# TDD5

2017 11

1 .....1
2 .....3
3 .....13
4 .....21
5 .....25
6 .....29
7 .....45
8 .....51
9 .....53
“ ” .....56

**1**

| | | | | | |
|---|---|---|---|---|---|
| | TDD5 | | | | |
| | | | | | |
| | | | | | |
| | ■ □ □ □ | | | | |
| | 4 /<br>3.3 / | | | | |
| | 2017 7 | | 2017 4 | | |
| | 2017 9 | | 2017 10 13 ~14 | | |
| | | | | | |
| | 2017 175 | | 2017 8 7 | | |
| | | | | | |
| | 8665 | | 25 | | 0.29% |
| | 8665 | | 50 | | 0.58% |
| | 1 682 <<br>> 2017 10 1<br>2 1994 7 6 2012<br>7 26<br>3 1999 61 <<br>><br>4 13<br>2002 2 1 | | | | |

5 2000 38

2000 2 22

6 < > <

> [2012]21

7 <

> [2017]1529 2017 9

29

8 <

> [2017]1235

2017 8 3

9 TDD5

2017

7

10 2017 175

TDD5

˜ ẓ ᵛ 2017

## 2

**1**

TDD5

“ ”

26 26 3

2 26 3

MEMS 2015 6 4 MEMS

2014 343

26

MEMS TDD5

2017 7

TDD5 2017

8 7 TDD5

2017 175

3

2017 4 2017 8 2017 9

2017 6 12

4415022012000010 4

< >

682 “

”

< >

682 13

2017 9

10

TDD5

<

> [2017]1529 <

>

[2017]1235

2017 11 14

TDD5

TDD5

**2**

26 3

115 ° 23 ′ 11 ″ 22 ° 47 ′ 31 ″ 2-1 2-2

**2-1**

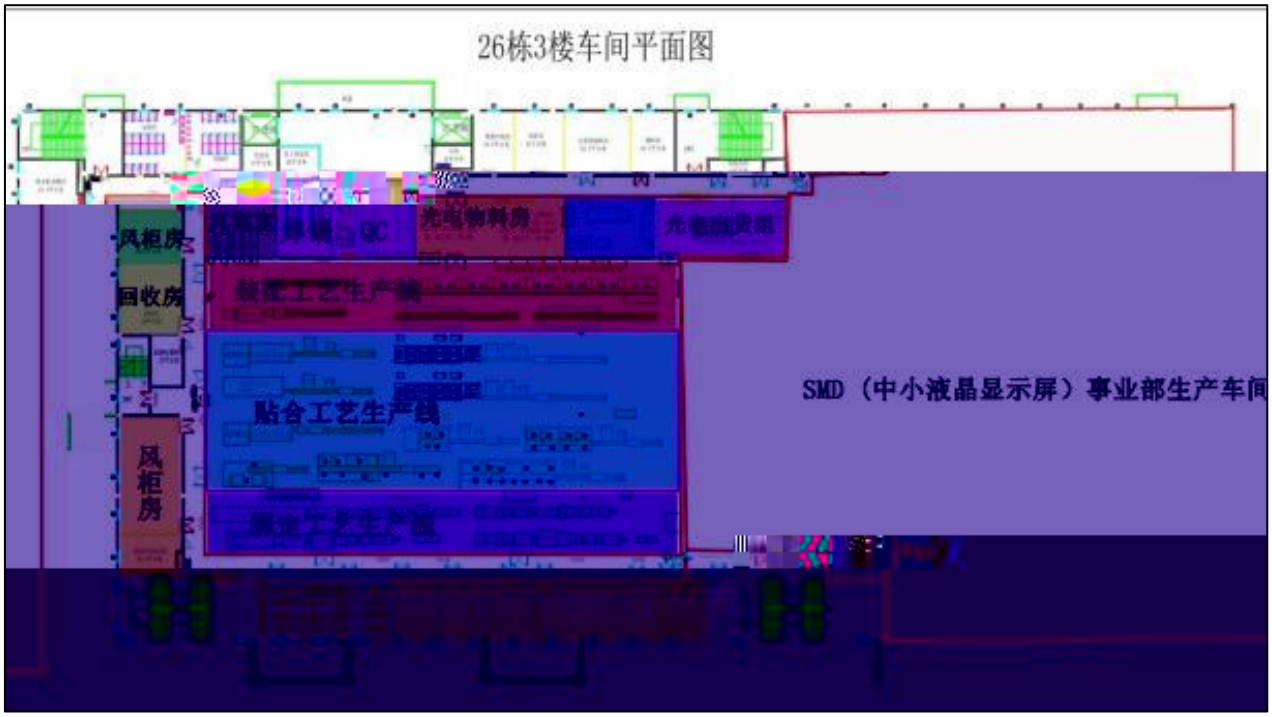
**2-2**

**3**

26 3

QC

2-3




**2-3**

**4**

4 / 1200 / 3.3 / 990 / 2-1

**2-1**

| | | ( ) | |
|---|---|---|---|
| | | 4 | 3.3 |

**5**

26 3 26 10000m$^2$ 4 40000m$^2$ 26

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | 26 1 | 26 1 |
| | | 26 1 | 26 1 |
| | | | |

**7**

400 2 12 300

**8**

2-4

**2-4**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | | 1 | 1 | 17 | | 1 | 1 |
| 2 | | 1 | 1 | 18 | UV | 1 | 1 |
| 3 | | 2 | 2 | 19 | | 6 | 6 |
| 4 | | 1 | 1 | 20 | | 10 | 10 |
| 5 | COG | 4 | 4 | 21 | | 4 | 4 |
| 6 | FOG | 4 | 4 | 22 | | 2 | 2 |
| 7 | FOG | 2 | 2 | 23 | AFC | 1 | 1 |
| 8 | | 4 | 4 | 24 | | 3 | 3 |
| 9 | | 4 | 4 | 25 | | 1 | 1 |
| 10 | | 26 | 26 | 26 | | 1 | 1 |
| 11 | | 10 | 10 | 27 | | 3 | 3 |
| 12 | | 1 | 1 | 28 | | 7 | 7 |
| 13 | OCA | 15 | 15 | 29 | UV | 9 | 9 |
| 14 | | 6 | 6 | 30 | | 1 | 1 |
| 15 | | 4 | 4 | 31 | | 1 | 1 |
| 16 | | 8 | 8 | 32 | | 1 | 1 |

**9**

2-5

**2-5** **t/a**

| | | | | |
|---|---|---|---|---|
| | | | | |
| 1. | IPA | | 2.16 | 1.782 |
| 2. | | | 0.04 | 0.033 |

| | | | | |
|---|---|---|---|---|
| | | | | |
| 3. | 0512-001 | | 0.12 | 0.099 |
| 4. | UV1010G | | 0.144 | 0.1188 |
| 5. | 3523 | | 0.2 | 0.165 |
| 6. | TF-8141B | | 0.3 | 0.2475 |
| 7. | TF-4200EB-75 | | 0.7 | 0.5775 |
| 8. | TSE3996-B | | 0.5 | 0.4125 |
| 9. | SE9187L | | 0.3 | 0.2475 |
| 10. | ECS0601-B | | 0.2 | 0.165 |
| 11. | | | 0.07 | 0.05775 |
| 12. | | | 0.007 | 0.005775 |
| 13. | | | 1200 | 990 |
| 14. | | | 1200 | 990 |

**10**

2-6

**2-6**

| | | | | | |
|---|---|---|---|---|---|
| 1 | | t/a | 4800 | 4800 | |
| 2 | | kwh/a | 48000 | 48000 | |

**11**

16t/d 4800t/a 85%

13.6t/d 4080t/a

2-4 2-7

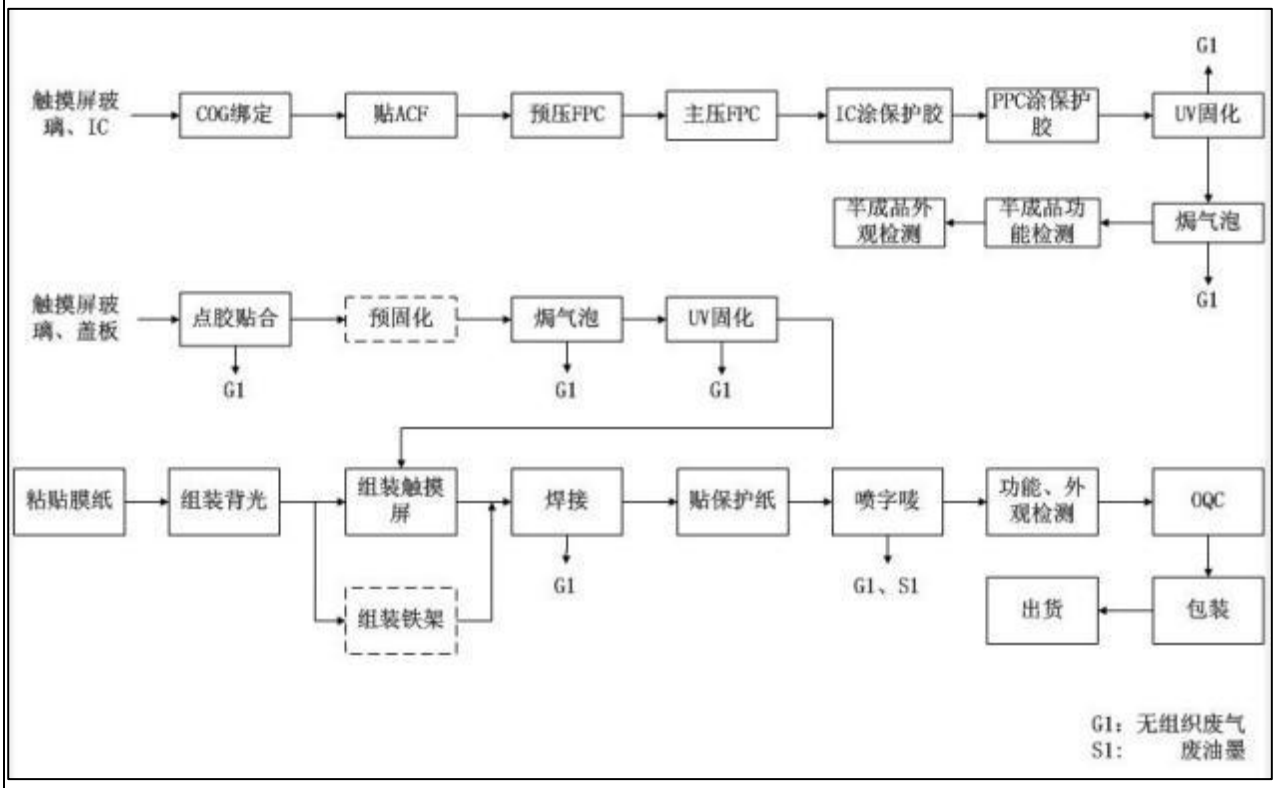
**2-7**

| | | (t/d) | (t/d) | t/d | t/d |
|---|---|---|---|---|---|
| 1 | | 16 | 13.6 | 16 | 13.6 |

t/d

2-4

**12**




2-5

1) COG ITO IC

2) ACF FPC ACF

3) FPC FPC

4) FPC FPC

5) IC ITO IC ITO

6) FPC FPC FPC FPC

7) UV FPC VOCs

8)

**2-8**

| | | | | | |
|---|---|---|---|---|---|
| | | / | | | |
| | | UV | VOCs | | |
| | | | | | |
| | | | COD $BOD_5$ SS $NH_3$-N | | |
| | | | | | |

## 3

**1**

COD $BOD_5$ SS $NH_3$-N

DB44/26-2001

26 3-1

**3-1 26**

**2**

\N©- UV VOCs

4.3 ĸ $10^{-5}$kg/h 3.07 ×

**3-2**

**3**

**4**

6.5t/a 26

0.019t/a

2016 HW49

900-041-49

26 1 2017 11 14

5kg 80%

1 2kg

170m$^2$ 170t

160t

140kg/d 42t/a

3-1

**3-1**

| | | t/a | | | |
|---|---|---|---|---|---|
| | | 42 | | | |
| | | 6.5 | | | |
| | | 0.019 | | | 26 1 |
| | | | | | |

26

26

**3-3 26 1**

4.1-4

-

-

**3-4**

3-5

3-6 26

**4**

**1**

UV VOCs

$4.3 \times 10^{-5}$kg/h 0.307kg/a

DB44/27-2001

GB

18599-2001 GB 18597-2001

GB18597-2001

- HJ2.4-2009

DB44/26-2001

GB/T31962-2015 B

DB44/27-2001 VOCs

DB44/815-2010

GB12523-2011 GB12348-2008

2

Ò 2 0 G ŕ Œ Ţ ţ 12 $ 2

“ ”

“ ”

26 MEMS

2015

## 5

1

2017 10 13 14 26 5-1

**5-1**

| | | | | |
|---|---|---|---|---|
| 1 | W5 | | pH $COD_{Cr}$ $BOD_5$ 18 | 2 4 |

2

UV VOCs

$4.3 \times 10^{-5}$kg/h 0.307kg/a

2017 10 13 16

5-2 5-1

**5-2**

| | | | |
|---|---|---|---|
| 1 | 01# | | |
| 2 | 02# | VOCs | 2 3 |

**5-1**

3

2017 10 13 ~2017 10 14

4

1 2017 10 13 ~10 14

2 5-3

5-2

**5-3**

| | | | | |
|---|---|---|---|---|
| 1# | 26 | 1 | $L_{Aeq}$ | 2 |
| 2# | | 1 | | |
| 3# | | 1 | | |
| 4# | | 1 | | |

**5-2**

4

5

2017 10 13 ~14 1

5-4~ 5-5 5-3 5-4

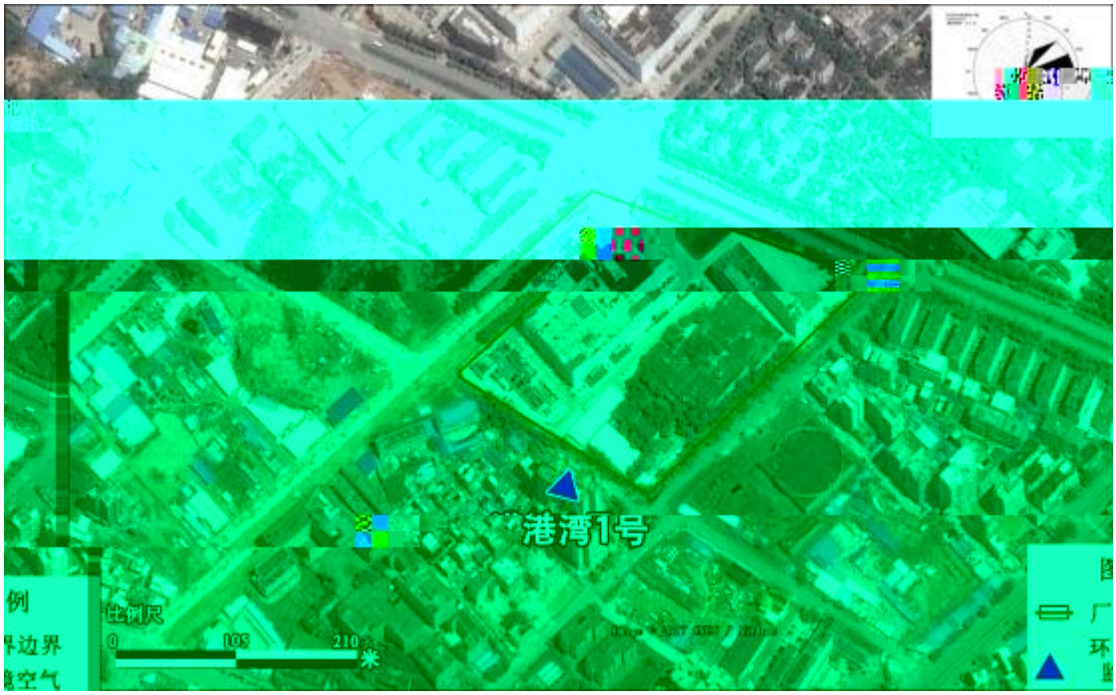
**5-4**

| | | |
|---|---|---|
| 1 | $SO_2$ $NO_2$ $PM_{10}$ $PM_{2.5}$ TSP NOx HCl VOCs | 3 |

**5-5**

| | | | |
|---|---|---|---|
| 5# | 1 | L | |

5-3




5-4

**6**

1

10%

10%

10 1

| | | | | | |
|---|---|---|---|---|---|
| 4 | | HJ 535-2009 | | TU-1810 | 0.025mg/L |

5

**6-2**

| | | | | | |
|---|---|---|---|---|---|
| 1 | | HJ/T 43-1999 | | TU-1810 | 0.7mg/m$^3$ |
| 2 | | HJ 549-2016 | | CIC-260 | 0.2mg/m$^3$ |
| 3 | | HJ 533-2009 | | TU-1810 | 0.25mg/m$^3$ |
| 4 | VOCS | DB 44/815-2010 D | VOCs | GC-2014C | 0.5μg/m$^3$ |
| 5 | | HJ 482-2009 | - | TU-1810 | 0.004mg/m$^3$ ( ) |
| 6 | | HJ 479-2009 | | TU-1810 | 0.003mg/m$^3$ |
| 7 | PM10 | HJ 618-2011 | PM10 PM2.5 | ME | |

**6-4**

| | | | | | |
|---|---|---|---|---|---|
| 1 | | 4 | | | JC2016-6053 |
| 2 | | 5 | | | JC2016-6523 |
| 3 | | 1 | | | JC2017-7301 |
| 4 | | 1 | | | JC2017-7304 |
| 5 | | 4 | | | JC2017-7305 |
| 6 | | 4 | | | JC2017-6548 |
| 7 | | 2 | | | R 2937 |
| 8 | | 2 | | | JC2016-6519 |
| 9 | | 2 | | | JC2016-6170 |
| 10 | | 3 | | | JC2016-6049 |
| 11 | | 2 | | | R 2939 |
| 12 | | 1 | | | JC2016-6520 |
| 13 | | 8 | | | JC2016-6518 |
| 14 | | 2 | | | R 2943 |
| 15 | | 1 | | | JC2017-7300 |
| 16 | | 1 | | | JC2017-7299 |
| 17 | | 2 | | | JC2016-6170 |
| 18 | | 6 | | | JC2015-5505 |
| 19 | | 6 | | | JC2017-6547 |
| 20 | | 3 | | | JC2016-6059 |

**4**

HJ 91-2000

HJ/T 373-2007

6-5~ 6-7

**6-5** **mg/L**

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| | | 2017-10-13 | 2017-10-14 | | |
| 1 | | <4 | <4 | 4mg/L | |
| 2 | | <0.5 | <0.5 | 0.5mg/L | |
| 3 | N | <0.025 | <0.025 | 0.025mg/L | |
| 4 | | <0.01 | <0.01 | 0.01mg/L | |
| 5 | | <0.05 | <0.05 | 0.05mg/L | |
| 6 | | <0.08 | <0.08 | 0.08μg/L | |
| 7 | | <0.67 | <0.67 | 0.67μg/L | |
| 8 | | <0.05 | <0.05 | 0.05 mg/L | |
| 9 | | <0.04 | <0.04 | 0.04μg/L | |
| 10 | | <0.05 | <0.05 | 0.05μg/L | |
| 11 | | <0.004 | <0.004 | 0.004mg/L | |

| | | | | | |
|---|---|---|---|---|---|
| | | 2017-10-13 | 2017-10-14 | | |
| 12 | | <0.09 | <0.09 | 0.09μg/L | |
| 13 | | <0.04 | <0.04 | 0.04μg/L | |
| 14 | | <0.06 | <0.06 | 0.06μg/L | |
| 15 | | <0.01 | <0.01 | 0.01mg/L | |
| 16 | | <0.04 | <0.04 | 0.04mg/L | |
| 17 | | <0.05 | <0.05 | 0.05mg/L | |

**6-6** **mg/L**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 2017-10-13 | | | 2017-10-14 | | | | |
| | | 1 | 2 | | 1 | 2 | | | |
| 1 | | 12.0 | 11.0 | 4.3 | 13.0 | 12.0 | 4.0 | 20 | |
| | | 168 | 159 | 2.8 | 165 | 161 | 1.2 | 10 | |
| 2 | | 3.70 | 3.40 | 4.2 | 3.90 | 3.60 | 4.0 | 20 | |
| | | 45.50 | 44.20 | 1.4 | 45.70 | 44.40 | 1.4 | 20 | |
| 3 | N | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 20 | |
| | | 4.06 | 3.98 | 1.0 | 3.84 | 3.73 | 1.5 | 10 | |
| 4 | | 0.04 | 0.04 | 0 | 0.04 | 0.03 | 14 | 10 | |
| | | 0.30 | 0.29 | 2 | 0.33 | 0.26 | 12 | 10 | |
| 5 | | 0.95 | 0.92 | 1.6 | 1.32 | 1.1 | 9.1 | 1.0<br>10%<br>1.0<br>5% | |
| | | 20.20 | 19.80 | 1.0 | 19.50 | 18.40 | 2.9 | 10 | |
| 6 | | ND | ND | 0.0 | ND | ND | 0.0 | 25 | —— |
| | | ND | ND | 0.0 | ND | ND | 0.0 | 25 | —— |
| 7 | | ND | ND | 0.0 | ND | ND | 0.0 | 15 | —— |
| | | ND | ND | 0.0 | ND | ND | 0.0 | 15 | —— |
| 8 | | 0.59 | 0.58 | 0.9 | 1.35 | 1.30 | 1.9 | —— | |
| | | 0.68 | 0.65 | 2.3 | 1.40 | 1.37 | 1.1 | —— | |
| 9 | | ND | ND | 0.0 | ND | ND | 0.0 | 30 | —— |
| | | ND | ND | 0.0 | ND | ND | 0.0 | 30 | —— |
| 10 | | ND | ND | 0.0 | ND | ND | 0.0 | 20 | —— |
| | | ND | ND | 0.0 | ND | ND | 0.0 | 20 | —— |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 15 | — |
| | | | | | | | | | 15 | — |
| | | | | | | | | | 30 | — |
| | | | | | | | | | 30 | — |
| | | | | | | | | | — | — |
| | | | | | | | | | — | — |
| | | | | | | | | | — | — |
| | | | | | | | | | — | — |
| | | | | | | | | | 0.05<br>25%<br>0.05<br>15% | |
| | | | 0.12 | 0.10 | 9.1 | ND | ND | 0.0 | 1.0<br>15%<br>0.05<br>1.0 10% | |

16

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 2017-10-13 | | 2017-10-14 | | |
| 6 | | 0.828 | 0.810±0.038 | 0.816 | 0.810±0.038 | |
| | | 0.825 | 0.810±0.038 | 0.823 | 0.810±0.038 | |
| 7 | | 1.81 | 1.77±0.08 | 1.77 | 1.77±0.08 | |
| | | 1.75 | 1.77±0.08 | | | |

**6-8**

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | % | | % | % | | % | | | % |
| 1 | VOCS | | 76 | 6 | 100 | / | / | / | / | / | / | / | / |
| | | | | / | / | 4 | 5.2 | 0.22 0.28 | 4 | 100 | / | / | |
| | | | | / | / | / | / | / | / | / | / | / | |
| 2 | | | 9 | 6 | 100 | / | / | / | / | / | | | |
| | | | | / | / | / | / | / | / | / | / | / | |
| | | | | / | / | / | / | / | / | / | / | / | |
| 3 | | | 9 | 6 | 100 | / | / | / | / | / | 3 | 100 | |
| | | | | / | / | / | / | / | / | / | / | / | |
| | | | | / | / | / | / | / | / | / | / | / | |
| 4 | | | 83 | 7 | 100 | / | / | / | / | / | 6 | 100 | |
| | | | | / | / | / | / | / | / | / | / | / | |
| | | | | / | / | / | / | / | / | / | / | / | |
| 5 | | | 24 | 4 | 100 | / | / | / | / | / | / | / | |
| | | | | / | / | / | / | / | / | / | / | / | |
| | | | | / | / | / | / | / | / | / | / | / | |

6

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | % | | % | % | | % | | % |
| | | | | | | | | | | | | 100 |
| | | | | / | / | / | / | / | / | / | / | / |
| | | | | / | / | / | / | / | / | / | / | / |
| 8 | | | 83 | 10 | 100 | / | / | / | / | / | 6 | 100 |
| | | | | / | / | / | / | / | / | / | / | / |
| | | | | / | / | / | / | / | / | / | / | / |
| 9 | | | 36 | 4 | 100 | / | / | / | / | / | / | / |
| | | | | / | / | / | / | / | / | / | / | / |
| | | | | / | / | / | / | / | / | / | / | / |

**6-9**

| | | | | | |
|---|---|---|---|---|---|
| | 2017-10-14 | 2017-10-15 | 2017-10-16 | | |
| PM2.5/PM10/TSP | 0.00002 | 0.00002 | 0.00003 | 0.0004g | |
| | 0.00003 | 0.00002 | 0.00002 | | |
| | 0 | 0 | - | 1ng/m$^3$ | |
| | 0 | 0 | - | | |
| | ND | ND | ND | 0.004mg/m³ | |
| | ND | ND | ND | | |
| | ND | ND | ND | 0.003mg/m³ | |
| | ND | ND | ND | | |
| | ND | ND | ND | | |
| | ND | ND | ND | | |
| | - | ND | - | 0.7mg/m³ | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| | 2017-10-14 | 2017-10-15 | 2017-10-16 | | |
| | ND | ND | ND | 0.001mg/m³ | |
| | ND | ND | ND | | |
| | - | ND | - | 0.2mg/m³ | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | ND | ND | ND | 0.06mg/m³ | |
| | ND | ND | ND | | |
| | - | ND | - | 0.9μg/m³ | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | 0.2mg/m³ | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | - | ND | - | | |
| | | | | 0.25mg/m³ | |

**6-10** **mg/m$^3$**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | 2017-10-16 | | | | | |
| | | | | | | | |
| 1 | VOC | 4 | 0.545 | 0.542 | 0.28 | - | |
| | | | 22.9 | 22.8 | 0.22 | - | |

**6-11** **mg/m$^3$**

| | | | |
|---|---|---|---|
| | | | |
| | 2017-10-13 | 2017-10-14 | |

**6-12**

| | | | | | | |
|---|---|---|---|---|---|---|
| / | | | | | | |
| 2017.10.13 | | | | | | |
| LD127 ZM-CS-026■<br>Gilian Gilibrator2 ZM-CS-193■ | | | | | | |
| / | | | | | | |
| | | L/min | L/min | % | % | |
| 3012H | ST/XC-01-02 | 20 | 20.39 | 1.95 | ±2.5 | ■ □ |
| | | 40 | 40.82 | 2.05 | | ■ □ |
| | | 50 | 50.98 | 1.96 | | ■ □ |
| 3012H | ST/XC-01-03 | 20 | 20.43 | 2.15 | | ■ □ |
| | | 40 | 40.83 | 2.08 | | ■ □ |
| | | 50 | 50.91 | 1.82 | | ■ □ |
| 3012H | ST/XC-01-04 | 20 | 20.41 | 2.05 | | ■ □ |
| | | 40 | 40.84 | 2.1 | | ■ □ |
| | | 50 | 50.96 | 1.92 | | ■ □ |
| 3012H | ST/XC-01-05 | 20 | 20.42 | 2.1 | | ■ □ |
| | | 40 | 40.82 | 2.05 | | ■ □ |
| | | 50 | 51.02 | 2.04 | | ■ □ |
| / | | | | | | |
| | | L/min | L/min | % | % | |
| TH-110F | 91 | 0.2 | 0.197 | -1.5 | ±5/±2.5 | ■ □ |
| | 91 | 0.5 | 0.49 | -2 | | ■ □ |
| | 91 | 1 | 0.98 | -2 | | ■ □ |
| TH-110F | 90 | 0.2 | 0.196 | -2 | | ■ □ |
| | 90 | 0.5 | 0.491 | -1.8 | | ■ □ |
| | 90 | 1 | 0.981 | -1.9 | | ■ □ |
| TH-110F | 112 | 0.2 | 0.196 | -2 | | ■ □ |
| | 112 | 0.5 | 0.492 | -1.6 | | ■ □ |
| | 112 | 1 | 0.988 | -1.2 | | ■ □ |
| TH-110F | 113 | 0.2 | 0.197 | -1.5 | | ■ □ |
| | 113 | 0.5 | 0.491 | -1.8 | | ■ □ |
| | 113 | 1 | 0.981 | -1.9 | | ■ □ |
| TH-110F | 272 | 0.2 | 0.196 | -2 | | ■ □ |
| | 272 | 0.5 | 0.49 | -2 | | ■ □ |
| | 272 | 1 | 0.989 | -1.1 | | ■ □ |
| TH-110F | 273 | 0.2 | 0.197 | -1.5 | | ■ □ |
| | 273 | 0.5 | 0.491 | -1.8 | | ■ □ |
| | 273 | 1 | 0.988 | -1.2 | | ■ □ |
| TH-110F | 274 | 0.2 | 0.197 | -1.5 | | ■ □ |
| | 274 | 0.5 | 0.491 | -1.8 | | ■ □ |
| | 274 | 1 | 0.983 | -1.7 | | ■ □ |
| TH-110F | 281 | 0.2 | 0.197 | -1.5 | | ■ □ |
| | 281 | 0.5 | 0.49 | -2 | | ■ □ |
| | 281 | 1 | 0.981 | -1.9 | | ■ □ |

## 6-13

| | | | | | | |
|---|---|---|---|---|---|---|
| / | | | | | | |
| 2017.10.14 | | | | | | |
| LD127 ZM-CS-026■<br>GilianGilibrator2 ZM-CS-193■ | | | | | | |
| / | | | | | | |
| | | L/min | L/min | % | % | |
| 3012H | ST/XC-01-02 | 20 | 20.49 | 2.45 | ±2.5 | ■ □ |
| | | 40 | 40.92 | 2.3 | | ■ □ |
| | | 50 | 51.08 | 2.16 | | ■ □ |
| 3012H | ST/XC-01-03 | 20 | 20.46 | 2.3 | | ■ □ |
| | | 40 | 40.93 | 2.33 | | ■ □ |
| | | 50 | 51.01 | 2.02 | | ■ □ |
| 3012H | ST/XC-01-04 | 20 | 20.45 | 2.25 | | ■ □ |
| | | 40 | 40.88 | 2.2 | | ■ □ |
| | | 50 | 50.99 | 1.98 | | ■ □ |
| 3012H | ST/XC-01-05 | 20 | 20.46 | 2.3 | | ■ □ |
| | | 40 | 40.89 | 2.23 | | ■ □ |
| | | 50 | 51.08 | 2.16 | | ■ □ |
| / | | | | | | |
| | | L/min | L/min | % | % | |
| TH-110F | 91 | 0.2 | 0.196 | -1.6 | ±5/±2.5 | ■ □ |
| | 91 | 0.5 | 0.489 | -1.9 | | ■ □ |
| | 91 | 1 | 0.978 | -1.8 | | ■ □ |
| TH-110F | 90 | 0.2 | 0.196 | -1.9 | | ■ □ |
| | 90 | 0.5 | 0.488 | -2 | | ■ □ |
| | 90 | 1 | 0.977 | -1.6 | | ■ □ |
| TH-110F | 112 | 0.2 | 0.196 | -1.7 | | ■ □ |
| | 112 | 0.5 | 0.489 | -1.8 | | ■ □ |
| | 112 | 1 | 0.981 | -1.3 | | ■ □ |
| TH-110F | 113 | 0.2 | 0.196 | -1.6 | | ■ □ |
| | 113 | 0.5 | 0.49 | -1.7 | | ■ □ |
| | 113 | 1 | 0.98 | -1.8 | | ■ □ |
| TH-110F | 272 | 0.2 | 0.196 | -1.9 | | ■ □ |
| | 272 | 0.5 | 0.489 | -1.9 | | ■ □ |
| | 272 | 1 | 0.983 | -1.2 | | ■ □ |
| TH-110F | 273 | 0.2 | 0.196 | -1.4 | | ■ □ |
| | 273 | 0.5 | 0.488 | -1.9 | | ■ □ |
| | 273 | 1 | 0.978 | -1.5 | | ■ □ |
| TH-110F | 274 | 0.2 | 0.196 | -1.6 | | ■ □ |
| | 274 | 0.5 | 0.489 | -1.9 | | ■ □ |
| | 274 | 1 | 0.981 | -2 | | ■ □ |
| TH-110F | 281 | 0.2 | 0.197 | -1.5 | | ■ □ |
| | 281 | 0.5 | 0.489 | -2.2 | | ■ □ |
| | 281 | 1 | 0.979 | -2.1 | | ■ □ |

| | | L/min | L/min | % | % | |
|---|---|---|---|---|---|---|
| QC-1S | 119 | 0.2 | 0.196 | -2 | | ■ □ |
| | 119 | 0.5 | 0.488 | -2.4 | | ■ □ |
| | 119 | 1 | 0.977 | -2.3 | | ■ □ |
| QC-1S | 120 | 0.2 | 0.196 | -2 | | ■ □ |
| | 120 | 0.5 | 0.489 | -2.2 | | ■ □ |
| | 120 | 1 | 0.978 | -2.2 | | ■ □ |
| QC-1S | 121 | 0.2 | 0.196 | -2 | | ■ □ |

± 5/±2.5

**6**

0.5dB A

6-14

**6-14** /

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | dB(A) | |
| | 2017-10-13 | | | | | 2017-10-14 | | | | | | |
| | dB(A) | dB(A) | dB(A) | dB(A) | dB(A) | dB(A) | dB(A) | dB(A) | dB(A) | dB(A) | | |
| AWA5668 | 94.0 | 93.7 | -0.3 | 93.7 | -0.3 | 94.0 | 93.9 | -0.1 | 93.9 | -0.1 | ≤±0.5 | |

AWA5688

# 7

**7-2** **mg/L pH**

| | | | pH | COD | $BOD_5$ | N | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| W5 | 2017.10.13 | | 8.49 | 160 | 46.4 | 3.98 | 0.30 | 19.8 | $0.08\times10^{-3}$L | $0.67\times10^{-3}$L | 1.41 |
| | | | 8.41 | 151 | 44.8 | 3.90 | 0.33 | 19.2 | $0.08\times10^{-3}$L | $0.67\times10^{-3}$L | 1.29 |
| | | | 8.38 | 165 | 46.3 | 3.95 | 0.26 | 20.9 | $0.08\times10^{-3}$L | $0.67\times10^{-3}$L | 1.44 |
| | | | 8.45 | 162 | 45.7 | 4.01 | 0.34 | 19.2 | $0.08\times10^{-3}$L | $0.67\times10^{-3}$L | 1.51 |
| | | | 8.43 | 159.5 | 45.8 | 3.96 | 0.31 | 19.8 | 0.00004 | 0.0003 | 1.41 |
| | 2017.10.14 | | 8.28 | 154 | 45 | 3.92 | 0.30 | 18.4 | $0.08\times10^{-3}$L | $0.67\times10^{-3}$L | 1.57 |
| | | | 8.43 | 161 | 44.8 | 4.15 | 0.32 | 20.8 | $0.08\times10^{-3}$L | $0.67\times10^{-3}$L | 1.37 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| W5 | 2017.10.13 | | $0.04\times10^{-3}$L | $0.05\times10^{-3}$L | 0.004L | $0.09\times10^{-3}$L | $0.04\times10^{-3}$L | $0.06\times10^{-3}$L | 0.01L | 0.84 | 0.05L |
| | | | $0.04\times10^{-3}$L | $0.05\times10^{-3}$L | 0.004L | $0.09\times10^{-3}$L | $0.04\times10^{-3}$L | $0.06\times10^{-3}$L | 0.01L | 0.24 | 0.052 |
| | | | $0.04\times10^{-3}$L | $0.05\times10^{-3}$L | 0.004L | $0.09\times10^{-3}$L | $0.04\times10^{-3}$L | $0.06\times10^{-3}$L | 0.01L | 0.74 | 0.054 |
| | | | $0.04\times10^{-3}$L | $0.05\times10^{-3}$L | 0.004L | $0.09\times10^{-3}$L | $0.04\times10^{-3}$L | $0.06\times10^{-3}$L | 0.01L | 0.92 | 0.05L |
| | | | 0.00002 | 0.00003 | 0.002 | 0.00005 | 0.00002 | 0.00003 | 0.01 | 0.69 | 0.04 |
| | 2017.10.14 | | $0.04\times10^{-3}$L | $0.05\times10^{-3}$L | 0.004L | $0.09\times10^{-3}$L | $0.04\times10^{-3}$L | $0.06\times10^{-3}$L | 0.01L | 0.88 | 0.05L |
| | | | $0.04\times10^{-3}$L | $0.05\times10^{-3}$L | 0.004L | $0.09\times10^{-3}$L | $0.04\times10^{-3}$L | $0.06\times10^{-3}$L | 0.01L | 0.99 | 0.054 |
| | | | $0.04\times10^{-3}$L | $0.05\times10^{-3}$L | 0.004L | $0.09\times10^{-3}$L | $0.04\times10^{-3}$L | $0.06\times10^{-3}$L | 0.01L | 1.03 | 0.05L |
| | | | $0.04\times10^{-3}$L | $0.05\times10^{-3}$L | 0.004L | $0.09\times10^{-3}$L | $0.04\times10^{-3}$L | $0.06\times10^{-3}$L | 0.01L | 0.86 | 0.057 |
| | | | 0.00002 | 0.00003 | 0.002 | 0.00005 | 0.00002 | 0.00003 | 0.01 | 0.94 | 0.04 |
| | | | 0.00002 | 0.00003 | 0.002 | 0.00005 | 0.00002 | 0.00003 | 0.01 | 0.81 | 0.04 |
| DB44/26-2001 | | | 0.05 | 0.1 | 0.5 | 1.0 | 0.5 | 1.0 | 2.0 | 20 | 20 |
| | | | | | | | | | | | |



**L**

a

7-3

**7-3**

| | | | | | |
|---|---|---|---|---|---|
| | | | | TVOC | |
| | | mg/m$^3$ | | | |
| 2017-10-13 | 1# | 0.112 | $7.69\times10^{-5}$ | 0.15 | 10 |
| | 2# | 0.448 | $1.17\times10^{-3}$ | 0.38 | 13 |
| | 3# | 0.392 | $9.65\times10^{-5}$ | 0.37 | 14 |
| | 4# | 0.467 | $1.11\times10^{-3}$ | 0.36 | 11 |
| 2017-10-13 | 1# | 0.093 | $5.93\times10^{-5}$ | 0.14 | 10 |
| | 2# | 0.504 | $7.69\times10^{-5}$ | 0.36 | 15 |
| | 3# | 0.429 | $1.07\times10^{-3}$ | 0.33 | 13 |
| | 4# | 0.448 | $1.30\times10^{-3}$ | 0.38 | 12 |

2017-10-13

1 2# 3# 4#
2

DB44/27-2001 VOCs

(DB44/815-2010)

GB14554-93 1

7-4

**7-4** **dB(A)**

| | | | | | |
|---|---|---|---|---|---|
| | | 2017 10 13 | 2017 10 14 | | |
| 1# | | 58 | 58 | 60 | |
| | | 49 | 48 | 50 | |
| 2# | | 59 | 58 | 60 | |
| | | 48 | 48 | 50 | |
| 3# | | 57 | 56 | 60 | |
| | | 48 | 46 | 50 | |
| 4# | | 59 | 59 | 60 | |
| | | 48 | 47 | 50 | |

GB12348-2008 2

φ

**a** **1**

1 7-5

**7-**

# 8

**1**

“ ”

TDD5

2017 8 7

TDD5

2017 175 2017 4

8 2017 6 12

4415022012000010

**2**

**8-1**

| | | |
|---|---|---|
| | | |
| | | |
| | | |
| UV<br>VOCs | | |
| GB18597-2001<br>GB18599-2001<br>GB18599-2001 3<br>2013 36 | 1 1<br>2016<br>HW49<br>900-041-49<br>2<br>3 | |
| | | |
| | | |

**3**

2017 10

82.5%

**a**

(DB44/26-2001)

**b**

DB44/27-2001 VOCs

(DB44/815-2010)

GB14554-93 1

**c**

GB12348-2008 2

**d**

26 1

**4**

2017 10 13 ~15 1

10 13~14

1 $SO_2$ $NO_2$ $NO_X$ $PM_{2.5}$ $PM_{10}$ TSP

GB3095-2012 TJ36-79

TVOC (GB/T18883-2002)

1 GB3096-2008 2

**5**

**6**

TDD5

“ ”

“ ”

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |
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