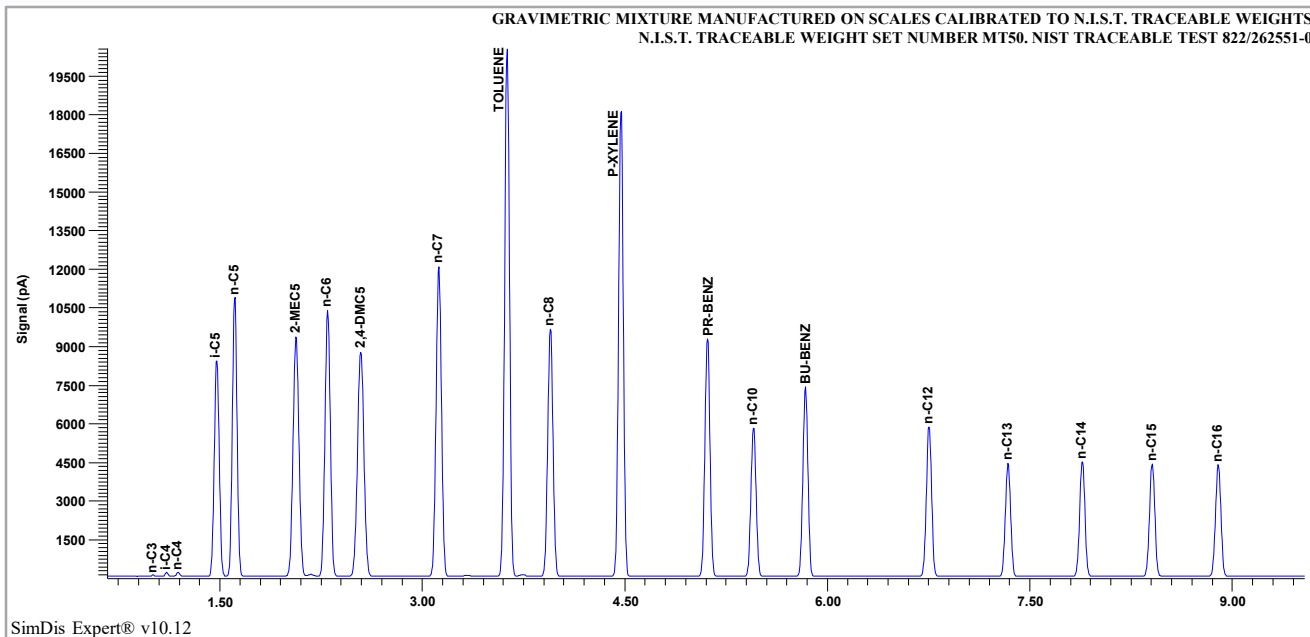


# Certificate of Analysis

SD-060-05 Lot # 030719ES

GRAVIMETRIC MIXTURE MANUFACTURED ON SCALES CALIBRATED TO N.I.S.T. TRACEABLE WEIGHTS  
N.I.S.T. TRACEABLE WEIGHT SET NUMBER MT50. NIST TRACEABLE TEST 822/262551-0



## SD-060-05 Retention Time & Response Factor Standard for ASTM D7096

Lot #: 030719ES Exp: Mar. 2024

Column: SD-003 (30m x 0.53mm x 5.0µm) Inlet: S/SL at 250°C with 35:1 split Carrier: UHP He; 5 mL/min (0.5 min hold) to 20 mL/min at 60 mL/min<sup>2</sup>  
Oven: 40°C (1 min hold) to 260°C at 25°C/min (4 min final hold) Detector: FID at 300°C Injection Volume: 1.0 µL

Component		Weight %	Volume %
n-Propane	n-C3	Trace	Trace
Isobutane	i-C4	Trace	Trace
n-Butane	n-C4	Trace	Trace
Isopentane	i-C5	5.34	6.32
n-Pentane	n-C5	6.48	7.59
2-Methylpentane	2-MEC5	7.11	7.98
n-Hexane	n-C6	7.12	7.93
2,4-Dimethylpentane	2,4-DMC5	7.27	7.94
n-Heptane	n-C7	8.31	8.93
Toluene	TOLUENE	11.80	9.97
n-Octane	n-C8	6.50	6.79
p-Xylene	P-XYLENE	10.26	8.75
n-Propylbenzene	PR-BENZ	5.63	4.80
n-Decane	n-C10	3.83	3.86
n-Butylbenzene	BU-BENZ	4.48	3.83
n-Dodecane	n-C12	3.88	3.81
n-Tridecane	n-C13	2.95	2.86
n-Tetradecane	n-C14	3.01	2.92
n-Pentadecane	n-C15	2.99	2.86
n-Hexadecane	n-C16	3.01	2.87
		100	100

 Separation Systems, Inc.  
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