

Instrument Report

System sys0440



Agilent GC 6890N with HS & FID

Instrument Name	Instrument Model	Serial Number
Agilent GC 6890N	G1530N	CN10514033
Agilent HS 1888	G1888	IT00604006
HP Computer WorkStation	COMPUTER	2UA20218RN

Oven Temperature Verification

Acceptance Criteria: Temperature difference +/- 2°C

Temp set °C	GC Display Temp	Thermometer reading	Temperature difference
30	30	30.2	0.2
50	50	49.9	-0.1
100	100	99.8	-0.2
150	150	150.4	0.4
200	200	200.7	0.7
250	250	250.7	0.7
300	300	300.8	0.8

Repeatability Test

Acceptance Criteria : Area NMT 2 % RSD

Inj #	ID	Ref RT (min)	Ref Area	Int Std RT (min)	Int Std Area	Ratio
1	SPL 1	1.745	34444.7	3.039	62007.5	0.5555
2	SPL 2	1.744	38612.6	3.044	69300.5	0.5572
3	SPL 3	1.744	38067.2	3.044	67941.6	0.5603
4	SPL 4	1.744	38210.4	3.044	67985.9	0.5620
5	SPL 5	1.744	37849.7	3.043	67392.6	0.5616
6	SPL 6	1.745	35773.0	3.041	64121.6	0.5579
Results	Mean	1.744		3.043		0.5591
	STD Dev	0.001		0.002		0.0026
	% RSD	0.0		0.1		0.5