2021 11

	15863513678		
	53000		3571
	2014 12		2021 7
	2021 10		
	1. 2. 3. 4. 5. 6.		
			70m
			90m

2.1

			1 1	
			1 1	
			1 1	
	2		1 1	
	1		1 1	
			1 1	
			1 1	
	1		1 1	
	2		1 1	
	3		1 1	
	4		1 1	
	5		1 1	
			1 1	
			28	
			1	
			1	

	1		1 1	
	2		1 1	

2.2

	301895			30190	
	17			1.7	
	1.7			0.17	
	80			8	
	2.6			0.2	
	70			2	
	190			2	
	200			2	
	50			1	
	30			2.0	
	20			1	
	200000			20000	
	7600			760	
	500			50	
	100			10	
31%	2866			300	
	200			5	
	33.3			0.8	

	48			1.2	
	400			4	
	162			16	
	15			0.8	

2.3

2.4

	HW08			
	HW09			
	HW17			
	HW12			
	HW49			
	HW49			
	HW17			
	HW23			
	HW49			
	HW23			
	HW17			

	HW17			
	HW12			

2.5

3 جی

		SO_2 NO_X VOCs	1 RTO	1 40m P1-1

			VOCs	1 RTO	
			NH_3 H_2S	——	
					15m
	1				P2-1 P2-2
			NH_3	+ 4 4	15m P2-3 P2-4 P2-5 P2-6
			SO_2 NO_X		15m P2-7 P2-8

	1 0.80~1.50m 1.06m -1.40~-0.70m -0.96m 0.80~1.50m 1.06m 2 2.60~3.50m 3.10m -4.40~-3.70m -4.06m 3.80~4.50m 4.16m 3 2.00~3.00m 2.51m -6.90~-6.30m -6.57m 6.40~7.00m 6.67m 4 1.00~2.30m 1.78m -8.70~-7.90m -8.35m 8.00~8.80m 8.45m 5 - 7.60~9.00m 8.32m -17.00~-16.20m -16.67m 16.30~17.10m 16.77m 6 - 1.30~2.50m 1.78m -18.80~-18.20m -18.44m 18.30~18.90m 18.54m 7 6.10~7.10m		

	6.68m -25.40~-24.70m -25.08m 24.80~25.50m 25.18m 8		
	2.9m		

			/
			/
			/
			/

5.1

1				S1	116.110657 , 36.512231			
2				S12	116.111423 , 36.513822			

5.2

1	1	1	116.111275 36.512593		1			
		2	116.111318 36.512589					
		3	116.111320 36.512614					
		4	116.111280 36.512616					
2		1	116.110764 36.513033		1			
		2	116.110868		2			

			36.513025					
		3	116.110791 36.513222		3			
		4	116.110894 36.513216					
3		1	116.110758 36.512990		1			
		2	116.110857 36.512980					
		3	116.110860 36.513005					
		4	116.110761 36.513010					
4		1	116.110895 36.512978		1			
		2	116.110809 36.512891		2			
		3	116.111838 36.513121					
		4	116.110927 36.513207					
5	2	1	116.112393 36.513080		1			
		2	116.112443 36.513080					

		3	116.112443 36.513099					
		4	116.112398 36.513102					
6	1	1	116.110855 36.513610		1	pH	pH	
		2	116.111890 36.513517		2			
		3	116.11923 36.513739		3			
		4	116.110893 36.513840		4			
7		1	116.110901 36.513920		1			
		2	116.111936 36.513823		2			
		3	116.110933 36.514147		3			
		4	116.111968 36.514052					

6.1

	m		m				
S1	0-0.2	1	0-0.2		GB36600-2018 pH		
S2	0-0.2	1	0-0.2				
S3	0-0.2	1	0-0.2				
	2.0-2.5	1	2.0-2.5				
S4	0-0.2	1	0-0.2				
	2.0-2.5	1	2.0-2.5				
S5	0-0.2	1	0-0.2				
S6	0-0.2	1	0-0.2				
S7	0-0.2	1	0-0.2				
S8	0-0.2	1	0-0.2		GB36600-2018 pH		
S9	0-0.2	1	0-0.2				
S10	0-0.2	1	0-0.2				
S11	0-0.2	1	0-0.2		GB36600-2018 pH		
S12	3.5-4.0	1	3.5-4.0				
S	0-0.2	1	0-0.2				

7.1

				2021	2021	2021	2021	2021	2021
5	1.3	μg/kg	1,2-	ND	ND	ND	ND	ND	ND
10	1.2	μg/kg	1,1,1,2-	ND	ND	ND	ND	ND	ND
2.8	1.3	μg/kg		ND	ND	ND	ND	ND	ND
65	0.01	mg/kg		0.06	0.18	0.16	0.07	0.05	0.07
4500	6	mg/kg	(C_{10}-C_{40})	26	36	47	29	31	31
54	1.4	μg/kg	-1,2-	ND	ND	ND	ND	ND	ND
6.8	1.2	μg/kg	1,1,2,2-	ND	ND	ND	ND	ND	ND
9	1.2	μg/kg	1,1-	ND	ND	ND	ND	ND	ND
1290	1.1	μg/kg		ND	ND	ND	ND	ND	ND
15	0.2	mg/kg	b	ND	ND	ND	ND	ND	ND
20	1.5	μg/kg	1,4-	ND	ND	ND	ND	ND	ND
5	1.1	μg/kg	1,2-	ND	ND	ND	ND	ND	ND
38	0.002	mg/kg		0.055	0.018	0.036	0.038	0.018	0.032

15	0.1	mg/kg	a	ND	ND	ND	ND	ND	ND
800	0.1	mg/kg		17.7	108	66.2	21.0	16.1	21.9
640	1.4	µg/kg	-	ND	ND	ND	ND	ND	ND
5.7	0.5	mg/kg		ND	ND	ND	ND	ND	ND
430	1.0	µg/kg		ND	ND	ND	ND	ND	ND
151	0.1	mg/kg	k	ND	ND	ND	ND	ND	ND
70	0.09	mg/kg		ND	ND	ND	ND	ND	ND
2.8	1.2	µg/kg	1,1,2-	ND	ND	ND	ND	ND	ND
596	1.3	µg/kg	-1,2-	ND	ND	ND	ND	ND	ND
4	1.9	µg/kg		ND	ND	ND	ND	ND	ND
1.5	0.1	mg/kg	a,h	ND	ND	ND	ND	ND	ND
616	1.5	µg/kg		ND	ND	ND	ND	ND	ND
1293	0.1	mg/kg		ND	ND	ND	ND	ND	ND
270	1.2	µg/kg		ND	ND	ND	ND	ND	ND
15	0.1	mg/kg	1,2,3-cd	ND	ND	ND	ND	ND	ND
900	1.1	µg/kg		ND	ND	ND	ND	ND	ND
900	3	mg/kg		30	38	42	30	24	26
60	0.01	mg/kg		9.80	8.54	10.8	10.5	10.4	10.1
2.8	1.2	µg/kg		ND	ND	ND	ND	ND	ND
1.5	0.1	mg/kg	a	ND	ND	ND	ND	ND	ND

53	1.4	µg/kg		ND	ND	ND	ND	ND	ND
76	0.09	mg/kg		ND	ND	ND	ND	ND	ND
66	1.0	µg/kg	1,1-	ND	ND	ND	ND	ND	ND
560	1.5	µg/kg	1,2-	ND	ND	ND	ND	ND	ND
18000	1	mg/kg		18	44	38	22	12	13
37	1.0	µg/kg		ND	ND	ND	ND	ND	ND
500	1.2	µg/kg	1,2,3-	ND	ND	ND	ND	ND	ND
260	0.1	mg/kg		ND	ND	ND	ND	ND	ND
1200	1.3	µg/kg		ND	ND	ND	ND	ND	ND



5	1.3	µg/kg	1,2-	ND	ND	ND	ND	1.7	ND
10	1.2	µg/kg	1,1,1,2-	ND	ND	ND	ND	ND	ND
2.8	1.3	µg/kg		ND	ND	ND	ND	ND	ND
65	0.01	mg/kg		0.12	0.09	0.09	0.14	0.28	0.06
4500	6	mg/kg	(C_{10}-C_{40})	41	27	-	-	-	43
54	1.4	µg/kg	- 1,2-	ND	ND	ND	ND	ND	ND
6.8	1.2	µg/kg	1,1,2,2-	ND	ND	ND	ND	ND	ND
9	1.2	µg/kg	1,1-	ND	ND	ND	ND	ND	ND
1290	1.1	µg/kg		ND	ND	ND	ND	ND	ND
15	0.2	mg/kg	b	ND	ND	ND	ND	ND	ND
20	1.5	µg/kg	1,4-	ND	ND	ND	ND	ND	ND
5	1.1	µg/kg	1,2-	ND	ND	ND	ND	ND	ND
38	0.002	mg/kg		0.040	0.047	0.065	0.042	0.047	0.100
15	0.1	mg/kg	a	ND	ND	ND	ND	ND	ND
800	0.1	mg/kg		24.6	26.8	26.1	58.2	53.2	15.5
640	1.2	µg/kg	-	ND	ND	ND	ND	ND	ND
5.7	0.5	mg/kg		ND	ND	ND	ND	ND	ND
430	1.0	µg/kg		ND	ND	ND	ND	ND	ND
151	0.1	mg/kg	k	ND	ND	ND	ND	ND	ND
70	0.09	mg/kg		ND	ND	ND	ND	ND	ND

2.8	1.2	µg/kg	1,1,2-	ND	ND	ND	ND	ND	ND
596	1.3	µg/kg	- 1,2-	ND	ND	ND	ND	ND	ND
4	1.9	µg/kg		ND	ND	ND	ND	ND	ND
1.5	0.1	mg/kg	a,h	ND	ND	ND	ND	ND	ND
616	1.5	µg/kg		ND	ND	ND	ND	ND	ND
1293	0.1	mg/kg		ND	ND	ND	ND	ND	ND
270	1.2	µg/kg		ND	ND	ND	ND	ND	ND
15	0.1	mg/kg	1,2,3-cd	ND	ND	ND	ND	ND	ND
900	1.1	µg/kg		ND	ND	ND	ND	ND	ND
900	3	mg/kg		33	29	32	32	37	25
60	0.01	mg/kg		8.97	9.96	11.1	11.8	11.4	11.0
2.8	1.2	µg/kg		ND	ND	ND	ND	ND	ND
1.5	0.1	mg/kg	a	ND	ND	ND	ND	ND	ND
53	1.4	µg/kg		ND	ND	ND	ND	ND	ND
76	0.09	mg/kg		ND	ND	ND	ND	ND	ND
66	1.0	µg/kg	1,1-	ND	ND	ND	ND	ND	ND
560	1.5	µg/kg	1,2-	ND	ND	ND	ND	ND	ND
18000	1	mg/kg		22	18	20	28	46	11
37	1.0	µg/kg		ND	ND	ND	ND	ND	ND
500	1.2	µg/kg	1,2,3-	ND	ND	ND	ND	ND	ND

260	0.1	mg/kg		ND	ND	ND	ND	ND	ND
1200	1.3	μg/kg		ND	ND	ND	ND	ND	ND
570	1.2	μg/kg	/ -	ND	ND	ND	ND	ND	ND
2256	0.06	mg/kg	2-	ND	ND	ND	ND	ND	ND
840	1.3μ	μg/kg	1,1,1-	ND	ND	ND	ND	ND	ND
28	1.2	μg/kg		ND	ND	ND	ND	ND	ND
/			pH ( )	8.70	8.69	8.76	9.13	9.30	8.67
10000	1	mg/kg		87	73	75	170	64	-
/	12.5	mg/kg		-	-	51.5	55.2	89.3	-
				2021	2021				
5	1.3	μg/kg	1,2-	ND	ND				
10	1.2	μg/kg	1,1,1,2-	ND	ND				
2.8	1.3	μg/kg		ND	ND				
65	0.01	mg/kg		0.08	0.06				
4500	6	mg/kg	(C_{10}-C_{40})	31	24				
54	1.4	μg/kg	- 1,2-	ND	ND				
6.8	1.2	μg/kg	1,1,2,2-	ND	ND				

9	1.2	µg/kg	1,1-	ND	ND				
1290	1.1	µg/kg		ND	ND				
15	0.2	mg/kg	b	ND	ND				
20	1.5	µg/kg	1,4-	ND	ND				
5	1.1	µg/kg	1,2-	ND	ND				
38	0.002	mg/kg		0.010	0.054				
15	0.1	mg/kg	a	ND	ND				
800	0.1	mg/kg		22.2	14.8				
640	1.2	µg/kg	-	ND	ND				
5.7	0.5	mg/kg		ND	ND				
430	1.0	µg/kg		ND	ND				
151	0.1	mg/kg	k	ND	ND				
70	0.09	mg/kg		ND	ND				
2.8	1.2	µg/kg	1,1,2-	ND	ND				
596	1.3	µg/kg	- 1,2-	ND	ND				
4	1.9	µg/kg		ND	ND				
1.5	0.1	mg/kg	a,h	ND	ND				
616	1.5	µg/kg		ND	ND				
1293	0.1	mg/kg		ND	ND				
270	1.2	µg/kg		ND	ND				

15	0.1	mg/kg	1,2,3-cd	ND	ND				
900	1.1	μg/kg		ND	ND				
900	3	mg/kg		32	28				
60	0.01	mg/kg		7.32	12.0				
2.8	1.2	μg/kg		ND	ND				
1.5	0.1	mg/kg	a	ND	ND				
53	1.4	μg/kg		ND	ND				
76	0.09	mg/kg		ND	ND				
66	1.0	μg/kg	1,1-	ND	ND				
560	1.5	μg/kg	1,2-	ND	ND				
18000	1	mg/kg		18	12				
37	1.0	μg/kg		ND	ND				
500	1.2	μg/kg	1,2,3-	ND	ND				
260	0.1	mg/kg		ND	ND				
1200	1.3	μg/kg		ND	ND				
570	1.2	μg/kg	/ -	ND	ND				
2256	0.06	mg/kg	2-	ND	ND				
840	1.3μ	μg/kg	1,1,1-	ND	ND				
28	1.2	μg/kg		ND	ND				
/			pH ( )	9.80	8.63				

10000	1	mg/kg		-	43				

7.2

				2021	2021	2021	2021	2021	2021	2021	2021
	/	/	pH ( )		8.1		8.0		7.7		7.2
60	0.02	μg/L			ND		2.16		ND		ND
500	2	μg/L			ND		ND		ND		ND
1.0	0.001	mg/L			0.007		0.020		0.006		ND
0.05	0.004	mg/L			ND		ND		ND		ND
2.0	0.03	μg/L			ND		ND		ND		ND
0.5	0.010	Bq/L	α		0.017		0.016		0.038		0.017
1.0	0.004	Bq/L	β		0.013		0.015		0.006		0.015
3.0	10	MPN/L			74		41		120		
0.05	0.002	mg/L			ND		ND		ND		ND
10	0.4	μg/L			ND		ND		ND		ND

450	5.0	mg/L			445		1.09E3		692		1.50E3
0.002	0.0003	mg/L			0.0009		0.0010		0.0012		0.0016
1.0	0.05	mg/L			0.42		0.64		0.42		0.46
0.5	0.025	mg/L			0.054		0.081		0.274		0.084
250	1.0	mg/L			339		875		381		694
1.0	0.04	μg/L			0.07		ND		ND		ND
3	1	NTU			ND		8		8		ND
1000	4	mg/L			1.52E3		2.97E3		2.22E3		2.68E3
700	2	μg/L			ND		ND		ND		ND
0.3	0.01	mg/L			0.02		0.02		0.03		0.02
10	0.3	μg/L			1.9		2.7		5.0		25.7
20	0.02	mg/L			1.48		1.07		0.32		0.16
0.02	0.005	mg/L			ND		ND		ND		ND
250	10	mg/L			331		768		626		584
0.08	0.05	mg/L			ND		ND		ND		ND
100	/	CFU/mL			1.9E2		92		84		9
3.0	0.05	mg/L			1.20		4.62		2.32		2.16

/	/	/					
/	/	/					
15	5		( )	ND	ND	ND	ND
10	2	μg/L		ND	ND	ND	ND
200	0.12	mg/L					

7.3

W1				2	13
W2				1.8	13
W3				2	8
W				5	25

GB36600-2018 “ ”			
GB/T14848-2017			
1 2 “ ”			



1