Method parameters

Method . . . . AB445 - Maintenance - Prepare dosing units

Method saving date . . . . 2024-03-27 09:19:43 UTC+1

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

- Specify the number of preparation cycles for each Dosing Unit in the «Run» window in the respective field «Prep Cycles - ...». For one cycle enter 1, for two cycles 2, and so on. For Dosing Units which should not be prepared enter 0. - The draining pump will empty the measuring vessel during preparation of the dosing units.

Sample data variables

Name	Type	Assignment	Fixed value	Comment	Monitoring
ID1	Text	ID1	Preparation	Sample identification 1	off
Prep Cycles -	Number	ID2		Sample identification 2	off
Prep Cycles -	Number	ID3		Sample identification 3	off
Prep Cycles - DU	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 . . . . **Prep Cycles - Electrolyte neutral**

Type . . . . Number

Assignment . . . . on. ID2

Fixed value . . . . off. . . . .

Check at start . . . . on

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 . . . . **Prep Cycles - Electrolyte alkaline**

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 . . . . **Prep Cycles - DU WashStation**

Type . . . . Number

Assignment . . . . on. ID4

Fixed value . . . . off. . . . .

Check at start . . . . on

Comment . . . .

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 'AOx - Prep Dosinos' - command 'Main track'

Acoustic signal . . . . off

Action . . . . off

Cancel determination . . . . on

Cancel determination and series . . . . off

Command comment
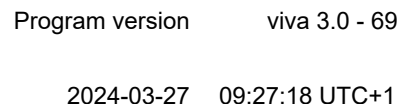
    Preparation of dosing units «Electrolyte neutral», «Electrolyte alkaline», and «WashStation»

CALL   **Call Prep**

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

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.Prep Cycles - Electrolyte neutral'

     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.Prep Cycles - Electrolyte alkaline'

     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

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.Prep Cycles - Electrolyte alkaline'

    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.Prep Cycles - Electrolyte neutral'

    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

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.Prep Cycles - DU WashStation'

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

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