

	.....	II
1	.....	1
2	.....	1
3	.....	5
4	.....	7
5	.....	11
6	.....	17
7	.....	22
A	.....	23
B	.....	28

2015 7 1

2017 7 1

GB 8978-1996

GB8978-1996

COD

[1999]285

%

&

GB/T 6920 pH

GB/T 7466

GB/T 7467

GB/T 7469

GB/T 7470

GB/T 7471

GB/T 7472

GB/T 7475

7-~~10~~⁸ d \AA

GB/T 11912	
GB/T 11914	
GB/T 14204	
GB/T 14672	
GB/T 15432	
GB/T 15439	(a)
GB/T 15501	
GB/T 15502	
GB/T 15503	BPHA
GB/T 15516	
GB/T 15959	AOX
GB/T 16157	
GB/T 16489	
HJ/T 27	
HJ/T 28	
HJ/T 30	
HJ/T 31	
HJ/T 32	4-
HJ/T 33	
HJ/T 34	
HJ/T 35	
HJ/T 36	
HJ/T 37	
HJ/T 38	
HJ/T 39	
HJ/T 40	(a)
HJ/T 42	
HJ/T 43	
HJ/T 50	
HJ/T 55	
HJ/T 56	
HJ/T 57	
HJ/T 60	

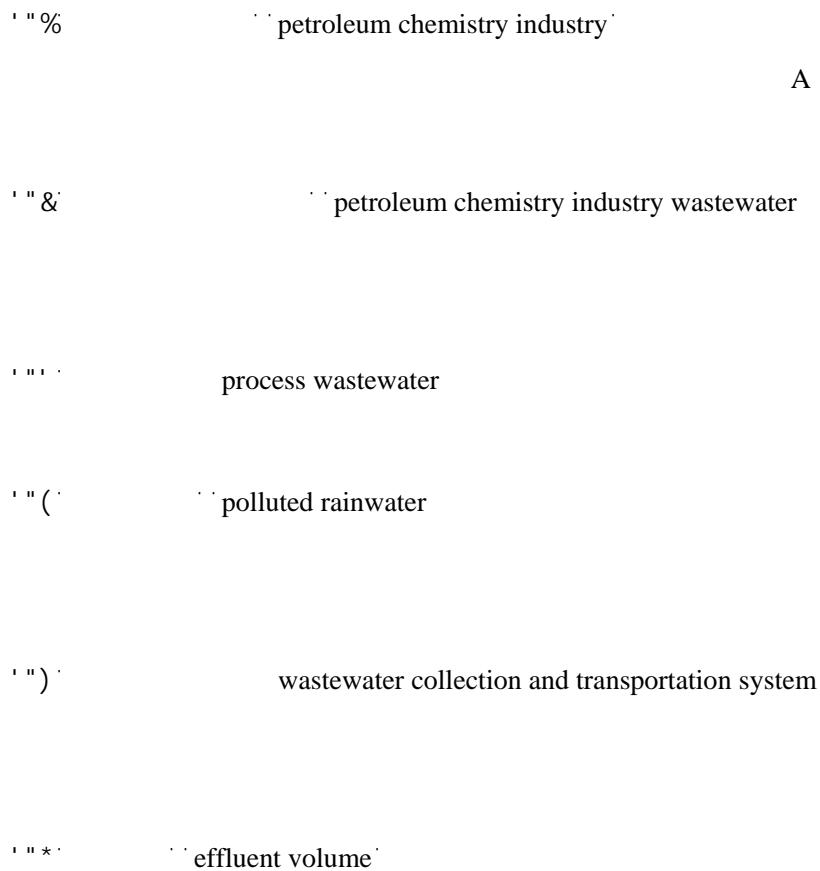
HJ/T 66	
HJ/T 67	
HJ/T 68	
HJ/T 70	
HJ/T 72	
HJ/T 73	
HJ/T 74	
HJ/T 75	
HJ/T 76	
HJ 77.1	
 HJ 77.2	
HJ/T 83	AOX
HJ/T 91	
HJ/T 132	
HJ/T 195	
HJ/T 200	
HJ/T 373	
HJ/T 397	
HJ/T 399	
HJ 478	
HJ 484	
HJ 485	
HJ 486	2,9- -1,10-
HJ 487	
HJ 488	
HJ 493	
HJ 494	
HJ 495	
HJ 501	
HJ 502	
HJ 503	4-
HJ 505	BOD ₅

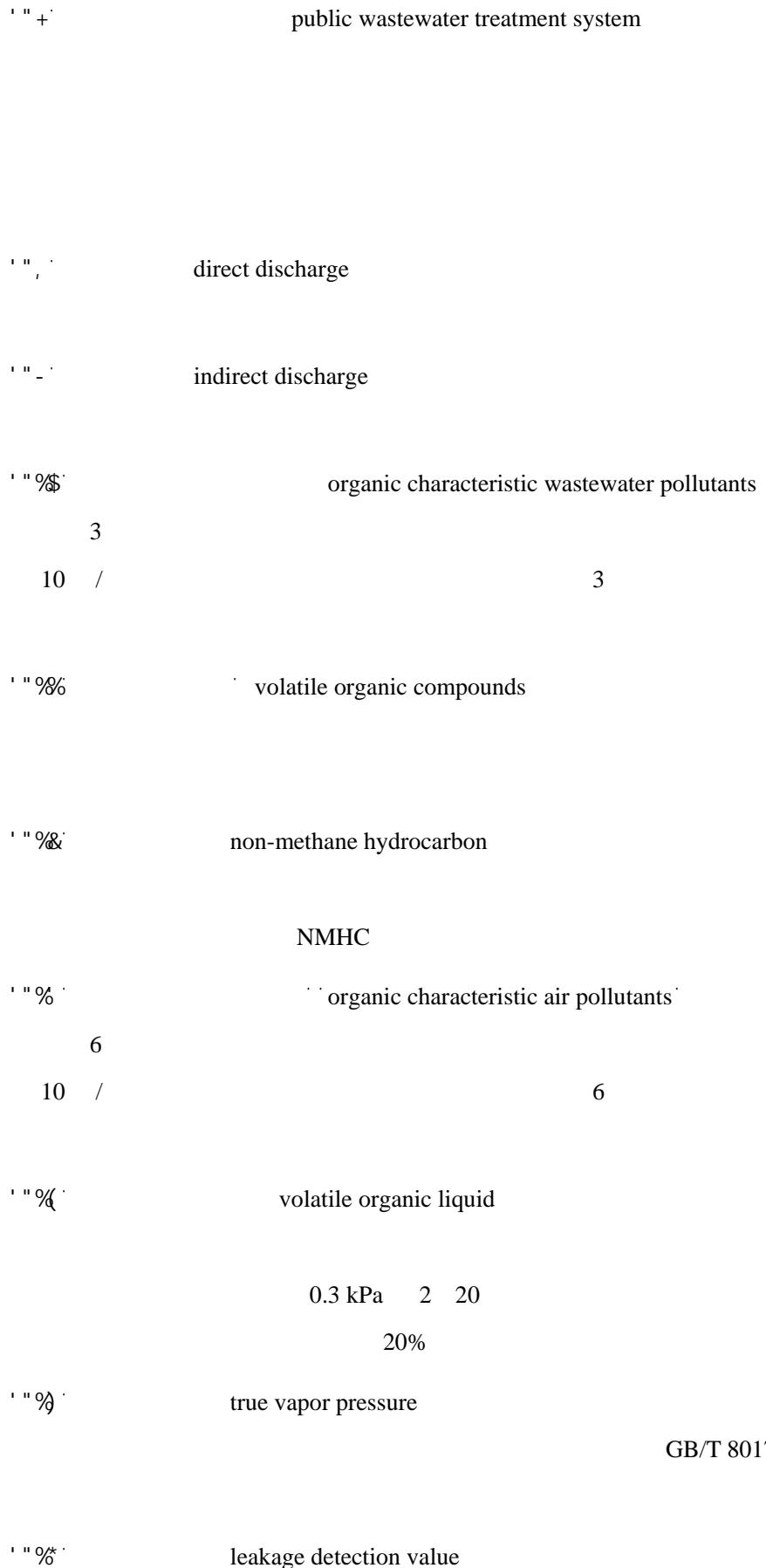
HJ 535	
HJ 536	
HJ 537	
HJ 547	
HJ 548	
HJ 549	
HJ 583	/
HJ 584	/
HJ 592	
HJ 597	
HJ 601	
HJ 620	
HJ 621	
HJ 629	
HJ 636	
HJ 637	
HJ 639	/
HJ 644	/
 HJ 646	
HJ 647	
HJ 648	/
HJ 665	
HJ 666	
HJ 667	
HJ 668	
HJ 670	
HJ 671	
HJ 673	
HJ 675	
HJ 676	/
HJ 686	/
HJ 688	

HJ 692	
HJ 693	
HJ 694	
HJ 697	
HJ 700	65
HJ 715	
HJ 716	
HJ 732	
HJ 733	
HJ 734	/

28

39





“%” process heater

“%” air oxidation reactor

“%” batch operation

%

mg/L pH

	pH			%	
		6.0	9.0		
1					
2			70		

3

&

mg/L pH

1	pH	6.0 9.0	%	
2				

mg/L

1		1	31		2
2		0.6	32		0.02
3		0.2			

1

1

$$\rho = \frac{Q}{\sum Y \cdot Q} \times \rho$$

1

ρ —

mg/L

Q —

m^3

Y —

t

Q —

m^3/t

ρ —

mg/L

$Q = \sum Y \cdot Q$

1

)

)%"

)%"%

2017 7 1

2017 7 1

4

)%"&

2015 7 1

4

(

mg/m³

				1	1	
1		20				
2		100				
3		150 180 ⁽²⁾				
4			120	95%	95%	
5				30	—	
6				5.0	—	
7	³			5.0	—	
8				5.0	—	
9			6			

1	
2	850
3	

) " % " .

5

) .
mg/m³

					1	1	
1		20					
2		50					
3		100					

4

120

97%

1
97%
wDG ℓ

8	1,2-	1	100	40	1	20
9		1	20	41	1	20
10		1	1	42	1	10

) " &

) " & %

2015 7 1

2017 7 1

) " & &

76.6 kPa

) " & "

5.2 kPa 27.6 kPa

150 m³

27.6 kPa 76.6 kPa

75 m³

a

b

c

4 5

) " & (

b

6

c

30

d

)'''(·

a

2000 μmol/mol

b

500 μmol/mol

)'''(·

a

15

b

5

c

15

4 5

200 mm

10 mL 3

)"(")

4 5

a

b

c

d

e

f

)"("*

a

b

c

1

)"("+

)"(",-

4 5

)"(",-

15m

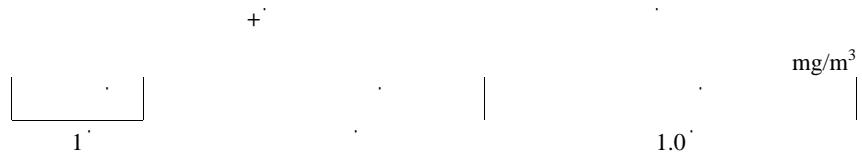
)"(")

)"(")%

1

7

16



		pH	pH	
1				
2				

%			GB/T 16157
			GB/T 15432
2			HJ/T 56
			HJ/T 57
			HJ 629

			GB/T 15502
20			HJ/T 31
21			HJ/T 28
		flue	GB/T 15439
		flue	HJ/T 40

1		Acetaldehyde	29	C ₅	C ₅ Concentrates
2		Acetic Acid	30	C ₉	C ₉ Concentrates
3		Acetic Acid Esters	31	C ₁₂ –C ₁₈	C ₁₂ –C ₁₈ Primary Alcohols
4		Acetic Acid Salts	32		Calcium Stearate
5		Acetic Anhydride	33		Caprolactam
6		Acetone	34		Carboxymethyl Cellulose
7		Acetone Cyanohydrin	35		Cellulose Acetate Butyrates
8		Acetylene	36		Cellulose Ethers
9		Acrylic Acid	37		Cumene Hydroperoxide
10		Acrylic Acid Esters	38		Cyclohexane
11		Acrylonitrile	39		Cyclohexanol
12		Adipic Acid	40		Cyclohexanol, Cyclohexanone (Mixed)
13		n-Alkanes	41		Cyclohexanone
14		Alkoxy Alkanols	42		Cyclohexene
15		Alkylates	43		Decanol
16		Alpha-Olefins	44		Diacetone Alcohol
17		Butane	45		Dicarboxylic Acids—Salts
18	1,3-	1,3-Butadiene	46		Diethyl Ether
19	1,4-	1,4-Butanediol	47		Diethylene Glycol
20	1-	1-Butene	48		Diethylene Glycol Diethyl Ether
21	2-	2-Butene (Cis and Trans)	49		Diethylene Glycol Dimethyl Ether
22		Butylenes (Butenes)	50		Diethylene Glycol Monoethyl Ether
23		n-Butylacetate	51		Diethylene Glycol Monomethyl Ether
24		n-Butyl Alcohol	52		Dimer Acids
25		n-Butyraldehyde	53		Dioxane
26		n-Butyric Acid	54		Epoxy propane
27			55		Ethane

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57

Ethoxylates, Misc.

89

	.			.	

		.			.		
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			+
			H.P.
C7-C11	C6-C10	SAN	+
1-	1-	1,2,3,4-	3,3,3-
			+
		2,3-	+
		-2,2-	
		1,4-	1,4-
	1,4-		
		1,2-	
()	+		
			+
		2-	2- +
		C7-C11	C6-C10
			+
	2,6-		+
	Skraup		
			+
			+
			+

			+ +
	+		+

2- -4	+		+
		N-	+
	+	S-	+
	+		+
