

Report Pages

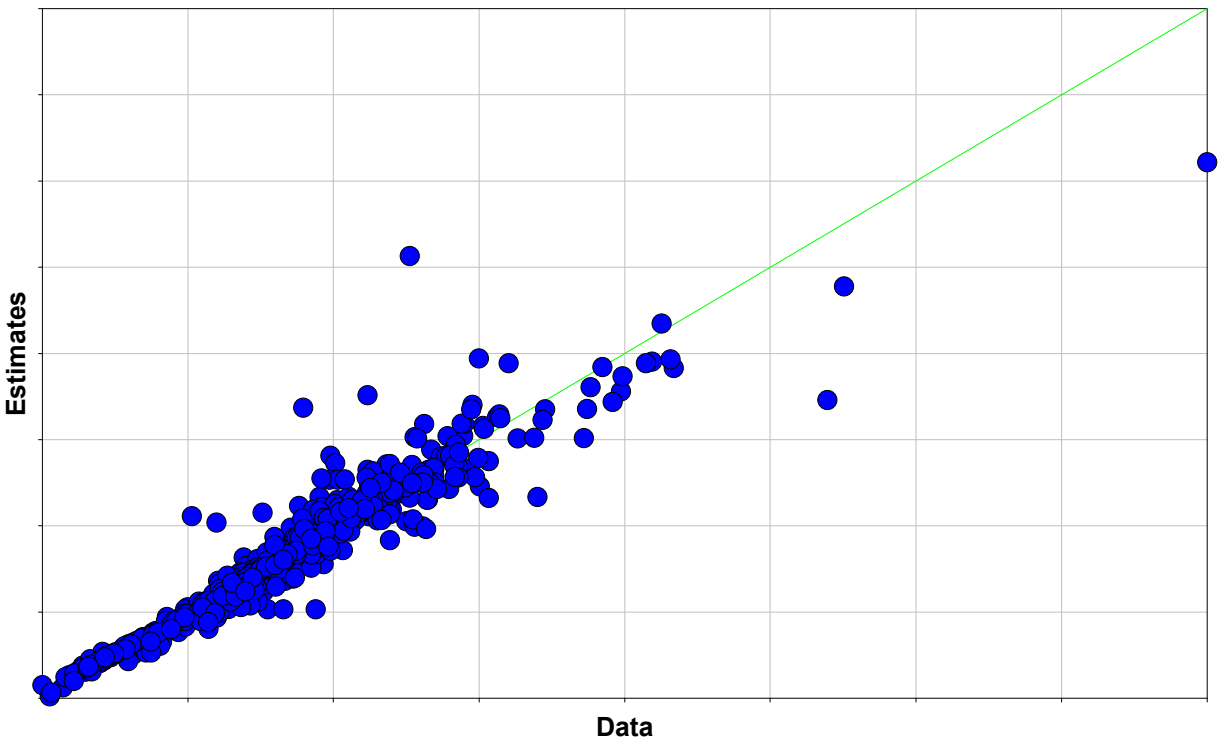
Pc: Lydersen Method [MKS]

Evaluated on Mar 20, 2024 at 16:30:54

Evaluation Statistics

Statistic	Value	Units
Number of Observations	531	---
Average Error	-30.426956	kPa
Average Absolute Error	266.714176	kPa
Average Absolute % Error	6.922001	%
Maximum Error	4595.224361	kPa
Minimum Error	-3404.356094	kPa
Maximum Absolute Error	4595.224361	kPa
Minimum Absolute Error	0.510931	kPa

Estimates vs Data Graph



Maximum Errors - Sorted by Absolute Percent Error

1) Oxygen

Datum:	5043.000000	---
Estimate:	9638.224361	kPa
Error:	4595.224361	kPa

2) 4-Aminotoluene

Datum:	2400.000000	---
Estimate:	4316.409971	kPa
Error:	1916.409971	kPa

3) Tetrafluorohydrazine

Datum:	3750.000000	---
Estimate:	6533.888818	kPa
Error:	2783.888818	kPa

4) Triethanolamine

Datum:	2700.000000	---
Estimate:	4191.856402	kPa
Error:	1491.856402	kPa

5) Nitrogen trifluoride

Datum:	4530.000000	---
Estimate:	6794.483449	kPa
Error:	2264.483449	kPa

6) 2,6,10,15,19,23-Hexamethyltetracosane

Datum:	590.000000	---
Estimate:	862.466823	kPa
Error:	272.466823	kPa

7) o-Terphenyl

Datum:	3900.000000	---
Estimate:	2409.618814	kPa
Error:	-1490.381186	kPa

8) Trimethylamine

Datum:	4080.000000	---
Estimate:	5558.917285	kPa
Error:	1478.917285	kPa

9) Trifluoroacetic acid

Datum:	3258.000000	---
Estimate:	4391.482787	kPa
Error:	1133.482787	kPa

10) Dinitrogen tetroxide

Datum:	10100.000000	---
Estimate:	6695.643906	kPa
Error:	-3404.356094	kPa

Minimum Errors - Sorted by Absolute Percent Error

1) n-Nonane

Datum:	2288.000000	---
Estimate:	2288.510931	kPa
Error:	0.510931	kPa

2) 2,2-Dimethylhexane

Datum:	2529.000000	---
Estimate:	2529.758256	kPa
Error:	0.758256	kPa

3) Ethyl chloride

Datum:	5270.000000	---
Estimate:	5267.447317	kPa
Error:	-2.552683	kPa

4) Propylene

Datum:	4601.000000	---
Estimate:	4597.800148	kPa
Error:	-3.199852	kPa

5) Phenyl acetate

Datum:	3590.000000	---
Estimate:	3587.338612	kPa
Error:	-2.661388	kPa

6) n-Hexane

Datum:	3012.000000	---
Estimate:	3014.316649	kPa
Error:	2.316649	kPa

7) 1-Pentadecanol

Datum:	1600.000000	---
Estimate:	1598.591925	kPa
Error:	-1.408075	kPa

8) n-Undecane

Datum:	1966.000000	---
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Estimate:	1967.842159	kPa
Error:	1.842159	kPa

9) 2,2,4-Trimethylpentane

Datum:	2568.000000	- - -
Estimate:	2570.453975	kPa
Error:	2.453975	kPa

10) Carbon dioxide

Datum:	7375.000000	- - -
Estimate:	7367.307330	kPa
Error:	-7.692670	kPa

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