15315389727

271600

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.

(2018 9)

2021 11 22 2021 12 02 2022 3 21 3 22

( ) 35000

2010.68 74667m^2 1#

2#

2022 5

2022 5

1 (2015 1 1)

2 (2018)

3 (2018 10 26)

4 (2017 2018 1 1)

5 (2018 12 29
)

6 (2018 8 31 2019
1 1)

7 (2020 4 29
2020 9 1)

8 (2011 3 1)

9 (2012 7 1)

10 (2018 10 26)

11 ([2017] 682
2017 10 1)

12 (591 2013)

13 2021
2022 2 8

14 32 (2015.4.16)

15 ([2017]4)

16 ( ) (48 2018 1 10
)

17 < > ([2016]186)

18 (
2016 81)

19

2021 70

20 < >

(2019 146)

21 < >

([2020]4)

22 (

[2018]5 2018 1)

23 (

[2018]34 2018 3)

24 (

[2021]58 2021 7)

25 (

2018 6)

26 < ( )> (

[2020]688)

27 (

2016 141)

28

([2021]70)

29 < > (2018

1 23)

30 < > (

2017 452)

31 (

[2021]58)

1 (2018 9

)

2 (2018 11 30)

3 (HJ2000-2011)

4 (HJ2015-2012)

5 (HJ2034-2013)

6 (HJ2035-2013)

7 (HJ2025-2012)

8 (GB18218-2018)

9 (GB/T13201-91)

10 < > (
[2010]113)

11 (2019) (11)

12 < > (
2017 452)

13 (HJ942-2018)

14 (2021 3 1)

15 (DB37/T3535-2019)

16 (HJ 819-2017)

17 (HJ 1087-2020)

18
(HJ1116-2020)

1

2

3

1 (
370911-2022-003-M)

2 (ZZHJA21-0243-01-01 ZZHJA21-0243-01-02
ZZHJA21-0243-02-01 ASRTHJ-2022031501)

3 (91370000863056413H002V)

4

5

65227.5m^2 36.025N 117.071E

3.1-1

3.1-1 3.1-2

			(m)	
1		S	560	
2		SW	900	
3		NE	1500	
4		SW	1700	
5		SE	2200	
6		NNE	2400	
7		ESE	2500	
8		SW	2600	
9		SW	2700	
10		S	2800	
11		SSW	3000	
12		SSW	3000	
13		NE	3000	
14		NE	3000	
15		WSW	3200	
16		NE	3200	

2 3

1#

2# 3# 4# ( )

3.1-3

630m^2

1050m^2

3.1-4

1

1		/	5500	20-70%	
2	PVAC	/	3000	30-70%	
3		/	1000	30-70%	1045 /
4		/	3000	30-50%	3030 /
5		/	1500	20-60%	
6		/	2000	30-70%	
7		/	2500	40-50%	
8		/	1000	30-200	
9		/	3000	5-70%	
		/	22500	--	--
1		/	60	99.95%	
2		/	10	99.9%	

2

(Q/TSBXJRJ001-2019)

			(%)	(um)(Dav)	(mPa.s/25)
1			20-70	0.05-6	0-20000
2	PVAC		30-70	0.1-10	0-20000
3			30-70	0.1-10	0-20000
4			30-50	0.1-8	0-10000
5			20-60	0.1	0-20000
6			30-70	0.1-10	0-20000
7			40-50	0.1-10	0-20000
8			5-70	--	0-3000

				(um) /%				
			( )	355	250	150	75	
9			90-130	1.0	30	40	40	10

1	(PT)	(GB/T 1419-2015)		99.95%
2	(RH)	(GB/T 1421-2004)		99.9%

107 20 87

240 8 5760

1# 2#

3.2-3

3 2000 2500

1# 1500 --

(5500)

3 PVAC (3000) 2

1000 3000 1045 2 3000

2# 1000 2 (3030

3000) 3.5

1 10

60 --

(1 3 732m² --

)

1 4 735m²

0

×

		1 2 396m² 5268.615KW	1 3 418m² 6800.795KW	
		1 1 262.5m²		--
	1#	1 1 5764.5m²		--
	2#	1 1 1460m²		--
	3#	1 1 624m²		--
	4#	1 1 624m²		--
		1 1 4# 96m²		--
		903m² 2 80m³ 1 80m³ 1 80m³ 1 80m³ 1 80m³25% 4 80m³ 1m 1.2m 43m 21m		--
		--	21.05m	
		45404.08t/a	30987.5m³/a	

673 1 2 2 1t/h

300 1

6362t/a PVAC

1194.12 kwh/a

1105.33 kwh/a

230.4 m^3/a 205.2

m^3/a

1 1# + +

1 25m 0.5m (P1)

2 2# + +

1 25m 0.5m (P2)

3 2# 1 25m WDY "° ø Ÿ P DHCuw Ã

0.5m (P2)

4 + 1

25m , . m , m o

6

		3 1m			43m 21m 1.2m						
		34	18	3	1836m			22 2300m^3	20	5.3	
		24	21	3	1512m						--
		34	17	3 m^3/h	1734m	310		20 1200m	12	5 310m^3/h	

(1)

2021 9 2022 1 (5)

3.3-1

						(5)		
1			99%		2370	1045	2350.2	
2			50-100%		100	42.5	96	
3			60-100%		400	175.5	395	
4			99%		150	64.5	145	
5			99%		200	90	200.6	
6			99%		100	45.5	100	
7			99%		50	20	45	
8			99%		50	20	45	
9			99%		20	9.25	20.8	
10			99%		10	4.45	10	
11			99%		5	2.22	5	
						(5)		
1			99.98%		1300	600	1350	
2			99.98%		130	60	135	
3			99.98%		60	28.9	65	
4			99.98%		2	0.89	2	
5			99.98%		3	1.3	3	
6			99.99%		1	0.55	1.2	
7	( )		99.98%		4	2.25	5	
8			99.8%		5	2.4	5.5	
9			99.8%		3	1.4	3.2	
10	N-		99.8%		3	1.4	3.2	
11			99.98%		15	7.45	16.8	

						(5)		
1			99.98%		500	215	516	
2			99.98%		1	0.5	1.2	
3			99.99%		1	0.5	1.2	
4			99.98%		4	1.7	4.1	
5			99.8%		3	1.3	3.1	
6			99.99%		1	0.5	1.2	
7			99.8%		1	0.5	1.2	
8			99.98%		5	2.2	5.3	
9			98%		100	43	103.2	
						(5)		
1			99.98%		800	350	840.0	
2			99.98%		290	122	292.8	
3			99.98%		120	51	122.4	
4			99.98%		8	3.4	8.2	
5			99.98%		3	1.3	3.1	
6			99.99%		2	0.9	2.2	
7			99.98%		6	2.7	6.5	
8			99.8%		7	3.0	7.2	
9			99.8%		6	2.6	6.2	
10	N-		99.8%		7	3.0	7.2	
11			98%		2	0.9	2.2	
						(5)		
1			99%		600	245	551.25	
2			99%		30	11.55	26	
3			99%		70	26	58.5	
						(5)		
1	A		99%		200	95	213.75	

2			99%		100	55	123.75	
3			99%		300	130	292.5	
4	1,2-		99%		100	48	108	
5			99%		200	85	204	
6			99%		100	50	112.5	
						(5)		
1			99.96%		100	38	85.5	
2			99.96%		180	74.5	167.625	
3			99.96%		50	20.5	46.125	
4			99.8%		200	76.5	172.125	
5			99.96%		180	75	168.75	
6			98%		5	2	4.5	
7			99.3%		7	2.9	6.525	
8			99.5%		50	20	45	
9			99.5%		50	20	45	
10	1,4-		99.5%		50	20	45	
11			99.8%		8	3.4	7.65	
12			80%		20	8.5	19.125	
13			99%		100	38	85.5	
						(5)		
1	A		99%		700	330	742.5	
2			99%		100	42	100.8	
3			99%		250	114	256.5	
						(5)		
1			40%-50%		1050	500	1125	
2			40%-50%		1050	500	1125	
3			25%		130	55	132	

						(5)		
1					10	4	9.6	
2			31%		20.915	8.5	20.4	
3			65%		2.5	1	2.4	
4			99.6%		12.5	5	12	
5			40%		18.4125	7.5	18	
6			99.5%		53.5	22	52.8	
7			99%		65	27	64.8	
8			88%		12.5	5	12	
9			99.99%		1	0.4	0.96	

(2)

	( )	(m)	(m)	(m^3/)		/ (mm)	(t)			
	2	4	6.5	80	0.8	DN50	119			
	1	4	6.5	80	0.8	DN50	58		1m	
	1	4	6.5	80	0.8	DN50	57		1.2m	
	1	4	6.5	80	0.8	DN50	60		43m	
25%	1	4	6.5	80	0.8	DN50	60		21m	
	1	2.5	10	21.05	0.9	DN40	17		--	

1

30987.5m^3/a

(1)

9840m³/a(41.0m³/d)

2 1t/h

26.8m³/d 6432m³/a

310m³/h

0.145%

0.45m³/h 10.8m³/d 2592m³/a

2

3t/h 75%

78.6m³/d

25152m³/a(104.8m³/d)

10m³/a 40%

0.1m³/a

4m³/ (0.2m³/d) 48m³/a

29m³/ 6960m³/a 5400m³/a

1560m³/a

(

) 1m³/d 240m³/a

1# 2#

2 5m³/ 240m³/a

+ 6

300m^3/a 0.5m^3/

15m^3/a 555m^3/a

(2)

107 6.4m^3/d 1536m^3/a

(3)

5243 7.86m^3/d 1886.4m^3/a

2

14866.9m^3/a

( )

(1)

32m^3/a pH COD

BOD_5 SS 35.8m^3/a pH

( )

45.6m^3/a(0.19m^3/d)

pH COD BOD_5 SS

( )

5568m^3/a

pH COD BOD_5 SS

( )

0.8m^3/d 192m^3/a

pH COD BOD_5 SS

( )

444m^3/a

pH COD BOD_5 SS

( )

12t/a

345.6m^3/a COD BOD_5 SS

( )

0.12m^3/h

2.88m^3/d 691.2m^3/a

( )

6288m^3/a

( )

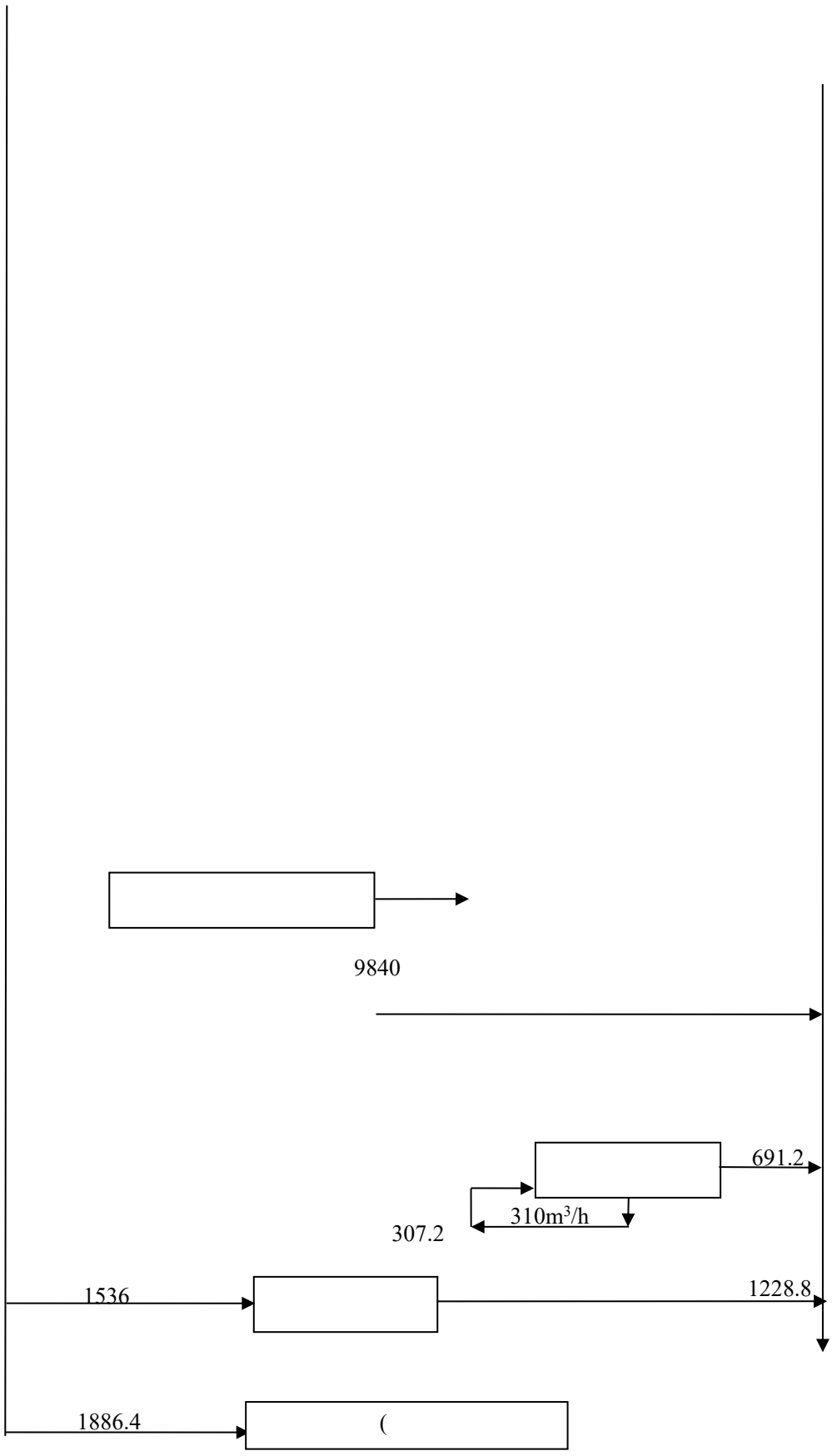
(2)

5.1m^3/d 1224m^3/a COD BOD_5

SS

( )

3.4-1


9840
691.2
310m3/h
307.2
1536
1228.8
1886.4
(

3.4.2

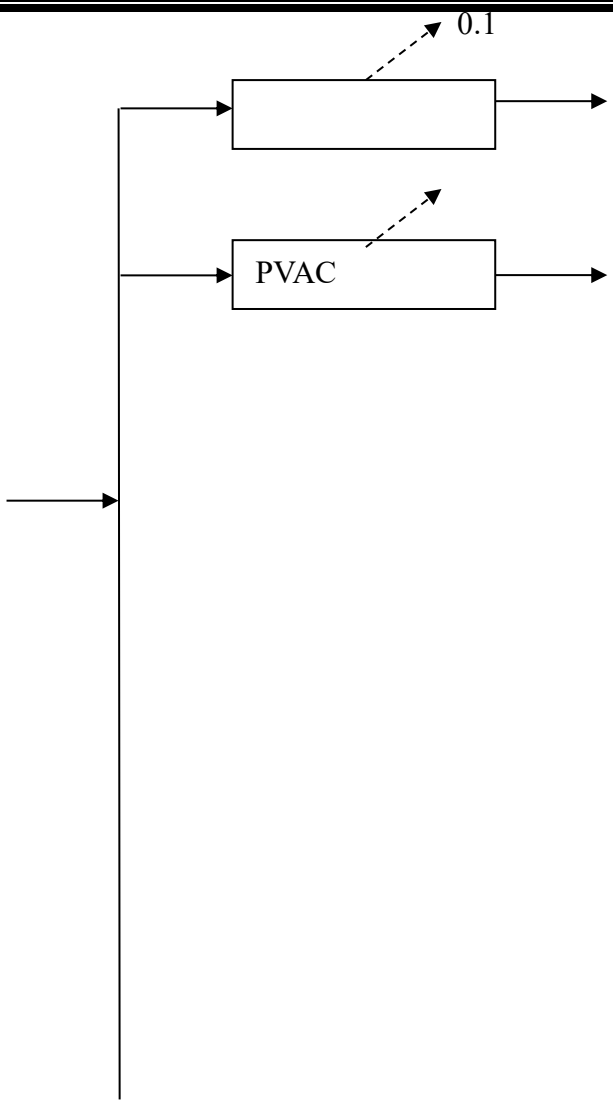
1105.33 KWh

1 R22

-20 -15

300

			(t/d)
		130	--
1		100	1
		130	--
		85	1.5
2	PVAC	85	1.5
		85	1
3		85	1
		85	
4			



1 310m^3/h 25

30

1

A B C A B

C 2 A B

C

A B C 2

3

PVAC

PVAC 4

1

1 3T

3.5-1 3.5-2

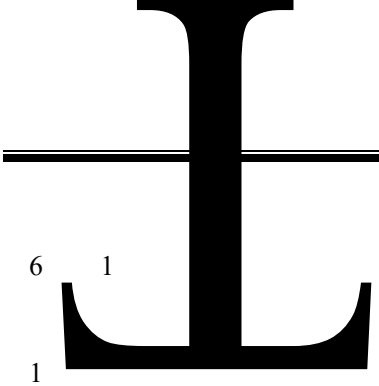
			(h/)		(h/)		
			8-11	11	4-6	5	--
	65-90		11-15	17	8-12	13	
	65-90			3		2	
	40-90			2		1	40
	40		2-3	3	1-2	2	--
				1		1	( )
				10		8	
				8		6	HW13 265-103-13
			28.8	55	19..2	38	

			( )	( )	(h)	(t)	(t)	(h/a)
PVAC		5	1	200	28.8	5	1000	5760
		10	1	300	19.2	10	3000	5760

			( )	( )	(h)	(t)	(t)	(h/a)
PVAC		5	2	209	55	5	1045	5760
		10	2	303	38	10	3030	5760

3.5-1

1		6T		3		
2		1T		1		
3		2T		1		
4		12T		2		
5		6T		1		
6	( )	1T		2		
7		2T		1		
8		4T		3		
9		50T		2		3
10		2T		4		
	PVAC					
1	3	3T		1		
2	1	1T		2		
3	2	2T		2		
4	300L	300L		2		
5	300L	300L		2		
10	3	3T		1		
11	5	5T		2		
12	2	2T		2	PVAC	
13	3	2T		1		0
14	4	4T		1		2
15	300L	300L		1		2
16	300L	300L		1		2
17	300L	300L		1		2
18	300L	300L		1		2
1	5	5T		1		2
2	2	1T		1		2
3	3	2T		1		2
4	300L	300L		1		2
5	300L	300L		1		2

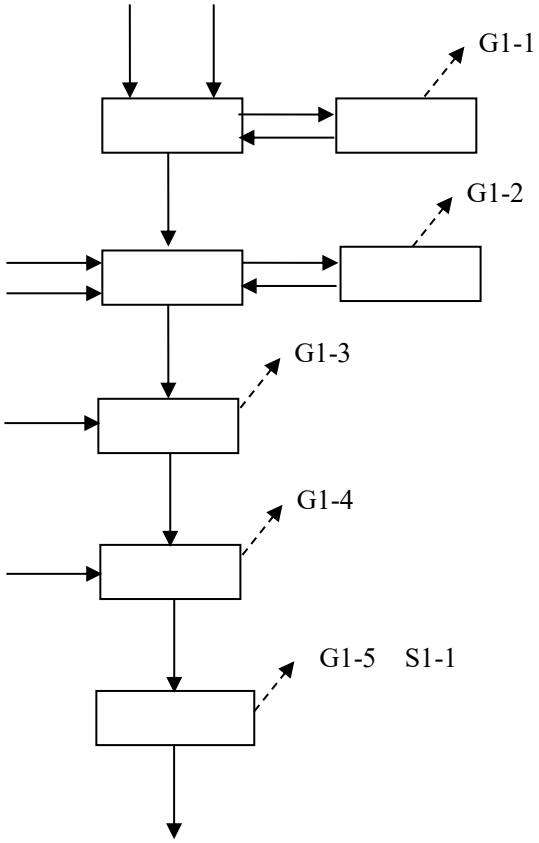


6	1	1T	1		2
1		10T	1		2
2	3	3T	1		2
3	7	7T	1		2
4	600L	600L	1		2
5	600L	600L	1		2
6	200L	200L	1		2
7		100L	1		2
1		3T	1		
2		2T	1		
3		4T	1		
1		6T	4		
2		4T	2		
3		12T	1		
4		3T	3		
5		--	2 ( )	--	1
1		3T	2		
2		4T	1		
3		3T	2		3
4		0.5T	2		
5		1T	4		
1		4T	3		
2		2T	1		
3		0.5T	2		
4		0.5T	2		
5		--	2 ( )	--	1

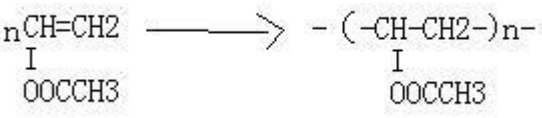
3		6T ( )		1		
1		1.95		1		
2		500L		4		
3	PVC			2		
1		500L		2		
2	PVC			1		
1		50KW		2		
		40KW		1		

5500 / PVAC 3000 / 1045 / 3030 / 1500 / 2000 / 2500 / 1000 / 3000 / 0.06 / 0.01 /

▶



						/
	G1-1					
	G1-2					+ +
	G1-3					25m (P1)
	G1-4					
	G1-5					
	S1-1			HW13 265-103-13		

		
	$CH_2=CHOOCCH_3$	$[CH_3COOCH_2CH]_n$
	86.09	2 -10
	( )	
	( ) ( )	
	N-	

PVAC

(1)

(2)

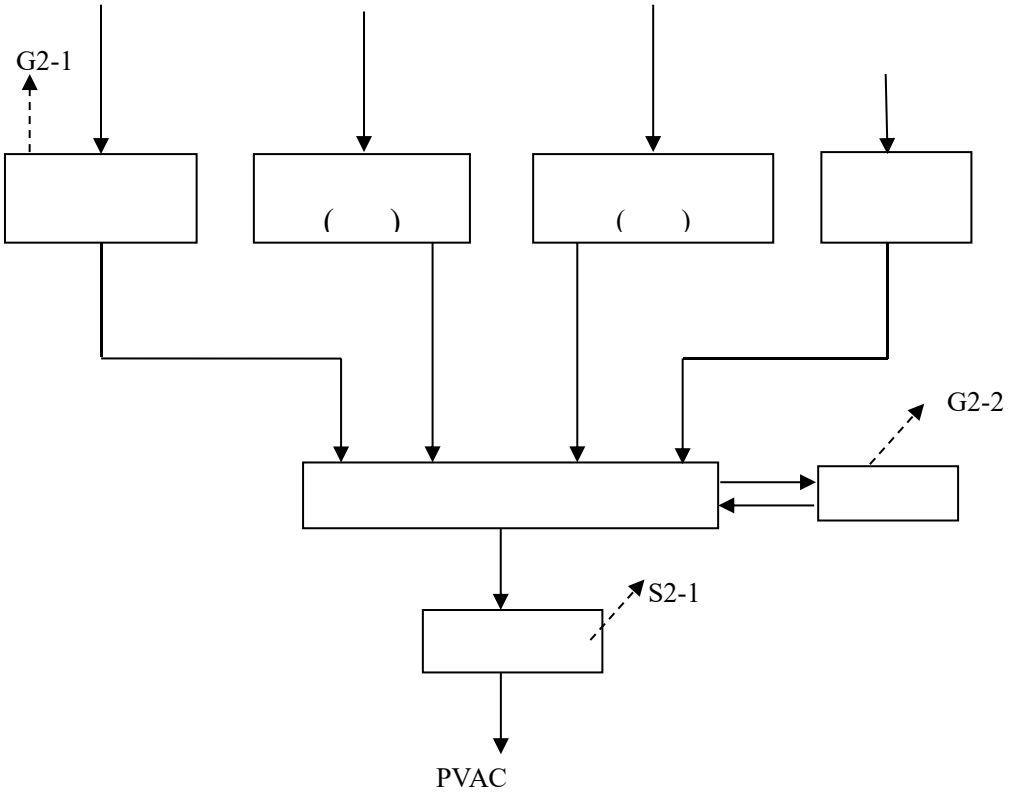
65 ( )

65 90 10 15

(3)

40

PVAC 3.6-2 3.6-2-2



						/
	G2-1	( )				+ + 25m (P2)
	G2-2					
	S2-1			HW13 265-103-13	N-	

	$n\,CH_2=CH(OOCCH_3) \longrightarrow -(-CH(OOCCH_3)-CH_2-)_n-$	
	$CH_2=CHOOCCH_3$	$[CH_3COOCH_2CH]_n$
	86.09	2 -10
	( )	
	( ) ( )	

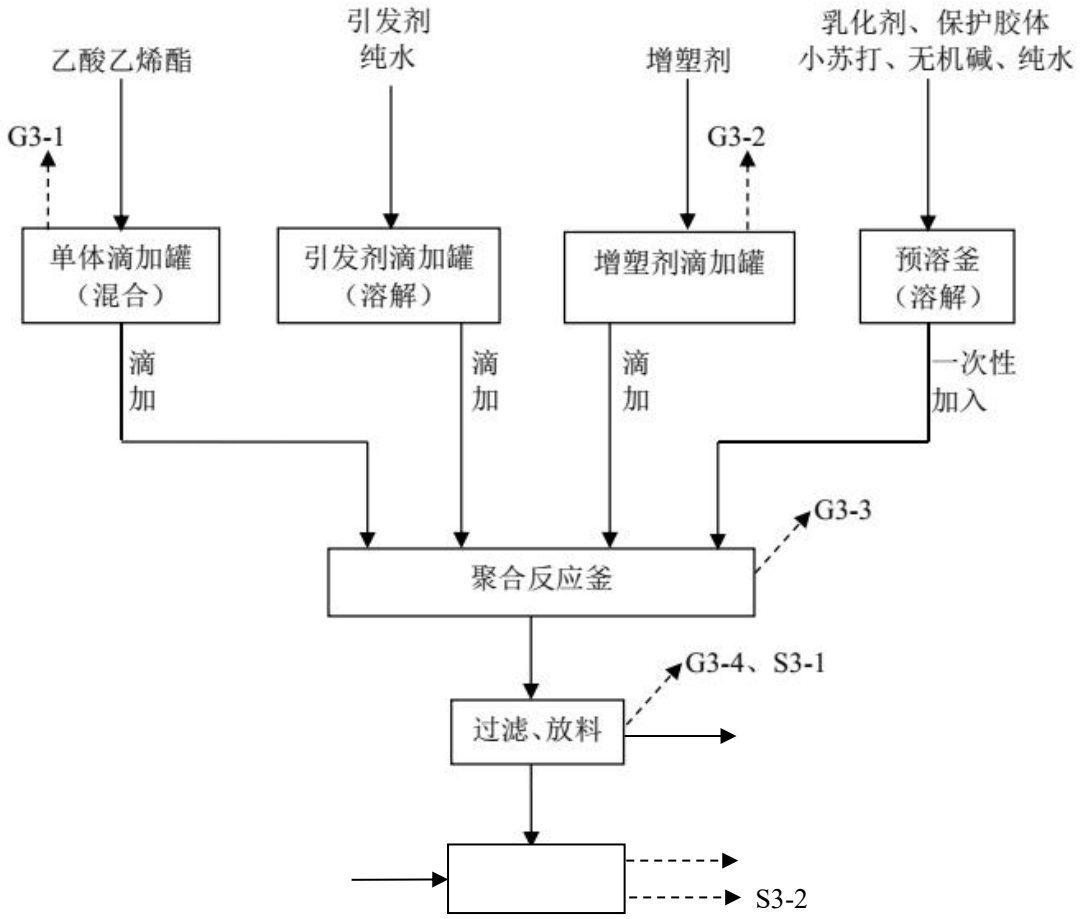
(1)

( )

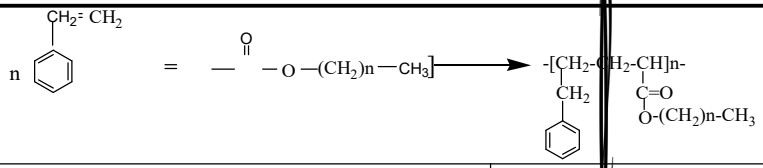
(2)

10

3.6-3 3.6-3-2



						/
	G3-1					+ + 25m (P2)
	G3-2				( )	
	G3-3				( )	
	G3-4				( )	
	S3-1			HW13 265-103-13		
	S3-2					

	
	( )
	N-
	( )

(1)

	S4-2			HW13 265-103-13	N-	

(160)

(160)

60

(1)

6 6

						/
	S5-1			HW13 265-103-13		

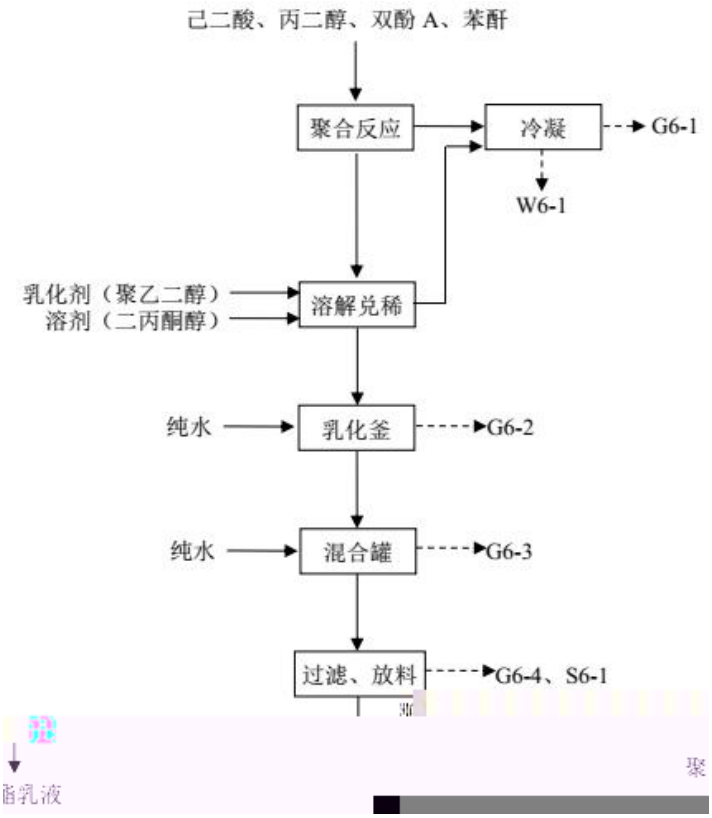
(2)

50

50

(3)

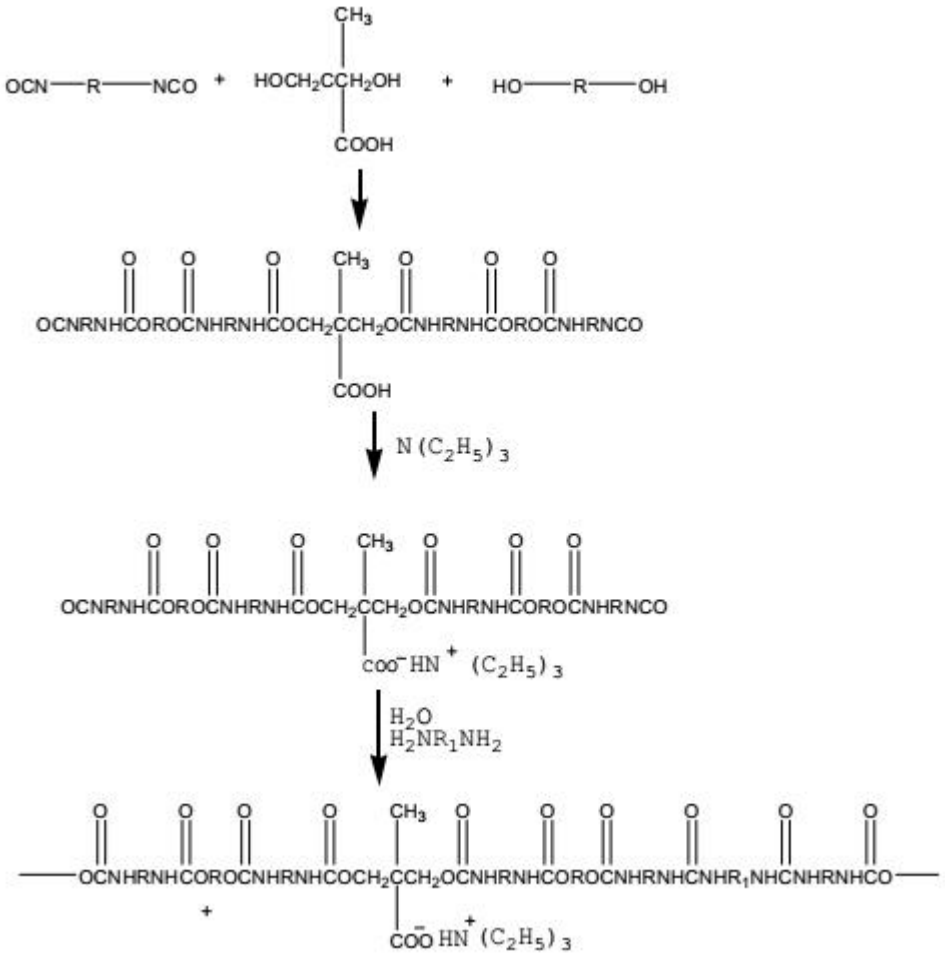
3.6-6



						/
	G6-1				1,2-	+ + 25m (P1)
	G6-2					
	G6-3					
	G6-4					
	W6-1			--	1,2-	

	S6-1			HW13 265-103-13		

70-110



(1)

70-110 ( )

(2)

60-70 0.5-1h

+

( ) 90%

(3)

50-60 0.5

(4)

50-60

40-50 DCS

30

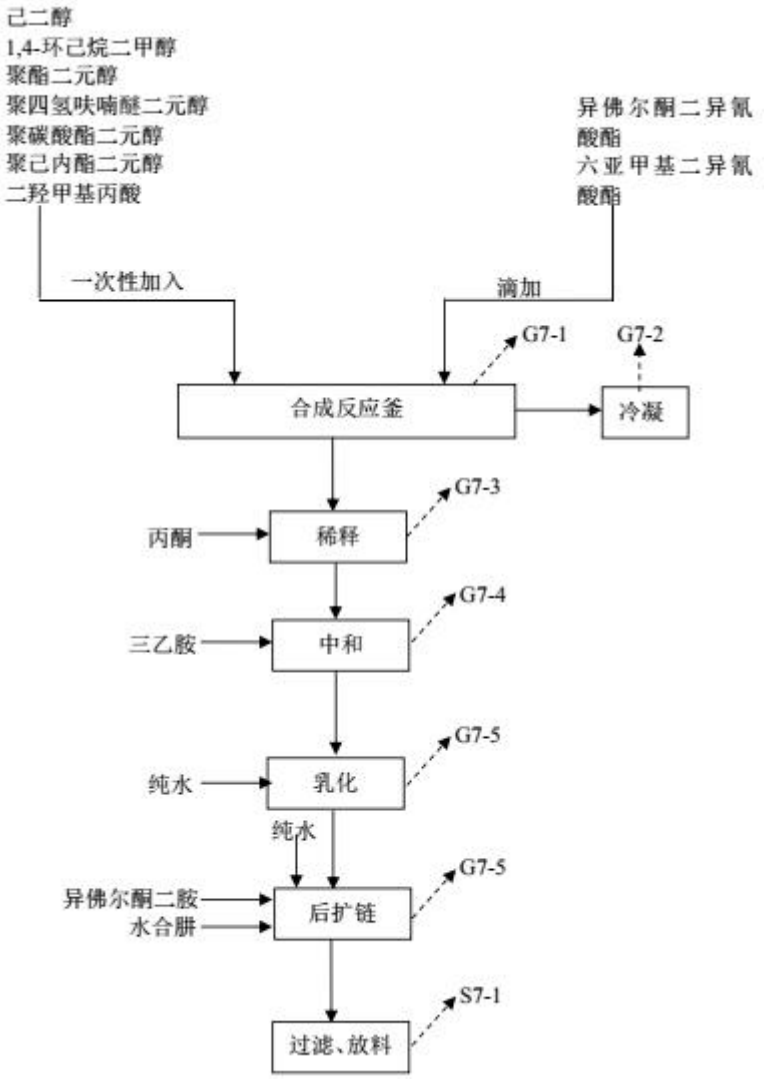
(5)

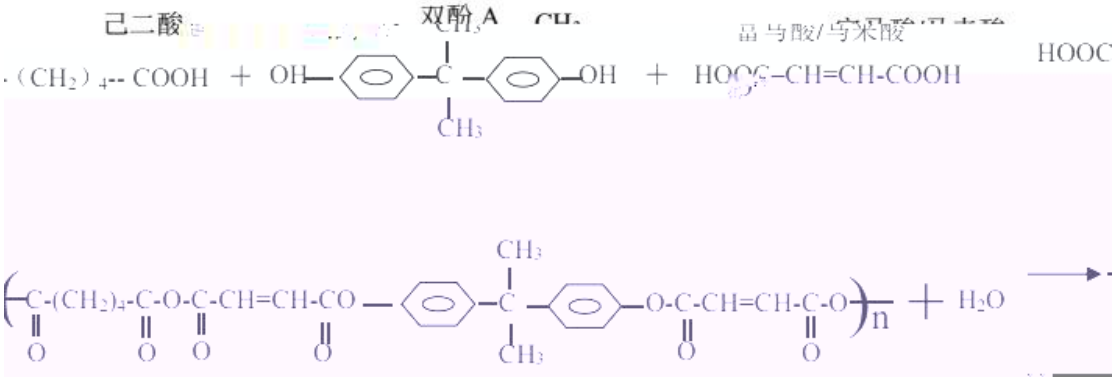
1h

3.6-7 3.6-7

						/
	G7-1					
	G7-2					+ +
	G7-3					25m
	G7-4					(P1)
	G7-5					
	G7-6					

	S7-1			HW13 265-103-13		





(1)

200

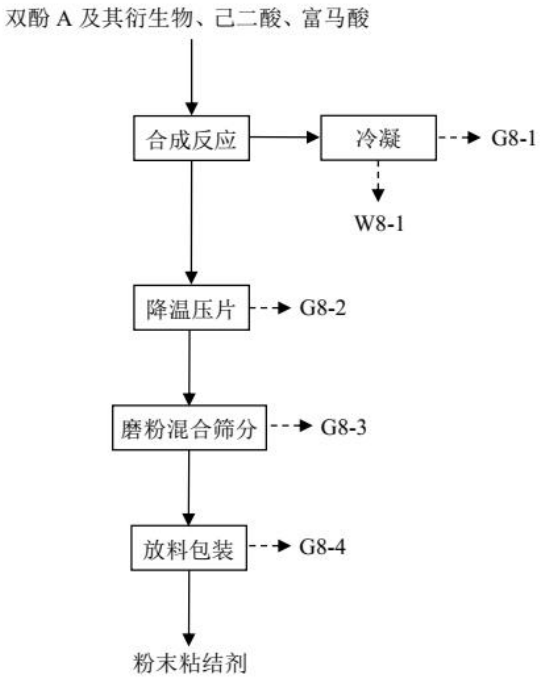
(-0.1MPa)

(2)

(200)

(3)

3.6-8



						/
	G8-1					+ + 25m (P2)
	G8-2					+ + 25m (P2)
	G8-3					25m (P6)
	G8-4					25m (P6)
	W8-1			--		

A

( )

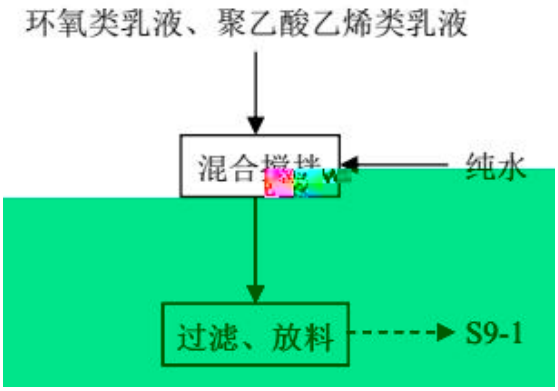
(1)

(2)

30min

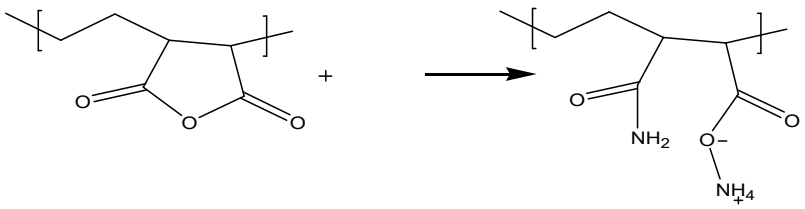
(3)

A 3.6-9-1



						/
	S9-1			HW13 265-103-13		

pH



pH

1

85

(2)

(3)

85 4h 40

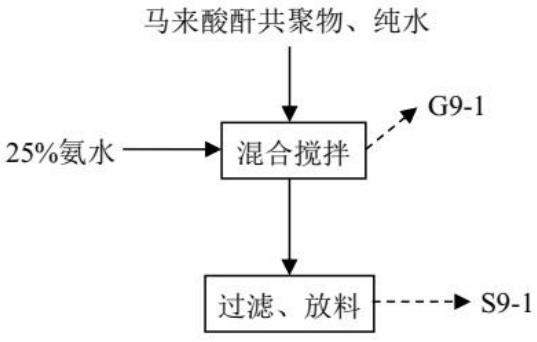
4 pH

25% pH 8-10

(5)

30min

B 2.2-6-9-2



						/
	G9-1					+ + 25m (P2)

	S9-1			HW13 265-103-13		

99.95%

99.9%

1

(1)

4:1

100 3 4

(

)

$Pt+8HCl+2HNO_3 == H_2PtCl_6+2NO +Cl_2 +4H_2O$

$Pt+14HCl+4HNO_3 == H_2PtCl_4+4NO +5Cl_2 +8H_2O$

$Rh+9HCl+2HNO_3 == H_3RhCl_6+2NO +3/2Cl_2 +4H_2O$

$CaO+2H^+ == Ca^{2+} +H_2O$

$Al_2O_3+6H^+ ==2Al^{3+} +3H_2O$

(2) 5 6

2 Pt 4 Pt pH 7 3 4

$H_2PtCl_4 + Cl_2 == H_2PtCl_6$

$H_3RhCl_6+6NaOH == Rh(OH)_3 \quad +6NaCl+3H_2O$

$H_2PtCl_6+2NaOH == Na_2PtCl_6+2H_2O$

$H^+ +NaOH == H_2O+ Na^+$

$Ca^{2+} +2NaOH == Ca(OH)_2 \quad +2Na^+$

$Al^{3+} +3NaOH ==Al(OH)_3 \quad +3Na^+$

(3)

30

$Na_2PtCl_6+2NH_4Cl == (NH_4)_2PtCl_6 \quad +2NaCl$

$NaOH+NH_4Cl ==NH_3 \quad +NaCl+H_2O$

(4)

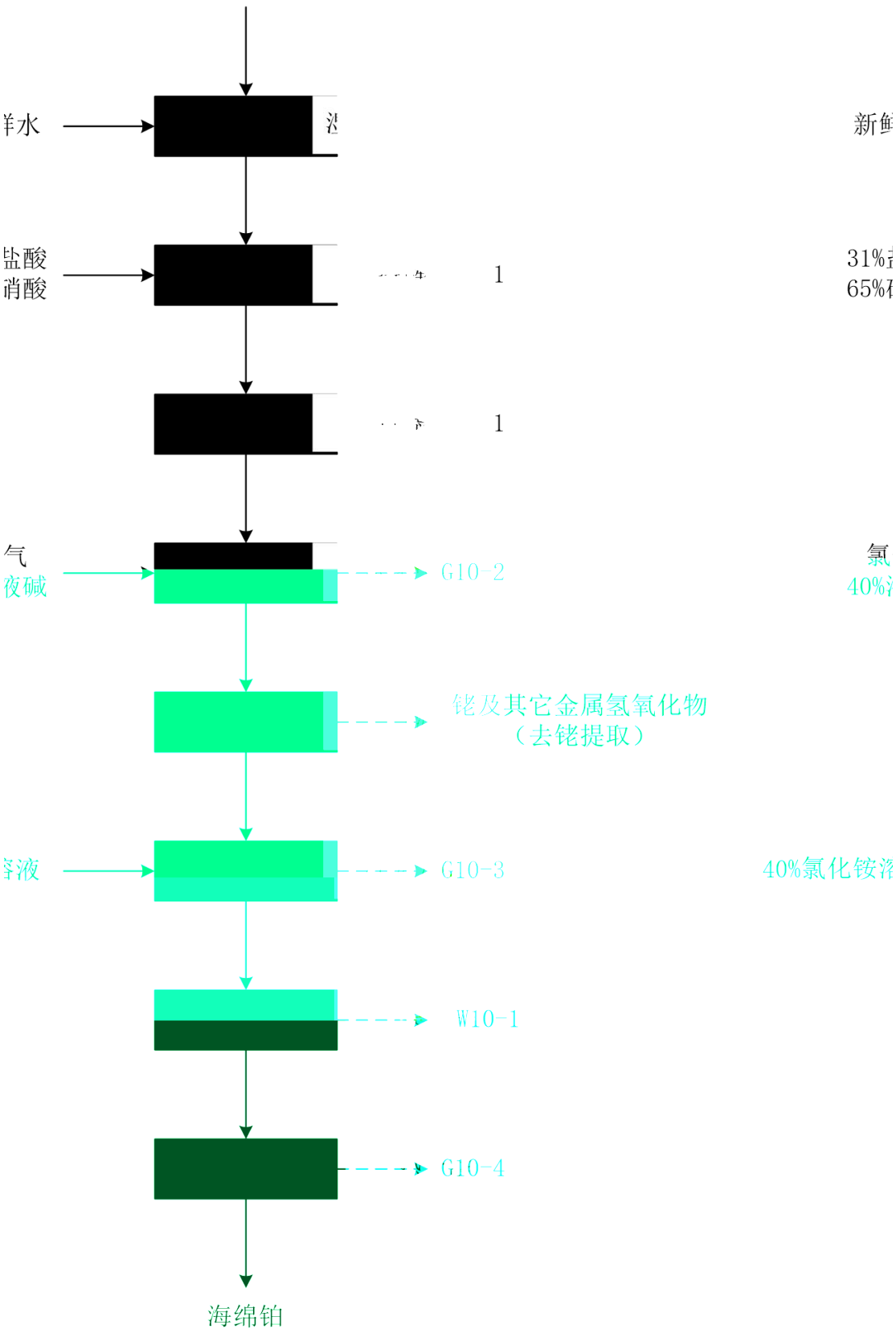
900 99.95%

$(NH_4)_2PtCl_6==== Pt+2NH_3 \quad +2HCl \quad +2Cl_2$

50 10

5

3.6-10-1


洋水
新鲜
盐酸
消酸
1
31%盐
65%硝
1
气
液碱
G10-2
氯
40%液
铑及其它金属氢氧化物
（去铑提取）
溶液
G10-3
40%氯化铵溶
W10-1
G10-4
海绵铂

						/
	G10-1				NO Cl_2 HCl (NO_X)	+ 25m (P3)
	G10-2				Cl_2	
	G10-3					
	G10-4				NH_3 Cl_2 HCl	
	W10-1				NaCl $NaNO_3$	
	S10-1				( )	

2

(1)

80

1 2

$Rh(OH)_3 + 6HCl == H_3RhCl_6 + 3H_2O$

$Ca(OH)_2 + 2HCl == CaCl_2 + 2H_2O$

$Al(OH)_3 + 3HCl == AlCl_3 + 3H_2O$

(2)

pH 2 80

($NaNO_2$)

$Na_3Rh(NO_2)_6$ 1 2 pH 7

$2H_3RhCl_6 \quad 18NaNO_2 == 2Na_3Rh(NO_2)_6 \quad 12NaCl \quad 3NO \quad 3NO_2 \quad 3H_2O$

$HCl + NaOH == NaCl + H_2O$

800

$2Rh+O_2$==== 2RhO

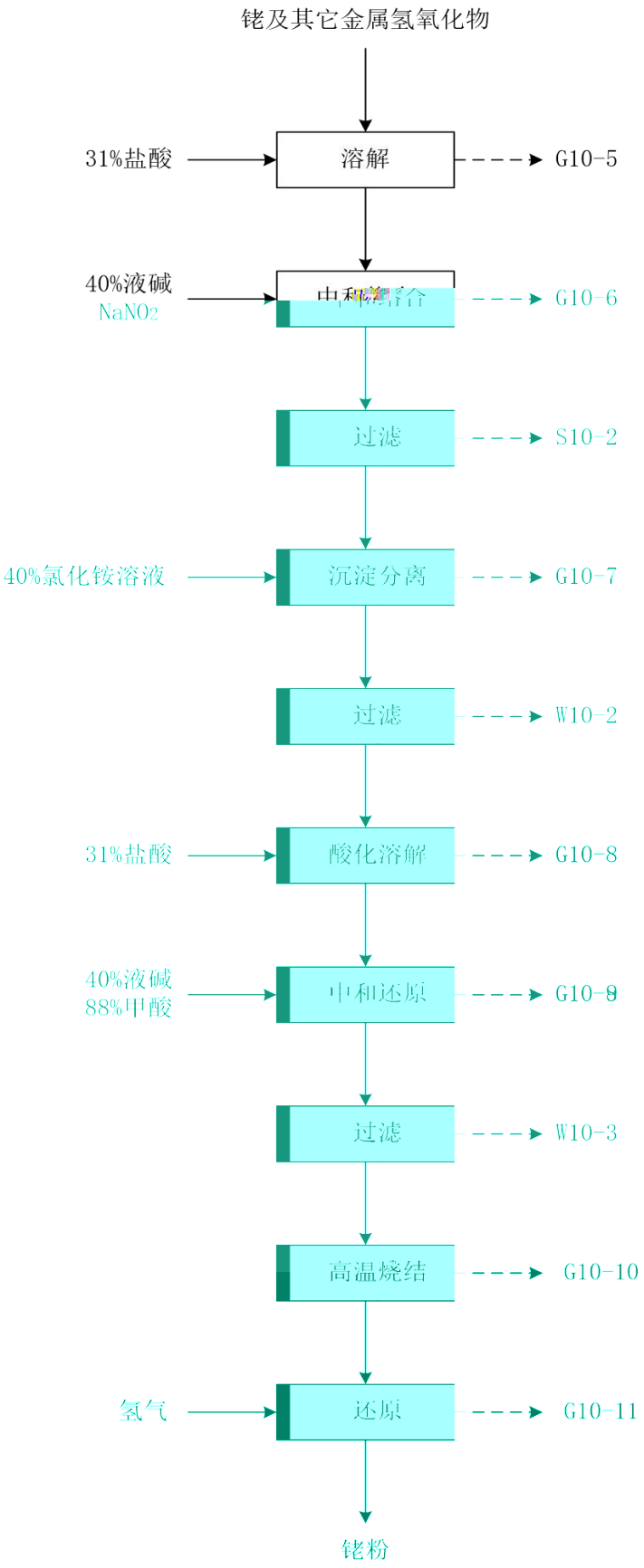
7

800 30

$RhO+H_2$ ==== $Rh+H_2O$

$2H_2+O_2$ ===== $+2H_2O$

3.6-10-2


铑及其它金属氢氧化物
31%盐酸
溶解
G10-5
40%液碱
NaNO2
中和溶合
G10-6
过滤
S10-2
40%氯化铵溶液
沉淀分离
G10-7
过滤
W10-2
31%盐酸
酸化溶解
G10-8
40%液碱
88%甲酸
中和还原
G10-9
过滤
W10-3
高温烧结
G10-10
氢气
还原
G10-11
铑粉

						/
	G10-5				HCl	+ 25m (P3)
	G10-6				NO NO_2	
	G10-7					
	G10-8				NO NO_2 HCl	
	G10-9				CO_2	
	G10-10					--
	G10-11					
	W10-2				NaCl $NaNO_3$	
	W10-3				NaCl	
	S10-2			--		

	3.5-1	1 PVAC	3.5

		1	
	2# + + 1 25m 0.5m P2 2# 1 25m 0.5m (P2) + 1 25m 0.25m (P3) + 1 25m 0.3m (P4)	2# + + 1 25m 0.8m (P2) 2# 1 25m 0.6m (P6) + 1 27m 0.33m (P3) + + 1 25m 0.5m (P4)	< > (2019 146) > ([2020]4) VOCs 1 + P4

( ) (

2020 688)

2020 688		
1.		
2. 30%		
3.		
4. ( ) 10%		
5. ( )		
6. ( )		

(1) ( ) (2) (3) (4) 10%		
7. 10%		
8. 6 ( ) 10%	1 + + +	
9.		
10. ( ) 10%		
11.		
12. ( )		
13.		

(

2016 141)

2016 141

1.

2.

< ( )> (

[2020]688)

(2016 141)

4.1.1.1

(

)

1 1#

1#

+ +

1 25m 0.8m (P1)

2 2#

2# PVAC

+ +

1 25m 0.8m (P2)

3 2#

2#

1 25m 0.6m (P6)

4

NO NO_2 Cl_2 HCl

NH_3 + 1 27m

0.33m (P3)

5

+

+ 1 25m 0.5m

(P4)

6

1 300 1

25m 0.6m (P5)

4.1-1 4.1-2

	G6-4 G7-6 G7-6 G7-6		+ + P1	
2# (PVAC)	G2-1 G2-2 G2-1 G2-2 G3-1 G3-2 G3-3 G4-1 G4-2 G8-1 G9-1	VOCs( )	+ + P2	
	G3-4 G8-2		+ + P2	
	G8-3		P2	P6
	G8-4		P2	P6
	G10-1 G10-2 G10-3 G10-4 G10-5 G10-6 G10-7 G10-8 G10-9	NO (NO NO_2) Cl_2 HCl NH_3	+ P3	+ P3
	G11	VOCs	+ P4	+ + P4

	G12	SO_2 NO	P5	

4.1.1.2

(1)

(2)

a ( )

)

+

+

(GB 37822-2019) (1)

VOCs

(2)

( )

(3) VOCs

VOCs (4)

VOCs

VOCs VOCs

VOCs (5)

VOCs (6)

VOCs VOCs

VOCs 3 (7)

1

14866.9m^3/a

(1)

32m^3/a pH COD

BOD_5 SS 35.8m^3/a pH

( )

45.6m^3/a(0.19m^3/d)

pH COD BOD_5 SS

( )

5568m^3/a

pH COD BOD_5 SS

( )

0.8m^3/d 192m^3/a

pH COD BOD_5 SS

( )

444m^3/a

pH COD BOD_5 SS

( )

12t/a

345.6m^3/a COD BOD_5 SS

( )

0.12m^3/h

2.88m^3/d 691.2m^3/a

( )

6288m^3/a

( )

(2)

5.1m^3/d 1228.8m^3/a COD BOD_5

SS

( )

2

250L/d

+ + +

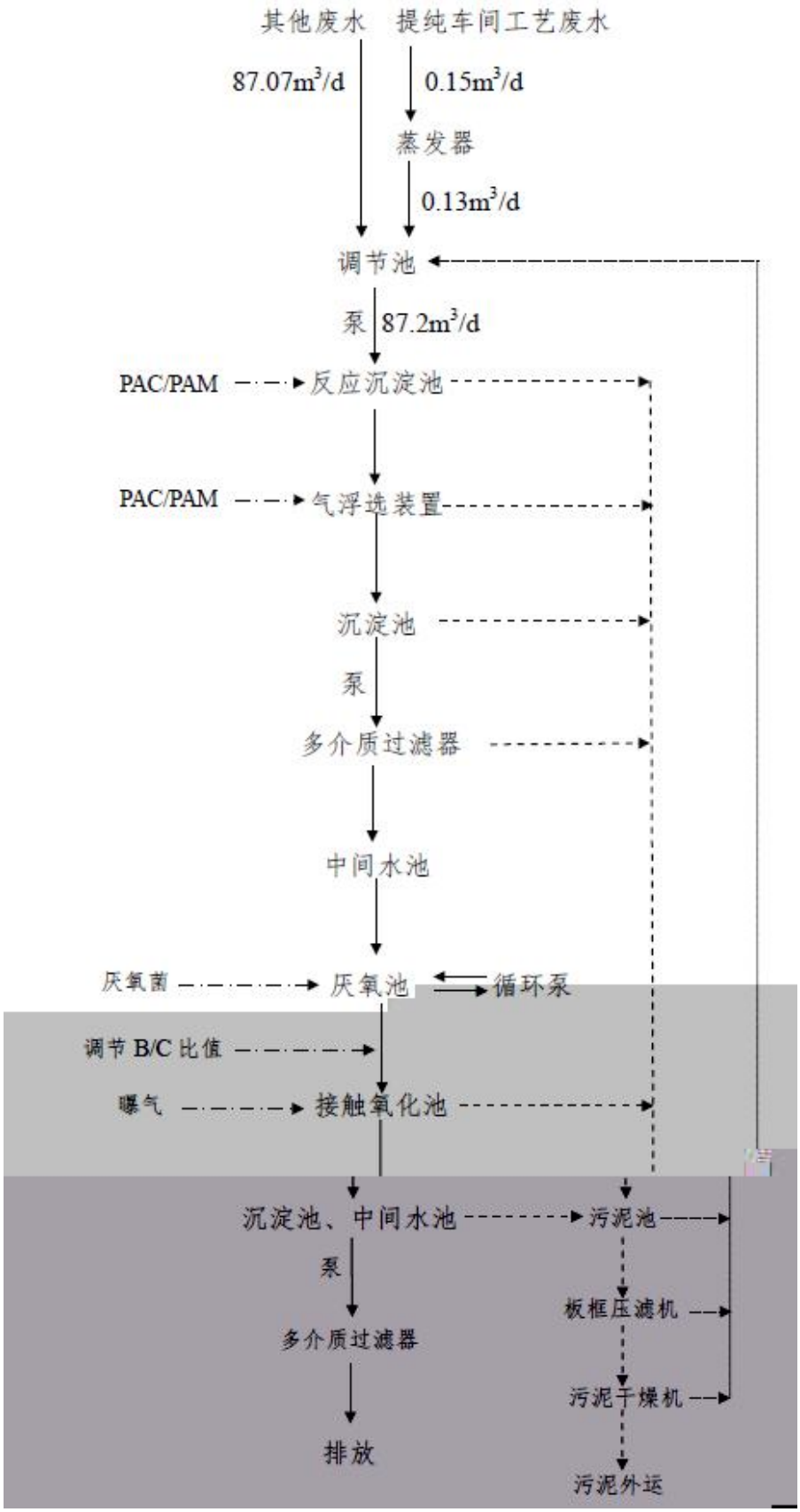
100m^3/d(200m^3/d)

62.0m^3/d

( )

4.1-3 4.1-4

4.1-5


其他废水
提纯车间工艺废水
87.07m³/d
0.15m³/d
蒸发器
0.13m³/d
调节池
泵
87.2m³/d
PAC/PAM
反应沉淀池
PAC/PAM
气浮选装置
沉淀池
泵
多介质过滤器
中间水池
厌氧菌
厌氧池
循环泵
调节 B/C 比值
曝气
接触氧化池
沉淀池、中间水池
污泥池
泵
板框压滤机
多介质过滤器
污泥干燥机
排放
污泥外运

1

				(5)		
			0.25t/3a	--	0.25t/3a	
			99t/a	40 t	96t/a	
			1.314t/a	0.61 t	1.464t/a	
			27t/a	5.6 t	13.44t/a	

								(5)				
1				HW13	265-103-13		4.2t/a	1.8 t	4.32t/a		T	
2				HW13	265-101-13		2.25t/a	0.9 t	2.16t/a		T	
3				HW34	261-057-34	( )	10.57t/a	4.2 t	10.08t/a		C T	
4				HW08	900-249-08		9t/8a	--	9t/8a*		T I	
5				HW49	900-039-49		11.4t/a	6 t	12t/a		T	
6				HW06	900-402-06		13t/a	5 t	12t/a	2-3	T I R	
7	(30%)			HW13	265-104-13		235.88t/a	92.5 t	222 t/a		T	
8				HW49	900-041-49		1t/a	0.45 t	1.08t/a		T In	
9				--	--		3.24t/a	1.3 t	3.12t/a		--	

10				HW11	900-013-11		11.8t/a	5 t	12t/a		--	
	*											

2

1 334m^2

4.1-6

1

43m 21m 1.2m

150mm

2

(1)

--5KG/m

--200 C30(P6) --1.5

--100 C15 0.94

20

1.5mm --20 1: :2 --120 C20

--0.2 0.9

(2)

100mm C20 P6

1: 2 20mm

(3)1# 2# 3# 4# 1# 2#

--5KG/m

--200 C30(P6) --1.5 --100

Cl5 0.94

(4) 1# 2#

(300*300)--1:3 ( )--

(1.5) -- --20 1:3

--100 C15 -- 0.94

(5)

--5KG/m

( )--200 C30(P6) --1.5

--100 Cl5 0.94

4.2-1

3

		( )
1		1
2	DCS	7
3		5
		23
5	1#	15
6	2#	14
7		5
8		5
9	3#	18
10	4#	12

4

1			20	1 2 1
			15	1 2 1
			20	1 2 1
			14	1 2 1 3 4
			14	1 2 1
			1	1
			6	1
			5	1
			5	1
2		MF/ABC8	116	
		MF/ABC4	60	

		MF/ABC35	16	
		5	40	DCS
			100	
			28	
			197	
			225	
			102	
			112	
			90	
			53	DCS
			13	
		PY4/200	3	3
			130	1
			20	
			20	
			8	
			1	1
			8	
			14	
			2	
			2	
			4	
			2	
			4	

5 ( )

( ) 3

1 (J1) 1#

1 (J2#) 1 (J3#)

(GB/T14848-2017)

1.01 3.74

(GB/T14848-2017)

6

1 1512m^3

4.2-2 4.2-3

4

1 784m^3

(

370911-2022-003-M)

	200m^3	200m^3	
	(- -) 1512m^3	(- -)	

		1512m^3	
	3 (1 1)	3 (1 1)	

(BA2022370903028284)

CODcr

(CODma II) (Amta NA8000)

1# 2# 1

VOCs (

BA2022370903015540 BA2022370903015914)

HV-3060

1 2

(HJ

819-2017) (HJ 1087-2020)

	1#	VOCs( )	VOCs( )	
	2#	VOCs( )	VOCs( )	
	3#	(NO)		
		Cl_2 HCl NH_3		
	4#	VOCs( )		
	5#	SO_2 NO		
	6#			
		VOCs( ) HCl HNO_3(NO)		
		pH	pH COD	

		pH		
	1m( )	Leq(A)		

		TSP HCl NO VOCs		
		pH COD BOD_5		
		pH		
		( ) 1,1- 1,2- 1,1- -1,2- -1,2- 1,2- 1,1,1,2- 1,1,2,2- 1,1,1- 1,1,2- 1,2,3- 1,2- 1,4- + 2- [a] [a] [b] [k] [a,h] [1,2,3-cd]		

1	JB-QT-GST5000 /	1	
2		1	
3	GST-DH9000/G1	1	
4		3	
5		7	
6		2	
7		1	

1# 2#

100m 560m

4.2-4

2021 4

91370000863056413H001V 2022 1

91370000863056413H002V

35000 2010.68

5.74%

		( )
1		730.07
2		250.9
3		96
4		24.39
5		61
6		848.32
		2010.68

				( )	
			VOCs( )		
			pH COD BOD_5 SS		
			( )		
	(30%)				

1

2

3

4

( )

[2019]210

1

2

3

( )

5

4

5 10

2019 10 28

6

(DB37/2801.6-2018) 1 2 (GB 31572-2015) 4 GB 37824-2019 1 (DB37/2376-2019) 1 (GB16297-1996) 2 (GB31573-2015) 3 (DB37/2374-2018) 2 ( ) (DB37/3161-2018) 1

6

(DB37/2801.6-2018) 3 (GB31573-2015) 5 ( ) (DB37/3161-2018) 2 (GB14554-1993) 1 (GB16297-1996) 2 (GB 37822-2019)

			(mg/m^3)	kg/h
1#		6 (DB37/2801.6-2018) (GB 31572-2015) 4 GB 37824-2019 1	10	0.3
			20	0.3
	VOCs( )		50	3.0
			50	--
			60	--
2#		6	20	--

	VOCs( )	(DB37/2801.6-2018)	50	30
		(GB 31572-2015) 4 GB 37824-2019 1	60	--
		(GB14554-93)	--	14
2#		(DB37/2376-2019) 1 (GB 31572-2015) 4 GB 37824-2019 1 (GB16297-1996) 2	10	14.5
	NO	(DB37/2376-2019) 1	100	2.85
	Cl_2	(GB31573-2015) 3	5	0.52
	HCl		10	0.92
	NH_3		20	--
	VOCs( )	( ) (DB37/3161-2018) 1	100	5.0
			10	1.6
			20	1.0
			3	0.1
			800( )	--
		(DB37/2374-2018) 2	10	--
	SO_2		50	--
	NO		100	--
			1	--
		(GB16297-1996) 2 (GB31573-2015) 5	1.0	--
	Cl_2		0.1	--
	HCl		0.05	--
	NO		0.12	--
	VOCs( )	6 (DB37/2801.6-2018) 3 ( ) (DB37/3161-2018) 2	2.0	--

		6 (DB37/2801.6-2018) 3	0.2	--
			0.2	--
		( ) (DB37/3161-2018) 2	1.0	--
		(GB14554-1993) 1 ( ) (DB37/3161-2018) 2	1.0	--
			0.03	--
			20	--
	VOCs( )	(GB 37822-2019)	10	--

(GB/T31962-2015)

1 A ( )

(GB31573-2015)

	(GB/T31962-2015) 1 A	pH	6.5 9.5
		COD	500 mg/L
		BOD_5	350 mg/L
		SS	400 mg/L
			45 mg/L
			70 mg/L
			8 mg/L
			1 mg/L
			500 mg/L
			2.5 mg/L
			64
	( )	pH	6-9
		COD	350 mg/L
		NH_3-N	40 mg/L
		BOD_5	250 mg/L
		SS	200 mg/L
			50 mg/L
			7.7 mg/L
		pH	6-9 mg/L

	(GB31573-2015)	SS	100 mg/L
		CODcr	200 mg/L
			40 mg/L
			60 mg/L
			2 mg/L
	1 DB 37 3416.1-2018		1600 mg/L

(GB12348-2008)3

GB12348-2008	3	65	55

(GB18599-2020

(GB18597-2001)

0.92t/a 2.63t/a 0.386t/a 1.536t/a

6.3.1

(GB/T14848-2017)

	(GB/T14848-2017)	pH	6.5 8.5( )
			0.50mg/L
		(N)	20.0mg/L
		(N)	1.00mg/L
		( )	0.002mg/L
			450mg/L
			1000mg/L

			3.0mg/L
			1.0 mg/L
			250mg/L
			250mg/L
			0.05mg/L
			3.0 CFU/100mL
			200mg/L
			0.01mg/L
			0.001mg/L
		( )	0.05mg/L
			0.01mg/L
			0.005mg/L
			0.3mg/L
			0.1mg/L
			1.0mg/L
			20 g/L
			0.02mg/L
			700 g/L
			500 g/L
			100CFU/100mL

6.3.2

( ) (GB36600-2018) 1

( ) (GB15618-2018)

( ) (GB36600-2018)		60mg/kg
		65mg/kg
	( )	5.7mg/kg
		18000mg/kg
		800mg/kg
		38mg/kg
		900mg/kg
		2.8mg/kg
		0.9mg/kg
		37mg/kg
	1,1-	9mg/kg

	1,2-	5mg/kg
	1,1-	66mg/kg
	-1,2-	596mg/kg
	-1,2-	54mg/kg
		616mg/kg
	1,2-	5mg/kg
	1,1,1,2-	10mg/kg
	1,1,2,2-	6.8mg/kg
		53mg/kg
	1,1,1-	840mg/kg
	1,1,2-	2.8mg/kg
		2.8mg/kg
	1,2,3-	0.5mg/kg
		0.43mg/kg
		4mg/kg
		270mg/kg
	1,2-	560mg/kg
	1,4-	20mg/kg
		28mg/kg
		1290mg/kg
		1200mg/kg
	+	570mg/kg
		640mg/kg
		76mg/kg
		260mg/kg
	2-	2256mg/kg
	[a]	15mg/kg
	[a]	1.5mg/kg
	[b]	15mg/kg
	[k]	151mg/kg
		1293mg/kg
	[a,h]	1.5mg/kg
	[1,2,3-cd]	15mg/kg
		70mg/kg
		1 10^{-5}mg/kg
		4500mg/kg

	pH	pH 5.5	5.5 pH 6.5	6.5 pH 7.5	pH 7.5
		150	150	200	250
(		200	200	250	300

7.1-1

1			pH COD BOD_5 SS	4

7.1.2.1

1 1#

7.1.2.2

1# 2#	( ) 1m 1.5m	2		1h
	10m	4 1 3	Cl_2 HCl NO VOCs( )( )	

1	1m	1	Leq(A)	

	2	pH (N) (N) ( ) ( )	2 2
	1 (0 0.5m 0.5 1.5m 1.5 3m)	+ 47 pH 6	
	2 ( ) (0 0.5m 0.5 1.5m	+ 47 pH 6	

1.5 3m)

3

.5

		HJ 836-2017		1.0mg/m^3
	VOCs( )	HJ 38-2017		0.07mg/m^3
		HJ 734-2014	- / -	0.004mg/m^3
				0.004mg/m^3
				0.006mg/m^3
	/			0.009mg/m^3
				0.004mg/m^3
				0.004mg/m^3
				0.01mg/m^3
		HJ 533-2009		0.01mg/m^3
		(2003)	( ) ( ) (B)	0.001mg/m^3
		HJ 57-2017	(50 mol/mol)	2mg/m^3
		HJ 693-2014		2mg/m^3
		HJ/T 398-2007		/

		HJ/T 30-1999		0.2mg/m^3
		HJ 549-2016		0.2mg/m^3
		HJ/T 27-1999		0.9mg/m^3
	VOCs( )	HJ 604-2017	-	0.07mg/m^3
		HJ 644-2013	- / -	0.4 g/m^3
				0.4 g/m^3
				0.3 g/m^3
		/		0.6 g/m^3
				0.6 g/m^3
				0.6 g/m^3
		HJ/T 30-1999		0.03mg/m^3
		HJ 549-2016		0.02mg/m^3
		GB/T 15432-1995		0.001mg/m^3
		HJ 479-2009	( )	0.005mg/m^3
		HJ 533-2009		0.01mg/m^3
		(2003)	( ) ( ) (B)	0.001mg/m^3
		GB/T 14675-1993		10( )

pH	HJ 1147-2020	pH		/
	HJ 828-2017			4 mg/L
	HJ 505-2009		(BOD_5)	0.5mg/L
	GB/T 11901-1989			/
	HJ 1182-2021			2
	HJ 535-2009			0.025 mg/L
	HJ 636-2012			0.05mg/L
	GB/T 11893-1989			0.01mg/L
	HJ 503-2009		4-	0.01mg/L
	GB/T 11896-1989			10mg/L
	HJ 501-2009			

		GB/T 17141-1997		0.01 mg/kg
		HJ 1082-2019	-	0.5mg/kg
		HJ 491-2019		4mg/kg
				1mg/kg
				3mg/kg
				1mg/kg
				10mg/kg
		HJ 605-2011	/ -	1.0 g/kg
				1.0 g/kg
	1,1-			1.0 g/kg
				1.5 g/kg
	-1,2-			1.4 g/kg
	1,1-			1.2 g/kg
	-1,2-			1.3 g/kg
				1.1 g/kg
	1,2-			1.3 g/kg
	1,1,1-			1.3 g/kg
				1.3 g/kg
				1.9 g/kg
	1,2-			1.1 g/kg
				1.2 g/kg
	1,1,2-			1.2 g/kg
				1.3 g/kg
				1.4 g/kg
	1,1,1,2-			1.2 g/kg
				1.2 g/kg
				1.2 g/kg
	/			1.2 g/kg
		HJ 605-2011	/ -	1.1 g/kg
	1,2,3-			1.2 g/kg
				1.2 g/kg
	1,1,2,2-			1.2 g/kg
	1,4-			1.5 g/kg
	1,2-			1.5 g/kg

				0.4 g/kg
				0.09 mg/kg
				0.09 mg/kg
2-				0.06 mg/kg
[a]				0.1 mg/kg
[a]	HJ 834-2017			0.1 mg/kg
[b]			-	0.2 mg/kg
[k]				0.1 mg/kg
				0.1 mg/kg
[a, h]				0.1 mg/kg
[1,2,3-cd]				0.1 mg/kg
(C_{10}-C_{40})	HJ 1021-2019		(C_{10}-C_{40})	6mg/kg
pH	HJ 962-2018	pH		/
	NY/T			

	GB/T 5750.5-2006		N N-	0.005mg/L
	GB/T 11904-1989			0.01mg/L
	GB/T 5750.12-2006		(2.1)	/
	GB/T 5750.12-2006		(1.1)	/
(N)	GB/T 5750.5-2006			0.001mg/L
(N)	GB/T 7480-1987			0.02mg/L
	GB/T 5750.5-2006		-	0.002mg/L
	GB/T 5750.5-2006		(3.1)	0.2mg/L
	HJ 694-2014			0.04 g/L
				0.3 g/L
	GB/T 5750.6-2006	(9.1	)	0.5 g/L
	GB/T 5750.6-2006			0.004mg/L
	GB/T 5750.6-2006	(11.1	)	2.5 g/L
				1.4 g/L
	HJ 639-2012	/	-	2.2 g/L
				1.4 g/L
				0.6 g/L
	GB/T 11904-1989			0.05mg/L
	GB/T 11905-1989			0.02mg/L
				0.002mg/L
CO_3^{2-}	--		2002 ( )	/
HCO_3^-				/

5750.6

			/
	AA-6880F/AAC	ZZHJA12	2021/5/24
pH ( )	P611	ZZHJA24-07	2021/10/12
pH	PHS-3CW	ZZHJA17	2021/4/30
	T6	ZZHJA30-01 02	2021/5/8
	TU-1810PC	ZZHJA31-01 02	2021/5/8
	PF32	ZZHJA33	2021/5/8
TOC	multi N/C 2100S HT 1300	ZZHJA36	2021/5/8
	7890B	ZZHJA37	2020/9/27
-	7890B 5977B	ZZHJA39	2020/9/27
	7820A	ZZHJA40	2020/10/13
	Eco IC	ZZHJA41	2020/10/13
-	8860 5977B	ZZHJA54	2021/7/30
	AR2140	ZZHJB01	2021/5/8
	AUW120D	ZZHJB02	2021/5/8
	YP2102	ZZHJB03	2021/5/8
	WS150III	ZZHJD31	2021/5/8
	LG30	ZZHJE08-03	/
	AWA6228+	ZZHJF22-05	2021/5/8
	EM300	ZZHJF29-01 03	2021/5/8
/	MH1205	ZZHJF32-09 12	2021/10/27
	ZR-3712	ZZHJF34-01 04	2021/8/30
/	3012H-C	ZZHJF36	2021/9/18

			/	/
	MH3300	YQ-AX148	2021.08.27-2022.08.26	
( )	YQ3000-D	YQ-AX112	2021.10.13-2022.10.12	
	3023	YQ-AX012	2021.10.13-2022.10.12	
	QCS-6000	YQ-AX104	2021.10.13-2022.10.12	
	TU-1810ASP C	YQ-AF031	2021.10.13-2022.10.12	
	DZB-712	YQ-AX194	2022.01.11-2023.01.10	
	TAS-990	YQ-AF071	2020.10.14-2022.10.13	
	PF31	YQ-AF072	2021.10.13-2022.10.12	

			/	/
	PXSJ-216F	YQ-AF029	2021.10.13-2022.10.12	
-	GCMS-QP2010SE	YQ-AF047	2020.10.14-2022.10.13	
	PHS-3C	YQ-AF024	2021.10.13-2022.10.12	
	FA2204N	YQ-AF039	2021.10.15-2022.10.14	
	ES1055A	YQ-AF051	2021.10.15-2022.10.14	
	SPX-150B-Z	YQ-AF093	2021.10.18-2022.10.17	

5% (30 70%

) 8.2-1

10%

ɜ

10%

8.2-2

8.2-3 8.2-4

			(L/min)	(%)
	ZZHJF29-01	2021.11.21	1.0	1.6
		2021.12.03	1.0	1.2
	ZZHJF29-03	2021.11.21	1.01	1.3
		2021.12.03	1.0	0.9
			1.0	0.6
			1.0	1.2
		2021.11.21	1.0	1.7
			1.0	1.3
/	ZZHJF32-09		100	0.7

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				(L/min)	(%)	
				100	1.5	
		2021.12.03		1.0	0.6	
				1.0	1.2	
				1.0	1.7	
				1.0	0.9	
				100	1.5	
/	ZZHJF32-11	2021.11.21		1.0	2.1	
				1.0	1.7	
				1.0	1.4	
				1.0	1.8	
				100	1.4	
		2021.12.03		1.0	1.3	
				1.0	1.9	
				1.0	1.4	
				1.0	1.7	
/	ZZHJF32-11	2021.12.03		100	1.3	
	ZZHJF32-12	2021.11.21		1.0	0.7	
				1.0	1.2	
				1.0	1.5	
				1.0	1.7	
				100	1.3	
		2021.12.03		1.0	2.1	
				1.0	1.5	
				1.0	1.9	
				1.0	1.6	
				100	1.3	
	ZZHJF34-01	2021.11.21		1.0	1.7	
				1.0	1.3	
		2021.12.03		1.0	1.1	
				1.0	1.2	
	ZZHJF34-04	2021.11.21		1.0	1.5	
				1.0	2.1	
		2021.12.03		1.0	1.5	
				1.0	1.4	
/	ZZHJF36	2021.11.21		20	2.3	

				(L/min)	(%)	
				40	1.7	
				50	1.5	
		2021.12.03		20	1.3	
				40	1.7	
				50	2.1	
/	ZZHJF35-02	2021.11.21		20	2.4	
				40	2.1	
				50	1.6	
		2021.12.03		20	1.5	
				40	1.7	
				50	2.1	

		/				YQ-AX174	
/		L/min	L/min		(%)	(%)	
( ) 2022.03.21	YQ-AX112	20.0	20.1	20.2	0.2	5	
		40.0	40.2	40.1	0.1	5	
		50.0	50.1	50.2	0.1	5	
2022.03.21	YQ-AX148	20.0	20.2	20.1	0.2	5	
		40.0	40.2	40.1	0.1	5	
		50.0	50.2	50.1	0.1	5	
( ) 2022.03.22	YQ-AX112	20.0	20.1	20.2	0.2	5	
		40.0	40.2	40.0	0.2	5	
		50.0	50.1	50.3	0.2	5	
2022.03.22	YQ-AX148	20.0	20.1	20.2	0.2	5	
		40.0	40.2	40.1	0.1	5	
		50.0	50.1	50.2	0.1	5	

		/			YQ-AX174		
/		mL/min	mL/min		(%)	(%)	
2022.03.21	YQ-AX104	100.0	100.1	100.3	0.1	5	
2022.03.22	YQ-AX104	100.0	100.1	100.3	0.1	5	

		(mg/m^3)	(%)	(%)	
	VOCs( )	0.07	5	19	
			7		
		0.07	7		
			1	61	
		0.07	3		
		0.07	6		
	VOCs( )	0.07	1	69	
		0.07	1		
			3		

	(mg/m^3)	1.0	/	
		1.0		
	(mg/m^3)	0.01	0.01	
		0.01	0.01	
		0.01	0.01	
	(mg/m^3)	0.004	0.004	
		0.004	0.004	
		0.004	0.004	
	(mg/m^3)	0.004	0.004	
		0.004	0.004	
		0.004	0.004	
	(mg/m^3)	0.006	0.006	
		0.006	0.006	
		0.006	0.006	
	/	0.009	0.009	

	(mg/m^3)	0.009	0.009	
		0.009	0.009	
	(mg/m^3)	0.004	0.004	
		0.004	0.004	
		0.004	0.004	
	(mg/m^3)	0.004	0.004	
		0.004	0.004	
		0.004	0.004	
	(mg/m^3)	0.2	0.2	
		0.2		
		0.2	0.2	
		0.2		
	(mg/m^3)	0.001	/	
		0.001		
	(mg/m^3)	0.25	/	
		0.25		
		0.25		
	(mg/m^3)	0.2	0.2	
		0.2		
		0.2	0.2	
		0.2		
	(mg/m^3)	0.001	/	
		0.001		
	(mg/m^3)	0.001	/	
		0.001		
	(mg/m^3)	0.01	/	
		0.01		

FQ2203-22D-015		mg/m^3	ND
FQ2203-22D-011		mg/m^3	ND
FQ2203-22D-007		mg/m^3	ND
( )		mg/m^3	ND
		mg/m^3	ND
		mg/m^3	ND

	(g/m^3)	0.4	0.4	
		0.4		

	(g/m^3)	0.4	0.4	
		0.4		
	(g/m^3)	0.3	0.3	
		0.3		
	/ (g/m^3)	0.6	0.6	
		0.6		
	(g/m^3)	0.6	0.6	
		0.6		
		0.6	0.6	
		0.6		
	(mg/m^3)	0.005	/	
		0.005		

(GB 12348-2008)

0.5dB 0.5dB

8.2-5

	AWA 6228+	ZZHJF 22-05	dB(A)	94.0 ( )	11 23	93.8	0	
					11 23	93.8		
					11 23	93.8	0	
					11 23	93.8		
					11 24	93.8	0	
					11 24	93.8		
					11 24	93.8	0	
					11 24	93.8		

(HJ 91.1-2019)

( ) (HJ/T 373-2007)

10% 8.2-6 8.2-7

	(%)	(mg/L)	(mg/L)	
	0	19.0 23.0	19.4	
	3		21.6	
	1	500 50	478	
	1		489	
	0	/	/	
	0			
	0.5	0.400 0.040	0.418	
	0.2			
	0	0.80 0.08	0.81	
	0			
	0	3.00 0.30	3.03	
	0.4			
	0	1.00 0.1	0.977	
	0		0.973	
	0	/	/	
	0			
	1	50 5	51	
	1			
	0.7	/	/	
	0.7			

					(%)	
(mg/L)		0.5	0.5	0.5	0.5	/	
(mg/L)		0	0	/	/	/	
(NTU)		2	2	/	/	/	
(mg/L)		4	4	4	4	/	
(mg/L)		0.025	0.025	0.025	0.025	/	
(mg/L)		0.01	0.01	0.01	0.01	/	
(mg/L)		0.05	0.05	0.05	0.05	93	
(mg/L)		0.01	0.01	0.01	0.01	/	
(mg/L)		10	10	10	10	/	
(mg/L)		0.1	0.1	0.1	0.1	/	
(mg/L)		10	10	/	/	/	
		0.4	/	0.4	/	108	
						101	
		0.3	/	0.3	/	111	

						(%)	
						114	
		0.3	/	0.3	/	115	
						87.3	
	/	0.5	/	0.5	/	96.5	
						85.7	
		0.2	/	0.2	/	109	
						95.5	
		0.2	/	0.2	/	111	
						90.0	
		0.3	/	0.3	/	102	
						86.4	

		(%)				
			-D8	4-		
	C1124-1-1a	89.9	117	115		HJ 639-2012
	C1124-1-1b	86.0	117	115		HJ 639-2012
	C1124-1-2	90.1	116	110		HJ 639-2012
	C1124-1-3	86.4	118	113		HJ 639-2012
	C1124-1-4	84.3	118	112		HJ 639-2012
	C1124-2-1	82.3	112	117		HJ 639-2012
	C1124-2-2	87.2	114	119		HJ 639-2012
	C1124-2-3	83.0	117	114		HJ 639-2012
	C1124-2-4	84.0	114	107		HJ 639-2012
	C1125-1-1a	80.2	99.1	113		HJ 639-2012
	C1125-1-1b	93.3	99.2	111		HJ 639-2012
	C1125-1-2	87.9	104	105		HJ 639-2012
	C1125-1-3	90.5	101	115		HJ 639-2012
	C1125-1-4	86.5	115	119		HJ 639-2012
	C1125-2-1	83.6	116	113		HJ 639-2012
	C1125-2-2	82.6	106	109		HJ 639-2012
	C1125-2-3	87.3	105	110		HJ 639-2012
	C1125-2-4	84.0	107	110		HJ 639-2012

(HJ/T 166-2004)

10%

8.2-9 8.2-10 8.2-11

					(%)	
(mg/kg)	<0.01	<0.01	<0.01	<0.01	/	2	
(mg/kg)	<0.002	<0.002	<0.002	<0.002	/	3	
(mg/kg)	<0.01	<0.01	<0.01	<0.01	/	6	
(mg/kg)	<0.5	<0.5	<0.5	<0.5	/	/	
(mg/kg)	<4	<4	<4	<4	/	2	
(mg/kg)	<1	<1	<1	<1	/	2	
(mg/kg)	<3	<3	<3	<3	/	0	
(mg/kg)	<1	<1	<1	<1	/	2	
(mg/kg)	<10	<10	<10	<10	/	3	
(g/kg)	<1.0		<1.0		<1.0	/	
(g/kg)	<1.0		<1.0		<1.0	/	
1,1- (g/kg)	<1.0		<1.0		<1.0	/	
(g/kg)	<1.5		<1.5		<1.5	/	
-1,2- (g/kg)	<1.4		<1.4		<1.4	/	
1,1- (g/kg)	<1.2		<1.2		<1.2	/	
-1,2- (g/kg)	<1.3		<1.3		<1.3	/	
(g/kg)	<1.1		<1.1		<1.1	/	
1,2- (g/kg)	<1.3		<1.3		<1.3	/	
1,1,1- (g/kg)	<1.3		<1.3		<1.3	/	
(g/kg)	<1.3		<1.3		<1.3	/	
(g/kg)	<1.9		<1.9		<1.9	/	
1,2- (g/kg)	<1.1		<1.1		<1.1	/	
(g/kg)	<1.2		<1.2		<1.2	/	
1,1,2- (g/kg)	<1.2		<1.2		<1.2	/	
(g/kg)	<1.3		<1.3		<1.3	/	
(g/kg)	<1.4		<1.4		<1.4	/	
1,1,1,2- (g/kg)	<1.2		<1.2		<1.2	/	
(g/kg)	<1.2		<1.2		<1.2	/	
(g/kg)	<1.2		<1.2		<1.2	/	
/ (g/kg)	<1.2		<1.2		<1.2	/	
(g/kg)	<1.1		<1.1		<1.1	/	
1,2,3-	<1.2		<1.2		<1.2	/	

				(%)	
(g/kg)					
(g/kg)	<1.2	<1.2	<1.2	/	
1,1,2,2- (g/kg)	<1.2	<1.2	<1.2	/	
1,4- (g/kg)	<1.5	<1.5	<1.5	/	
1,2- (g/kg)	<1.5	<1.5	<1.5	/	
(g/kg)	<0.4	<0.4	<0.4	/	
(mg/kg)	<0.09	<0.09	/	/	
(mg/kg)	<0.09	<0.09	/	/	
2- (mg/kg)	<0.06	<0.06	/	/	
[a] (mg/kg)	<0.1	<0.1	/	/	
[a] (mg/kg)	<0.1	<0.1	/	/	
[b] (mg/kg)	<0.2	<0.2	/	/	
[k] (mg/kg)	<0.1	<0.1	/	/	
(mg/kg)	<0.1	<0.1	/	/	
[a, h] (mg/kg)	<0.1	<0.1	/	/	
[1,2,3-cd] (mg/kg)	<0.1	<0.1	/	/	
(C_{10}-C_{40})(mg/kg)	<6	<6	/	/	

		(%)				
			-D8	4-		
	G1125-1a-1a	95.6	113	110		HJ 605-2011
	G1125-1a-1b	80.5	106	101		HJ 605-2011
	G1125-1b-1	84.3	101	106		HJ 605-2011
	G1125-1c-1	81.7	99.4	117		HJ 605-2011
	G1125-2a-1	84.0	118	104		HJ 605-2011
	G1125-2b-1	83.5	116	109		HJ 605-2011
	G1125-2c-1	82.5	115	116		HJ 605-2011

		(%)				
		-D6	-D5	4,4 - -D14		
	G1125-1a-1a	84.9	110	120		HJ 834-2017
	G1125-1a-1b	86.1	109	111		HJ 834-2017
	G1125-1b-1	84.9	106	117		HJ 834-2017

		(%)				
		-D6	-D5	4,4 - -D14		
	G1125-1c-1	89.9	113	111		HJ 834-2017
	G1125-2a-1	88.6	112	119		HJ 834-2017
	G1125-2b-1	91.0	114	110		HJ 834-2017
	G1125-2c-1	92.7	115	110		HJ 834-2017

		(%)		
		101		HJ 1082-2019
		100		HJ 834-2017
		98.2		HJ 834-2017
	2-	100		HJ 834-2017
	[a]	101		HJ 834-2017
	[a]	101		HJ 834-2017
	[b]	102		HJ 834-2017
	[k]	102		HJ 834-2017
		101		HJ 834-2017
	[a, h]	101		HJ 834-2017
	[1,2,3-cd]	97.4		HJ 834-2017

(mg/kg)	10.6 0.8	10.5	
(mg/kg)	0.052 0.006	0.054	
(mg/kg)	0.13 0.01	0.12	
(mg/kg)	65 2	64	
(mg/kg)	65 3	64	
(mg/kg)	28.5 1.2	29.5	
(mg/kg)	21.6 0.8	22.4	
(mg/kg)	21.6 1.2	21.9	

8.2-12 8.2-16

						(%)
DX2203-21D-001		mg/L	450	448	449	0.22

						(%)
DX2203-22D-001			447	445	446	0.22
DX2203-21D-001		mg/L	676	680	678	0.30
DX2203-22D-001			672	668	670	0.30
DX2203-21D-001		mg/L	483	485	484	0.21
DX2203-22D-001			521	525	523	0.38
DX2203-21D-003		mg/L	144	143	144	0.35
DX2203-22D-003			153	152	152	0.33
DX2203-22D-016		mg/L	0.008L	0.008L	0.008L	/
DX2203-21D-005		mg/L	0.02	0.02	0.02	0.00
DX2203-21D-002		mg/L	0.0003L	0.0003L	0.0003L	/
DX2203-22D-002			0.0003L	0.0003L	0.0003L	/
DX2203-21D-001		mg/L	1.80	1.84	1.83	1.10
DX2203-22D-001			1.84	1.88	1.86	1.08
DX2203-21D-001		mg/L	0.11	0.12	0.12	4.35
DX2203-22D-001			0.13	0.14	0.14	3.70
DX2203-21D-006		mg/L	0.005L	0.005L	0.005L	/
DX2203-22D-006			0.005L	0.005L	0.005L	/
DX2203-21D-005		mg/L	63.1	63.8	63.4	0.55
DX2203-21D-003	(N)	mg/L	0.001L	0.001L	0.001L	/
DX2203-22D-003			0.001L	0.001L	0.001L	/
DX2203-22D-003	(N)	mg/L	6.79	6.77	6.78	0.15
DX2203-21D-002		mg/L	0.002L	0.002L	0.002L	/
DX2203-22D-002			0.002L	0.002L	0.002L	/
DX2203-21D-003		mg/L	0.4	0.4	0.4	0.00
DX2203-22D-003			0.4	0.4	0.4	0.00

						(%)
DX2203-21D-005		g/L	0.08	0.08	0.08	0.00
DX2203-22D-024			0.08	0.07	0.08	6.67
DX2203-21D-024		g/L	0.3L	0.3L	0.3L	/
DX2203-22D-024			0.3L	0.3L	0.3L	/
DX2203-21D-005		g/L	0.5L	0.5L	0.5L	/
DX2203-22D-032		g/L	2.5L	2.5L	2.5L	/
DX2203-21D-005		mg/L	0.004L	0.004L	0.004L	/
DX2203-22D-005			0.004L	0.004L	0.004L	/
DX2203-22D-016		mg/L	2.35	2.35	2.35	0.00
DX2203-21D-005		mg/L	270	283	276	2.35
		mg/L	49.5	48.8	49.2	0.71
DX2203-21D-007	CO_3^{2-}	mmol/L	0	0	0	0.00
DX2203-22D-007			0	0	0	0.00
DX2203-21D-007	HCO_3^-	mmol/L	3.11	3.09	3.10	0.32
DX2203-22D-007			3.10	3.08	3.09	0.32
	+L					

		mg/L	5L
		mg/L	0.01L
		mg/L	0.008L
		mg/L	0.01L
( )		mg/L	0.0003L
		mg/L	0.02L
		mg/L	0.005L
		mg/L	0.01L
		MPN/100mL	
		CFU/mL	
	(N)	mg/L	0.001l
( )	(N)	mg/L	0.02l
		mg/L	0.002l
		g/L	0.04L

		g/L	0.3L
		g/L	0.5L
		mg/L	0.004L
		g/L	2.5L
		mg/L	0.05L
		mg/L	0.02L
		mg/L	0.002L
	ND	+L	

DX2203-21D-011		g/L	1.4L
		g/L	2.2L
		g/L	1.4L
		g/L	0.6L
DX2203-22D-011		g/L	1.4L
		g/L	2.2L
		g/L	1.4L
		g/L	0.6L
		+L	

DX2203-21D-010		g/L	1.4L
		g/L	2.2L
		g/L	1.4L
		g/L	0.6L
DX2203-22D-010		g/L	1.4L
		g/L	2.2L
		g/L	1.4L
		g/L	0.6L
		+L	

	(g/kg)				(%)	
DX2203-21D-009		1.4L	1.4L	1.4L	/	
		2.2L	2.2L	2.2L	/	
		1.4L	1.4L	1.4L	/	
		0.6L	0.6L	0.6L	/	
DX2203-22D-009		1.4L	1.4L	1.4L	/	
		2.2L	2.2L	2.2L	/	
		1.4L	1.4L	1.4L	/	

	(g/kg)				(%)	
		0.6L	0.6L	0.6L	/	
	+L					

9.1-1

2021.11.22 2021.12.02	1		5500 t/a	19.5 t/d	4680 t/a	85.1%
2021.11.22 2021.12.02	2	PVAC	3000 t/a	10.5 t/d	2520 t/a	84.0%
2021.11.22 2021.12.02	3		1000 t/a	3.5 t/d	840 t/a	84.0%
2021.11.22 2021.12.02	4		3000 t/a	10.8 t/d	2592 t/a	86.4%
2021.11.22 2021.12.02	5		1500 t/a	5.4 t/d	1296 t/a	86.4%
2021.11.22 2021.12.02	6		2000 t/a	7.0 t/d	1680 t/a	84.0%
2021.11.22 2021.12.02	7		2500 t/a	8.5 t/d	2040 t/a	81.6%
2021.11.22 2021.12.02	8		1000 t/a	3.5 t/d	840 t/a	84.0%
2021.11.22 2021.12.02	9		3000 t/a	10.5 t/d	2520 t/a	84.0%
2021.11.22 2021.12.02	1		60 t/a	0.212 t/d	50.9 t/a	84.8%
2021.11.22 2021.12.02	2		10 t/a	0.036 t/d	8.6 t/a	86.4%

2022.3.21 2022.3.22	1		5500 t/a	19.2 t/d	4608 t/a	83.8%
2022.3.21 2022.3.22	2	PVAC	3000 t/a	10.8 t/d	2592 t/a	86.4%
2022.3.21 2022.3.22	3		1000 t/a	3.5 t/d	840 t/a	84.0%
2022.3.21 2022.3.22	4		3000 t/a	10.6 t/d	2544 t/a	84.8%
2022.3.21 2022.3.22	5		1500 t/a	5.4 t/d	1296 t/a	86.4%
2022.3.21 2022.3.22	6		2000 t/a	7.2 t/d	1728 t/a	86.4%
2022.3.21 2022.3.22	7		2500 t/a	8.9 t/d	2136 t/a	85.4%
2022.3.21 2022.3.22	8		1000 t/a	3.6 t/d	864 t/a	86.4%
2022.3.21 2022.3.22	9		3000 t/a	10.8 t/d	2592 t/a	86.4%
2022.3.21 2022.3.22	1		60 t/a	0.208 t/d	49.9 t/a	83.2%
2022.3.21 2022.3.22	2		10 t/a	0.036 t/d	8.6 t/a	86.4%

1

(mg/m^3)	0.01	0.01	0.03
VOCs( )(mg/m^3)	31.4	40.4	43.8
( )	29	29	29
(m^3/h)	15926	15699	15647
(m/s)	13.0	12.8	12.8
		/	0.7m
	2021.11.24		
(mg/m^3)	0.118	0.097	0.077
(mg/m^3)	0.412	0.316	0.067
(mg/m^3)	0.01	<0.01	<0.01
VOCs( )(mg/m^3)	42.5	39.3	42.2
( )	29	29	29
(m^3/h)	15773	15173	15668
(m/s)	12.9	12.4	12.8
		25m	0.8m
	2021.11.23		
(mg/m^3)	0.049	0.040	0.147
(kg/h)	$7.94\ 10^{-4}$	$6.58\ 10^{-4}$	$2.37\ 10^{-3}$
(mg/m^3)	0.093	0.089	0.074
(kg/h)	$1.51\ 10^{-3}$	$1.46\ 10^{-3}$	$1.19\ 10^{-3}$
(mg/m^3)	<0.01	<0.01	<0.01
(kg/h)	0	0	0
VOCs( )(mg/m^3)	2.58	2.52	2.13
(kg/h)	0.0418	0.0415	0.0344
( )	17.2	17.2	17.3
(m^3/h)	16212	16453	16145
(m/s)	9.7	9.8	9.7
		25m	0.8m
	2021.11.24		
(mg/m^3)	0.105	0.018	0.075
(kg/h)	$1.70\ 10^{-3}$	$2.91\ 10^{-4}$	$1.22\ 10^{-3}$
(mg/m^3)	0.054	ND	0.037
(kg/h)	$8.75\ 10^{-4}$	0	$6.04\ 10^{-4}$
(mg/m^3)	<0.01	<0.01	<0.01
(kg/h)	0	0	$1.63\ 10^{-4}$
VOCs( )(mg/m^3)	2.59	2.45	2.05
(kg/h)	0.0420	0.0396	0.0335

( )	17.4	9.7	17.3
(m^3/h)	16210	16169	16319
(m/s)	9.7	9.7	9.8
	ND		

			/		0.8m
	2021.11.22				
(mg/m^3)	<0.004	<0.004		<0.004	
VOCs( )(mg/m^3)	40.2	39.8		45.7	
(mg/m^3)	0.90	1.00		0.97	
( )	11.9	12.0		10.5	
(m^3/h)	18853	18280		17689	
(m/s)	11.1	10.8		10.3	
			/		0.8m
	2021.11.23				
(mg/m^3)	0.043	0.153		0.028	
VOCs( )(mg/m^3)	43.4	42.2		36.2	
(mg/m^3)	0.83	0.99		1.05	
( )	9.9	10.1		10.4	
(m^3/h)	18179	18750		20145	
(m/s)	10.4	10.8		11.6	
			25m		0.8m
	2021.11.22				
(mg/m^3)	<0.004	<0.004		<0.004	
(kg/h)	0	0		0	
VOCs( )(mg/m^3)	2.65	2.92		2.83	
(kg/h)	0.0464	0.0548		0.0544	
(mg/m^3)	0.44	0.66		0.69	
(kg/h)	$7.70\ \ 10^{-3}$	0.0124		0.0133	
( )	9.1	9.1		9.2	
(m^3/h)	17499	18784		19224	
(m/s)	9.9	10.7		10.9	
			25m		0.8m
	2021.11.23				
(mg/m^3)	<0.004	0.042		0.022	

(kg/h)	0	7.96 10^{-4}	4.23 10^{-4}
VOCs( )(mg/m^3)	2.87	2.75	2.77
(kg/h)	0.0515	0.0521	0.0532
(mg/m^3)	0.35	0.62	0.70
(kg/h)	6.29 10^{-3}	0.0117	0.0135
( )	9.8	9.8	9.9
(m^3/h)	17961	18945	19221
(m/s)	10.4	11.0	11.2

(m)	27					
	2022.03.21			2022.03.22		
(%)	3.2	3.2	3.2	3.2	3.2	3.2
(%)	21.0	20.8	20.9	20.8	20.9	20.8
(m/s)	3.3	3.3	3.2	3.2	3.4	3.5
( )	13.7	17.3	17.1	19.9	22.8	24.4
(m^2)	0.332			0.332		
(m^3/h)	3633	3589	3483	3449	3629	3714
NO (mg/m^3)	5	4	6	3	3	5
NO (kg/h)	0.018	0.014	0.021	0.010	0.011	0.019
(mg/m^3)	4.73	4.61	4.55	4.87	4.75	4.58
(kg/h)	0.017	0.017	0.019	0.017	0.017	0.017
(mg/m^3)	1.08	1.12	1.15	1.07	1.16	1.14
(kg/h)	0.004	0.004	0.004	0.004	0.004	0.004
(mg/m^3)	5.1	5.7	4.9	5.8	5.6	5.0
(kg/h)	0.019	0.020	0.017	0.020	0.020	0.019

			/		0.4m
	2021.11.22				
VOCs( )(mg/m^3)	48.5	48.2		49.5	
(mg/m^3)	0.021	0.047		0.044	
(mg/m^3)	0.083	0.099		0.090	
(mg/m^3)	0.010	0.025		0.018	
/ (mg/m^3)	<0.009	0.034		0.026	

(mg/m^3)	0.009	0.009	0.010
(mg/m^3)	0.017	0.034	0.025
(mg/m^3)	0.140	0.248	0.213
(mg/m^3)	0.506	0.510	0.508
(mg/m^3)	0.92	1.06	1.05
( )	$9.77\ 10^3$	$1.74\ 10^4$	$1.32\ 10^4$
( )	10.3	10.9	10.7
(m^3/h)	5517	5560	5623
(m/s)	13.0	13.1	13.2
		/	0.4m
	2021.11.23		
VOCs( )(mg/m^3)	50.2	50.3	51.0
(mg/m^3)	0.006	0.015	0.013
(mg/m^3)	0.100	0.020	0.100
(mg/m^3)	0.008	<0.006	<0.006
/ (mg/m^3)	<0.009	<0.009	<0.009
(mg/m^3)	0.004	<0.004	<0.004
(mg/m^3)	0.015	0.009	0.009
(mg/m^3)	0.133	0.044	0.122
(mg/m^3)	0.508	0.506	0.507
(mg/m^3)	0.93	1.16	1.10
( )	$1.32\ 10^4$	$1.32\ 10^4$	$1.74\ 10^4$
( )	9.3	9.4	9.4
(m^3/h)	5773	5109	5517
(m/s)	13.2	11.7	12.6
		25m	0.5m
	2021.11.22		
VOCs( )(mg/m^3)	3.16	3.31	3.42
(kg/h)	0.0175	0.0183	0.0190
(mg/m^3)	0.018	0.043	0.038
(kg/h)	$9.95\ 10^{-5}$	$2.37\ 10^{-4}$	$2.11\ 10^{-4}$
(mg/m^3)	0.075	0.042	0.062
(kg/h)	$4.15\ 10^{-4}$	$2.32\ 10^{-4}$	$3.44\ 10^{-4}$
(mg/m^3)	0.007	0.012	0.011
(kg/h)	$3.87\ 10^{-5}$	$6.62\ 10^{-5}$	$6.10\ 10^{-5}$
/ (mg/m^3)	<0.009	0.015	0.011
(kg/h)	0	$8.28\ 10^{-5}$	$6.10\ 10^{-5}$
(mg/m^3)	<0.004	<0.004	<0.004
(kg/h)	0	0	0

(mg/m^3)	0.014	0.020	0.018
(kg/h)	$7.74\ 10^{-5}$	$1.10\ 10^{-4}$	$9.98\ 10^{-5}$
(mg/m^3)	0.114	0.132	0.140
(kg/h)	$6.30\ 10^{-4}$	$7.28\ 10^{-4}$	$7.76\ 10^{-4}$
(mg/m^3)	0.011	0.009	0.010
(kg/h)	$6.08\ 10^{-5}$	$4.97\ 10^{-5}$	$5.55\ 10^{-5}$
(mg/m^3)	0.47	0.65	0.46
(kg/h)	$2.60\ 10^{-3}$	$3.59\ 10^{-3}$	$2.55\ 10^{-3}$
( )	417	550	550
( )	10.4	10.5	10.5
(m^3/h)	5527	5517	5545
(m/s)	8.2	8.2	8.3
		25m	0.5m
	2021.11.23		
VOCs( )(mg/m^3)	3.25	3.27	3.10
(kg/h)	0.0170	0.0169	0.0167
(mg/m^3)	<0.004	0.012	0.013
(kg/h)	0	$6.21\ 10^{-5}$	$7.01\ 10^{-5}$
(mg/m^3)	0.008	0.013	<0.004
(kg/h)	$4.18\ 10^{-5}$	$6.73\ 10^{-5}$	0
(mg/m^3)	<0.006	<0.006	<0.006
(kg/h)	0	0	0
/ (mg/m^3)	<0.009	<0.009	<0.009
(kg/h)	0	0	0
(mg/m^3)	<0.004	<0.004	<0.004
(kg/h)	0	0	0
(mg/m^3)	0.007	0.007	<0.004
(kg/h)	$3.66\ 10^{-5}$	$3.62\ 10^{-5}$	0
(mg/m^3)	0.015	0.039	0.013
(kg/h)	$7.84\ 10^{-5}$	$2.02\ 10^{-4}$	$7.01\ 10^{-5}$
(mg/m^3)	0.012	0.011	0.010
(kg/h)	$6.27\ 10^{-5}$	$5.69\ 10^{-5}$	$5.39\ 10^{-5}$
(mg/m^3)	0.49	0.56	0.62
(kg/h)	$2.56\ 10^{-3}$	$2.90\ 10^{-3}$	$3.34\ 10^{-3}$
( )	417	417	550
( )	8.1	8.1	8.2
(m^3/h)	5225	5175	5392
(m/s)	7.7	7.6	8.0

		18m	0.6m
	2021.11.25		

	(mg/m^3)		2.3	2.2	2.4	2.1	2.4		
	(kg/h)	$7.69\ 10^{-3}$		$7.45\ 10^{-3}$		$6.96\ 10^{-3}$			
	(mg/m^3)		<2	<2	<2	<2	<2		
	(kg/h)	0		0		0			
	(mg/m^3)	7	8	13	14	27	28		
	(kg/h)	0.0256		0.0440		0.0894			
	( )	<1		<1		<1			
	( )	72.6		77.7		79.1			
	(m^3/h)	3663		3386		3312			
	(m/s)	4.5		4.6		4.6			
	(%)	5.0		4.9		5.9			
					18m		0.6m		
				2021.11.30					
	(mg/m^3)	2.4	2.4	2.2	2.3	2.3	2.4		
	(kg/h)	$8.63\ 10^{-3}$		$7.19\ 10^{-3}$		$7.46\ 10^{-3}$			
	(mg/m^3)	4	4	<2	<2	<2	<2		
	(kg/h)	0.0144		0		0			
	(mg/m^3)	38	37	31	32	33	34		
	(kg/h)	0.137		0.101		0.107			
	( )	<1		<1		<1			
	( )	79.9		76.3		78.8			
	(m^3/h)	3594		3269		3242			
	(m/s)	5.0		4.5		4.5			
	(%)	2.6		4.0		4.1			

			P1 ( )			
			VOCs( )			
			(m^3/h)	(mg/m^3)	(kg/h)	%
2021.11.23	1		15926	31.4	0.5001	91.6
			16212	2.58	0.0418	
	2		15699	40.4	0.6342	93.5
			16453	2.52	0.0415	
	3		15647	43.8	0.6853	95.0
			16145	2.13	0.0344	
2021.11.24	1		15773	42.5	0.670	93.7
			16210	2.59	0.042	
	2		15173	39.3	0.5963	93.4
			16169	2.45	0.0396	
	3		15668	42.2	0.6612	94.9
			16319	2.05	0.0335	

			P2 ( )						
				VOCs( )					
			(m^3/h)	(mg/m^3)	(kg/h)	%	(mg/m^3)	(kg/h)	%
2021.11.22	1		18853	40.2	0.7579	93.9	0.9	0.0170	54.7
			17499	2.65	0.0464		0.44	$7.70\ 10^{-3}$	
	2		18280	39.8	0.7275	92.5	1	0.0183	32.2
			18784	2.92	0.0548		0.66	0.0124	
	3		17689	45.7	0.8084	93.3	0.97	0.0172	22.7
			19224	2.83	0.0544		0.69	0.0133	
2021.11.23	1		18179	43.4	0.789	93.5	0.83	0.0151	58.3
			17961	2.65	0.0515		0.35	$6.29\ 10^{-3}$	
	2		18750	42.2	0.7913	93.4	0.99	0.0186	37.1
			18945	2.92	0.0521		0.62	0.0117	
	3		20145	36.2	0.729249	92.7	1.05	0.0212	36.3
			19221	2.83	0.0532		0.7	0.0135	

			( )						
				VOCs( )					
			(m^3/h)	(mg/m^3)	(kg/h)	%	(mg/m^3)	(kg/h)	%
2021. 11.22	1		5517	48.5	0.2676	93.5	0.506	0.0028	98.2
			5527	3.16	0.0175		0.011	$4.97\ 10^{-5}$	
	2		5560	48.2	0.2680	93.2	0.0028	0.5080	98.0
			5517	3.31	0.0183		$6.08\ 10^{-5}$	0.01	
	3		5623	49.5	0.2783	93.2	0.51	0.0029	98.1

			5545	3.42	0.0190		0.009	5.55 10^{-5}	
2021.11.23	1		5773	50.2	0.2898	94.1	0.508	0.0029	97.9
			5225	3.25	0.0170		0.012	6.27 10^{-5}	
	2		5109	50.3	0.2570	93.4	0.506	0.0026	97.8
			5175	3.27	0.0169		0.011	5.69 10^{-5}	
	3		5517	51	0.2814	94.1	0.507	0.0028	98.1
			5392	3.1	0.0167		0.01	5.39 10^{-5}	
			(m^3/h)	(mg/m^3)	(kg/h)	%	(mg/m^3)	(kg/h)	%
2021.11.22	1		5517	0.92	0.0059	39.2	9.77 10^3	/	95.7
			5527	0.47	3.59 10^{-3}		417	/	
	2		5560	0.0051	1.0500	56.2	1.74 10^4	/	96.8
			5517	2.60 10^{-3}	0.4600		550	/	
	3		5623	1.06	0.0059	56.8	1.32 10^4	/	95.8
			5545	0.65	2.55 10^{-3}		550	/	
2021.11.23	1		5773	0.93	0.0054	52.6	1.32 10^4	/	96.8
			5225	0.49	2.56 10^{-3}		417	/	
	2		5109	1.16	0.0059	50.8	1.32 10^4	/	96.8
			5175	0.56	2.90 10^{-3}		417	/	
	3		5517	1.1	0.0061	45.2	1.74 10^4	/	96.8
			5392	0.62	3.34 10^{-3}		550	/	

1# VOCs( ) 0.147mg/m^3 0.093mg/m^3 2.59mg/m^3 VOCs( ) 2.37 10^{-3}kg/h 1.51 10^{-3}kg/h 0.042kg/h VOCs( ) 6 (DB37/2801.6-2018) 1 (GB 31572-2015) 4 6 (DB37/2801.6-2018) 2 GB 37824-2019 1

2# VOCs( ) 2.92mg/m^3 0.70mg/m^3 VOCs( ) 0.0548kg/h 0.0135kg/h VOCs( )

6 (DB37/2801.6-2018)
1 2 GB 37824-2019
1 (GB 31572-2015) 4 VOCs(
) 6
(DB37/2801.6-2018) 1 (GB14554-93)
2
1.16mg/m^3
0.019mg/m^3 5.8mg/m^3
0.004kg/h 0.021kg/h 0.02kg/h 0.017kg/h
(DB37/2376-2019) 1
(GB31573-2015) 3

(GB16297-1996) 2
VOCs( )
3.42mg/m^3 0.14mg/m^3
0.012mg/m^3 0.65mg/m^3 550( ) VOCs( )
0.019kg/h 7.76 10^{-4}kg/h 6.27 10^{-5}kg/h 3.59 10^{-3}kg/h
VOCs( )
( )
(DB37/3161-2018) 1

2.4mg/m^3 4.0mg/m^3 36mg/m^3
8.63 10^{-3}kg/h 0.0144kg/h 0.137kg/h <1 SO_2
NO (DB37/2374-2018)
2
2# 3.8mg/m^3
0.021kg/h
(DB37/2376-2019) 1 (GB
31572-2015) 4 GB

37824-2019 1

(GB16297-1996)

(2)

			( )	(kPa)		(m/s)
2021.12.01			9.8	101.3		0.9
			9.9	101.3		0.8
			8.5	101.3		1.0
			7.9	101.2		1.0
2021.12.02			8.1	101.3		0.8
			8.8	101.3		0.7
			7.5	101.3		0.9
			7.0	101.3		0.9

2021.12.

	(g/m^3)	<0.4	0.5	0.4	0.7
	(g/m^3)	<0.3	<0.3	<0.3	<0.3
	/ (g/m^3)	<0.6	<0.6	<0.6	<0.6
	(g/m^3)	<0.6	<0.6	<0.6	<0.6
	(g/m^3)	<0.6	<0.6	<0.6	<0.6
	(g/m^3)	ND	ND	ND	ND
	(mg/m^3)	ND	0.5	0.4	1.1
	(mg/m^3)	<0.03	<0.03	<0.03	<0.03
	(mg/m^3)	<0.02	0.172	0.088	0.038
	(mg/m^3)	0.224	0.328	0.311	0.328
ƷI.IƷ.0I	(mg/m^3)	0.013	0.022	0.017	0.017
	(mg/m^3)	0.11	0.11	0.12	0.13
	(mg/m^3)	<0.001	<0.001	<0.001	<0.001
	( )	<10	12	11	12
	ND	0		Ƹ	
	VOCs( )(mg/m^3)	0.38	1.26	1.07	1.21
	(g/m^3)	<0.4	<0.4	0.5	<0.4
	(g/m^3)	0.4	0.5	1.1	<0.4
	(g/m^3)	<0.3	<0.3	0.6	<0.3
	/ (g/m^{8,} ^{m}				
	\ɯɯ ˙ ɯ ˙000I		˙000I	˙000I	˙000I
	I Ʒ(˙ ɯɯ ˙				
	\ɯɯ o	ƫ	ƫ	ɸ	ƫ
2021.12.01					
			1Ɛ0		Ɛ0
		0.03Ɛ0		˙Ɛ0	
		ɯ ˙) ɯɯ	Ɛ0.0	Ɛ0.0	Ɛ0.0
	ɯ	ɯɯ) ɯɯ o ˙ \ D	˙ɵ	˙ɵ	˙ɵ

	ND					
2021.12.02		VOCs( )(mg/m³)	0.42	1.18	1.17	1.11
		(g/m³)	<0.4	<0.4	0.4	<0.4
		(g/m³)	0.4	0.4	2.4	<0.4
		(g/m³)	<0.3	<0.3	1.1	<0.3
		/ (g/m³)	<0.6	<0.6	3.2	<0.6
		(g/m³)	<0.6	<0.6	<0.6	<0.6
		(g/m³)	<0.6	<0.6	1.6	<0.6
		(g/m³)	ND	ND	4.8	ND
		(mg/m³)	0.4	0.4	8.7	ND
		(mg/m³)	<0.03	<0.03	<0.03	<0.03
		(mg/m³)	<0.02	<0.02	0.037	<0.02
		(mg/m³)	0.257	0.360	0.360	0.360
		(mg/m³)	0.012	0.021	0.018	0.015
		(mg/m³)	0.03	0.10	0.11	0.10
		(mg/m³)	<0.001	<0.001	<0.001	<0.001
		( )	<10	12	12	12
	ND					
2021.12.02		VOCs( )(mg/m³)	0.43	1.15	1.02	1.11
		(g/m³)	<0.4	<0.4	0.6	<0.4
		(g/m³)	0.4	<0.4	2.5	0.5
		(g/m³)	<0.3	<0.3	1.8	<0.3
		/ (g/m³)	<0.6	<0.6	1.9	<0.6
		(g/m³)	<0.6	<0.6	<0.6	<0.6
		(g/m³)	<0.6	<0.6	0.9	<0.6
		(g/m³)	ND	ND	2.8	ND
		(mg/m³)	0.4	ND	7.7	0.5
		(mg/m³)	<0.03	<0.03	<0.03	<0.03
		(mg/m³)	<0.02	0.174	0.089	0.039
		(mg/m³)	0.241	0.361	0.344	0.327

(mg/m^3)	0.013	0.023	0.018	0.017
(mg/m^3)	0.07	0.12	0.13	0.14
(mg/m^3)	<0.001	<0.001	<0.001	<0.001
( )	<10	11	11	11
ND				
VOCs(				
)(mg/m^3)	0.36	1.15	1.04	1.17
(g/m^3)	<0.4	<0.4	0.4	<0.4

2021.12.02

(GB16297-1996)

2 (1.0mg/m³ 0.2mg/m³ 0.12mg/m³)

(GB31573-2015) 5 VOCs

6 (DB37/2801.6-2018)

3 ( )

(DB37/3161-2018) 2 (2.0mg/m³)

6 (DB37/2801.6-2018) 3 (

0.2mg/m³ 0.2mg/m³) ( )

(DB37/3161-2018) 2 (

1.0mg/m³) (GB14554-1993) 1

( )

(DB37/3161-2018) 2 (1.0mg/m³ 20)

			1#	2#
2021.12.01		(mg/m³)	1.22	1.34
		(mg/m³)	1.26	1.40
		(mg/m³)	1.33	1.31
2021.12.02		(mg/m³)	1.36	1.42
		(mg/m³)	1.32	1.37
		(mg/m³)	1.25	1.40

1# 2#

1.36mg/m³ 1.42mg/m³

(GB37822-2019) A.1

(10mg/m³)

2

2021 11 24 2021

11 25

	pH ( )	(mg/L)	(mg/L)	(mg/L)	( )	(mg/L)	(mg/L)	(mg/L)
	12.6	610	192	67	200	21.8	124	28.7
	12.7	615	195	79	200	38	135	24.3
	12.8	620	164	82	200	35.8	103	26.8
	12.6	628	184	69	200	28.7	105	25.9
2021.11.24	7.6	76	7.7	19	5	6.46	14.4	1.12
	7.7	68	:6					

(GB/T31962-2015) 1 A								
( )		350		200	--			7.7
(GB31573-2015) 1	6 9		--		--	40	60	

ND

			(mg/L)	(mg/L)	(mg/L)	(mg/L)	(g/L)	(g/L)	(g/L)	(g/L)
2021.11.24			0.014	377	176	2.04 10^3	<0.3	ND	<0.2	ND
			0.017	335	173	2.16 10^3	<0.3	ND	<0.2	ND
			<0.01	262	173	2.18 10^3	<0.3	ND	<0.2	ND
			0.014	432	172	2.00 10^3	<0.3	ND	<0.2	ND
			<0.01	179	9.6	1.16 10^3	<0.3	ND	<0.2	ND
			<0.01	186	9.7	1.30 10^3	<0.3	ND	<0.2	ND
			<0.01	152	9.6	1.07 10^3	<0.3	ND	<0.2	ND
			<0.01	193	9.6	1.11 10^3	<0.3	ND	<0.2	ND
			<0.01	178	9.6	1160	<0.3	ND	<0.2	ND
2021.11.25			0.017	405	176	2.14 10^3	<0.3	ND	<0.2	ND
			<0.01	326	180	2.17 10^3	<0.3	ND	<0.2	ND
			0.014	274	168	2.26 10^3	<0.3	ND	<0.2	ND
			<0.01	441	174	2.23 10^3	<0.3	ND	<0.2	ND
			<0.01	167	9.6	1.05 10^3	<0.3	ND	<0.2	ND

			<0.01	182	9.7	1.20 10^3	<0.3	ND	<0.2	ND
			<0.01	163	9.8	1.09 10^3	<0.3	ND	<0.2	ND
			<0.01	190	9.8	1.10 10^3	<0.3	ND	<0.2	ND
			<0.01	234	51.2	1160	<0.3	ND	<0.2	ND
			--	234	51.2	1160	--	--	--	--
(GB/T31962-2015) 1 A					--	--	--	--	--	
( )			--	--	--	--	--	--	--	--
(GB31573-2015) 1			--	--	--	--	--	--	--	--
1 DB 37 3416.1-2018			--	--	--		--	--	--	--

ND

pH

7.6 7.7

84 mg/L 8.1 mg/L 21 mg/L 5 7.62mg/L 19.2 mg/L 1.12 mg/L 234 mg/L

(GB/T31962-2015) 1 A ( )

(GB31573-2015) 1

3

2021 11 23 2021 11 24

	2021.11.23		2021.11.24	
	Leq(dB(A))	Leq(dB(A))	Leq(dB(A))	Leq(dB(A))
	54	47	62	48
	56	47	63	53
	56	47	63	48
	55	46	61	49

54 63dB(A)

46 53 dB(A)

(GB12348-2008)3

4

9.2-8

						(5)		
1				HW13265-103-13	4.2t/a	1.8 t	4.32t/a	
2				HW13265-101-13	2.25t/a	0.9 t	2.16t/a	
3				HW34261-057-34	10.57t/a	4.2 t	10.08t/a	
4				HW08 900-249-08	9t/8a	--	9t/8a	
5				HW49 900-039-49	11.4t/a	6 t	12t/a	
6				HW06 900-402-06	13t/a	5 t	12t/a	
7	(30%)			HW13 265-104-13	235.88t/a	92.5 t	222 t/a	
8				HW49 900-041-49	1t/a	0.45 t	1.08t/a	
				--	99t/a	40 t	96t/a	
9				--	3.24t/a	1.3 t	3.12t/a	
10				HW11 900-013-11	11.8t/a	5 t	12t/a	

11					0.25t/3a	--	0.25t/3a	
12					1.314t/a	0.61t	1.464t/a	
13					27t/a	5.6t	13.44t/a	

5

0.92t/a 2.63t/a 0.386t/a 1.536t/a

0.023t/a

0.674t/a 0.184t/a 0.735t/a

7

	SO_2	NO		VOCs
		kg/h	1000 85%	
1#	--	--	--	0.263t/a
2#	--	--	--	0.353t/a
	--	0.105t/a	--	--
	--	--	--	0.119t/a
	0.023t/a	0.569t/a	0.051t/a	--
2#	--	--	0.133t/a	--
	0.023t/a	0.674t/a	0.184t/a	0.735t/a
	0.92t/a	2.63t/a	0.386t/a	1.536t/a

2022 3 21 -2022 3 22

9.3-1

		2022.03.21		2022.03.22		2022.03.21		2022.03.22	
pH		7.6	7.7	7.7	7.7	7.6	7.9	7.6	7.8
	mg/L	449	435	446	431	441	453	440	449
	mg/L	678	692	670	688	644	656	636	664
	mg/L	484	456	524	467	533	507	561	488
	mg/L	144	152	152	157	146	163	140	160
	mg/L	0.07	0.06	0.04	0.04	0.09	0.12	0.12	0.09
	mg/L	0.008L	0.008L	0.008L	0.008L	0.008L	0.008L	0.008L	0.008L
	mg/L	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.04
	mg/L	0.0003L	0.0003L	0.0003L	0.0003L	0.0003L	0.0003L	0.0003L	0.0003L
	mg/L	1.82	1.84	1.86	1.88	1.92	1.96	1.96	1.92
	mg/L	0.12	0.16	0.14	0.16	0.21	0.23	0.20	0.22
	mg/L	0.005L	0.005L	0.005L	0.005L	0.005L	0.005L	0.005L	0.005L
	mg/L	63.4	61.6	60.9	64.6	72.5	73.2	75.7	75.9
	MPN/100mL								
	CFU/mL	30	20	20	10		10	10	10
(N)	mg/L	0.001L	0.001L	0.001L	0.001L	0.001L	0.001L	0.001L	0.001L
(N)	mg/L	6.80	7.04	6.78	6.74	7.20	6.54	7.16	7.20
	mg/L	0.002L	0.002L	0.002L	0.002L	0.002L	0.002L	0.002L	0.002L

		2022.03.21		2022.03.22		2022.03.21		2022.03.22	
	mg/L	0.4	0.3	0.4	0.3	0.2	0.2	0.2	0.2
	g/L	0.07	0.06	0.06	0.07	0.13	0.07	0.08	0.07
	g/L	0.3L	0.3L	0.3L	0.3L	0.3L	0.3L	0.3L	0.3L
	g/L	0.5L	0.5L	0.5L	0.5L	0.5L	0.5L	0.5L	0.5L
	mg/L	0.004L	0.004L	0.004L	0.004L	0.004L	0.004L	0.004L	0.004L
	g/L	2.5L	2.5L	2.5L	2.5L	2.5L	2.5L	2.5L	2.5L
	g/L	1.4L	1.4L	1.4L	1.4L	1.4L	1.4L	1.4L	1.4L
	g/L	2.2L	2.2L	2.2L	2.2L	2.2L	2.2L	2.2L	2.2L
	g/L	1.4L	1.4L	1.4L	1.4L	1.4L	1.4L	1.4L	1.4L
	g/L	0.6L	0.6L	0.6L	0.6L	0.6L	0.6L	0.6L	0.6L
	mg/L	2.45	2.45	2.45	2.35	2.45	2.50	2.35	2.35
	mg/L	276	296	296	270	387	426	542	478
	mg/L	49.2	49.4	49.6	48.6	59.3	58.7	58.6	59.6
CO_3^{2-}	mmol/L	0	0	0	0	0	0	0	0
HCO_3^-	mmol/L	3.10	3.02	3.09	2.98	3.26	2.23	3.29	3.25
	+L								

(N

)

CO_3^{2-} HCO^{3-} SO_4^{2-} CL^-

(

)

$$P = \frac{C}{C}$$

P_i i

C_i i mg/l

C_{oi} i mg/l

--pH

$$P_{H,} = \frac{7.0 - H}{7.0 - H_d} \qquad H \leq 7.0$$

$$P_{H,} = \frac{H - 7.0}{H - 7.0} \qquad H > 7.0$$

P_{PHj} pH

pH_j pH

pH_{sd} pH

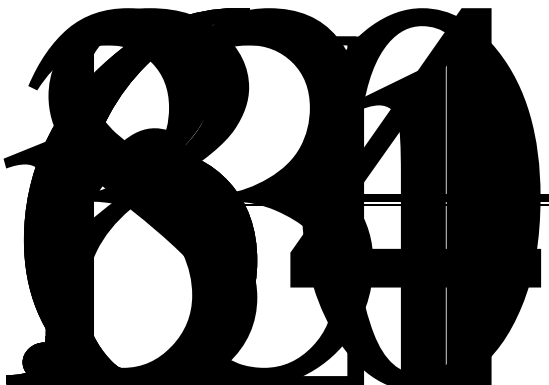
pH_{su} pH

1	pH	6.5 8.5	6		200mg/L
2		0.50mg/L	7		3.0mg/L
3	N	20.0mg/L	8		1.0 mg/L
4		450mg/L	9		250mg/L
5		1000mg/L	10		250mg/L

9.3-3

	2022.03.21		2022.03.22		2022.03.21		2022.03.22	
pH	0.40	0.47	0.47	0.47	0.40	0.60	0.40	0.53

	1.00	0.97	0.99	0.96	0.98	1.01	0.98	1.00
	0.68	0.69	0.67	0.69	0.64	0.66	0.64	0.66
	3.23	3.04	3.49	3.11	3.55	3.38	3.74	3.25
	0.58	0.61	0.61	0.63	0.58	0.65	0.56	0.64
	0.23	0.20	0.13	0.13	0.30	0.40	0.40	0.30
	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.04
	0.61	0.61	0.62	0.63	0.64	0.65	0.65	0.64
	0.24	0.32	0.28	0.32	0.42	0.46	0.40	0.44
	0.32	0.31	0.30	0.32	0.36	0.37	0.38	0.38
	0.30	0.20	0.20	0.10		0.10	0.10	0.10
(N)	0.34	0.35	0.34	0.34	0.36	0.33	0.36	0.36
	0.40	0.30	0.40	0.30	0.20	0.20	0.20	0.20
	0.07	0.06	0.06	0.07	0.13	0.07	0.08	0.07



10		mg/L	0.928	0.4	0.3	0.4	0.3
11	N	mg/L	0.018	0.001L	0.001L	0.001L	0.001L

2021 11 25

9.3-5

2021.11.25

(m)	0 0.5	0.5 1.5	1.5 3.0	0 0.5	0.5 1.5	1.5 3.0
(mg/kg)	9.76	11.0	9.01	9.84	10.2	10.0
(mg/kg)	0.046	0.049	0.047	0.044	0.051	0.038
(mg/kg)	0.08	0.12	0.11	0.07	0.17	0.10
(mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
(mg/kg)	19	16	24	17	28	30
(mg/kg)	24	35	31	35	32	33
(mg/kg)	54	29	29	22	45	36

	2021.11.25					
(m)	0 0.5	0.5 1.5	1.5 3.0	0 0.5	0.5 1.5	1.5 3.0
(g/kg)	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
(g/kg)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
1,1,1,2- (g/kg)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
(g/kg)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
(g/kg)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
/ (g/kg)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
(g/kg)	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
1,2,3- (g/kg)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
(g/kg)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,1,2,2- (g/kg)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,4- (g/kg)	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
1,2- (g/kg)	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
(g/kg)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
(mg/kg)	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
(mg/kg)	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
2- (mg/kg)	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
[a] (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
[a] (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
[b] (mg/kg)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
[k] (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
[a, h] (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
[1,2,3-cd] (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(C_{10}-C_{40})(mg/kg)	<6	<6	<6	<6	<6	<6
pH ( )	6.71	6.79	6.82	6.54	6.71	6.78
(mg/kg)	56.84	59.31	64.26	54.32	81.64	64.26

	2021.11.25
(m)	0 0.2

(mg/kg)	10.6
(mg/kg)	0.055
(mg/kg)	0.21
(mg/kg)	100
(mg/kg)	92
(mg/kg)	22
(mg/kg)	35
(mg/kg)	47
(C_{10}-C_{40})(mg/kg)	<6
pH ( )	6.59
(mg/kg)	74.14

	2021.12.23
(m)	0 0.2
(g/kg)	<1.9
(g/kg)	ND
(g/kg)	<1.1
	ND

( ) (GB 36600-2018) ( )

( ) (GB 15618 2018)

1,1- -1,2- 1,1- -1,2- 1,2- 1,1,1- 1,2- 1,1,2- 1,1,1,2- / 1,2,3- 1,1,2,2- 1,4- 1,2- (mg/kg) (mg/kg) 2- [a] [a] [b] [k] [a, h] [1,2,3-cd] (C10-C40) ( ) 40

6

8

		( ) (GB 36600-2018) ( )	( ) (GB 15618 2018) (6.5 pH 7.5)
1		60	30
2		38	2.4
3		65	0.3
4		900	100
5		18000	100
6		800	120
7			250
8			200

$$S = \frac{C}{C}$$

S_i

C_i i mg/kg

C_{si} i mg/kg

	0.0-0.5m	0.5-1.5m	1.5-3.0m	0.0-0.5m	0.5-1.5m	1.5-3.0m	0.0-0.2m
	0.16	0.18	0.15	0.16	0.17	0.17	0.35
	0.0012	0.0013	0.0012	0.0012	0.0013	0.0010	0.02
	0.0012	0.0018	0.0017	0.0011	0.0026	0.0015	0.70
	0.021	0.018	0.027	0.019	0.031	0.033	0.22
	0.0013	0.0019	0.0017	0.0019	0.0018	0.0018	0.47
	0.068	0.036	0.036	0.028	0.056	0.045	0.39
	--	--	--	--	--	--	0.50
	--	--	--	--	--	--	0.37

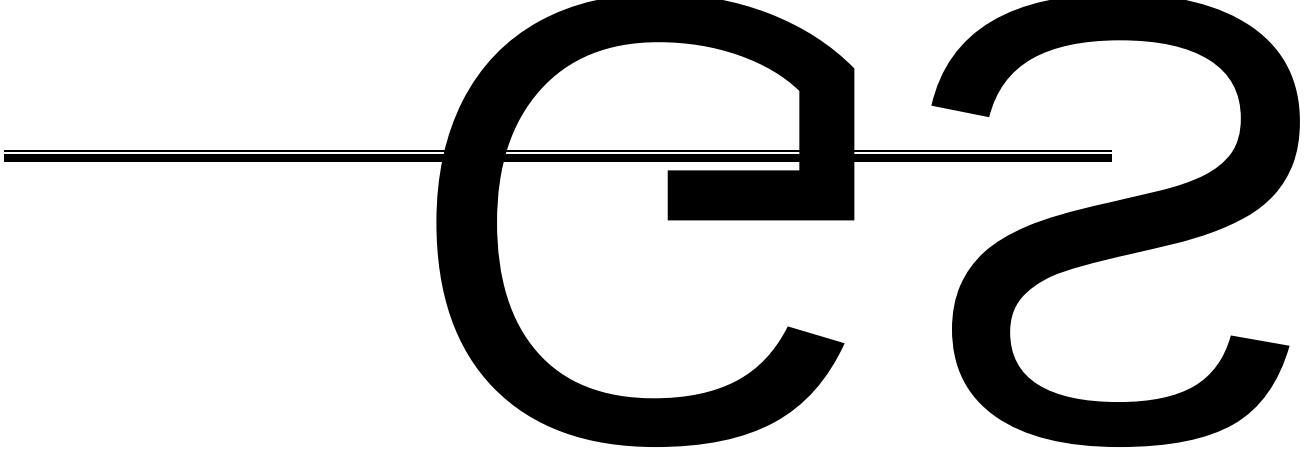
( ) (GB36600-2018)

( ) (GB15618-2018)

+

			0.0-0.5m	0.0-0.5m
1	(mg/kg)	5.81	9.76)ˆp °àò•8ÀÅ&–Ÿ1Ùà¹.E¤ÀBfÆÒ• ÀQ	#0Ð Ð YS„ á%5&
2	(mg/kg)	0.038	0.046	0.044
3	(mg/kg)	0.12	0.08	0.07
4	(mg/kg)			

1		
2		
3 ( ) 5	2019 10 28 [2019]210	



( )

2019 6

2019 10

28 [2019]210 2019 11

2021 3 2021 4 2021 8

35000 2010.68 74667m

1# 2#

5500 / PVAC

3000 / 1045 / 3030 / 1500

/ 2000 / 2500 /

92.5% 93.9% 22.7% 58.3%

VOCs( ) 93.2% 94.1%

39.2% 56.8% 97.8% 98.2%

95.7% 96.8% 2#

3

1

pH

7.6 7.7

84 mg/L 8.1 mg/L 21 mg/L 5 7.62mg/L 19.2 mg/L 1.12 mg/L 234 mg/L

(GB/T31962-2015) 1 A ( )

(GB31573-2015) 1

2

(1)

1# VOCs(

) 0.147mg/m^3 0.093mg/m^3 2.59mg/m^3

VOCs( ) 2.37 10^{-3}kg/h 1.51 10^{-3}kg/h

0.042kg/h VOCs( )

6 (DB37/2801.6-2018) 1

(GB 31572-2015) 4

6 (DB37/2801.6-2018)

2 GB 37824-2019 1

2# VOCs( )

2.92mg/m^3 0.70mg/m^3 VOCs( )

0.0548kg/h 0.0135kg/h VOCs( )

6 (DB37/2801.6-2018)
1 2 GB 37824-2019
1 (GB 31572-2015) 4 VOCs(
) 6
(DB37/2801.6-2018) 1 (GB14554-93)
2
1.16mg/m^3
0.019mg/m^3 5.8mg/m^3
0.004kg/h 0.021kg/h 0.02kg/h 0.017kg/h
(DB37/2376-2019) 1
(GB31573-2015) 3

(GB16297-1996) 2
VOCs( )
3.42mg/m^3 0.14mg/m^3
0.012mg/m^3 0.65mg/m^3 550( ) VOCs( )
0.019kg/h 7.76 10^{-4}kg/h 6.27 10^{-5}kg/h 3.59 10^{-3}kg/h
VOCs( )
( )
(DB37/3161-2018) 1

2.4mg/m^3 4.0mg/m^3 36mg/m^3
8.63 10^{-3}kg/h 0.0144kg/h 0.137kg/h <1 SO_2
NO (DB37/2374-2018)
2
2# 3.8mg/m^3
0.021kg/h (DB37/2376-2019)
1 (GB 31572-2015) 4
GB 37824-2019 1
(GB16297-1996) 2

(2)

VOCs( ) 1.29mg/m^3

0.6mg/m^3 2.5mg/m^3 0.5 g/m^3

2.8 g/m^3 7.7mg/m^3 0.174mg/m^3

0.395mg/m^3 0.025mg/m^3

0.14mg/m^3 14( )

(GB16297-1996)

2 (1.0mg/m^3 0.2mg/m^3 0.12mg/m^3) VOCs

6 (DB37/2801.6-2018)

3 ( )

(DB37/3161-2018) 2 (2.0mg/m^3)

6 (DB37/2801.6-2018) 3 (

0.2mg/m^3 0.2mg/m^3) ( )

(DB37/3161-2018) 2 (

1.0mg/m^3) (GB14554-1993) 1

( )

(DB37/3161-2018) 2 (1.0mg/m^3 20)

3

54 63dB(A)

46 53 dB(A)

(GB12348-2008)3

4

11.3.1

(GB/T14848-2017)

1.01 3.74

(GB/T14848-2017)

11.3.2

( ) (GB36600-2018)

( ) (GB15618-2018)

11.4.1

1# 2#

100m 560m

11.4.2

(370911-2022-003-M)

11.4.3

0.92t/a 2.63t/a 0.386t/a 1.536t/a

0.023t/a

0.674t/a 0.184t/a 0.735t/a

1

2

3

4

5