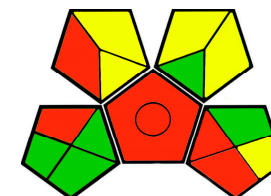


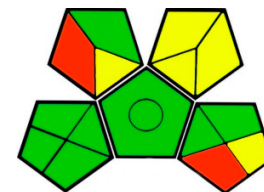
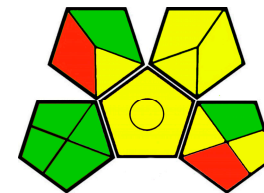
Supplementary Table S1. *Green analytical procedure index GAPI in details for Empagliflozin analysis*

1	Category	Method
	<u>Sample preparation</u>	
	Collection (1)	In line (Green)
	Preservation (2)	None (Green)
	Transport (3)	None (Green)
	Storage (4)	Under special condition (Red)
	Type of method: Direct or indirect (5)	Extraction (Red)
	Scale of extraction (6)	Macro-extraction (Red)
	Solvents/ reagents used (7)	Non-green solvents and reagents used (Red)
	Additional treatments (8)	Simple treatment (Yellow)
	<u>Reagent and Solvents</u>	
	Amount (9)	Less than 10 ml (Green)
	Health hazard (10)	NFPA=2, Moderate toxicity (Yellow)
	Safety hazard (11)	NFPA=3; high flammability (Yellow)
	<u>Instrumentation</u>	
	Energy (12)	>1.5 Kwh per sample (Red)
	Occupational hazard (13)	Hermetic sealing of analytical procedure (Green)
	Waste (14)	1-10 ml (yellow)
	Waste treatment (15)	No treatment (Red)

Figure



<u>2</u>	<u>Sample preparation</u>	
	Collection (1)	In line (Green)
	Preservation (2)	None (Green)
	Transport (3)	None (Green)
	Storage (4)	None (Green)
	Type of method: Direct or indirect (5)	Simple procedure (Yellow)
	Scale of extraction (6)	Micro-extraction (Yellow)
	Solvents/ reagents used (7)	Non-green solvents and reagents used (Red)
	Additional treatments (8)	None (Green)
	<u>Reagent and Solvents</u>	
	Amount (9)	10-100 ml (Yellow)
	Health hazard (10)	NFPA=2, Moderate toxicity (Yellow)
	Safety hazard (11)	NFPA=3; high flammability (Yellow)
	<u>Instrumentation</u>	
	Energy (12)	<=1.5 Kwh per sample (Yellow)
	Occupational hazard (13)	Hermetic sealing of analytical procedure (Green)
	Waste (14)	1-10 ml (yellow)
	Waste treatment (15)	No treatment (Red)
<u>3</u>	<u>Sample preparation</u>	
	Collection (1)	In line (Green)
	Preservation (2)	None (Green)
	Transport (3)	None (Green)
	Storage (4)	None (Green)
	Type of method: Direct or indirect (5)	No sample preparation (Green)
	Scale of extraction (6)	Micro-extraction (Yellow)
	Solvents/ reagents used (7)	Non-green solvents and reagents used (Red)



Additional treatments (8)

Reagent and Solvents

Amount (9)

Health hazard (10)

Safety hazard (11)

Instrumentation

Energy (12)

Occupational hazard (13)

Waste (14)

Waste treatment (15)

None (Green)

10-100 ml (Yellow)

NFPA=2, Moderate toxicity
(Yellow)

NFPA=3; high flammability
(Yellow)

≤ 0.1 Kwh per sample (Green)

Hermetic sealing of analytical
procedure (Green)

< 1 ml (Green)

No treatment (Red)

In line (Green)

None (Green)

None (Green)

None (Green)

Simple procedures (Yellow)

Micro-extraction (Yellow)

Non-green solvents and
reagents used (Red)

None (Green)

10-100 ml (Yellow)

NFPA=2, Moderate toxicity
(Yellow)

NFPA=3; high flammability
(Yellow)

> 1.5 Kwh per sample (Red)

Hermetic sealing of analytical

4 Sample preparation

Collection (1)

Preservation (2)

Transport (3)

Storage (4)

Type of method: Direct or indirect (5)

Scale of extraction (6)

Solvents/ reagents used (7)

Additional treatments (8)

Reagent and Solvents

Amount (9)

Health hazard (10)

Safety hazard (11)

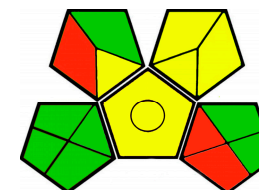
Instrumentation

Energy (12)

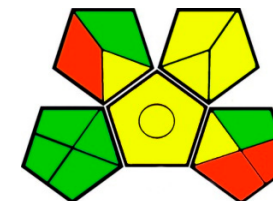
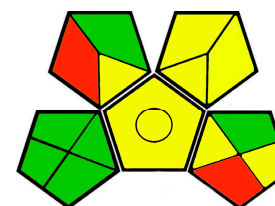
Occupational hazard (13)

Waste (14)

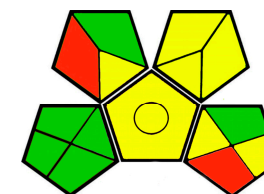
Waste treatment (15)



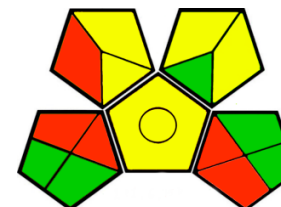
<u>5</u>	Collection (1) Preservation (2) Transport (3) Storage (4) Type of method: Direct or indirect (5) Scale of extraction (6) Solvents/ reagents used (7) Additional treatments (8) <u>Reagent and Solvents</u> Amount (9) Health hazard (10) Safety hazard (11) <u>Instrumentation</u> Energy (12) Occupational hazard (13) Waste (14) Waste treatment (15)	procedure (Green) <1 ml (Green) No treatment (Red) In line (Green) None (Green) None (Green) None (Green) Simple procedures (Yellow) Micro-extraction (Yellow) Non-green solvents and reagents used (Red) None (Green) 10-100 ml (Yellow) NFPA=2, Moderate toxicity (Yellow) NFPA=3; high flammability (Yellow) <=1.5 Kwh per sample (Yellow) Hermetic sealing of analytical procedure (Green) 1-10 ml (yellow) No treatment (Red)
6	Collection (1) Preservation (2) Transport (3) Storage (4) Type of method: Direct or indirect (5) Scale of extraction (6)	In line (Green) None (Green) None (Green) None (Green) Simple procedures (Yellow) Micro-extraction (Yellow)



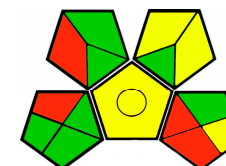
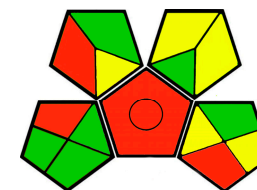
	Solvents/ reagents used (7)	Non-green solvents and reagents used (Red)
	Additional treatments (8)	None (Green)
	<u>Reagent and Solvents</u>	
	Amount (9)	
	Health hazard (10)	10-100 ml (Yellow)
	Safety hazard (11)	NFPA=2, Moderate toxicity (Yellow)
	<u>Instrumentation</u>	NFPA=3; high flammability (Yellow)
	Energy (12)	
	Occupational hazard (13)	
	Waste (14)	
	Waste treatment (15)	<=1.5 Kwh per sample (Yellow)
		Hermetic sealing of analytical procedure (Green)
		1-10 ml (yellow)
		No treatment (Red)
7	Collection (1)	In line (Green)
	Preservation (2)	None (Green)
	Transport (3)	None (Green)
	Storage (4)	None (Green)
	Type of method: Direct or indirect (5)	Simple procedures (Yellow)
	Scale of extraction (6)	Micro-extraction (Yellow)
	Solvents/ reagents used (7)	Non-green solvents and reagents used (Red)
	Additional treatments (8)	None (Green)
	<u>Reagent and Solvents</u>	
	Amount (9)	
	Health hazard (10)	10-100 ml (Yellow)
	Safety hazard (11)	NFPA=2, Moderate toxicity (Yellow)
	<u>Instrumentation</u>	NFPA=3; high flammability (Yellow)
	Energy (12)	
	Occupational hazard (13)	



	Waste (14)	
	Waste treatment (15)	<=1.5 Kwh per sample (Yellow)
		Hermetic sealing of analytical procedure (Green)
		1-10 ml (yellow)
		No treatment (Red)
8	Collection (1)	Off-line (Red)
	Preservation (2)	None (Green)
	Transport (3)	None (Green)
	Storage (4)	Under special condition (Red)
	Type of method: Direct or indirect (5)	Simple procedures (Yellow)
	Scale of extraction (6)	Micro-extraction (Red)
	Solvents/ reagents used (7)	Non-green solvents and reagents used (Red)
	Additional treatments (8)	Simple treatment (Yellow)
	<u>Reagent and Solvents</u>	
	Amount (9)	
	Health hazard (10)	Less than 10 ml (Green)
	Safety hazard (11)	NFPA=2, Moderate toxicity (Yellow)
	<u>Instrumentation</u>	
	Energy (12)	NFPA=3; high flammability (Yellow)
	Occupational hazard (13)	
	Waste (14)	
	Waste treatment (15)	>1.5 Kwh per sample (Red)
		Hermetic sealing of analytical procedure (Green)
		<1 ml (Green)
		No treatment (Red)



- | | |
|---|---|
| <p>9</p> <p>Collection (1)</p> <p>Preservation (2)</p> <p>Transport (3)</p> <p>Storage (4)</p> <p>Type of method: Direct or indirect (5)</p> <p>Scale of extraction (6)</p> <p>Solvents/ reagents used (7)</p> <p>Additional treatments (8)</p> <p><u>Reagent and Solvents</u></p> <p>Amount (9)</p> <p>Health hazard (10)</p> <p>Safety hazard (11)</p> <p><u>Instrumentation</u></p> <p>Energy (12)</p> <p>Occupational hazard (13)</p> <p>Waste (14)</p> <p>Waste treatment (15)</p> | <p>In line (Green)</p> <p>None (Green)</p> <p>None (Green)</p> <p>Under special condition (Red)</p> <p>Extraction (Red)</p> <p>Micro-extraction (Yellow)</p> <p>Non-green solvents and reagents used (Red)</p> <p>None (Green)</p>
<p>Less than 10 ml (Green)</p> <p>NFPA=2, Moderate toxicity (Yellow)</p> <p>NFPA=3; high flammability (Yellow)</p>
<p><=1.5 Kwh per sample (Yellow)</p> <p>Hermetic sealing of analytical procedure (Green)</p> <p>1-10 ml (yellow)</p> <p>No treatment (Red)</p> |
| <p>10</p> <p>Collection (1)</p> <p>Preservation (2)</p> <p>Transport (3)</p> <p>Storage (4)</p> <p>Type of method: Direct or indirect (5)</p> <p>Scale of extraction (6)</p> <p>Solvents/ reagents used (7)</p> <p>Additional treatments (8)</p> <p><u>Reagent and Solvents</u></p> | <p>In line (Green)</p> <p>None (Green)</p> <p>None (Green)</p> <p>Under special condition (Red)</p> <p>Simple procedures (Yellow)</p> <p>Nano-extraction (Green)</p> <p>Non-green solvents and reagents used (Red)</p> <p>None (Green)</p> |



Amount (9)
 Health hazard (10)
 Safety hazard (11)
Instrumentation
 Energy (12)
 Occupational hazard (13)
 Waste (14)
 Waste treatment (15)

Less than 10 ml (Green)
 NFPA=2, Moderate toxicity
 (Yellow)
 NFPA=3; high flammability
 (Yellow)
 >1.5 Kwh per sample (Red)
 Hermetic sealing of analytical
 procedure (Green)
 1-10 ml (yellow)
 No treatment (Red)

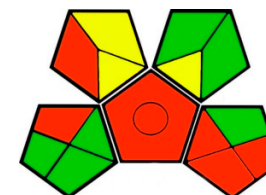
11 Collection (1)
 Preservation (2)
 Transport (3)
 Storage (4)
 Type of method: Direct or indirect (5)
 Scale of extraction (6)
 Solvents/ reagents used (7)
 Additional treatments (8)

In line (Green)
 None (Green)
 None (Green)
 Under special condition (Red)
 Extraction (Red)
 Micro-extraction (Yellow)
 Non-green solvents and
 reagents used (Red)
 Simple treatment (Yellow)

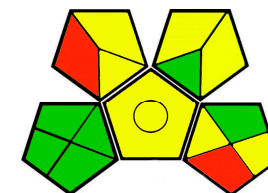
Reagent and Solvents

Amount (9)
 Health hazard (10)
 Safety hazard (11)
Instrumentation
 Energy (12)
 Occupational hazard (13)
 Waste (14)
 Waste treatment (15)

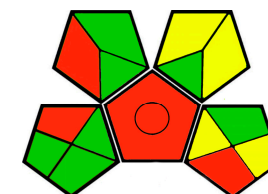
10-100 ml (Yellow)
 NFPA=2, Moderate toxicity
 (Yellow)
 NFPA=3; high flammability
 (Yellow)
 >1.5 Kwh per sample (Red)
 Hermetic sealing of analytical



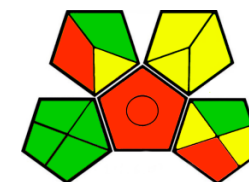
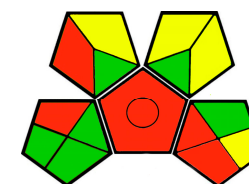
		procedure (Green)
		>10 ml
		(Red)
		No treatment (Red)
12	Collection (1)	In line (Green)
	Preservation (2)	None (Green)
	Transport (3)	None (Green)
	Storage (4)	None (Green)
	Type of method: Direct or indirect (5)	Simple procedures (Yellow)
	Scale of extraction (6)	Micro-extraction (Yellow)
	Solvents/ reagents used (7)	Non-green solvents and reagents used (Red)
	Additional treatments (8)	Simple treatment (Yellow)
	<u>Reagent and Solvents</u>	
	Amount (9)	Less than 10 ml (Green)
	Health hazard (10)	NFPA=2, Moderate toxicity (Yellow)
	Safety hazard (11)	NFPA=3; high flammability (Yellow)
	<u>Instrumentation</u>	
	Energy (12)	
	Occupational hazard (13)	
	Waste (14)	
	Waste treatment (15)	
		<=1.5 Kwh per sample (Yellow)
		Hermetic sealing of analytical procedure (Green)
		1-10 ml (Yellow)
		No treatment (Red)



13	Collection (1)	In line (Green)
	Preservation (2)	None (Green)
	Transport (3)	None (Green)
	Storage (4)	Under special condition (Red)
	Type of method: Direct or indirect (5)	Extraction (Red)
	Scale of extraction (6)	Nano-extraction (Green)
	Solvents/ reagents used (7)	Non-green solvents and reagents used (Red)
	Additional treatments (8)	None (Green)
	<u>Reagent and Solvents</u>	
	Amount (9)	Less than 10 ml (Green)
	Health hazard (10)	NFPA=2, Moderate toxicity (Yellow)
	Safety hazard (11)	NFPA=3; high flammability (Yellow)
	<u>Instrumentation</u>	
	Energy (12)	<=1.5 Kwh per sample (Yellow)
	Occupational hazard (13)	Hermetic sealing of analytical procedure (Green)
	Waste (14)	1-10 ml (Yellow)
	Waste treatment (15)	No treatment (Red)



- | | |
|--|--|
| <p>14</p> <p>Collection (1)</p> <p>Preservation (2)</p> <p>Transport (3)</p> <p>Storage (4)</p> <p>Type of method: Direct or indirect (5)</p> <p>Scale of extraction (6)</p> <p>Solvents/ reagents used (7)</p> <p>Additional treatments (8)</p> <p><u>Reagent and Solvents</u></p> <p>Amount (9)</p> <p>Health hazard (10)</p> <p>Safety hazard (11)</p> <p><u>Instrumentation</u></p> <p>Energy (12)</p> <p>Occupational hazard (13)</p> <p>Waste (14)</p> <p>Waste treatment (15)</p> | <p>In line (Green)</p> <p>None (Green)</p> <p>None (Green)</p> <p>Under special condition (Red)</p> <p>Extraction (Red)</p> <p>Nano-extraction (Green)</p> <p>Non-green solvents and reagents used (Red)</p> <p>Simple treatment (Yellow)</p>
<p>Less than 10 ml (Green)</p> <p>NFPA=2, Moderate toxicity (Yellow)</p> <p>NFPA=3; high flammability (Yellow)</p>
<p>>1.5 Kwh per sample (Red)</p> <p>Hermetic sealing of analytical procedure (Green)</p> <p>1-10 ml (Yellow)</p> <p>No treatment (Red)</p> |
| <p>15</p> <p>Collection (1)</p> <p>Preservation (2)</p> <p>Transport (3)</p> <p>Storage (4)</p> <p>Type of method: Direct or indirect (5)</p> <p>Scale of extraction (6)</p> <p>Solvents/ reagents used (7)</p> <p>Additional treatments (8)</p> <p><u>Reagent and Solvents</u></p> <p>Amount (9)</p> | <p>In line (Green)</p> <p>None (Green)</p> <p>None (Green)</p> <p>None (Green)</p> <p>Extraction (Red)</p> <p>Micro-extraction (Yellow)</p> <p>Non-green solvents and reagents used (Red)</p> <p>None (Green)</p> |



Health hazard (10)
 Safety hazard (11)
Instrumentation
 Energy (12)
 Occupational hazard (13)
 Waste (14)
 Waste treatment (15)

10-100 ml (Yellow)
 NFPA=2, Moderate toxicity
 (Yellow)
 NFPA=3; high flammability
 (Yellow)

 <=1.5 Kwh per sample
 (Yellow)
 Hermetic sealing of analytical
 procedure (Green)
 1-10 ml (Yellow)
 No treatment (Red)

16 Collection (1)
 Preservation (2)
 Transport (3)
 Storage (4)
 Type of method: Direct or indirect (5)
 Scale of extraction (6)
 Solvents/ reagents used (7)
 Additional treatments (8)

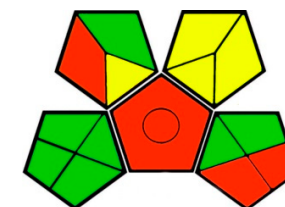
In line (Green)
 None (Green)
 None (Green)
 None (Green)
 Extraction (Red)
 Micro-extraction (Yellow)
 Non-green solvents and
 reagents used (Red)
 None (Green)

Reagent and Solvents

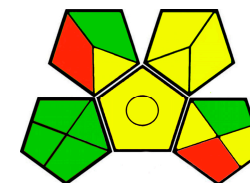
Amount (9)
 Health hazard (10)
 Safety hazard (11)
Instrumentation
 Energy (12)
 Occupational hazard (13)
 Waste (14)
 Waste treatment (15)

10-100 ml (Yellow)
 NFPA=2, Moderate toxicity
 (Yellow)
 NFPA=3; high flammability
 (Yellow)

 <= 0.1 Kwh per sample
 (Green)



	Hermetic sealing of analytical procedure (Green)
	>10 ml (Red)
	No treatment (Red)
17 <u>Sample preparation</u>	
Collection (1)	In line (Green)
Preservation (2)	None (Green)
Transport (3)	None (Green)
Storage (4)	Simple procedure (Yellow)
Type of method: Direct or indirect (5)	Micro-extraction (Yellow)
Scale of extraction (6)	Non-green solvents and reagents used (Red)
Solvents/ reagents used (7)	None (Green)
Additional treatments (8)	
<u>Reagent and Solvents</u>	
Amount (9)	10-100 ml (Yellow)
Health hazard (10)	NFPA=2, Moderate toxicity (Yellow)
Safety hazard (11)	NFPA=3; high flammability (Yellow)
<u>Instrumentation</u>	
Energy (12)	
Occupational hazard (13)	<=1.5 Kwh per sample (Yellow)
Waste (14)	Hermetic sealing of analytical procedure (Green)
Waste treatment (15)	1-10 ml (yellow)
	No treatment (Red)



18 **Sample preparation**

Collection (1)
 Preservation (2)
 Transport (3)
 Storage (4)
 Type of method: Direct or indirect (5)
 Scale of extraction (6)
 Solvents/ reagents used (7)
 Additional treatments (8)

Reagent and Solvents

Amount (9)
 Health hazard (10)
 Safety hazard (11)

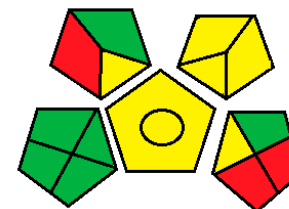
Instrumentation

Energy (12)
 Occupational hazard (13)
 Waste (14)
 Waste treatment (15)

In line (Green)
 None (Green)
 None (Green)
 None (Green)
 Simple procedure (Yellow)
 Micro-extraction (Yellow)
 Non-green solvents and
 reagents used (Red)
 None (Green)

10-100 ml (Yellow)
 NFPA=2, Moderate toxicity
 (Yellow)
 NFPA=3; high flammability
 (Yellow)

≤ 1.5 Kwh per sample
 (Yellow)
 Hermetic sealing of analytical
 procedure (Green)
 >10 ml (red)
 No treatment (Red)



19 **Sample preparation**

Collection (1)
 Preservation (2)
 Transport (3)
 Storage (4)
 Type of method: Direct or indirect (5)
 Scale of extraction (6)
 Solvents/ reagents used (7)
 Additional treatments (8)

Reagent and Solvents

Amount (9)
 Health hazard (10)
 Safety hazard (11)

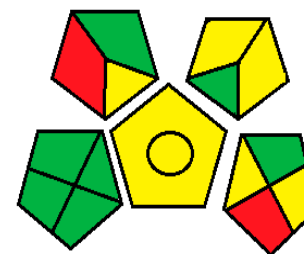
Instrumentation

Energy (12)
 Occupational hazard (13)
 Waste (14)
 Waste treatment (15)

In line (Green)
 None (Green)
 None (Green)
 None (Green)
 Simple procedure (Yellow)
 Micro-extraction (Yellow)
 Non-green solvents and reagents used (Red)
 None (Green)

<10 ml (green)
 NFPA=2, Moderate toxicity (Yellow)
 NFPA=3; high flammability (Yellow)

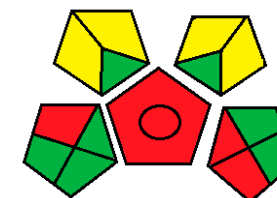
<=1.5 Kwh per sample (Yellow)
 Hermetic sealing of analytical procedure (Green)
 1-10 ml (yellow)
 No treatment (Red)



20 **Sample preparation**

Collection (1)
 Preservation (2)
 Transport (3)
 Storage (4)
 Type of method: Direct or indirect (5)
 Scale of extraction (6)
 Solvents/ reagents used (7)

In line (Green)
 None (Green)
 None (Green)
 Under special conditions (Red)
 Extraction required (red)
 Nano-extraction (green)
 green solvents used (Yellow)



Additional treatments (8)

Reagent and Solvents

Amount (9)

Health hazard (10)

Safety hazard (11)

Instrumentation

Energy (12)

Occupational hazard (13)

Waste (14)

Waste treatment (15)

Simple treatment(Yellow)

<10 ml (green)

NFPA=2, Moderate toxicity
(Yellow)

NFPA=3; high flammability
(Yellow)

>1.5 Kwh per sample (red)

Hermetic sealing of analytical
procedure (Green)

<1ml (green)

No treatment (Red)

21 **Sample preparation**

Collection (1)

Preservation (2)

Transport (3)

Storage (4)

Type of method: Direct or indirect (5)

Scale of extraction (6)

Solvents/ reagents used (7)

Additional treatments (8)

In line (Green)

None (Green)

None (Green)

Under special conditions (Red)

Extraction required (red)

Nano-extraction (green)

Non-green solvents used (red)

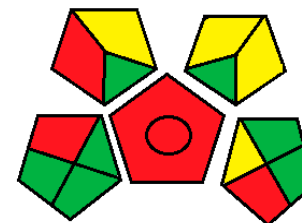
Simple treatment(Yellow)

Reagent and Solvents

Amount (9)

<10 ml (green)

NFPA=2, Moderate toxicity



Health hazard (10)

Safety hazard (11)

(Yellow)

NFPA=3; high flammability

(Yellow)

Instrumentation

Energy (12)

Occupational hazard (13)

Waste (14)

Waste treatment (15)

<1.5 Kwh per sample (yellow)

Hermetic sealing of analytical procedure (Green)

<1ml (green)

No treatment (Red)

22

Sample preparation

Collection (1)

Preservation (2)

Transport (3)

Storage (4)

Type of method: Direct or indirect (5)

Scale of extraction (6)

Solvents/ reagents used (7)

Additional treatments (8)

In line (Green)

None (Green)

None (Green)

Under normal conditions (yellow)

Simple procedure (Yellow)

Micro-extraction (Yellow)

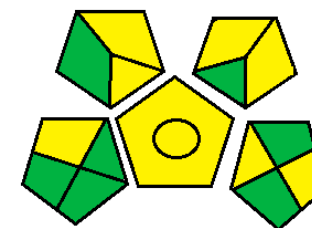
Green solvents and reagents used (yellow)

Simple treatments (yellow)

Reagent and Solvents

Amount (9)

<10ml (green)



Health hazard (10)
Safety hazard (11)

NFPA=2, Moderate toxicity
(Yellow)
NFPA=3; high flammability
(Yellow)

Instrumentation

Energy (12)
Occupational hazard (13)
Waste (14)
Waste treatment (15)

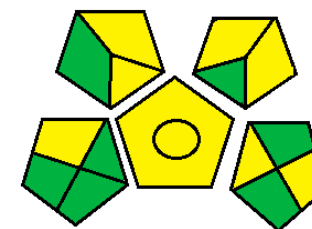
≤ 1.5 Kwh per sample (Yellow)
Hermetic sealing of analytical
procedure (Green)
1-10 ml (yellow)
recycled (green)

23

Sample preparation

Collection (1)
Preservation (2)
Transport (3)
Storage (4)
Type of method: Direct or indirect (5)
Scale of extraction (6)
Solvents/ reagents used (7)
Additional treatments (8)

In line (Green)
None (Green)
None (Green)
Under normal conditions (yellow)
Simple procedure (Yellow)
Micro-extraction (Yellow)
Green solvents and reagents used
(yellow)



Reagent and Solvents

Amount (9)

Health hazard (10)

Safety hazard (11)

Instrumentation

Energy (12)

Occupational hazard (13)

Waste (14)

Waste treatment (15)

Simple treatments (yellow)

<10ml (green)

NFPA=2, Moderate toxicity
(Yellow)

NFPA=3; high flammability
(Yellow)

<=1.5 Kwh per sample (Yellow)

Hermetic sealing of analytical
procedure (Green)

1-10 ml (yellow)

recycled (green)

24

Sample preparation

Collection (1)

Preservation (2)

Transport (3)

Storage (4)

Type of method: Direct or indirect (5)

Scale of extraction (6)

In line (Green)

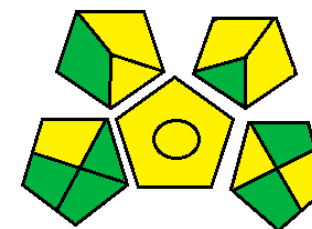
None (Green)

None (Green)

Under normal conditions (yellow)

Simple procedure (Yellow)

Micro-extraction (Yellow)



Solvents/ reagents used (7)
Additional treatments (8)

Reagent and Solvents

Amount (9)
Health hazard (10)
Safety hazard (11)

Instrumentation

Energy (12)
Occupational hazard (13)
Waste (14)
Waste treatment (15)

Green solvents and reagents used
(yellow)
Simple treatments (yellow)

<10ml (green)
NFPA=2, Moderate toxicity
(Yellow)
NFPA=3; high flammability
(Yellow)

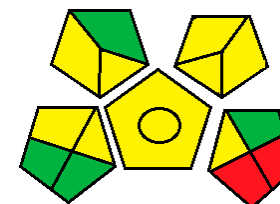
<=1.5 Kwh per sample (Yellow)
Hermetic sealing of analytical
procedure (Green)
1-10 ml (yellow)
recycled (green)

25

Sample preparation

Collection (1)
Preservation (2)
Transport (3)
Storage (4)
Type of method: Direct or indirect (5)
Scale of extraction (6)

On line (Yellow)
None (Green)
None (Green)
Under normal condition (Yellow)
Simple procedure (Yellow)
Micro-extraction (Yellow)



Solvents/ reagents used (7)
Additional treatments (8)

Reagent and Solvents

Amount (9)
Health hazard (10)
Safety hazard (11)

Instrumentation

Energy (12)
Occupational hazard (13)
Waste (14)
Waste treatment (15)

Green solvents and reagents used
(yellow)
None (green)

1-10ml (Yellow)
NFPA=2, Moderate toxicity
(Yellow)
NFPA=3; high flammability
(Yellow)

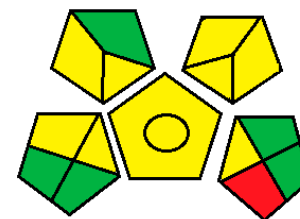
≤ 1.5 Kwh per sample (Yellow)
Hermetic sealing of analytical
procedure (Green)
>10 ml (red)
No treatment (Red)

26

Sample preparation

Collection (1)
Preservation (2)
Transport (3)
Storage (4)
Type of method: Direct or indirect (5)
Scale of extraction (6)

on line (Yellow)
None (Green)
None (Green)
Under normal conditions (yellow)
Simple procedure (Yellow)
Micro-extraction (Yellow)



Solvents/ reagents used (7)
Additional treatments (8)

Reagent and Solvents

Amount (9)
Health hazard (10)
Safety hazard (11)

Instrumentation

Energy (12)
Occupational hazard (13)
Waste (14)
Waste treatment (15)

Green solvents and reagents used
(yellow)
None (Green)

>10ml (Yellow)
NFPA=2, Moderate toxicity
(Yellow)
NFPA=3; high flammability
(Yellow)

≤ 1.5 Kwh per sample (Yellow)
Hermetic sealing of analytical
procedure (Green)
<1ml (Green)
No treatment (Red)