HJ 1012-2018

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 hydrocarbons THC

HJ 38 HJ 604

3.2

nonmethane hydrocarbons NMHC

HJ 38 HJ 604

3.3

instrument detection limit

3.4

quantitative measurement repeatability

3.5

response factor

3.6

instruments parallelism

3.7

conversion efficiency

4

4.1

/

4.2

5.1.4

5.2.4.1

4.3 /

/ /

5.2.4.2

4.4

5.2.4.3

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

5.2.1

5.2.1.1

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

S_r——　　%

C_i——

d) 0 ± 2 30 min t_3

M_3

e) 20 ± 2 30 min t_4

M_4

f) 5

6.1.2.2 6.2.2.2

$$b_{st}=\frac{(M_3-Z_3)-\frac{(M_2-Z_2)+(M_4-Z_4)}{2}}{R}\times 100\% \quad \frac{(M_1-Z_1)-\frac{(M_0-Z_0)+(M_2-Z_2)}{2}}{R}\times 100\% \quad \cdots \quad 5$$

b_{st}-------- %

M_0-------- t_0 μmol/mol mg/m^3

M_1-------- t_1 μmol/mol mg/m^3

M_2-------- t_2 μmol/mol mg/m^3

M_3-------- t_3 μmol/mol mg/m^3

M_4-------- t_4 μmol/mol mg/m^3

Z_0-------- t_0 μmol/mol mg/m^3

Z_1-------- t_1 μmol/mol mg/m^3

Z_2-------- t_2 μmol/mol mg/m^3

Z_3-------- t_3 μmol/mol mg/m^3

Z_4-------- t_4 μmol/mol mg/m^3

R-------- μmol/mol mg/m^3

7.3.8

50% ± 5%

T 10%

P

10% Q 6

3 6.2.2.3

$$V=\frac{P-T}{R}\times 100\% \quad \frac{Q-T}{R}\times 100\% \quad \cdots\cdots\cdots\cdots\cdots \quad 6$$

V —— %

T —— μmol/mol mg/m^3

P —— 10% μmol/mol mg/m^3

Q —— 10% μmol/mol mg/m^3

R —— μmol/mol mg/m^3

7.3.9

50% ± 5%

W 10%

X 10%

Y 7

b) 90% + 10% + 22.4 µmol/mol 16 mg/m^3
224 µmol/mol 160 mg/m^3 b_1

c) 80% + 20% + 22.4 µmol/mol 16 mg/m^3
224 µmol/mol 160 mg/m^3 b_2

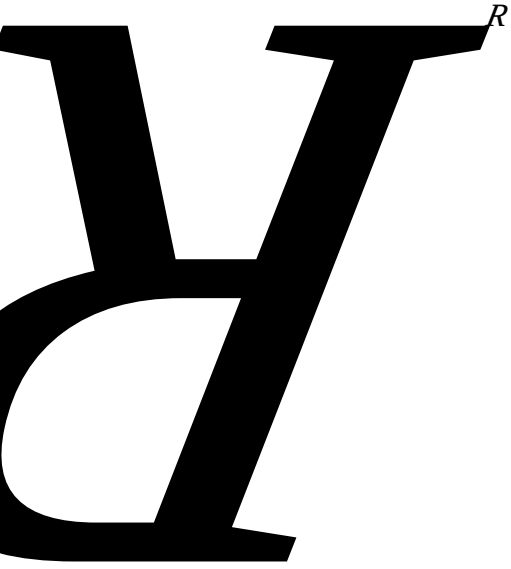
a_0 b_0

a_1 a_2 b_1 b_2 a_1 a_2 b_1 b_2

3 $\bar{a}_i$ $\bar{b}_i$ 9

6.1.2.4 6.2.2.6

$$= \frac{\overline{\quad} - \overline{a_0}}{R} \times 100\%$$ 2 U ū δ



$$P_j = \frac{1}{\overline{C_j}} \times \sqrt{\frac{\sum_{i=1}^{2}\left(C_{i,j} - \overline{C_j}\right)^2}{1}} \times 100\% \qquad \text{……..……} \quad 11$$

P_j —— j %

—— j μmol/mol mg/m^3

#ßßÈ —— i j μmol/mol mg/m^3

i —— i=1 2

J—— j=1 3

7.3.14

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				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