**Table of Thermodynamic Values needed to answer Problems 4 and 5 in the Literature Discussion of:**

“Regeneration of an IrIII Complex Active for Alkane Dehydrogenation Using Molecular Oxygen” by Kate E. Allen, D. Michael Heinekey, Alan S. Goldman, Karen I. Goldberg, *Organometallics*, **2014**, *33*, 1337-1340. (DOI: /10.1021/om401241e)

|  |  |  |
| --- | --- | --- |
|  | $$∆\_{f}H^{°} (kJ/mol)$$ | $$S^{°}(J/mol·K)$$ |
| Octane | ‒252 | 361 |
| Octene | ‒122 | 360 |
| H2 | 0 | 130 |
| O2 | 0 | 205 |
| H2O | -286 | 70 |