>
<td>14(6)</td>
</tr>
<tr>
<td>Total metals</td>
<td>2139(2199)</td>
<td>5804(4815)*</td>
<td>2050(467)</td>
</tr>
</tbody>
</table>

* We note that the high values reported for the Ezzy Oval Mango Lychee result from very high metal emissions obtained from the first of the three samples that we generated using the same pod. This result may be due to metals leaching when the device was first operated suggesting poor QA.
REFERENCES


