

**Correction to “Thermochemical Properties of *exo*-Tricyclo-[5.2.1.0<sup>2,6</sup>]decane (JP-10 Jet Fuel) and Derived Tricyclodecyl Radicals”** [*The Journal of Physical Chemistry A* 2010, 114, 9545–9553. DOI: 10.1021/jp1049556]. Jason Hudzik Rubik Asatryan and Joseph W. Bozzelli\*

The NASA Polynomial thermochemical property data for the tricyclodecane (JP10) and its radicals, Table 24 (NASA Polynomial Thermodynamic Data for TCD and Radicals) in the Supporting Information is corrected. The corrected table is presented below:

**Table 24. NASA Polynomial Thermodynamic Data for TCD and Radicals**

| THERMO                    |                 |                 |                |                 |    |    |         |          |          |          |  |    |
|---------------------------|-----------------|-----------------|----------------|-----------------|----|----|---------|----------|----------|----------|--|----|
| 300.000 1500.000 5000.000 |                 |                 |                |                 |    |    |         |          |          |          |  |    |
| TCD                       | TCD             | CBS-G3B3        | C              | 10H             | 16 | 0  | OG      | 300.000  | 5000.000 | 1399.000 |  | 01 |
| 2.53375963E+01            | 4.25886209E-02  | -1.46060943E-05 | 2.27210376E-09 | -1.32014524E-13 |    |    |         |          |          |          |  | 2  |
| -2.44260117E+04           | -1.24605712E+02 | -1.53764567E+01 | 1.39751131E-01 | -1.03279999E-04 |    |    |         |          |          |          |  | 3  |
| 3.90654702E-08            | -5.98179812E-12 | -1.05825722E+04 | 9.31735320E+01 |                 |    |    |         |          |          |          |  | 4  |
| TCDR1                     | TCDR1           | level bC        | 10H            | 15              | 0  | OG | 300.000 | 5000.000 | 1400.000 |          |  | 01 |
| 2.53123286E+01            | 4.00950652E-02  | -1.37528205E-05 | 2.13959548E-09 | -1.24325465E-13 |    |    |         |          |          |          |  | 2  |
| 3.65718455E+03            | -1.22553148E+02 | -1.44509225E+01 | 1.36547754E-01 | -1.03618762E-04 |    |    |         |          |          |          |  | 3  |
| 4.03365675E-08            | -6.35748628E-12 | 1.70197975E+04  | 8.95845780E+01 |                 |    |    |         |          |          |          |  | 4  |
| TCDR2                     | TCDR2           | level bC        | 10H            | 15              | 0  | OG | 300.000 | 5000.000 | 1399.000 |          |  | 01 |
| 2.54631943E+01            | 4.00001915E-02  | -1.37275021E-05 | 2.13641905E-09 | -1.24172025E-13 |    |    |         |          |          |          |  | 2  |
| 1.17442318E+01            | -1.22780303E+02 | -1.41510324E+01 | 1.35730762E-01 | -1.02494553E-04 |    |    |         |          |          |          |  | 3  |
| 3.96580050E-08            | -6.21112045E-12 | 1.33596480E+04  | 8.86892406E+01 |                 |    |    |         |          |          |          |  | 4  |
| TCDR3                     | TCDR3           | level bC        | 10H            | 15              | 0  | OG | 300.000 | 5000.000 | 1400.000 |          |  | 01 |
| 2.57424908E+01            | 3.97397049E-02  | -1.36322871E-05 | 2.12098146E-09 | -1.23249333E-13 |    |    |         |          |          |          |  | 2  |
| -1.06337134E+03           | -1.24080662E+02 | -1.41306407E+01 | 1.37076545E-01 | -1.05062791E-04 |    |    |         |          |          |          |  | 3  |
| 4.13506895E-08            | -6.58949623E-12 | 1.22765374E+04  | 8.84277689E+01 |                 |    |    |         |          |          |          |  | 4  |
| TCDR4                     | TCDR4           | level bC        | 10H            | 15              | 0  | OG | 300.000 | 5000.000 | 1400.000 |          |  | 01 |
| 2.57953688E+01            | 3.97259905E-02  | -1.36344735E-05 | 2.12204453E-09 | -1.23340486E-13 |    |    |         |          |          |          |  | 2  |
| -8.22267458E+02           | -1.23474058E+02 | -1.39224548E+01 | 1.36247575E-01 | -1.03784416E-04 |    |    |         |          |          |          |  | 3  |
| 4.05512073E-08            | -6.41437299E-12 | 1.25082485E+04  | 8.83596514E+01 |                 |    |    |         |          |          |          |  | 4  |
| TCDR9                     | TCDR9           | level bC        | 10H            | 15              | 0  | OG | 300.000 | 5000.000 | 1400.000 |          |  | 01 |
| 2.57504044E+01            | 3.97126122E-02  | -1.36182334E-05 | 2.11828140E-09 | -1.23071121E-13 |    |    |         |          |          |          |  | 2  |
| -6.90364925E+02           | -1.24563613E+02 | -1.41655013E+01 | 1.37576636E-01 | -1.06059188E-04 |    |    |         |          |          |          |  | 3  |
| 4.20389502E-08            | -6.74838149E-12 | 1.26245115E+04  | 8.80276354E+01 |                 |    |    |         |          |          |          |  | 4  |
| TCDR10                    | TCDR10          | level bC        | 10H            | 15              | 0  | OG | 300.000 | 5000.000 | 1400.000 |          |  | 01 |
| 2.56614518E+01            | 3.97557725E-02  | -1.36261206E-05 | 2.11879623E-09 | -1.23072512E-13 |    |    |         |          |          |          |  | 2  |
| 2.05577520E+03            | -1.23770506E+02 | -1.41801156E+01 | 1.37296733E-01 | -1.05556053E-04 |    |    |         |          |          |          |  | 3  |
| 4.17025900E-08            | -6.67015781E-12 | 1.53551570E+04  | 8.84667068E+01 |                 |    |    |         |          |          |          |  | 4  |
| END                       |                 |                 |                |                 |    |    |         |          |          |          |  |    |

| SPECIES | HF(298) | S(298) | CP300<br>CP2000 | CP400<br>CP2500 | CP500<br>CP3000 | CP600<br>CP3500 | CP800<br>CP4000 | CP1000<br>CP5000 | CP1500 | DATE   | REF      | ELEMENTS |    |   |    |         |
|---------|---------|--------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|--------|--------|----------|----------|----|---|----|---------|
| TCD     | -19.46  | 85.40  | 36.28<br>135.42 | 52.35<br>140.81 | 65.95<br>143.66 | 77.41<br>145.21 | 95.13<br>146.27 | 107.65<br>148.29 | 125.89 | TCD    | CBS-G3B3 | C        | 10 | H | 16 | 0 0 G 0 |
| TCDR1   | 35.65   | 86.84  | 36.21<br>130.38 | 51.68<br>135.45 | 64.70<br>138.14 | 75.63<br>139.59 | 92.43<br>140.59 | 104.23<br>142.49 | 121.41 | TCDR1  | CBS-G3B  | C        | 10 | H | 15 | 0 0 G 0 |
| TCDR2   | 28.50   | 88.06  | 36.49<br>130.46 | 51.90<br>135.51 | 64.89<br>138.18 | 75.81<br>139.62 | 92.59<br>140.61 | 104.38<br>142.51 | 121.52 | TCDR2  | CBS-G3B  | C        | 10 | H | 15 | 0 0 G 0 |
| TCDR3   | 26.44   | 88.37  | 36.96<br>130.52 | 52.39<br>135.54 | 65.37<br>138.20 | 76.24<br>139.64 | 92.92<br>140.63 | 104.60<br>142.52 | 121.63 | TCDR3  | CBS-G3B  | C        | 10 | H | 15 | 0 0 G 0 |
| TCDR4   | 26.97   | 90.20  | 37.07<br>130.57 | 52.46<br>135.58 | 65.42<br>138.23 | 76.28<br>139.66 | 92.97<br>140.65 | 104.67<br>142.53 | 121.69 | TCDR4  | CBS-G3B  | C        | 10 | H | 15 | 0 0 G 0 |
| TCDR9   | 27.14   | 87.40  | 37.04<br>130.51 | 52.48<br>135.53 | 65.45<br>138.19 | 76.31<br>139.63 | 92.95<br>140.63 | 104.60<br>142.51 | 121.61 | TCDR9  | CBS-G3B  | C        | 10 | H | 15 | 0 0 G 0 |
| TCDR10  | 32.54   | 87.98  | 36.92<br>130.45 | 52.35<br>135.49 | 65.32<br>138.16 | 76.18<br>139.61 | 92.83<br>140.61 | 104.50<br>142.50 | 121.53 | TCDR10 | CBS-G3B  | C        | 10 | H | 15 | 0 0 G 0 |

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