

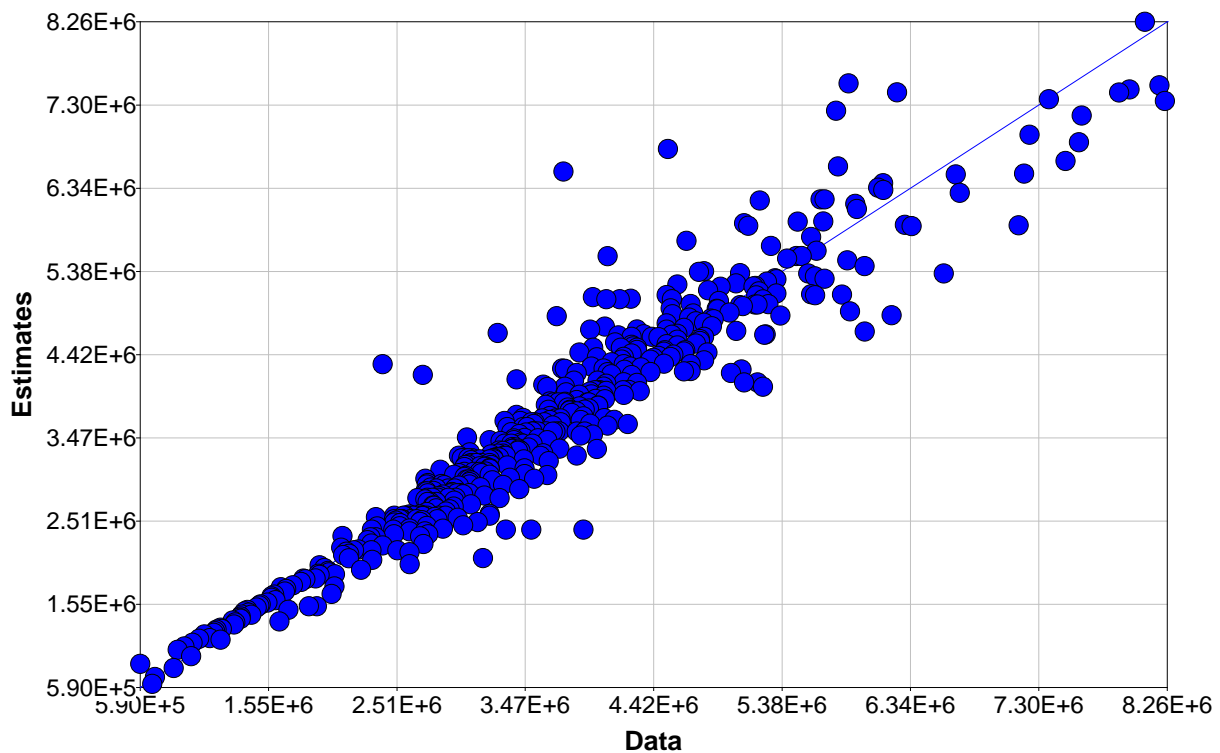
Pc: Lydersen Method [MKS]

Evaluated on Aug 08, 2016 at 01:10:01

Evaluation Statistics

Statistic	Value	Units
Number of Observations	507	- - -
Average Error	-11622.10239	Pa
Average Absolute Error	254036.58284	Pa
Average Absolute % Error	6.87453	%
Maximum Error	2783888.81828	Pa
Minimum Error	-1490381.18625	Pa
Maximum Absolute Error	2783888.81828	Pa
Minimum Absolute Error	510.93096	Pa

Estimates vs Data Graph



Maximum Errors

1) Tetrafluorohydrazine

Datum: 3750000.00000 Pa

Estimate:	6533888.81828	Pa
Error:	2783888.81828	Pa

2) Nitrogen trifluoride

Datum:	4530000.00000	Pa
Estimate:	6794483.44936	Pa
Error:	2264483.44936	Pa

3) 4-Aminotoluene

Datum:	2400000.00000	Pa
Estimate:	4316409.97084	Pa
Error:	1916409.97084	Pa

4) Carbonyl sulfide

Datum:	5880000.00000	Pa
Estimate:	7548574.53584	Pa
Error:	1668574.53584	Pa

5) Triethanolamine

Datum:	2700000.00000	Pa
Estimate:	4191856.40235	Pa
Error:	1491856.40235	Pa

6) Trimethylamine

Datum:	4080000.00000	Pa
Estimate:	5558917.28480	Pa
Error:	1478917.28480	Pa

7) Acetic acid

Datum:	5786000.00000	Pa
Estimate:	7236234.77653	Pa
Error:	1450234.77653	Pa

8) Trifluoroacetic acid

Datum:	3258000.00000	Pa
Estimate:	4675281.88917	Pa
Error:	1417281.88917	Pa

9) 1,3-Benzenediol

Datum:	6240000.00000	Pa
Estimate:	7447121.29950	Pa
Error:	1207121.29950	Pa

10) Isobutyric acid

Datum:	3700000.00000	Pa
Estimate:	4869504.46622	Pa
Error:	1169504.46622	Pa

Minimum Errors

1) o-Terphenyl

Datum:	3900000.00000	Pa
Estimate:	2409618.81375	Pa
Error:	-1490381.18625	Pa

2) 1,4-Butanediol

Datum:	6200000.00000	Pa
Estimate:	4879499.06061	Pa
Error:	-1320500.93939	Pa

3) Cyanogen

Datum:	6000000.00000	Pa
Estimate:	4692548.68281	Pa
Error:	-1307451.31719	Pa

4) 1,2-Dibromoethane

Datum:	7150000.00000	Pa
Estimate:	5914399.77368	Pa
Error:	-1235600.22632	Pa

5) Succinic acid

Datum:	6590000.00000	Pa
Estimate:	5360741.45982	Pa
Error:	-1229258.54018	Pa

6) 1,1,2-Trifluoroethane

Datum:	5240000.00000	Pa
Estimate:	4055748.84228	Pa
Error:	-1184251.15772	Pa

7) m-Terphenyl

Datum:	3510000.00000	Pa
Estimate:	2409618.81375	Pa

Error: -1100381.18625 Pa

8) N-Methylaniline

Datum: 5200000.00000 Pa

Estimate: 4106652.64748 Pa

Error: -1093347.35252 Pa

9) Diethylene glycol butyl ether acetate

Datum: 3150000.00000 Pa

Estimate: 2081923.44264 Pa

Error: -1068076.55736 Pa

10) Isobutyraldehyde

Datum: 5100000.00000 Pa

Estimate: 4105654.31771 Pa

Error: -994345.68229 Pa

References

1) Estimated using Lydersen Method [MKS] for the Critical Pressure. Referenced in: A. L. Lydersen. "Estimation of Critical Properties of Organic Compounds." Year 1955.
