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A A

Instrument/User Details

Instrument:	TOC Fusion
User:	QPackSA
Date:	2023/10/31 09:03

A A

Benchmark Tests

Display Colors	**Status**	**Result**
Yellow	Completed	Pass
Blue	Completed	Pass
Green	Completed	Pass
Cyan	Completed	Pass
Red	Completed	Pass
Violet	Completed	Pass
White	Completed	Pass
Clear(off)	Completed	Pass
Beeper	**Status**	**Result**
beeper(on)	Completed	Pass
Motors	**Status**	**Result**
Home Motors	Completed	Pass
Needle Down	Completed	Pass
Needle Up	Completed	Pass
Arm Position A	Completed	Pass
Arm Position 30	Completed	Pass
Carrousel Move Position 5	Completed	Pass
Carrousel Move Position 12	Completed	Pass
Carrousel Move Position 8	Completed	Pass
Solenoid Valves	**Status**	**Result**
Valve no. A	Completed	Pass
Valve no. B	Completed	Pass
Valve no. C	Completed	Pass
Valve no. D	Completed	Pass
Valve no. E	Completed	Pass
Valve no. F	Completed	Pass
Valve no. G	Completed	Pass
Valve no. H	Completed	Pass
Detector	**Status**	**Result**
Detector Readings	Completed	Pass
Door Sensor	**Status**	**Result**
Door(Open/Close)	Completed	Pass
Mass Flow	**Status**	**Result**
Pressure Reading	Completed	Pass
Flow Reading	Completed	Pass
Pumper	**Status**	**Result**
Pumper Valve Pos A	Completed	Pass
Pumper Valve Pos B	Completed	Pass
Pumper Valve Pos C	Completed	Pass
Pumper Valve Pos D	Completed	Pass
Pumper Valve Pos F	Completed	Pass
Pumper Valve Pos G	Completed	Pass
Pumper Valve Pos H	Completed	Pass
Syringe Midrange(12ml)	Completed	Pass
Syringe Max(25ml)	Completed	Pass
Syringe Min(0ml)	Completed	Pass
LeakCheck	**Status**	**Result**
UV LeakCheck	Completed	Pass
IC LeakCheck	Completed	Pass

Blanks

Version: 2
Instrument: TOC Fusion
Last Saved by: QPackSA (QPackSA)
Last Saved on: 2023/10/31 10:50 - terça-feira

Acid Count: 3,99
Reagent Count: 4,878
DI IC Count: 0
DI OC Count: 0
DI TC Count: 0
Comment:

Fusion Report - Blank - 31.10.2023 terça-feira, 31 de outubro de 2023 10:17

(View - Reps, Unused Reps, Meta-Data, Signature, History)
Printed on 2023/10/31 10:59 - terça-feira

Report Summary Information

Company Location:

Schedule Name:	Blank - 31.10.2023	Engine Version:	1.1.5.2
Instrument Name:	TOC Fusion	Firmware Version:	1.2.0696
Report Version:	1 of 1	Connection:	TCP/IP: 192.168.2.102
Report Creation by Operators (schedule version):	QPackSA (QPackSA) (v1)		
Comment:			

Report Results

Sample Type: Blank (Creating v2) From Schedule Version 1

	Pos	Analysis Type	Sample ID	Start Time
◈	(blank)		Reagent/Acid Blank	2023/10/31 10:17

Rep #	Base Analysis Type	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	IC Clean	8.68	28.86	20.18	49.33	05:04
2	TC Clean	13.63	33.68	20.06	50.14	03:56
3	TC Clean	5.29	25.37	20.08	50.06	03:44
4	TC Clean	3.24	23.46	20.23	50.50	03:47
5	Reagent Blank	14.63	34.88	20.24	50.26	04:56
6	Acid Blank	3.99	24.20	20.21	49.04	05:18

Meta Data Used in this Report

Blanks

Version	Reagent (Abs)	Acid (Abs)	DI IC (Abs)	DI TC (Abs)	DI TOC (Abs)	Save Time	Operator
v1	0.0000	0.0000	0.0000	0.0000	0.0000	2023/10/26 12:00	Wendell Gambeta (Service)
v2	4.8780	3.9900	0.0000	0.0000	0.0000	2023/10/31 10:50	QPackSA (QPackSA)

Calibrations

Methods

Acceptance / Approval

Electronic Signatures

Report Version	User Name	Acceptance	Reason	Date

Report History

Report History

Report Version	User Name	System Reason	User Reason	Date
1	QPackSA (QPackSA)	Schedule completed	Schedule completed	2023/10/31 10:50

Fusion Report - Água Reagente - 31.10.2023 terça-feira, 31 de outubro de 2023 12:13

(View - Reps, Unused Reps, Meta-Data, Signature, History)
Printed on 2023/10/31 12:59 - terça-feira

Report Summary Information

Company Location:			
Schedule Name:	Água Reagente - 31.10.2023	Engine Version:	1.1.5.2
Instrument Name:	TOC Fusion	Firmware Version:	1.2.0696
Report Version:	1 of 1	Connection:	TCP/IP: 192.168.2.102
Report Creation by Operators (schedule version):	QPackSA (QPackSA) (v1)		
Comment:			

Report Results

Sample Type: Sample — From Schedule Version 1

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	1	TOC	Água Reagente	0.0362 ppm	0.0000 ppm	0.0000%	2023/10/31 12:13

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	0.0362	0.3255	6.03	26.33	20.30	49.61	06:28

Dilution	Blank Contribution	Method	Calibration
1:1	(TC) 3.9024 (IC) (v2)	Método - 2023 (v1)	TOC Pharmaceutical Water (v2)

Meta Data Used in this Report

Blanks

Version	Reagent (Abs)	Acid (Abs)	DI IC (Abs)	DI TC (Abs)	DI TOC (Abs)	Save Time	Operator
v2	4.8780	3.9900	0.0000	0.0000	0.0000	2023/10/31 10:50	QPackSA (QPackSA)

Calibrations

Name: TOC Pharmaceutical Water (TOC)

Version:	v2	Calibration curve formula:	TOC: y = 58.798x + 1.545

Ver Creation: 2007/05/17 03:29
r^2 value: TOC: r^2 = 0.99998
Comment:
Operator: steve
Basic Analysis Type: TOC

Basic Analysis Type: TOC

Sample ID	Y Raw Value	X Expected	Message	End Time
0.050 ppm	4.4120	0.0500		2007/05/16 22:12
0.100 ppm	7.0520	0.1000		2007/05/16 22:26
0.250 ppm	16.2020	0.2500		2007/05/16 22:40
0.500 ppm	30.6920	0.5000		2007/05/16 22:54
1.000 ppm	61.2220	1.0000		2007/05/16 23:08
5.000 ppm	295.3920	5.0000		2007/05/16 23:22

Methods

Name: Método - 2023 (TOC)

Version: v1
Operator: QPackSA (QPackSA)
Ver Creation: 2023/10/31 09:26
Comment: This method is designed to use the Non-Purgeable Organic Carbon (NPOC) method for TOC analysis on pharmaceutical type samples, such as water for injection (WFI), purified water and cleaning validation samples. The Low Level Filter for the NDIR setting may be set to On for this method for higher carbon levels.

Parameter	Value
SampleVolume	9.0 mL
Dilution	1:1
AcidVolume	0.5 ml
ReagentVolume	0.8 ml
UVReactorPrerinse	Off
UVReactorPrerinseVolume	0.0
NumberOfUVReactorPrerinses	1
ICSpargeTime	0.50 mins
DetectorSweepFlow	500 ml/min
PreSpargeTime	0.20 mins
SystemFlow	500 ml/min

Advanced Parameter	Value
NeedleRinseVolume	5.0 ml
VialPrimeVolume	2.0 ml
ICSamplePrimeVolume	2.0 ml
ICSpargeRinseVolume	5.0 ml
BaselineStabilizeTime	1.60 min
DetectorPressureFlow	300 ml/min
SyringeSpeedWaste	10
SyringeSpeedAcid	7
SyringeSpeedReagent	7
SyringeSpeedDIWater	7
NDIRPressurization	50 psig
SyringeSpeedSampleDispense	7
SyringeSpeedSampleAspirate	4
SyringeSpeedUVDispense	7
SyringeSpeedUVAspirate	5
SyringeSpeedICDispense	7
SyringeSpeedICAspirate	5
NDIRPressureStabilize	1.75 min
SampleMixing	Off
SampleMixingCycles	1
SampleMixingVolume	10.0
LowLevelFilterNDIR	Off

Acceptance / Approval

Electronic Signatures

Report Version	User Name	Acceptance	Reason	Date

Report History

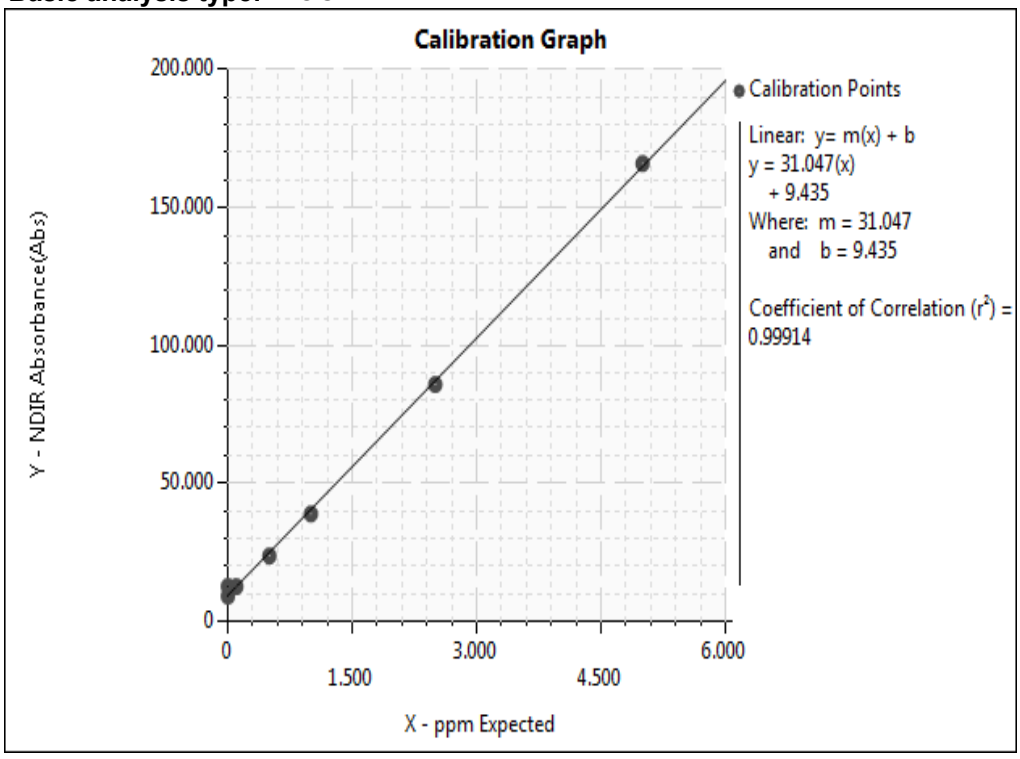
Report History

Report Version	User Name	System Reason	User Reason	Date
1	QPackSA (QPackSA)	Schedule completed	Schedule completed	2023/10/31 12:23

Name: Calibração 2023

Analysis Type: TOC
Version: 1
Instrument: TOC Fusion
Last Saved by: QPackSA (QPackSA)
Last Saved on: 2023/10/31 14:36 - terça-feira

Basic analysis type: TOC



Data Points

Sample ID	Y Raw Value	X Expected	Message	End Time
0 ppm	12.6470	0.0000		2023/10/31 13:32
0 ppm	9.1450	0.0000		2023/10/31 13:41
0.100 ppm	12.6140	0.1000		2023/10/31 13:50
0.500 ppm	23.7260	0.5000		2023/10/31 14:00
1.000 ppm	38.9310	1.0000		2023/10/31 14:09
2.500 ppm	85.7600	2.5000		2023/10/31 14:18
5.000 ppm	165.7490	5.0000		2023/10/31 14:27

Fusion Report - Calibração - 31.10.2023 terça-feira, 31 de outubro de 2023 01:25

(View - Reps, Unused Reps, Meta-Data, Signature, History)
Printed on 2023/10/31 14:34 - terça-feira

Report Summary Information

Company Location:

Schedule Name:	Calibração - 31.10.2023	Engine Version:	1.1.5.2
Instrument Name:	TOC Fusion	Firmware Version:	1.2.0696
Report Version:	1 of 1	Connection:	TCP/IP: 192.168.2.102
Report Creation by Operators (schedule version):	QPackSA (QPackSA) (v1)		
Comment:			

Report Results

Sample Type: Calibration Standard: Calibração 2023 (Creating calibration TOC Pharmaceutical Water v3) From Schedule Version 1

	Pos	BAT	Concentration (ppm)	STD Conc	Dil	Sample ID	Result (Abs)	Std. Dev. (Abs)	RSD	Start Time
◈	1	TOC	DI Water [0]	5 ppmC	DI	[TOC] Calibração 2023 [0 ppm]	12.6470	0.0000	0%	2023/10/31 13:25
◈	1	TOC	DI Water [0]	5 ppmC	DI	[TOC] Calibração 2023 [0 ppm]	9.1450	0.0000	0%	2023/10/31 13:33
◈	1	TOC	0.1000	5 ppmC	1:50	[TOC] Calibração 2023 [0.100 ppm]	12.6140	0.0000	0%	2023/10/31 13:42
◈	1	TOC	0.5000	5 ppmC	1:10	[TOC] Calibração 2023 [0.500 ppm]	23.7260	0.0000	0%	2023/10/31 13:52
◈	1	TOC	1.0000	5 ppmC	1:5	[TOC] Calibração 2023 [1.000 ppm]	38.9310	0.0000	0%	2023/10/31 14:01
◈	1	TOC	2.5000	5 ppmC	1:2	[TOC] Calibração 2023 [2.500 ppm]	85.7600	0.0000	0%	2023/10/31 14:10
◈	1	TOC	5.0000	5 ppmC	1:1	[TOC] Calibração 2023 [5.000 ppm]	165.7490	0.0000	0%	2023/10/31 14:20

Pos	Base Analysis Type	ID	Rep #	Adjusted	NDIR	Baseline	Pressure	Run Time
1	TOC	0 ppm	1	12.65	33.10	20.45	49.45	06:21
1	TOC	0 ppm	1	9.14	29.69	20.55	50.23	06:23
1	TOC	0.100 ppm	1	12.61	33.09	20.48	50.60	06:18
1	TOC	0.500 ppm	1	23.73	44.04	20.32	50.64	06:23
1	TOC	1.000 ppm	1	38.93	59.48	20.55	49.95	06:16
1	TOC	2.500 ppm	1	85.76	106.54	20.78	50.45	06:21

1	TOC	5.000 ppm	1	165.75	186.25	20.50	50.42	06:23

Completion State
Success - All Update Conditions met

Method
Método - 2023 (v1)

Success Action
Auto (always)

Meta Data Used in this Report

Blanks

Version	Reagent (Abs)	Acid (Abs)	DI IC (Abs)	DI TC (Abs)	DI TOC (Abs)	Save Time	Operator
v2	4.8780	3.9900	0.0000	0.0000	0.0000	2023/10/31 10:50	QPackSA (QPackSA)

Calibrations

Name: TOC Pharmaceutical Water (TOC)

Version: v2
Ver Creation: 2007/05/17 03:29
Comment:
Operator: steve
Basic Analysis Type: TOC

Calibration curve formula: TOC: y = 58.798x + 1.545
r^2 value: TOC: r^2 = 0.99998

Basic Analysis Type: TOC

Sample ID	Y Raw Value	X Expected	Message	End Time
0.050 ppm	4.4120	0.0500		2007/05/16 22:12
0.100 ppm	7.0520	0.1000		2007/05/16 22:26
0.250 ppm	16.2020	0.2500		2007/05/16 22:40
0.500 ppm	30.6920	0.5000		2007/05/16 22:54
1.000 ppm	61.2220	1.0000		2007/05/16 23:08
5.000 ppm	295.3920	5.0000		2007/05/16 23:22

Name: TOC Pharmaceutical Water (TOC)

Version: v3
Ver Creation: 2023/10/31 14:28
Comment:
Operator: QPackSA (QPackSA)
Basic Analysis Type: TOC

Calibration curve formula: TOC: y = 31.047x + 9.435
r^2 value: TOC: r^2 = 0.99914

Basic Analysis Type: TOC

Sample ID	Y Raw Value	X Expected	Message	End Time
0 ppm	12.6470	0.0000		2023/10/31 13:32

0 ppm	9.1450	0.0000		2023/10/31 13:41
0.100 ppm	12.6140	0.1000		2023/10/31 13:50
0.500 ppm	23.7260	0.5000		2023/10/31 14:00
1.000 ppm	38.9310	1.0000		2023/10/31 14:09
2.500 ppm	85.7600	2.5000		2023/10/31 14:18
5.000 ppm	165.7490	5.0000		2023/10/31 14:27

Methods

Name: Método - 2023 (TOC)

Version: v1
Operator: QPackSA (QPackSA)
Ver Creation: 2023/10/31 09:26
Comment: This method is designed to use the Non-Purgeable Organic Carbon (NPOC) method for TOC analysis on pharmaceutical type samples, such as water for injection (WFI), purified water and cleaning validation samples. The Low Level Filter for the NDIR setting may be set to On for this method for higher carbon levels.

Parameter	Value
SampleVolume	9.0 mL
Dilution	1:1
AcidVolume	0.5 ml
ReagentVolume	0.8 ml
UVReactorPrerinse	Off
UVReactorPrerinseVolume	0.0
NumberOfUVReactorPrerinses	1
ICSpargeTime	0.50 mins
DetectorSweepFlow	500 ml/min
PreSpargeTime	0.20 mins
SystemFlow	500 ml/min

Advanced Parameter	Value
NeedleRinseVolume	5.0 ml
VialPrimeVolume	2.0 ml
ICSamplePrimeVolume	2.0 ml
ICSpargeRinseVolume	5.0 ml
BaselineStabilizeTime	1.60 min
DetectorPressureFlow	300 ml/min
SyringeSpeedWaste	10
SyringeSpeedAcid	7
SyringeSpeedReagent	7
SyringeSpeedDIWater	7
NDIRPressurization	50 psig
SyringeSpeedSampleDispense	7
SyringeSpeedSampleAspirate	4
SyringeSpeedUVDispense	7
SyringeSpeedUVAspirate	5
SyringeSpeedICDispense	7
SyringeSpeedICAspirate	5
NDIRPressureStabilize	1.75 min
SampleMixing	Off
SampleMixingCycles	1
SampleMixingVolume	10.0
LowLevelFilterNDIR	Off

Acceptance / Approval

Electronic Signatures

Report Version	User Name	Acceptance	Reason	Date

Report History

Report History

Report Version	User Name	System Reason	User Reason	Date
1	QPackSA (QPackSA)	Schedule completed	Schedule completed	2023/10/31 14:29

Fusion Report - Check - 31.10.2023 quarta-feira, 1 de novembro de 2023 07:42

(View - Reps, Unused Reps, Meta-Data, Signature, History)
Printed on 2023/11/01 08:02 - quarta-feira

Report Summary Information

Company Location:

Schedule Name: Check - 31.10.2023

Instrument Name: TOC Fusion

Report Version: 1 of 1

Report Creation by Operators (schedule version): QPackSA (QPackSA) (v3)

Comment:

Engine Version: 1.1.5.2

Firmware Version: 1.2.0696

Connection: TCP/IP: 192.168.2.102

Report Results

Sample Type: Check Standard --> Check Standard From Schedule Version 3

	Pos	BAT	Concentration (ppm)	Dil	Sample ID	Min / Max (% dev)	Result	Std. Dev.	RSD	Start Time
◈	1	TOC	0.6670	1:15	[TOC] Check Standard [0.667 ppm]	0.5667 / 0.7667 (85% / 115%)	**0.6253 ppm (PASS)**	0.0000 ppm	0%	2023/11/01 07:42
◈	1	TOC	2.0000	1:5	[TOC] Check Standard [2.000 ppm]	1.7000 / 2.3000 (85% / 115%)	**1.7703 ppm (PASS)**	0.0000 ppm	0%	2023/11/01 07:52

Pos	Base Analysis Type	ID	Rep #	ppm	µg	Adjusted	NDIR	Baseline	Pressure	Run Time
1	TOC	0.667 ppm	1	0.6253	5.6276	28.85	48.29	19.44	49.68	06:21
1	TOC	2.000 ppm	1	1.7703	15.9323	64.40	83.97	19.58	49.78	06:18

Completion State	Success Action	Method	Calibration	STD Conc - Pos 1
Success - Criteria met.	Do Nothing	Método - 2023 (v2)	Calibração 2023 (v1)	10 ppmC

Meta Data Used in this Report

Blanks

Version	Reagent (Abs)	Acid (Abs)	DI IC (Abs)	DI TC (Abs)	DI TOC (Abs)	Save Time	Operator
v2	4.8780	3.9900	0.0000	0.0000	0.0000	2023/10/31 10:50	QPackSA (QPackSA)

Calibrations

Name: Calibração 2023 (TOC)

Version:	v1	Calibration curve formula:	TOC: y = 31.047x + 9.435
Ver Creation:	2023/10/31 14:36	r^2 value:	TOC: r^2 = 0.99914
Comment:			
Operator:	QPackSA (QPackSA)		
Basic Analysis Type	TOC		

Basic Analysis Type: TOC

Sample ID	Y Raw Value	X Expected	Message	End Time
0 ppm	12.6470	0.0000		2023/10/31 13:32
0 ppm	9.1450	0.0000		2023/10/31 13:41
0.100 ppm	12.6140	0.1000		2023/10/31 13:50
0.500 ppm	23.7260	0.5000		2023/10/31 14:00
1.000 ppm	38.9310	1.0000		2023/10/31 14:09
2.500 ppm	85.7600	2.5000		2023/10/31 14:18
5.000 ppm	165.7490	5.0000		2023/10/31 14:27

Methods

Name: Método - 2023 (TOC)

Version:	v2	Operator:	QPackSA (QPackSA)
Ver Creation:	2023/10/31 14:41		
Comment:	This method is designed to use the Non-Purgeable Organic Carbon (NPOC) method for TOC analysis on pharmaceutical type samples, such as water for injection (WFI), purified water and cleaning validation samples. The Low Level Filter for the NDIR setting may be set to On for this method for higher carbon levels.		

Parameter	Value
SampleVolume	9.0 mL
Dilution	1:1
AcidVolume	0.5 ml
ReagentVolume	0.8 ml
UVReactorPrerinse	Off
UVReactorPrerinseVolume	0.0
NumberOfUVReactorPrerinses	1
ICSpargeTime	0.50 mins
DetectorSweepFlow	500 ml/min
PreSpargeTime	0.20 mins
SystemFlow	500 ml/min

Advanced Parameter	Value
NeedleRinseVolume	5.0 ml
VialPrimeVolume	2.0 ml
ICSamplePrimeVolume	2.0 ml
ICSpargeRinseVolume	5.0 ml
BaselineStabilizeTime	1.60 min
DetectorPressureFlow	300 ml/min
SyringeSpeedWaste	10
SyringeSpeedAcid	7
SyringeSpeedReagent	7
SyringeSpeedDIWater	7
NDIRPressurization	50 psig
SyringeSpeedSampleDispense	7
SyringeSpeedSampleAspirate	4
SyringeSpeedUVDispense	7
SyringeSpeedUVAspirate	5
SyringeSpeedICDispense	7

SyringeSpeedICAspirate	5
NDIRPressureStabilize	1.75 min
SampleMixing	Off
SampleMixingCycles	1
SampleMixingVolume	10.0
LowLevelFilterNDIR	Off

Acceptance / Approval

Electronic Signatures

Report Version	User Name	Acceptance	Reason	Date

Report History

Report History

Report Version	User Name	System Reason	User Reason	Date
1	QPackSA (QPackSA)	Schedule completed	Schedule completed	2023/11/01 08:01

Fusion Report - System - 01.11.2023 quarta-feira, 1 de novembro de 2023 11:32

(View - Reps, Unused Reps, Meta-Data, Signature, History)
Printed on 2023/11/01 12:01 - quarta-feira

Report Summary Information

Company Location:

Schedule Name:	System - 01.11.2023	Engine Version:	1.1.5.2
Instrument Name:	TOC Fusion	Firmware Version:	1.2.0696
Report Version:	1 of 1	Connection:	TCP/IP: 192.168.2.102
Report Creation by Operators (schedule version):	QPackSA (QPackSA) (v1)		
Comment:			

Report Results

Sample Type: System Suitability — From Schedule Version 1

	Pos	System Suitability Sample Type	Sample ID	Result	Std. Dev.	RSD	Start Time
◈	1	Reagent Water	[ReagentWater] System Suitability [Reagent Water]	**0.0668 ppm (PASS)**	0.0000 ppm	0%	2023/11/01 11:32
◈	2	Standard Solution	[StandardSolution] System Suitability [Sucrose (500 ppb)]	0.5074 ppm	0.0000 ppm	0%	2023/11/01 11:42
◈	3	Suitability Solution	[SuitabilitySolution] System Suitability [1,4-Benzoquinone (500 ppb)]	0.5331 ppm	0.0000 ppm	0%	2023/11/01 11:51

Response Efficiency: NaN% — Limit Response (Ru): NaN ppb

(Acceptance Criteria 85% to 115%)

Pos	Rep #	ppm	µg	Adjusted	NDIR	Baseline	Pressure	Run Time
1	1	0.0668	0.6014	5.98	26.52	20.54	49.75	06:24
2	1	0.5074	4.5664	19.65	40.08	20.42	49.88	06:21
3	1	0.5331	4.7983	20.46	40.69	20.24	50.07	06:22

Completion State	Dilution	Blank Contribution	Method	Calibration
Success - All Update Conditions met	1:1	3.9024 (v2)	Método - 2023 (v2)	Calibração 2023 (v1)

Meta Data Used in this Report

Blanks

Version	Reagent (Abs)	Acid (Abs)	DI IC (Abs)	DI TC (Abs)	DI TOC (Abs)	Save Time	Operator
v2	4.8780	3.9900	0.0000	0.0000	0.0000	2023/10/31 10:50	QPackSA (QPackSA)

Calibrations

Name: Calibração 2023 (TOC)

Version:	v1	Calibration curve formula:	TOC: y = 31.047x + 9.435
Ver Creation:	2023/10/31 14:36	r^2 value:	TOC: r^2 = 0.99914
Comment:			
Operator:	QPackSA (QPackSA)		
Basic Analysis Type	TOC		

Basic Analysis Type: TOC

Sample ID	Y Raw Value	X Expected	Message	End Time
0 ppm	12.6470	0.0000		2023/10/31 13:32
0 ppm	9.1450	0.0000		2023/10/31 13:41
0.100 ppm	12.6140	0.1000		2023/10/31 13:50
0.500 ppm	23.7260	0.5000		2023/10/31 14:00
1.000 ppm	38.9310	1.0000		2023/10/31 14:09
2.500 ppm	85.7600	2.5000		2023/10/31 14:18
5.000 ppm	165.7490	5.0000		2023/10/31 14:27

Methods

Name: Método - 2023 (TOC)

Version:	v2	Operator:	QPackSA (QPackSA)
Ver Creation:	2023/10/31 14:41		
Comment:	This method is designed to use the Non-Purgeable Organic Carbon (NPOC) method for TOC analysis on pharmaceutical type samples, such as water for injection (WFI), purified water and cleaning validation samples. The Low Level Filter for the NDIR setting may be set to On for this method for higher carbon levels.		

Parameter	Value	Advanced Parameter	Value
SampleVolume	9.0 mL	NeedleRinseVolume	5.0 ml
Dilution	1:1	VialPrimeVolume	2.0 ml
AcidVolume	0.5 ml	ICSamplePrimeVolume	2.0 ml
ReagentVolume	0.8 ml	ICSpargeRinseVolume	5.0 ml
UVReactorPrerinse	Off	BaselineStabilizeTime	1.60 min
UVReactorPrerinseVolume	0.0	DetectorPressureFlow	300 ml/min
NumberOfUVReactorPrerinses	1	SyringeSpeedWaste	10
ICSpargeTime	0.50 mins	SyringeSpeedAcid	7
DetectorSweepFlow	500 ml/min	SyringeSpeedReagent	7
PreSpargeTime	0.20 mins	SyringeSpeedDIWater	7

SystemFlow	500 ml/min	NDIRPressurization	50 psig
		SyringeSpeedSampleDispense	7
		SyringeSpeedSampleAspirate	4
		SyringeSpeedUVDispense	7
		SyringeSpeedUVAspirate	5
		SyringeSpeedICDispense	7
		SyringeSpeedICAspirate	5
		NDIRPressureStabilize	1.75 min
		SampleMixing	Off
		SampleMixingCycles	1
		SampleMixingVolume	10.0
		LowLevelFilterNDIR	Off

Acceptance / Approval

Electronic Signatures

Report Version	User Name	Acceptance	Reason	Date

Report History

Report History

Report Version	User Name	System Reason	User Reason	Date
1	QPackSA (QPackSA)	Schedule completed	Schedule completed	2023/11/01 12:01