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| **Supplementary Table 1: Juvenile Open Field ANOVA p-values** | | | | | |  | |
| **Endpoint** | **Effect of Exposure** | **Effect of Sex** | | **Group by Sex**  **Interaction** | **Group Differences** | **Effect of Test Day** | |
| Distance Traveled – Interval 1 | 0.807 | **0.024** | F<M | 0.772 |  | **0.001** | 1<2 |
| Distance Traveled – Interval 2 | 0.162 | **0.012** | F<M | 0.860 |  | 0.103 | 1=2 |
| Distance Traveled – Interval 3 | 0.252 | **0.014** | F<M | 0.808 |  | 0.429 | 1=2 |
| Distance Traveled – Interval 4 | 0.222 | 0.090 | F=M | 0.957 |  | 0.258 | 1=2 |
| Distance Traveled – Interval 5 | 0.436 | 0.854 | F=M | 0.321 |  | 0.972 | 1=2 |
| Distance Traveled – Interval 6 | 0.824 | 0.416 | F=M | 0.273 |  | 0.382 | 1=2 |
| Overall Distance Traveled | 0.264 | **0.006** | F<M | 0.906 |  | 0.661 | 1=2 |
| Time Resting – Interval 1 | 0.725 | 0.179 | F=M | 0.850 |  | 0.082 | 1=2 |
| Time Resting – Interval 2 | **0.033** | **0.014** | F>M | 0.914 | Vehicle < BPA 2.5\*\*  Vehicle < BPA 25\*\*\* | **0.016** | 1<2 |
| Time Resting – Interval 3 | 0.152 | **0.027** | F>M | 0.869 |  | 0.147 | 1=2 |
| Time Resting – Interval 4 | 0.283 | **0.024** | F>M | 0.978 |  | 0.284 | 1=2 |
| Time Resting – Interval 5 | 0.183 | 0.666 | F=M | 0.351 |  | 0.923 | 1=2 |
| Time Resting – Interval 6 | 0.816 | 0.263 | F=M | 0.409 |  | 0.363 | 1=2 |
| Overall Time Resting | 0.071 | **0.009** | F>M | 0.980 |  | 0.516 | 1=2 |
| Entries – Center – Interval 1 | 0.876 | 0.171 | F=M | 0.791 |  | 0.223 | 1=2 |
| Entries – Center – Interval 2 | 0.153 | **0.015** | F<M | 0.301 |  | 0.126 | 1=2 |
| Entries – Center – Interval 3 | 0.670 | **0.036** | F<M | 0.857 |  | 0.517 | 1=2 |
| Entries – Center – Interval 4 | **0.048** | **0.020** | F<M | 0.986 | Vehicle > BPA 25\*\* | 0.243 | 1=2 |
| Entries – Center – Interval 5 | 0.235 | 0.858 | F=M | 0.678 |  | 0.672 | 1=2 |
| Entries – Center – Interval 6 | 0.432 | 0.237 | F=M | 0.795 |  | 0.831 | 1=2 |
| Total Entries – Center | 0.373 | **0.014** | F<M | 0.981 |  | 0.897 | 1=2 |
| Time in Center – Interval 1 | 0.342 | 0.106 | F=M | 0.559 |  | 0.360 | 1=2 |
| Time in Center – Interval 2 | 0.445 | **0.009** | F<M | 0.658 |  | 0.891 | 1=2 |
| Time in Center – Interval 3 | 0.776 | 0.083 | F=M | 0.709 |  | 0.863 | 1=2 |
| Time in Center – Interval 4 | **0.047** | **0.034** | F<M | 0.703 | Vehicle > BPA 25\*\*  BPA 25 < EE\* | 0.183 | 1=2 |
| Time in Center – Interval 5 | 0.304 | 0.999 | F=M | 0.927 |  | 0.531 | 1=2 |
| Time in Center – Interval 6 | 0.394 | 0.079 | F=M | 0.972 |  | 0.873 | 1=2 |
| Total Time – Center | 0.373 | **0.011** | F<M | 0.990 |  | 0.401 | 1=2 |

\*=*p*≤0.05, \*\*=*p*≤0.01, \*\*\*=*p*≤0.001; F=M and 1=2, no statistically significant difference