

CARRYOVER REPORT

ACQUISITION INFORMATION

System Name: 2695_1	Acquired By: Tester
Processing Method: Carryover PM	Project Name: SQT_F18SM7165A
Result Set Id: 2966	Sample Kit 1 Lot Number: W04040902
Sample Set Id: 2961	Sample Kit 1 Exp. Date: 4/30/2015 12:00:00 AM
Sample Set Name: 040 Carryover SSM	Column Serial Number: 017139167157 42
Sample Set Start Date: 6/23/2018 12:32:08 PM SGT	

TEST DESCRIPTION

The Carryover test starts with two pre blank (mobile phase) injections to demonstrate that the system is free of unexplained or "ghost" peaks. This is followed by three injections of a 0.01% carryover standard (0.4 ug/mL caffeine). A challenge solution containing 4 mg/mL of caffeine is injected, followed by three blank injections. The caffeine peak in the three post blank injections is quantitated (if detected) against a 0.01% carryover standard.

The test passes if the % carryover is $\leq 0.01\%$ or the peak is missing.

Carryover Results

	SampleName	Carryover Specification	Peak Type	% Carryover	Carryover Pass/Fail
1	Post Blank 1	$\leq 0.01\%$	Found	0.000	PASS

Certification

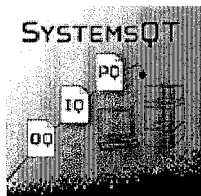
Comments _____

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

Performer _____ Date _____
Signature

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

Reviewer _____ Date _____
Signature



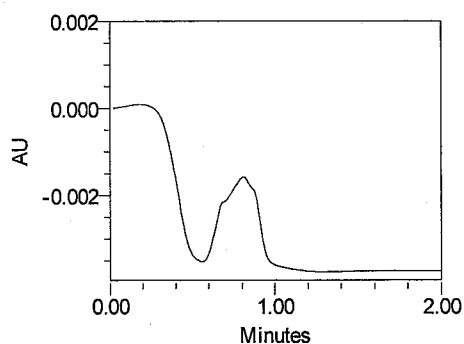
CARRYOVER REPORT

ACQUISITION INFORMATION

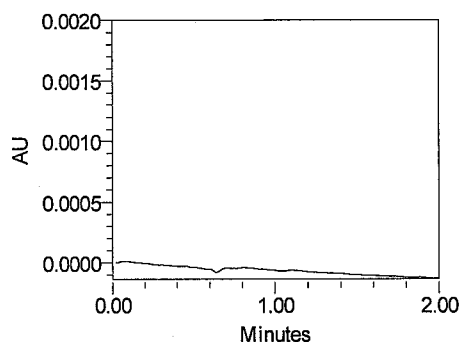
System Name: 2695_1
Project Name: SQT_F18SM7165A

Sample Set Id: 2961
Result Set Id: 2966

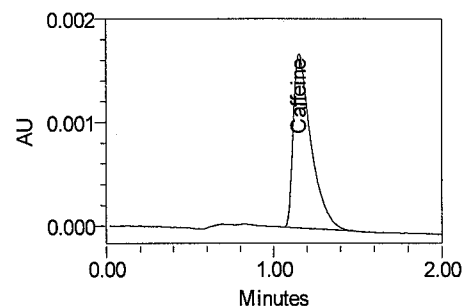
Carryover Chromatograms



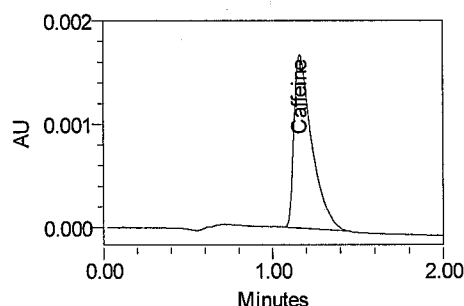
Sample PreBlank; Inj 1



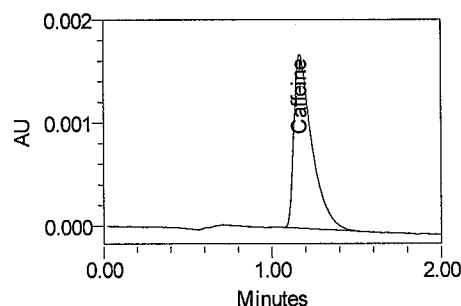
Sample PreBlank; Inj 2



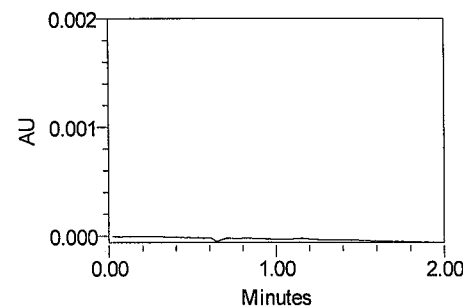
Sample Standard (0.01%);
Inj 1



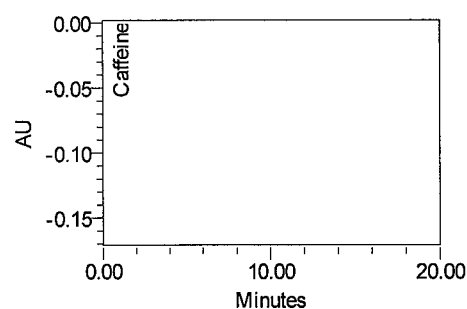
Sample Standard (0.01%);
Inj 2



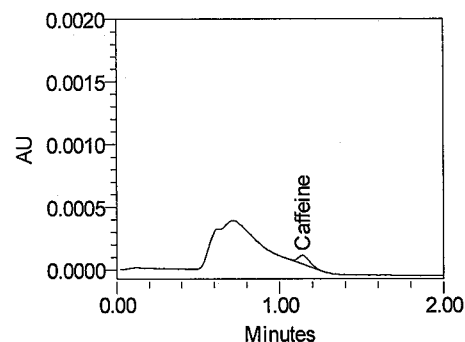
Sample Standard (0.01%);
Inj 3



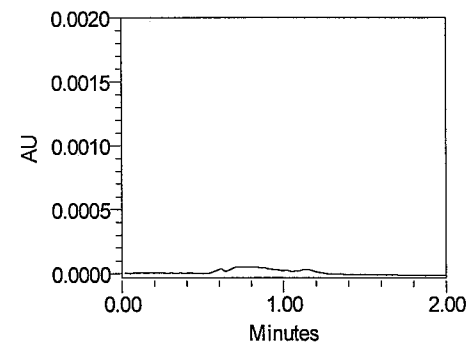
Sample (Pre)Post Blank; Inj
1



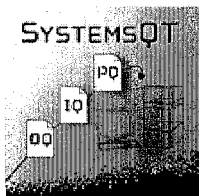
Sample Challenge (100%);
Inj 1



Sample Post Blank 1; Inj 1



Sample Post Blank 2; Inj 1

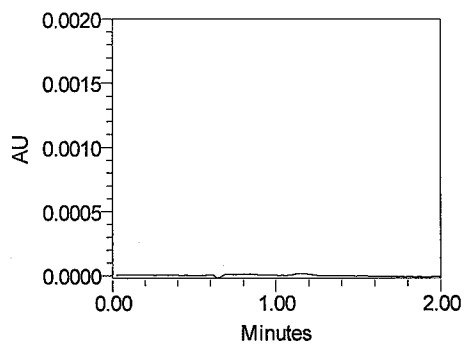


CARRYOVER REPORT

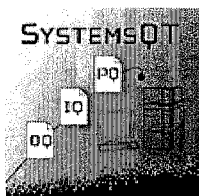
ACQUISITION INFORMATION

System Name: 2695_1
Project Name: SQT_F18SM7165A

Sample Set Id: 2961
Result Set Id: 2966



Sample Post Blank 3; Inj 1



CARRYOVER REPORT

ACQUISITION INFORMATION

System Name: 2695_1
Project Name: SQT_F18SM7165A

Sample Set Id: 2961
Result Set Id: 2966

Chromatographic Peak Results

	Sample Name	Sample Type	Vial	Name	RT	Area	Height (µV)	Amount	Peak Type	Result Id
1	PreBlank	Unknown	60	Caffeine	1.300				Missing	3008
2	PreBlank	Unknown	60	Caffeine	1.300				Missing	3009
3	Standard (0.01%)	Standard	61	Caffeine	1.154	12401	1680	0.010	Found	3003
4	Standard (0.01%)	Standard	61	Caffeine	1.164	12331	1678	0.010	Found	3004
5	Standard (0.01%)	Standard	61	Caffeine	1.167	12476	1686	0.010	Found	3005
6	(Pre)Post Blank	Unknown	63	Caffeine	1.300				Missing	3010
7	Challenge (100%)	Unknown	62	Caffeine	1.155	48185137	3407667	38.851	Found	3006
8	Post Blank 1	Unknown	63	Caffeine	1.143	345	72	0.000	Found	3014
9	Post Blank 2	Unknown	63	Caffeine	1.300				Missing	3015
10	Post Blank 3	Unknown	63	Caffeine	1.300				Missing	3016

Carryover Summary Results

	SampleName	Peak Type	% Carryover
1	Post Blank 1	Found	0.000

CARRYOVER REPORT

ACQUISITION INFORMATION

System Name: 2695_1
Processing Method: Carryover PM
Result Set Id: 3017
Sample Set Id: 3000
Sample Set Name: 040 Carryover SSM
Sample Set Start Date: 6/23/2018 1:19:31 PM SGT

Acquired By: Tester
Project Name: SQT_F18SM7165A
Sample Kit 1 Lot Number: W04040902
Sample Kit 1 Exp. Date: 4/30/2015 12:00:00 AM
Column Serial Number: 017139167157 42

TEST DESCRIPTION

The Carryover test starts with two pre blank (mobile phase) injections to demonstrate that the system is free of unexplained or "ghost" peaks. This is followed by three injections of a 0.01% carryover standard (0.4 ug/mL caffeine). A challenge solution containing 4 mg/mL of caffeine is injected, followed by three blank injections. The caffeine peak in the three post blank injections is quantitated (if detected) against a 0.01% carryover standard.

The test passes if the % carryover is $\leq$ 0.01% or the peak is missing.

Carryover Results

	SampleName	Carryover Specification	Peak Type	% Carryover	Carryover Pass/Fail
1	Post Blank 1	$\leq$ 0.01%	Found	0.000	PASS

Certification

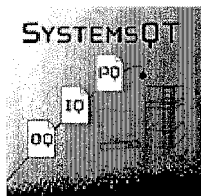
Comments _____

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

Performer _____ Date _____
Signature

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

Reviewer _____ Date _____
Signature



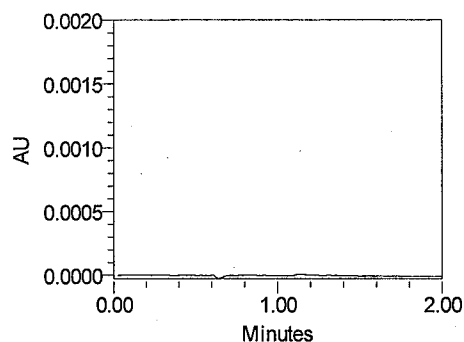
CARRYOVER REPORT

ACQUISITION INFORMATION

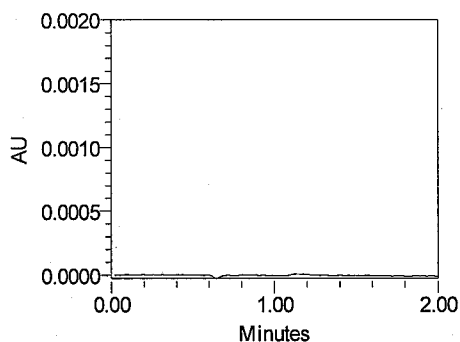
System Name: 2695_1
Project Name: SQT_F18SM7165A

Sample Set Id: 3000
Result Set Id: 3017

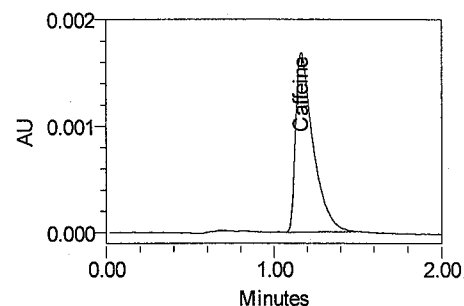
Carryover Chromatograms



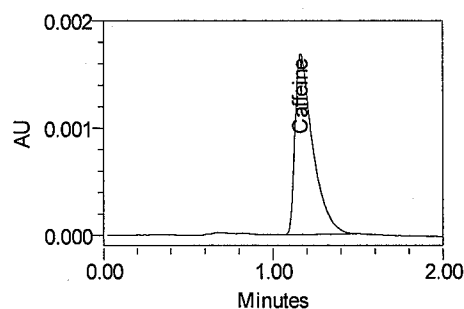
Sample PreBlank; Inj 1



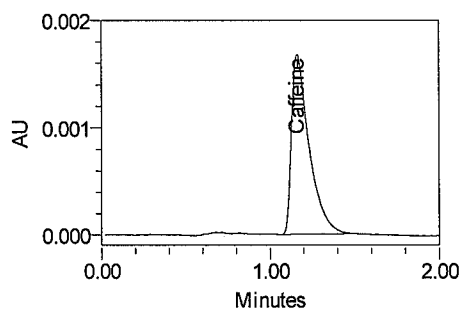
Sample PreBlank; Inj 2



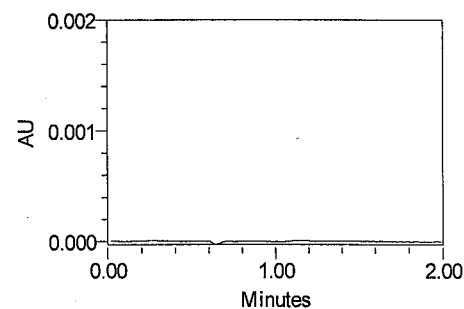
Sample Standard (0.01%);
Inj 1



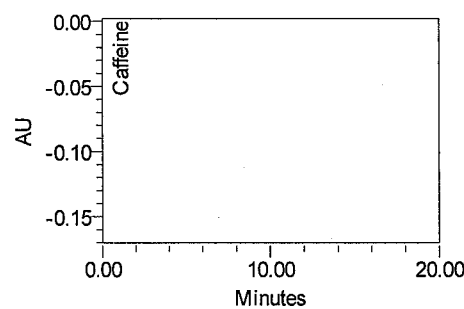
Sample Standard (0.01%);
Inj 2



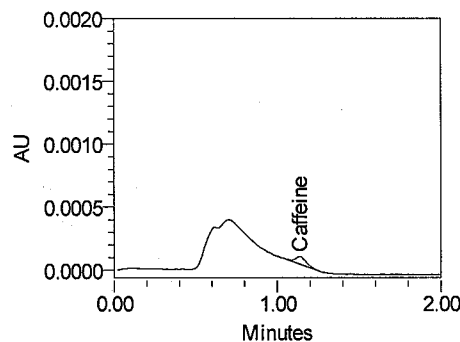
Sample Standard (0.01%);
Inj 3



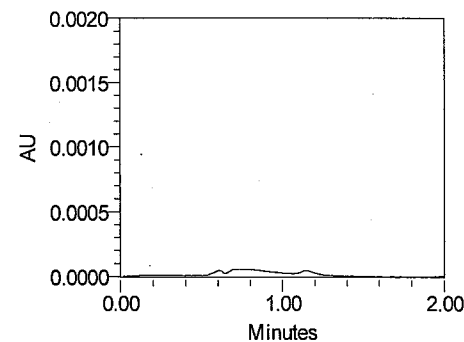
Sample (Pre)Post Blank; Inj
1



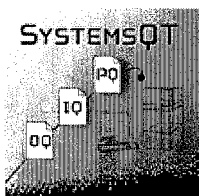
Sample Challenge (100%);
Inj 1



Sample Post Blank 1; Inj 1



Sample Post Blank 2; Inj 1

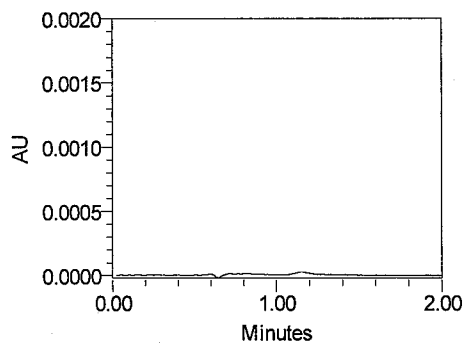


CARRYOVER REPORT

ACQUISITION INFORMATION

System Name: 2695_1
Project Name: SQT_F18SM7165A

Sample Set Id: 3000
Result Set Id: 3017



— Sample Post Blank 3; Inj 1

CARRYOVER REPORT

ACQUISITION INFORMATION

System Name: 2695_1
Project Name: SQT_F18SM7165A

Sample Set Id: 3000
Result Set Id: 3017

Chromatographic Peak Results

	Sample Name	Sample Type	Vial	Name	RT	Area	Height (μ V)	Amount	Peak Type	Result Id
1	PreBlank	Unknown	60	Caffeine	1.300				Missing	3057
2	PreBlank	Unknown	60	Caffeine	1.300				Missing	3058
3	Standard (0.01%)	Standard	61	Caffeine	1.164	12320	1689	0.010	Found	3053
4	Standard (0.01%)	Standard	61	Caffeine	1.165	12279	1685	0.010	Found	3054
5	Standard (0.01%)	Standard	61	Caffeine	1.162	12293	1683	0.010	Found	3055
6	(Pre)Post Blank	Unknown	63	Caffeine	1.300				Missing	3059
7	Challenge (100%)	Unknown	62	Caffeine	1.157	47975070	3403035	39.013	Found	3056
8	Post Blank 1	Unknown	63	Caffeine	1.142	278	62	0.000	Found	3060
9	Post Blank 2	Unknown	63	Caffeine	1.300				Missing	3061
10	Post Blank 3	Unknown	63	Caffeine	1.300				Missing	3062

Carryover Summary Results

	SampleName	Peak Type	% Carryover
1	Post Blank 1	Found	0.000

Part Number: 186269505

Tested By: DAVID KEE

Serial Number: F18SM7165A

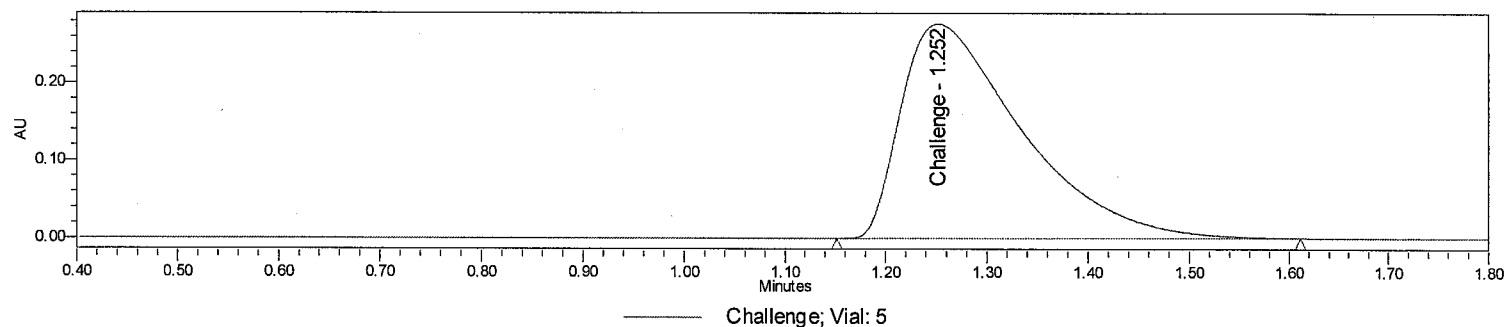
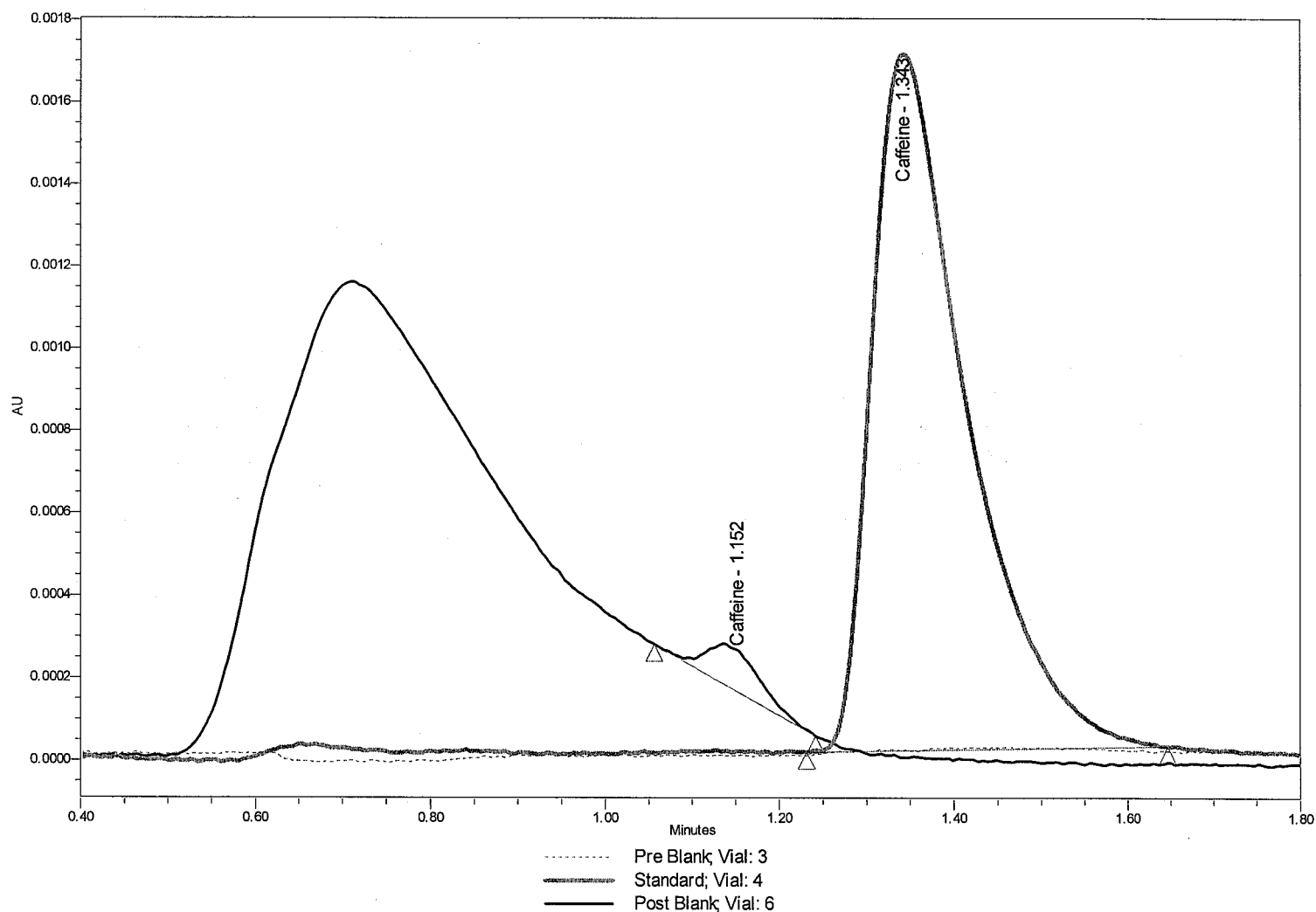
UUT Firmware: 3.04

Description: 2695 Separations Module

Test Template Revision: 1.8

Test Station: Final-test-6

System: 2695_1



Carryover Test:

PreBlank injection (to establish system cleanliness)

Standard (0.4 PPM) Caffeine injection

Challenge injection (10,000 X Standard = 4,000 PPM)

PostBlank injection

Carryover (%) = Carryover Area/Standard Area * 0.010

Specification: Post Blank Percent < 0.002

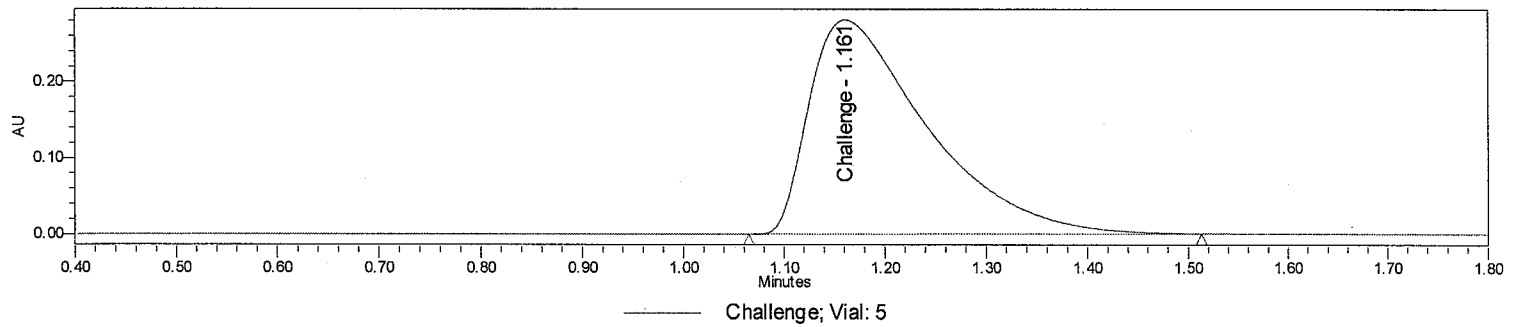
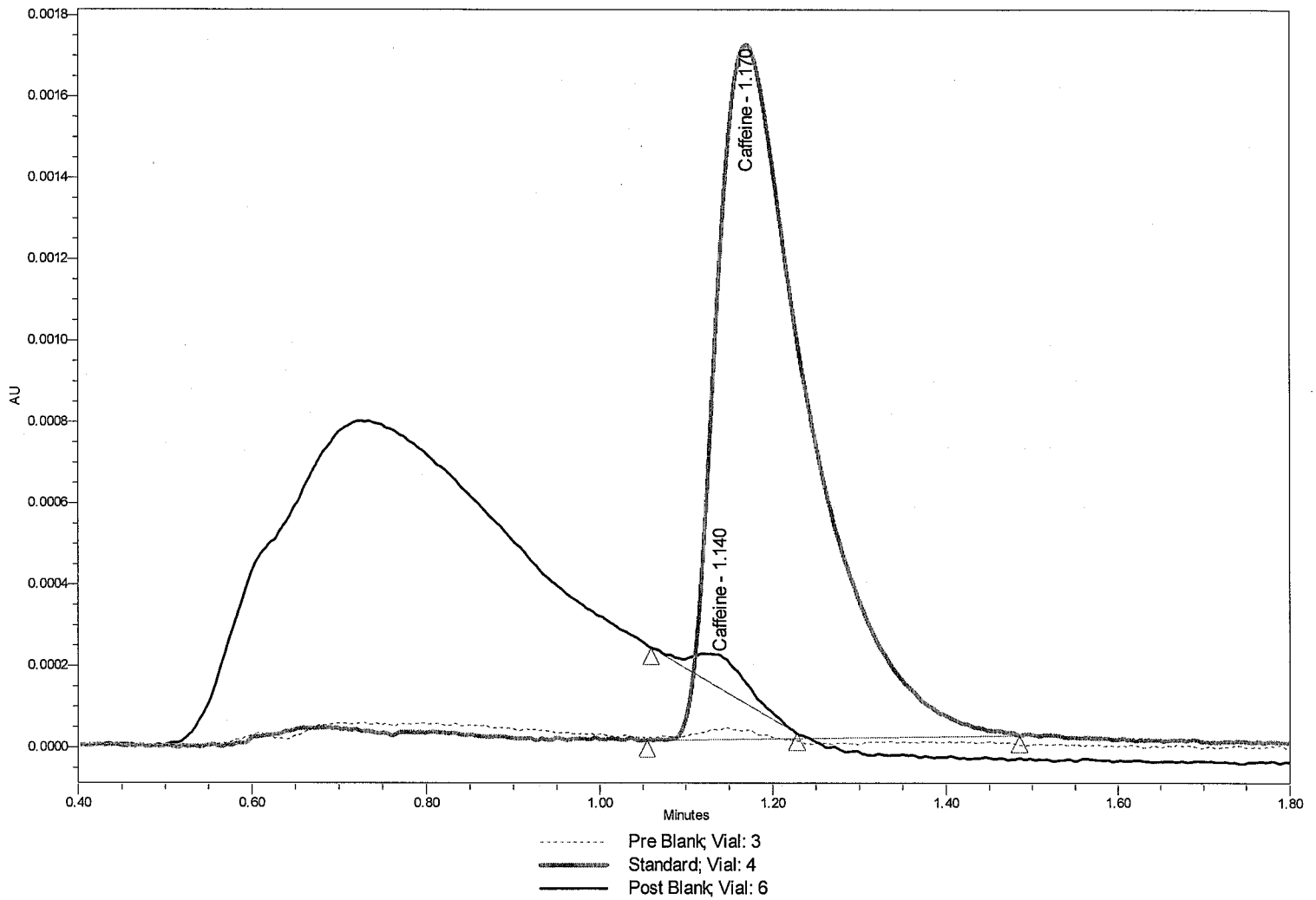
(or Blank peak(s) missing/blank)

	Date Acquired	SampleName	Area	Percent
1	6/23/2018 3:34:36 PM SGT	Pre Blank		
2	6/23/2018 3:37:19 PM SGT	Standard	12791	0.0100
3	6/23/2018 3:40:02 PM SGT	Challenge	2285321	
4	6/23/2018 3:55:57 PM SGT	Post Blank	436	0.0003

This Test Record and any data contained within it are proprietary to Waters Corporation and must be retained by Waters for the time period prescribed in its Quality Records Retention Policy. If any of the individual tests fail, a note must be referenced that details the work performed to correct that specific deficiency. An overall failure indicates a special circumstance in which case a complete retest is to be done. A second form is required to document that testing; the initial form must be attached and retained.

Part Number: 186269505
 Tested By: DAVID KEE
 Serial Number: F18SM7165A
 UUT Firmware: 3.04

Description: 2695 Separations Module
 Test Template Revision: 1.8
 Test Station: Final-test-6
 System: 2695_1



	Date Acquired	SampleName	Area	Percent
1	6/23/2018 4:03:07 PM SGT	Pre Blank		
2	6/23/2018 4:05:48 PM SGT	Standard	12612	0.0100
3	6/23/2018 4:08:30 PM SGT	Challenge	2274470	
4	6/23/2018 4:24:25 PM SGT	Post Blank	348	0.0003

Carryover Test:
 PreBlank injection (to establish system cleanliness)
 Standard (0.4 PPM) Caffeine injection
 Challenge injection (10,000 X Standard = 4,000 PPM)
 PostBlank injection
 Carryover (%) = Carryover Area/Standard Area * 0.010

Specification: Post Blank Percent < 0.002
 (or Blank peak(s) missing/blank)

This Test Record and any data contained within it are proprietary to Waters Corporation and must be retained by Waters for the time period prescribed in its Quality Records Retention Policy. If any of the individual tests fail, a note must be referenced that details the work performed to correct that specific deficiency. An overall failure indicates a special circumstance in which case a complete retest is to be done. A second form is required to document that testing; the initial form must be attached and retained.