

COMPOSITIONAL PRECISION REPORT

ACQUISITION INFORMATION

System Name: IClass_BSM_FTN_FLR

Project Path: SQT_E_BSM_FTN_FLR

Processing Method: Automated Qualification PM

Sample Kit 1 Expiration Date: 28.02.2020 00:00:00 SGT

Sample Kit 1 Lot Number: 700002753

Acquired By: hzluo

Report Method: Compositional Precision RM

Column Serial Number: 03323902435101

Sample Set Name: Compositional Prec SSM

Sample Set Id: 3525

Result Set Id: 3613

The Compositional precision test verifies the solvent management system can deliver an expected solvent mixture within acceptable criteria. Anthracene is injected multiple times from the same vial and then eluted using different combinations of solvent reservoirs.

Compositional precision testing passes only when all six (6) expected Anthracene peaks are identified and the standard deviation of peak retention time between the solvent reservoirs is ≤ 1.0 sec.

Results are rounded to the same precision as displayed by the acceptance criterion prior to comparing against the specification.

Compositional Precision Results

	Compositional Precision Specification Anthracene RT Standard Deviation (sec)	Anthracene Retention Time Standard Deviation (sec)	Compositional Precision Pass/Fail
1	≤ 1.0	0.7	PASS

Certification

Comments

The undersigned performer attests that the values recorded above are accurate and complete.

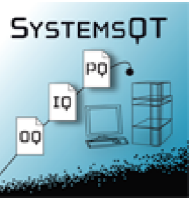
Performer

Signature Date

The undersigned reviewer accepts that the values recorded above are accurate and complete.

Reviewer

Signature Date



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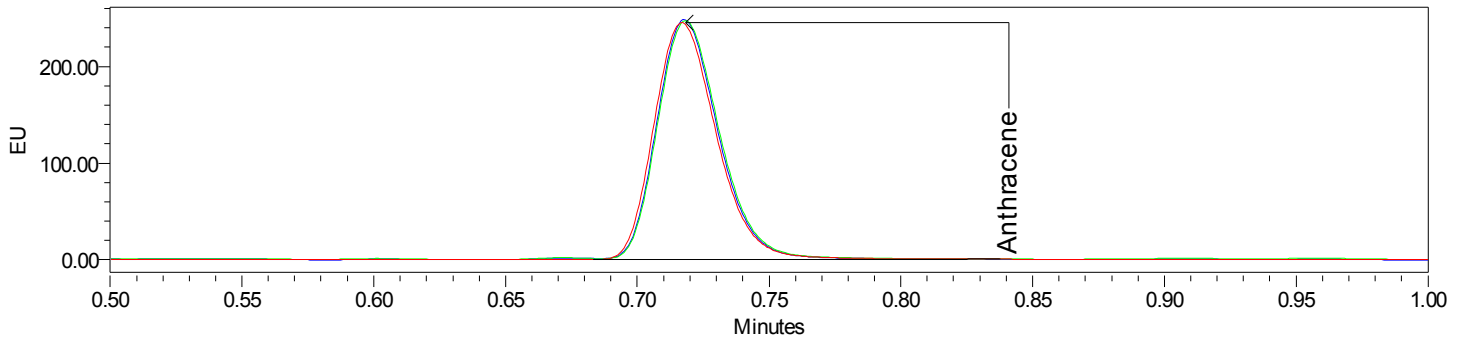
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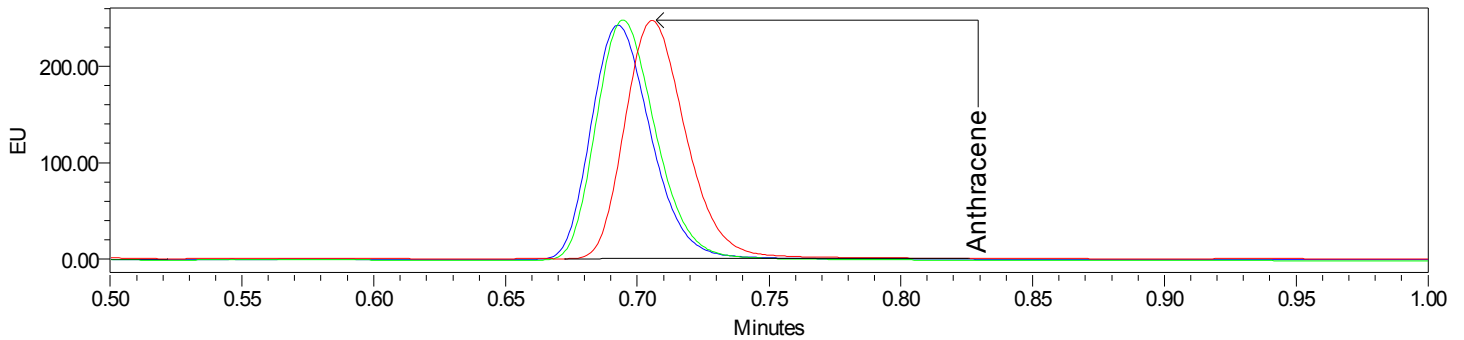
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Compositional Precision A1B1 Overlay Chromatograms



Compositional Precision A2B2 Overlay Chromatograms



Compositional Precision Retention Time Results

	Acq Method Set	Peak Name	Sample Name	Vial	Inj	RT (min)	RT (sec)	Result Id
1	Compositional Prec A1B1 MS	Anthracene	Pump A1B1	2:E,5	1	0.72	43.0	3616
2	Compositional Prec A1B1 MS	Anthracene	Pump A1B1	2:E,5	2	0.72	43.1	3617
3	Compositional Prec A1B1 MS	Anthracene	Pump A1B1	2:E,5	3	0.72	43.1	3618
4	Compositional Prec A2B2 MS	Anthracene	Pump A2B2	2:E,5	1	0.71	42.3	3619
5	Compositional Prec A2B2 MS	Anthracene	Pump A2B2	2:E,5	2	0.69	41.7	3620
6	Compositional Prec A2B2 MS	Anthracene	Pump A2B2	2:E,5	3	0.69	41.6	3621

Retention Time Summary Results

	Anthracene Retention Time Standard Deviation (sec)
1	0.7