## Sunoco, Inc. Philadelphia Refinery

| 433 Vessel Description      |               |                                | Normal Values    |                  |                    | Maximum Values   |                    |
|-----------------------------|---------------|--------------------------------|------------------|------------------|--------------------|------------------|--------------------|
|                             | CHEMICAL NAME | CHEMICAL<br>SPECIFIC<br>WEIGHT | VESSEL<br>VOLUME | CHEMICAL<br>VOL% | CHEMICAL<br>WEIGHT | VESSEL<br>VOLUME | CHEMICAL<br>WEIGHT |
|                             |               | (LBS/ CU. FT.)                 | (CU. FT)         | (%)              | (LBS)              | (CU. FT.)        | (LBS)              |
| V-1 Treater Feed Surge Drum | ETHANE        | 24.09                          | 3170             | 0.00             | 0                  | 4524             | 0                  |
| V-1 Treater Feed Surge Drum | PROPANE       | 30.42                          | 3170             | 2.00             | 1929               | 4524             | 2753               |
| V-1 Treater Feed Surge Drum | PROPYLENE     | 31.50                          | 3170             | 2.20             | 2193               | 4524             | 3130               |
| V-1 Treater Feed Surge Drum | i-BUTANE      | 34.03                          | 3170             | 31.54            | 34028              | 4524             | 48563              |
| V-1 Treater Feed Surge Drum | n-BUTANE      | 35.33                          | 3170             | 9.24             | 10349              | 4524             | 14770              |
| V-1 Treater Feed Surge Drum | Isobutene     | 37.01                          | 3170             | 12.95            | 15194              | 4524             | 21684              |
| V-1 Treater Feed Surge Drum | 1- Butene     | 37.07                          | 3170             | 7.03             | 8256               | 4524             | 11783              |
| V-1 Treater Feed Surge Drum | 1,3-Butadiene | 41.06                          | 3170             | 0.00             | 5                  | 4524             | 7                  |
| V-1 Treater Feed Surge Drum | Cis-2-Butene  | 39.08                          | 3170             | 9.46             | 11723              | 4524             | 16731              |
| V-1 Treater Feed Surge Drum | Tra-2-Butene  | 38.00                          | 3170             | 14.35            | 17287              | 4524             | 24670              |
| V-1 Treater Feed Surge Drum | 1-Pentene     | 40.29                          | 3170             | 4.91             | 6275               | 4524             | 8956               |
| V-1 Treater Feed Surge Drum | I-PENTANE     | 38.13                          | 3170             | 5.60             | 6767               | 4524             | 9658               |
| V-1 Treater Feed Surge Drum | N-PENTANE     | 38.65                          | 3170             | 0.54             | 659                | 4524             | 940                |
| V-1 TOTAL                   |               |                                | 3170             |                  | 114667             | 4524             | 163644             |