HJ

HJ 1012-2018

—

2018-12-29 2019-07-01

.....ii
1 1
2 1
3 1
4 2
5 3
6 5
7 7
8 12
9 13

2018 12 29

2019 7 1

1

“ ”

2

GB 3836.1

GB/T 4208 IP

GB/T 16157

HJ 38

HJ 168

HJ 604 -

3

3.1

total

3.3

instrument detection limit

4.5

5.2.4.5

4.6

5

5.1

5.1.1

5.2.1

5.1.2

5.2.2

5.1.3

5.2.3

5.1.4

5.2.4

120 20

5.2.4.1.2

5.2.4.1.3

120 20

5.2.4.1.4

5.2.4.1.5

5.2.4.2 /

5.2.4.2.1

5.2.4.2.2

5.2.4.2.3

5.2.4.2.4

0.5 1 μm

5.2.4.3

5.2.4.3.1

5.2.4.3.2

5.2.4.3.3

/

5.2.4.4

5.2.4.4.1 /

5.2.4.4.2

5.2.4.5 ` ` ` ל

5.2.4.5.4

5.2.4.5.5 /

5.2.4.5.6

6

6.1

6.1.1

6.1.1.1

≤ 0.13 μmol/mol 0.07 mg/m^3

6.1.1.2

6.1.1.3

≤ 2.0%

6.1.1.4

± 2.0%

6.1.1.5

80% 120%

6.1.2

6.1.2.1

≤ 2 min

6.1.2.2

0 40 ± 5.0%

6.1.2.3

± 10% ± 2.0%

6.1.2.4

± 5.0%

6.1.2.5

VOCs 1

1

1		0.9 1.2
2		0.8 1.2
3		0.8 1.2
4		0.75 1.15

6.1.2.6

2 ≤ 5.0%

6.1.2.7

≥ 95%

6.2

6.2.1

6.2.1.1

≤ 1.49 μmol/mol 0.8 mg/m^3

6.2.1.2

6.2.1.3

≤ 2.0%

6.2.1.4

± 2.0%

6.2.1.5

80% 120%

6.2.2

6.2.2.1

≤ 2 min

6.2.2.2

0 40 ± 5.0%

6.2.2.3

± 10% ± 2.0%

6.2.2.4

± 10% ± 2.0%

6.2.2.5

± 2.0%

6.2.2.6

± 5.0%

6.2.2.7

VOCs 1 ƀ ɋ OƇ

7.2

7.2.1 ≤ 2.0%

7.2.2 0.3 mg/m^3

7.3

7.3.1

7 =1,2...,

1

$$_0 \sqrt{\frac{n \quad \text{—} \quad 2}{1 \quad 1}}$$ ……

d) 0 ± 2 30 min

e) 20 ± 2 30 min

f) 5

6.1.2.2 6.2.2.2

$$\frac{3 \quad 3 \quad \frac{2 \quad 2 \quad 4 \quad 4}{2}}{} \; 100\% \qquad \frac{1 \quad 1 \quad \frac{0 \quad 0 \quad 2 \quad 2}{2}}{} \; 100\% \; \cdots \; 5$$

-------- %

-------- µmol/mol mg/m^3

-------- µmol/mol mg/m^3

-------- µmol/mol mg/m^3

-------- µmol/mol mg/m^3

-------- µmol/mol mg/m^3

-------- µmol/mol mg/m^3

-------- µmol/mol mg/m^3

-------- µmol/mol mg/m^3

-------- µmol/mol mg/m^3

-------- µmol/mol mg/m^3

-------- µmol/mol mg/m^3

7.3.8

50% ± 5%

10%

10% 6

3 6.2.2.3

7.3.9

50% ± 5%

b) 90% + 10% + 22.4 µmol/mol 16 mg/m^3
224 µmol/mol 160 mg/m^3

c) 80% + 20% + 22.4 µmol/mol 16 mg/m^3
224 µmol/mol 160 mg/m^3

3 9

6.1.2.4 6.2.2.6

0 100% 0 100% …… 9

0 3 µmol/mol mg/m^3

0 3

3

10

6.1.2.5 6.2.2.7

, …… 10

,

c

ref

c,i 3

c,ref 3

20% 30% 40%40%

$$\frac{1}{\quad} = \sqrt{\frac{\quad^{2} \quad , \quad \frac{\quad}{\quad}^{2}}{1}} \quad 100\% \qquad \ldots\ldots\ldots\ldots\ldots\ldots \quad 11$$

—— %

—— μmol/mol mg/m^3

$C_{i,j}$ —— μmol/mol mg/m^3

—— =1 2

—— =1 3

7.3.14

50%~80% 3

12

6.1.2.7 6.2.2.9

1 — 100% …….…… 12

—— %

—— 3 μmol/mol mg/m^3

—— μmol/mol mg/m^3

8

GB/T 16157

9

2

2

	I	II	
	≤ 0.13 μmol/mol 0.07 mg/m^3	≤ 1.49 μmol/mol 0.8 mg/m^3	7.3.1

				7.3.2
		≤ 2.0%	≤ 2.0%	7.3.3
		± 2.0% F.S.	± 2.0% F.S.	7.3.4
		80% 120%	80% 120%	7.3.5
		≤ 2 min	≤ 2 min	7.3.6
		± 5.0% F.S.	± 5.0% F.S.	7.3.7
		/	± 2.0% F.S.	7.3.8
		± 2.0% F.S.	± 2.0% F.S.	7.3.9
		/	± 2.0% F.S.	7.3.10
		± 5.0% F.S.	± 5.0% F.S.	7.3.11
		0.9 1.2	0.9 1.2	7.3.12
		0.8 1.2	0.8 1.2	
		0.8 1.2	0.8 1.2	
		0.75 1.15	0.75 1.15	
		≤ 5.0%	≤ 5.0%	7.3.13
		≥ 95%	≥ 95%	7.3.14