



License ID 1955606
Client ID 001-NBK-02363
User Metrohm

Program version viva 3.0 - 69
2024-06-26 13:58:07 UTC+2

Method parameters

Method AB445 – Maintenance - Prepare dosing units
Method saving date 2024-06-26 13:57:18 UTC+2
Method version 1
Method group Main group
Method status original
Method saved by (full name) Metrohm International Headquarters
Method saved by (short name) Metrohm

START

Main track

General

Workplace view

Current view on

Track view for live window

Live display 1 Main track

Live display 2 Main track

Electrode check on

Application note

Enter the number of preparation cycles for each Dosing Unit. If the Dosing Unit should not be prepared, enter 0. Electrolyte neutral - Prep cycles – Number of preparation cycles for DU «Electrolyte neutral» Electrolyte alkaline - Prep cycle – Number of preparation cycles for DU «Electrolyte alkaline» DU WashStation - Prep cycle – Number of preparation cycles for DU «WashStation»

Sample data variables

Name	Type	Assignment	Fixed value	Comment	Monitoring
ID1	Text	ID1	Preparation	Sample identification 1	off
Electrolyte neutral -	Number	ID2		Sample identification 2	off
Electrolyte alkaline -	Number	ID3		Sample identification 3	off
WashStation - Prep	Number	ID4			off

Name **ID1**
Type Text
Assignment on. ID1
Fixed value on. Preparation Dosing Unit(s)
Check at start off
Comment Sample identification 1

Name **Electrolyte neutral - Prep Cycles**
Type Number
Assignment on. ID2
Fixed value off
Check at start on



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Comment Sample identification 2
Variable monitoring off
Lower limit
Upper limit
Message
Display message on
Record message on
Message by e-mail off
 E-mail template
 Subject Message from viva - method 'New method 1' - command 'Main track'
Acoustic signal off
Action off
Cancel determination on
Cancel determination and series off

Name **Electrolyte alkaline - Prep Cycles**
Type Number
Assignment on, ID3
Fixed value off,
Check at start on
Comment Sample identification 3
Variable monitoring off
Lower limit
Upper limit
Message
Display message on
Record message on
Message by e-mail off
 E-mail template
 Subject Message from viva - method 'New method 1' - command 'Main track'
Acoustic signal off
Action off
Cancel determination on
Cancel determination and series off

Name **WashStation - Prep Cycles**
Type Number
Assignment on, ID4
Fixed value off,
Check at start on
Comment
Variable monitoring off
Lower limit
Upper limit



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Message
Display message on
Record message on
Message by e-mail off
E-mail template
Subject Message from viva - method 'AOx - Prep Dosinos' - command
'Main track'
Acoustic signal off
Action off
Cancel determination on
Cancel determination and series off

Command comment

AB-445/1: MVA-25 - Preparation of dosing units «Electrolyte neutral», «Electrolyte alkaline», and «WashStation»

CALL Call Prep

Call text	Track name	Sample type		Condition	
Prep DU neutral & alkaline	DU neutral & alkaline	off	Sample	on	= 'SD.Electrolyte neutral - Prep Cycles' > 0 AND 'SD.Electrolyte alkaline - Prep Cycles' > 0
Prep Electrolyte neutral	DU Electrolyte neutral	off	Sample	on	= 'SD.Electrolyte neutral - Prep Cycles' > 0 AND 'SD.Electrolyte alkaline - Prep Cycles' = 0
Prep Electrolyte alkaline	DU Electrolyte alkaline	off	Sample	on	= 'SD.Electrolyte alkaline - Prep Cycles' > 0 AND 'SD.Electrolyte neutral - Prep Cycles' = 0
Prep WashStation	DU WashStation	off	Sample	on	= 'SD. WashStation - Prep Cycles' > 0

TRACK DU Electrolyte neutral

Return immediately off
Delete old data off

CALL Waste neutral

Call text	Track name	Sample type		Condition
Call waste position	Waste Position	off	Sample	off



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Call text	Track name	Sample type	Condition
Drain measuring vessel	Drain	off Sample	off

LOOP**Cycles DU neutral**

Stop criteria

Max. run number on
Max. run number = 'SD.Electrolyte neutral - Prep Cycles'
Maximum run time off
Signal assessment for DT off
Condition off

CALL**Call Prep DU neutral**

Call text	Track name	Sample type	Condition
Prep DU neutral	Prep DU neutral	off Sample	off

TRACK**DU Electrolyte alkaline**

Return immediately off
Delete old data off

CALL**Waste alkaline**

Call text	Track name	Sample type	Condition
Call waste position	Waste Position	off Sample	off
Drain measuring vessel	Drain	off Sample	off

LOOP**Cycles DU alkaline**

Stop criteria

Max. run number on
Max. run number = 'SD.Electrolyte alkaline - Prep Cycles'
Maximum run time off
Signal assessment for DT off
Condition off

CALL**Call Prep DU alkaline**

Call text	Track name	Sample type	Condition
Prep DU alkaline	Prep DU alkaline	off Sample	off

TRACK**DU neutral & alkaline**

Return immediately off
Delete old data off

Waste neutral & alkaline



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CALL

Call text	Track name	Sample type		Condition
Call waste position	Waste Position	off	Sample	off
Drain measuring vessel	Drain	off	Sample	off

LOOP

1_Cycles DU alkaline

Stop criteria

Max. run number on
Max. run number = 'SD.Electrolyte alkaline - Prep Cycles'
Maximum run time off
Signal assessment for DT off
Condition off

CALL

1_Call Prep DU alkaline

Call text	Track name	Sample type		Condition
Prep DU alkaline	Prep DU alkaline	off	Sample	off

WAIT

WAIT

Wait

Stop track and waiting for [Continue] off
Stop all tracks and waiting for [Continue] off
Waiting time on
Time 0
Unit s

Message

Record message off
Message by e-mail off
Acoustic signal off

LOOP

2_Cycles DU neutral

Stop criteria

Max. run number on
Max. run number = 'SD.Electrolyte neutral - Prep Cycles'
Maximum run time off
Signal assessment for DT off
Condition off

CALL

2_Call Prep DU neutral

Call text	Track name	Sample type		Condition
Prep DU neutral	Prep DU neutral	off	Sample	off

TRACK

Waste Position

Return immediately off



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Delete old data off

SWING Swing Waste Position

Device

Device name 858 Sample Processor

Device type 858.0020 Professional Sample Processor

Target

Tower 1

Swing External position

Number 2

Parameters

Swing rate 55 %/s

LIFT Lift Waste Position

Device

Device name 858 Sample Processor

Device type 858.0020 Professional Sample Processor

Target

Tower 1

Lift position Work position mm

Parameters

Lift rate 25 mm/s

TRACK Drain

Return immediately off

Delete old data off

PUMP PUMP Drain

Device

Device name 858 Sample Processor

Device type 858.0020 Professional Sample Processor

Pumps

Tower 1

Pump(s) 1

Action

Switch on on

Switch off off

Duration off

Time 15 s

TRACK DU WashStation

Return immediately off

Delete old data off

LOOP Cycles DU WashStation

Stop criteria

Max. run number on

Max. run number = 'SD.WashStation - Prep Cycles'



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Maximum run time off
Signal assessment for DT off
Condition off

PREP Prep WashStation

Dosing device
Dosing unit WashStation

TRACK Prep DU neutral

Return immediately off
Delete old data off

PREP Prep Electrolyte neutral

Dosing device
Dosing unit Electrolyte neutral

TRACK Prep DU alkaline

Return immediately off
Delete old data off

PREP Prep Electrolyte alkaline

Dosing device
Dosing unit Electrolyte alkaline

TRACK Shut off

Return immediately off
Delete old data off

PUMP PUMPS OFF

Device
Device name 858 Sample Processor
Device type 858.0020 Professional Sample Processor
Pumps
Tower 1
Pump(s) 1+2
Action
Switch on off
Switch off on
Duration off
Time 8.0 s

LIFT Lift Home

Device
Device name 858 Sample Processor
Device type 858.0020 Professional Sample Processor
Target
Tower 1
Lift position Home position mm
Parameters



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Lift rate 25 mm/s

EXIT Exit track

CALL Exit shut off

Call text	Track name	Sample type		Condition
Exit shut off	Shut off	off	Sample	off

ERROR Error track

CALL Error shut off

Call text	Track name	Sample type		Condition
Error shut off	Shut off	off	Sample	off

Evaluation parameters

Results

Results

Additional results

Result	Places	Prefix	Unit
Peak potential	3		V
Height	2	#	A
RSD of the heights of all replications	1		%
Measured value	2	#	A
RSD of the measured values of all replications	1		%
Area	2	#	C
RSD of the areas of all replications	1		%
Start base point	3		
End base point	3		
Standardized area	3		
Standardized height	3		
Standardized measured value	3		
Total volume	3	#	L
Zero-order coefficient	3		



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Result	Places	Prefix	Unit
First-order coefficient	3		
Second-order coefficient	3		
Fourth-order coefficient	3		
Coefficient of determination	5		
Substance concentration in measuring vessel	2	#	
RSD of the substance concentration in measuring vessel	1		%
Amount of substance	2	#	
RSD of the substance concentration in the sample	1		%
Effective addition volume of the standard solution for the evaluation ratio	2	#	L
RSD of the effective addition volume of the standard solution for the evaluation ratio	1		%
Calibration factor DT	2	#	
RSD of the calibration factor DT	1		%
Effective addition volume of the sample solution for the evaluation ratio	2	#	L
RSD of the effective addition volume of the sample solution for the evaluation ratio	1		%

Database

Name database viva