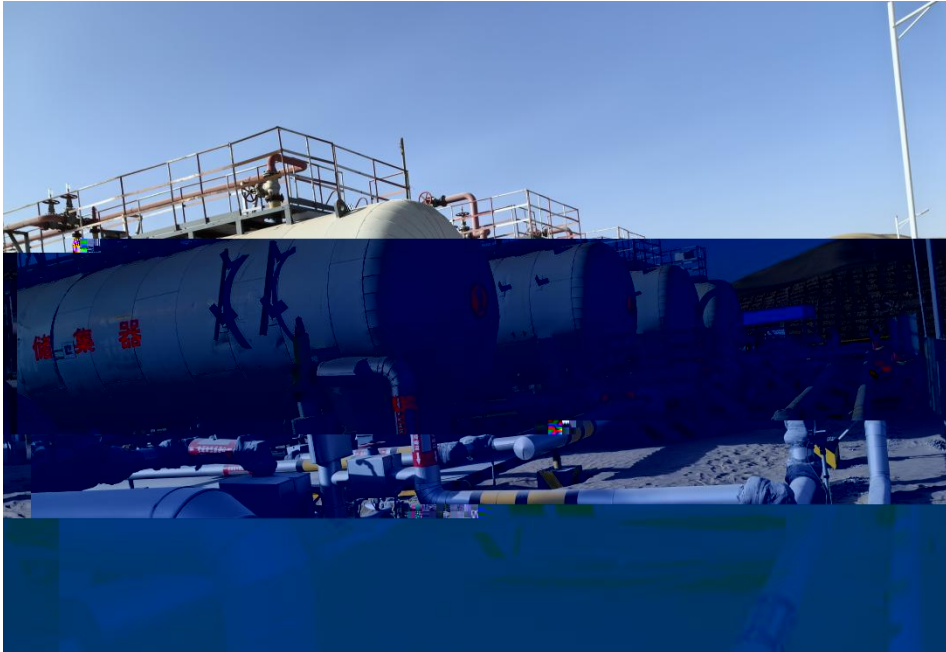


8X

[2024]-XHC-010



0991-3166255

0991-3166255

830000

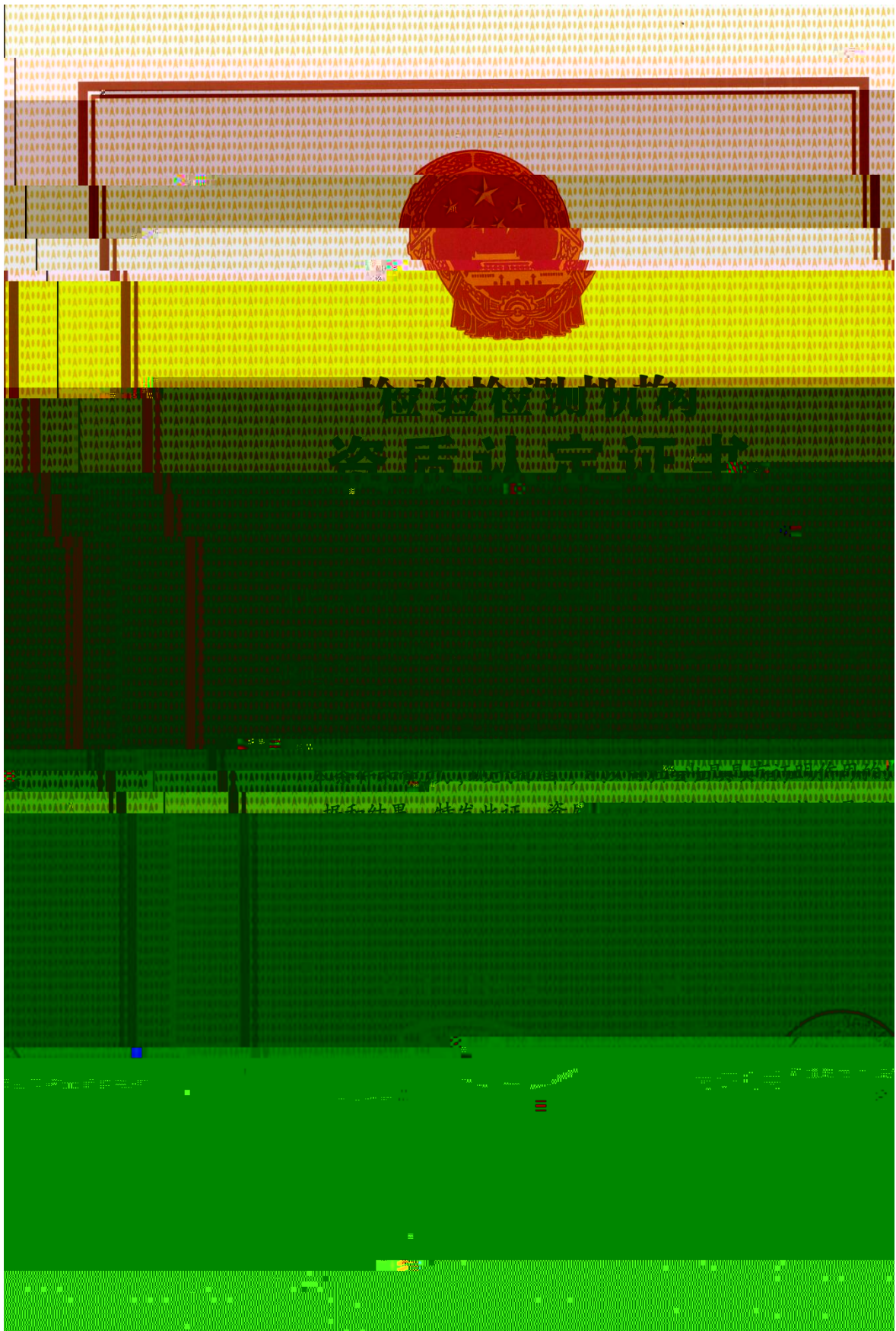
0991-3768459

0991-3768459

830026

466

1300



1	.....	1
2	.....	2
2.1	.....	2
2.2	.....	3
2.3	.....	4
2.4	.....	4
2.5	.....	4
2.6	.....	5
2.7	.....	5
3	.....	7
3.1	.....	7
3.2	.....	7
3.3	.....	13
4	.....	14
4.1	.....	14
4.2	.....	20
5	.....	24
5.1	.....	24
5.2	.....	26
5.3	.....	29
5.4	.....	31
6	.....	33
6.1	.....	33
6.2	.....	34
7	.....	51
7.1	.....	51
7.2	.....	51

7.3	.....	51
8	.....	53
8.1	.....	53
8.2	.....	53
8.3	.....	54
8.4	.....	55
8.5	.....	55
9	.....	56
9.1	.....	56
9.2	.....	56
9.3	.....	56
9.4	.....	57
9.5	.....	58
10	.....	59
10.1	.....	59
10.2	.....	59
10.3	.....	61
10.4	.....	61
	.....	63

1

65km

81°30 82°00

40°20 40°50

950m 985m

19979km²

8X

8X

8X

2023 1

8X

2023 2 17

2023 106

2023

3

2023 4

682

2017 4

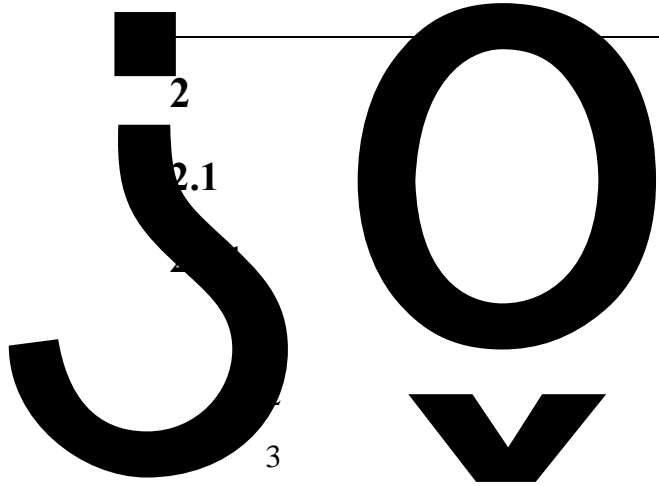
2023 12

8X

2024 1 19 ~2024 1

20

8X



2

2.1

3

4

5

6

7

8

10 1

2.1.2

1 Â

2017 4 2017 11 02

Ä2

2015 1 1

2018 10 26

2018 1 1

2022 6 5

2020 9 1

2019 1 1

2010 17? 25

QT@, @ñ0 Tu""5€•cs\$G—

682 P \$01P EI 3V•

9

2021 70 2021.8.23

10

HJ394-2007

11

12

HJ612-2011

13

14

HJ25.1-2019

2.1.3

1

8X

2023 1

2

8X

2023 106 2023 2 17

3

4

2.2

2.2.1

1

2

3

4

2.2.2

1

2
3
4
5

2.3

1

HJ/T394-2007

HJ612-2011

2
3

2.4

2.4-1

2.4-1

1		5km	
2		/	
3		1km 2km 1km 200m	
4		6km ² 200m	
5		200m	
6		1km	
7		/	

2.5

2.5.1

GB12348-2008 2

2.5-1

8X

2.5-1

	[dB A]	
	60	
	50	GB12348-2008 2

2.5.2

GB36600-2018 2

4500mg/kg

2.6

2019 4

2

3

2.6-1

2.6-1

1			GB/T14848-2017 III
2			
3		200m	/
4			

2.7

2

3

4

5

6

7

3

3.1

8X

3.1-1

3.1-1

1	8X	802		2021 524	2021 12 10		2023 3 23

3.2

3.2.1

- 1 8X
- 2
- 3
- 4
- 5
- 6
- 7

8X
8
2023
1
3.2-1
2023
2
17
2023
106
2023
3
2023
4
9
720
46.5
6.5%
10
0.67hm²
11

3.2.2

8X

8X

1

8X

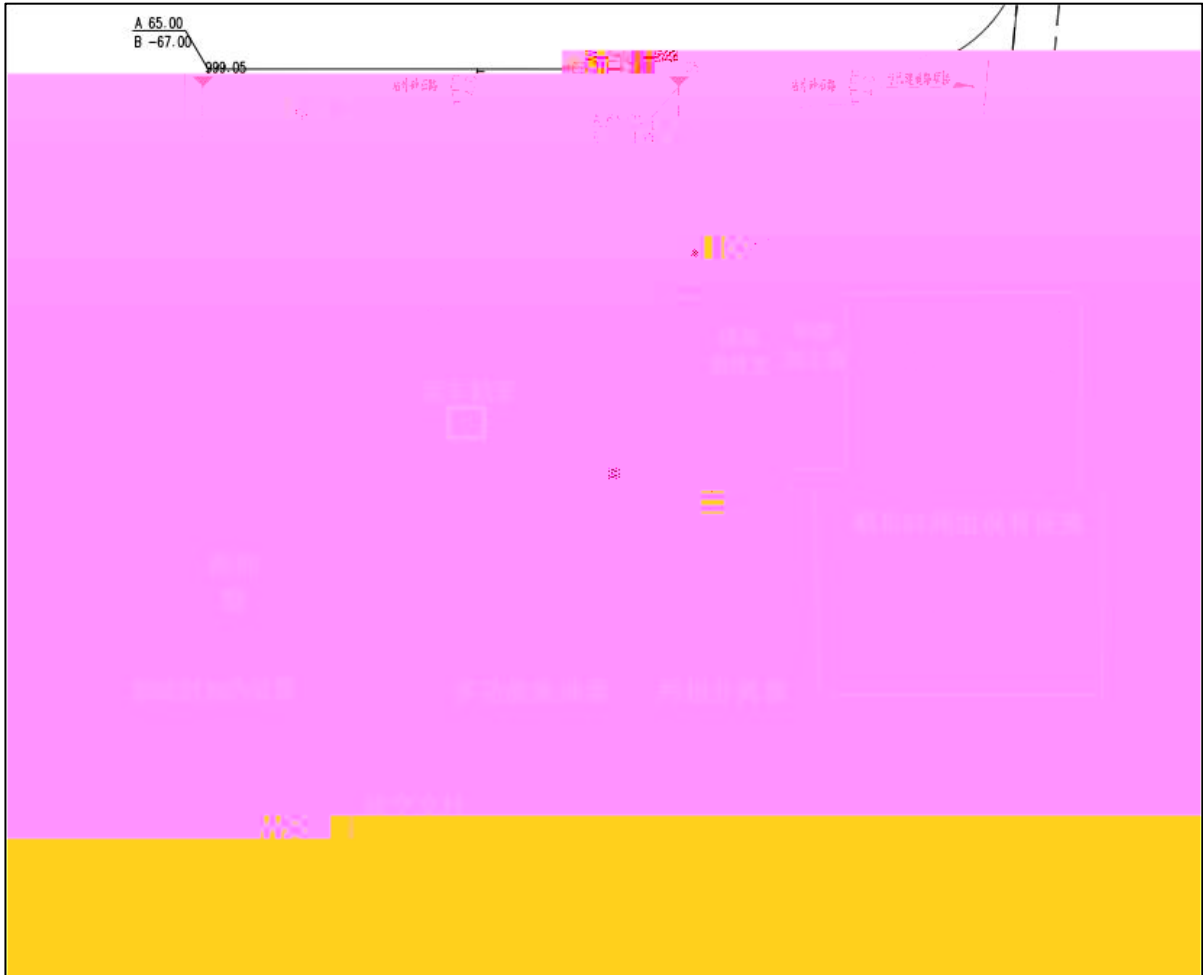
3.2-1

3.2-2

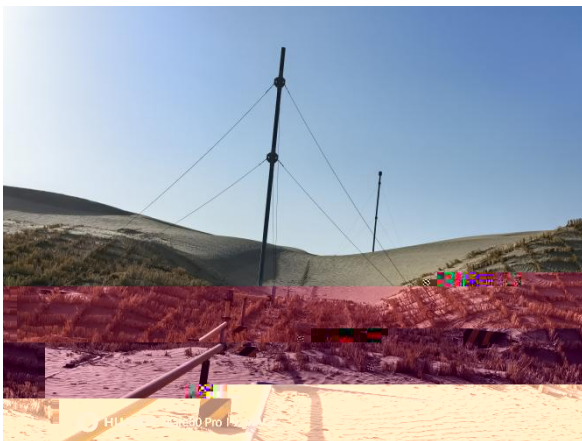
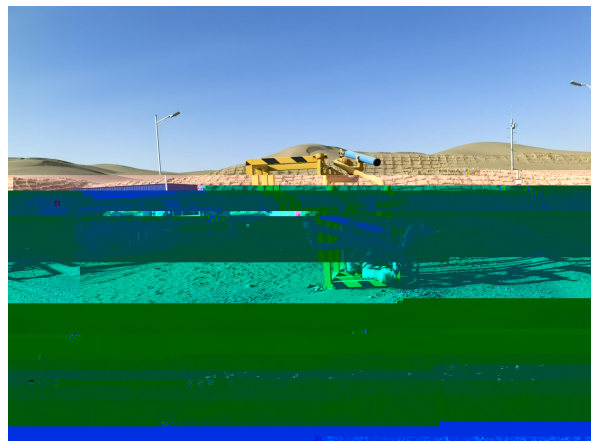
3.2-1						
1		--		1	1	

8X

2		PD6.3MPa 200kW		1	1	
3		PD1.6MPa 80m ³ /PD1.6MPa 100m ³		4	4	1 100m ³ 3 80m ³
4		--		1	1	
5				2	2	
6		PD6.3MPa 50L/h		1	1	
7		PD9.5MPa 50L/h		1	1	
8		DN150 H=15m		1	1	
9		DN100 H=10m		1	1	
10				1	1	
11				1	1	



3.2-2



3.2.3

1400~3500L/d

1200L/d

3.2.4

1

2

8X

8X
630kVA

1

1

8X

35kV

T

35kV

3

8X

SCADA

8X

È

4

8X

5

1

3

1

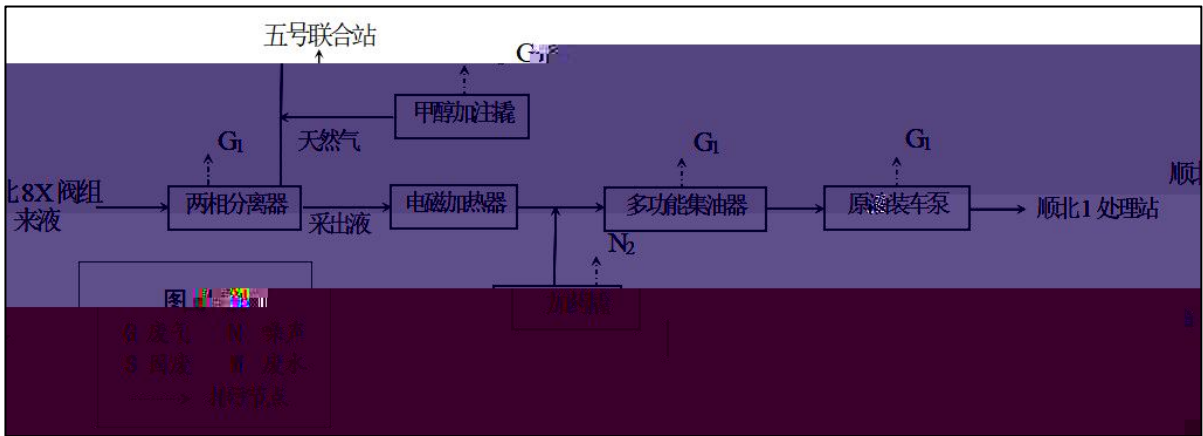
Ä6

1

2

3

1



3.2-3

3.2.6

1

5

1

100×10⁴t/a

3.8×10⁸m³/a

1500m³/d

+

+

8X

2019 8 8 2019 140
2021 12 16
2 1
1 2016 7 1 2016 846
2019 1 7 2019 1
66km 42km

40×10⁴t/a 50×10⁴m³/d
50

0.5%

2#

3.2-2

1	1	2018		2019 140	2019 8	2021 12	16

3.3

4

4.1

4.1.1

8X

8X

8X

1

1

4

1

2

1

1

1

1

340t/d

115×10⁴m³/d

717.19

35.5

4.7%

6

4.1.2

2014 7 25

4.1.3

2019

2021

2035

2035

2035

39 43dB A

GB3096-2008 2

GB36600-2018

GB15618-2018

GB36600-2018

2

200m

HJ964-2018

200m

4.1.7

1

GB39728-2020 5.7

2

1

2#

SY/T5329-2012

2#

1.825 m³/a

0.2482 m³/a

80m³/d

0.08m³/d

3

4

2021

15

GB5085.7-2019

2021 74

HW08 071-001-08

4.1.8

1

8X

155.3464μg/m³

7.77% H₂S

0.0867μg/m³

0.87%

76.3136~148.7323 $\mu\text{g}/\text{m}^3$

GB39728-2020

H₂S

0.3222~0.5144 g/m^3

GB14554-93 1

2

Cl·SO₄-Na·Mg

3.0~8.52 g/L

GB3838-2002

GB/T14848-2017

HJ610-2016

HJ610-2016 10.4.1

HJ610-2016 11.2.2

4.1.10

4.1.11

4

4.1.12

2035

4.2

2023 106 8X

8X

83°38 30.62

39°59 21.08

0.668hm²

0.096hm²

8X

8X

1

1

4

1

2

1

1

1

1

340t/d

8X

115×10⁴m³/d

717.19

35.5

4.7%

GB39728-2020

GB14554-93

1

2#

SY/T5329-2012

GB12348-2008

2

2021

HW08

GB18597-2001

GB36600-2018

3.138 /

2023

TH12286

3 5

5

10

5

5.1

5.1.1

0.67hm²

1

2

2022 214

3

4

5.1.2

1

2

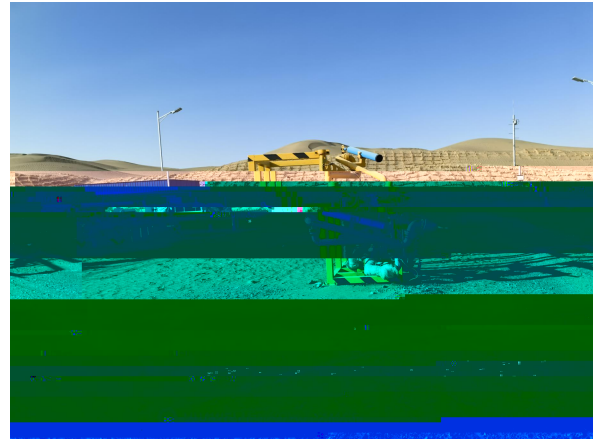
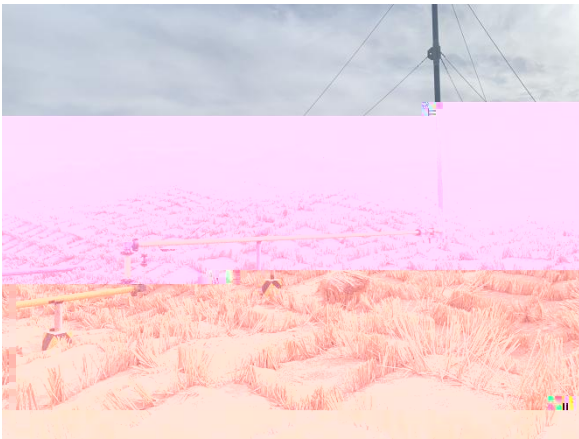
5.1.3

GB/T17296-2009

0.25mm

1m×1m

13500m²



5.1.4

5.1.5

5.1-1

8X

5.1-1

5.2

5.2.1

1

SY/T5329-2022

5.2-1

		1	

8X

	1	2# SY/T5329-2012	2# SY/T5329-2012	1
--	---	---------------------	---------------------	---

5.2.2

5.2-2

8X

	GB39728-2020 GB14554-93		GB39728-2020 H ₂ S GB14554-93 1
--	--------------------------------	--	--

5.2.3

5.2-2

	GB12348-2008 2		GB12348-2008 2

5.2.4

8X

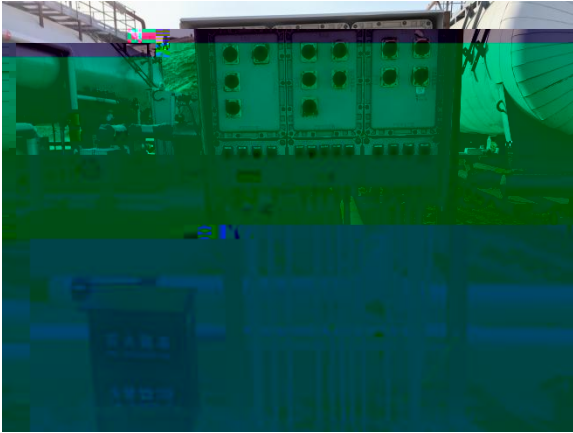
5.2-2

é Ñ⁴

2021

HW08 %

GB18597-2001



5.2-2

	GB36600-2018		10m 20m 30m 50m GB36600-2018
			652924-2023-011-M

3.138 / TH12286 2023	VOCs 3.138t/a	TH12286 GB39728-2020
------------------------------------	---------------	-----------------------------

5.4

	717.19	35.5	4.7%
720	46.5	6.5%	
5.4-1			
	5.4-1		

		/	1
		/	/
		/	/
		/	1
		1	/
		1	/
		0.5	0.5
		5	5

8X

			2	8
			5	5
			5	5
			4	4
	1		1	1
			1	1
			1	1
			1	1
			1	1
			3	3
			/	5
			4	4
			35.5	46.5

1

2

3

6.2

6.2.2

8.5.3

1

8X

H₂S

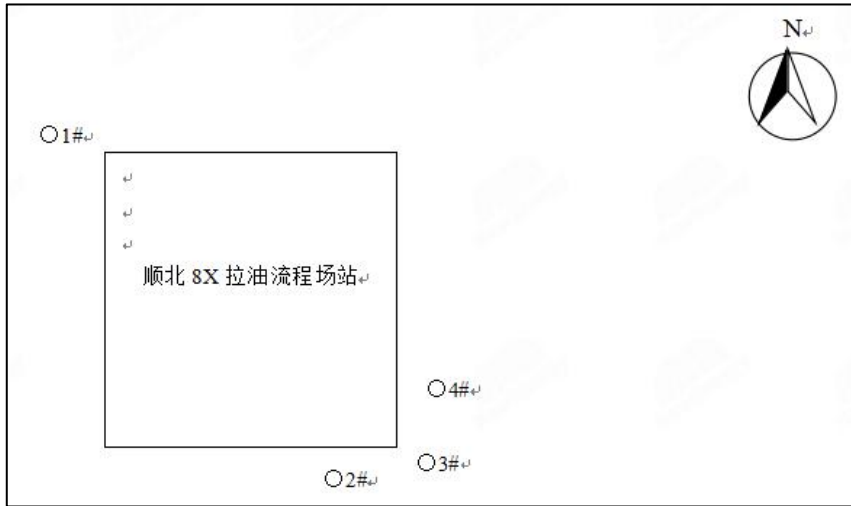
6.2-6

6.2-6

8X	1 3	H ₂ S	2024.1.19~ 2024.1.20	4 2

6.2-7

		m/s	°C	kpa	%	
2024/01/19		1.7~1.9	-1.8~2.0	91.2~91.4	41~44	
2024/01/20		2.1~2.3	-3.9~1.1	91.1~91.3	42.2~44.3	



6.2-1

2

6.2-8

6.2-8

1		-	HJ604-2017	0.07mg/m ³ GC-4000A XHC-SY107
2			GB11742-1989	0.005mg/m ³ 722N XHC-SY179

3

1

2

3

1

2

8X

1

2

4

8X

GB39728-2020

H₂S

GB14554-93 1

6.2-9

6.2-9

8X		4.0mg/m ³	GB39728-2020
		0.06mg/m ³	1 GB14554-93

5

8X

6.2-10

6.2-10

mg/m³

		H ₂ S					
		6.2-10					
8X	1#	1.34~1.40	4.0		ND	0.06	
	2#	1.45~1.59			0.006~0.008		
	3#	1.41~1.51			0.006~0.008		
	4#	1.52~1.74			ND~0.006		

8X

GB39728-2020

H₂S

GB14554-93 1

6.2.3

8.5.3

8X

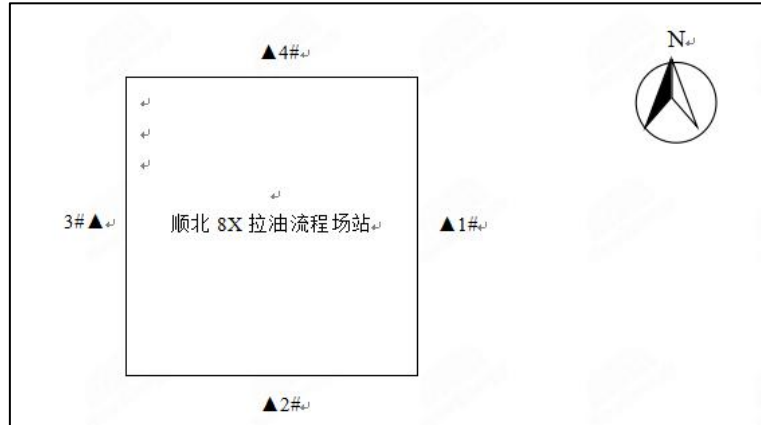
1

8X

6.2-11

6.2-11

8X	1m	A Leq	2024.1.19~2024.1.20	1 2d
----	----	----------	---------------------	---------



6.2-2

2

GB12348-2008

2

6.2-12

6.2-12

	[dB A]		
	60	GB12348-2008	AWA6228+
	50		XHC-SY176/426

3

GB12348-2008 2

6.2-13

6.2-13

	AWA6228+ XHC-SY176/426	GB12348-2008

4

0.5dB

8X

0.5dB A

5.0m/s

5

6.2-14

6.2-14

[dB A]

		6.2-14				[dB A]			
8X		44	41	60		37	38	50	
		42	41			38	37		
		42	42			36	38		
		42	41			35	38		

8X

GB12348-2008 2

6.2.4

8.5.3

1

6.2-15

6.2-15

		6.2-15						
	8X	10m	20m	30m	50m	pH	2024.1.20	1



6.2-3

2

6.2-16

6.2-16

			GB36600-2018
	2		

3

6.2-17

6.2-17

pH	2 NY/T 1121.2-2006	pH -	FE28 pH	XHC-SY039
C ₁₀ -C ₄₀	C ₁₀ -C ₄₀ HJ 1021-2019	6mg/kg	7820A	XHC-SY108
	4- HJ998-2018	0.3mg/kg	723N	XHC-SY052

4

HJ/T166-2004

1

6.2-18

HTSB-6	2028.5	pH		8.64±0.08	8.58	-0.06

2

6.2-19

					%	%
	C ₁₀ -C ₄₀	mg	1.24	1.04	83.9	70~120
		μg	20.0	18.4	92.0	80~110

3

6.2-20

						%
G23050295	2026.3.22	C ₁₀ -C ₄₀	mg/L	1240±10%	1212	-2.3

4

6.2-21

			1	2		%	
HT-5-1	C ₁₀ -C ₄₀	mg/kg	15	18	16	9.1	25%
HT-1-1		mg/kg	ND	ND	ND	0.0	30%

8X

6.2-22

			1	2				
HT-5-1	pH		9.10	9.10	9.10	0.00		0.2

HJ/T 166 -2004

5

6.2-23

6.2-23

mg/kg

			pH	C ₁₀ -C ₄₀	
1	8X		9.32	33	ND
2	8X	10m	9.64	25	ND
3	8X	20m	9.61	24	ND
4	8X	30m	9.83	24	ND
5	8X	50m	9.10	16	ND
			/	4500	/
			/		/

8X

10m 20m 30m 50m

GB36600-2018

6.2.5

1

6.2-24

1	5#	67m	6m
2	2#	40m	5m

2

K⁺ Na⁺ Ca²⁺ Mg²⁺ CO₃²⁻ HCO₃⁻ Cl⁻ SO₄²⁻
pH

3

2024 1 19 2024 1 20 2 / 2



6.2-4

4

HJ164-2020

1

6.2-25

							%
X156-34	B22050184	2025.6.6	pH		7.06±0.05	7.06	0.00
X158-24	200751	2026.10		mmol/L	1.70±0.10	1.72	1.2
X236-2	23033068	2024.3.30		µg/L	40±4	43.9	9.8
X236-2	23033068	2024.3.30		µg/L	40±4	40.0	0.0
X236-2	23033068	2024.3.30		µg/L	40±4	43.8	9.5
X236-2	23033068	2024.3.30		µg/L	40±4	43.9	9.8
X236-2	23033068	2024.3.30		µg/L	40±4	39.0	-2.5
X236-2	23033068	2024.3.30		µg/L	40±4	41.0	2.5
X103-40	200366	2026.10		mg/L	0.101±0.006	0.099	-2.0
X120-37	2031108	2026.3		mg/L	8.56±0.60	8.55	-0.1
X105-42	2005159	2026.10		mg/L	0.402±0.030	0.386	-4.0
X146-16	200850	2025.4		mg/L	1.90±0.09	1.98	4.2
X214-15	201758	2026.10		mg/L	0.533±0.023	0.526	-1.3
X113-40	202059	2027.03		µg/L	3.46±0.27	3.33	-3.8
X112-56	200459	2026.10		µg/L	83.6±5.0	81.7	-2.3
X170-27	B22120213	2025.2.1		µg/L	7.91±0.35	8.01	1.3
X122-37	203371	2027.10		mg/L	0.221±0.008	0.223	0.9
X144-86	A21110215	2024.12.9		mg/L	24.6±1.3	24.7	0.4
X110-36	23020134	2025.2.15		mg/L	10.00±5%	9.84	-1.6
X110-36	23020134	2025.2.15		mg/L	10.00±5%	9.58	-4.2
X110-36	23020134	2025.2.15		mg/L	10.00±5%	9.67	-3.3

							%
X110-36	23020134	2025.2.15	mg/L	10.00±5%	10.4		4.0
X234-7	B23020335	2024.4.3	mg/L	52.2±3.5	53.6		2.7
X145-29	B21070416	2024.9.27	mg/L	73.1±3.2	76.2		4.2
X117-35	B23080167	2025.9.6	mg/L	4.76±-			

						%		
			1	2				
SX-2-4		µg/L	63.5	80.9	72.2	12.0		20%
SX-2-4		µg/L	72.2	74.6	73.4	1.6		20%
SX-2-4		µg/L	0.16	0.21	0.18	13.5		20%
SX-2-4		µg/L	0.21	0.15	0.18	16.7		20%
SX-1-1		mg/L	ND	ND	ND	0.0		20%
SX-2-4		mg/L	ND	ND	ND	0.0		15%
SX-2-4		mg/L	1.49	1.48	1.48	0.3		20%
SX-1-1		mg/L	0.070	0.070	0.070	0.0		15%
SX-2-4		mg/L	ND	ND	ND	0.0		30%
SX-2-4		mg/L	0.118	0.119	0.118	0.4		15%
SX-2-4		mg/L	2.07	2.08	2.08	0.2		15%
SX-1-1		mg/L	ND	ND	ND	0.0		20%
SX-2-4		mg/L	1.74	1.74	1.74	0.0		8%
SX-2-4		mg/L	ND	ND	ND	0.0		10%
SX-2-4		µg/L	ND	ND	ND	0.0		20%
SX-2-4		µg/L	0.5	0.5	0.5	0.0		20%
SX-2-4		µg/L	6.2	6.2	6.2	0.0		20%
SX-2-4		mg/L	ND	ND	ND	0.0		15%
SX-2-4		µg/L	ND	ND	ND	0.0		30%
SX-2-4		µg/L	ND	ND	ND	0.0		30%
SX-2-4		µg/L	ND	ND	ND	0.0		30%
SX-2-4		µg/L	ND	ND	ND	0.0		30%
SX-2-4		mg/L	178	178	178	0.0		20%
SX-2-4		mg/L	2.30×10 ³	2.30×10 ³	2.30×10 ³	0.0		20%
SX-2-4		mg/L	324	319	322	0.8		20%
SX-2-4		mg/L	438	437	438	0.1		20%
SX-2-4		mg/L	ND	ND	ND	0.0		10%

						%		
			1	2				
SX-2-4		mg/L	62.6	62.6	62.6	0.0		8%
SX-2-4		mg/L	3.16×10 ³	3.16×10 ³	3.16×10 ³	0.0		10%
SX-2-4		mg/L	2.39×10 ³	2.38×10 ³	2.38×10 ³	0.2		10%

2

6.2-28

						%		
			1	2				
SX-1-3		µg/L	11.9	14.8	13.4	10.9		20%
SX-1-3		µg/L	18.0	17.9	18.0	0.3		20%
SX-1-3		µg/L	7.53	7.26	7.40	1.8		20%
SX-1-3		µg/L	10.6	9.15	9.88	7.3		20%
SX-1-3		µg/L	37.8	39.4	38.6	2.1		20%
SX-1-3		µg/L	0.21	0.16	0.18	13.5		20%
SX-1-3		µg/L	0.09	0.11	0.10	10.0		20%
SX-2-1		mg/L	0.070	0.076	0.073	4.1		15%
SX-1-1		mg/L	0.021	0.024	0.022	6.7		15%
SX-1-1		mg/L	2.52	2.67	2.60	2.9		15%
SX-2-2		mg/L	ND	ND	ND	0.0		20%
SX-1-2		µg/L	ND	ND	ND	0.0		20%
SX-1-2		µg/L	1.1	1.1	1.1	0.0		20%
SX-1-2		µg/L	4.4	4.6	4.5	2.2		20%
SX-2-3		µg/L	ND	ND	ND	0.0		30%
SX-2-3		µg/L	ND	ND	ND	0.0		30%
SX-2-3		µg/L	ND	ND	ND	0.0		30%
SX-2-3		µg/L	ND	ND	ND	0.0		30%

5

K⁺ Na⁺ Ca²⁺ Mg²⁺ CO₃²⁻ HCO₃⁻ Cl⁻ SO₄²⁻
pH

GB/T14848-2017

GB3838-2002

6

6.2-29

6.2-30

6.2-31

		6.2-29		1	
		5#		2#	
		2024/01/19		2024/01/20	
1	mg/L	161	171		

12		µg/L	66.0	32.4	38.6	53.4	47.0	71.0	60.2	73.4	200	
13		mg/L	ND	ND	ND	ND	ND	ND	ND	ND	0.002	
14		mg/L	ND	ND	ND	ND	ND	ND	ND	ND	0.3	
15		mg/L	1.4	1.4	1.5	1.5	1.7	1.1	1.4	1.5	3.0	
16		mg/L	0.070	0.058	0.072	0.076	0.073	0.096	0.058	0.116	0.50	
17		mg/L	ND	ND	ND	ND	ND	ND	ND	ND	0.02	
18		MPN/100mL	<2	<2	<2	<2	<2	<2	<2	<2	3	
19		CFU/mL	44	59	37	81	56	77	48	61	100	
20		mg/L	0.003	0.016	0.066	0.118	0.003	0.016	0.066	0.118	1.00	
21		mg/L	2.44	2.45	2.07	2.08	2.44	2.45	2.07	2.08	20.0	
22		mg/L	ND	ND	ND	ND	ND	ND	ND	ND	0.05	
23		mg/L	1.60	1.70	1.71	1.74	1.60	1.70	1.71	1.74	1.0	
24		mg/L	ND	ND	ND	ND	ND	ND	ND	ND	0.08	
25		µg/L	ND	ND	ND	ND	ND	ND	ND	ND	1	
26		µg/L	1.0	0.5	1.2	0.5	1.0	0.5	1.2	0.5	10	
27		µg/L	7.0	6.5	7.1	6.2	7.0	6.5	7.1	6.2	10	
28		µg/L	0.19	0.23	0.22	0.18	0.19	0.23	0.22	0.18	5	
29		mg/L	ND	0.005	ND	ND	ND	0.005	ND	ND	0.05	
30		µg/L	0.10	0.17	0.18	0.18	0.10	0.17	0.18	0.18	10	
31		µg/L	ND	ND	ND	ND	ND	ND	ND	ND	60	
32		µg/L	ND	ND	ND	ND	ND	ND	ND	ND	2.0	
33		µg/L	ND	ND	ND	ND	ND	ND	ND	ND	10.0	
34		µg/L	ND	ND	ND	ND	ND	ND	ND	ND	700	
35		mg/L	0.03	0.03	0.04	0.04	0.03	0.03	0.04	0.04	0.05	

8X

6.2-31		mg/L				
	1#	2#	3#	4#	5#	
	6600	5780	5580	4480	4640	450
	19700	13200	12900	12600	11200	1000
	0.76	0.88	0.98	1.04	1.09	1.0

Cl⁻ SO₄²⁻

Na⁺

Cl·SO₄-Na

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GB3838-2002

III

7

7.1

H₂S

H₂S

7.2

7.2.1

1

2

3

4

5

7.2.2

1

2

H₂S

3

5

6

7.2.3

1

2

3

QHSE

QHSE

4

5

7.3

652924-2023-011-M

8

8.1

2023 1

8X

2023 2 17

2023 106

2023

3

2023 4

8.2

HSE

HSE

8.3

8.3.1

- 1 HSE
- 2
- 3 HSE
- 4
- 5
- 6

8.3.2

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

8X

8.3.3

2021 6 10
 91650000742248144Q098Q 2023 8 31

8.4

8.4-1

8.4-1

			10m	1
		C ₁₀ -C ₄₀		5

8.5

8X

2023 106

3.138 /

2023

TH12286

TH12286

9
9.1

8X

0°j@ \$

B3 5;7kà

BSZ
8X 8X
30
Cí c J € \$W
S

9.4

9.4-1

9.4-1

			30
			0
			0
			30
			0
			0
			30
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			0
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			0
			30
			0
			0
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			0
			0
			30
			0
			0

8X

			0
			0
			0
			30
			30
			0
			0

9.5

30

30

100%

30

30

10

10.1

				0.668hm ²		0.096hm ²
				8X		8X
	1		1		4	1
2		1		1	1	1

10.2

10.2.1

1		0.67hm ²
2		
3		

10.2.2

1		
2		1
3		

III

10.2.3

1

2

8X

GB39728-2020

H₂S

GB14554-93 1

10.2.4

1

200m

2

8X

GB12348-2008 2

10.2.5

1

2

3

8X

10m 20m 30m

50m

GB36600-2018

10.2.6

QHSE

10-

10.4

	8X				/								
	B07						/						
	340t/d		115×10 ⁴ m ³ /d		340t/d		115×10 ⁴ m ³ /d						
	2023 3				2023 106								
					2023 4						/		
											/		
											/		
	717.19				35.5		%				4.7		
	720				46.5		%				6.5		
	2	5		1		3.5				18	17		
	/						/				8760h		
						91650000742248144Q				2023 12 ~2024 2			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	“ ”	(8)	(9)	(10)	(11)	(12)
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î	VOCs	/	/	4.0mg/m ³	/	/	3.138t/a	3.138t/a	/	/	/	/	/
	/	/	/	/	/	/	/	/	/	/	/	/	/
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