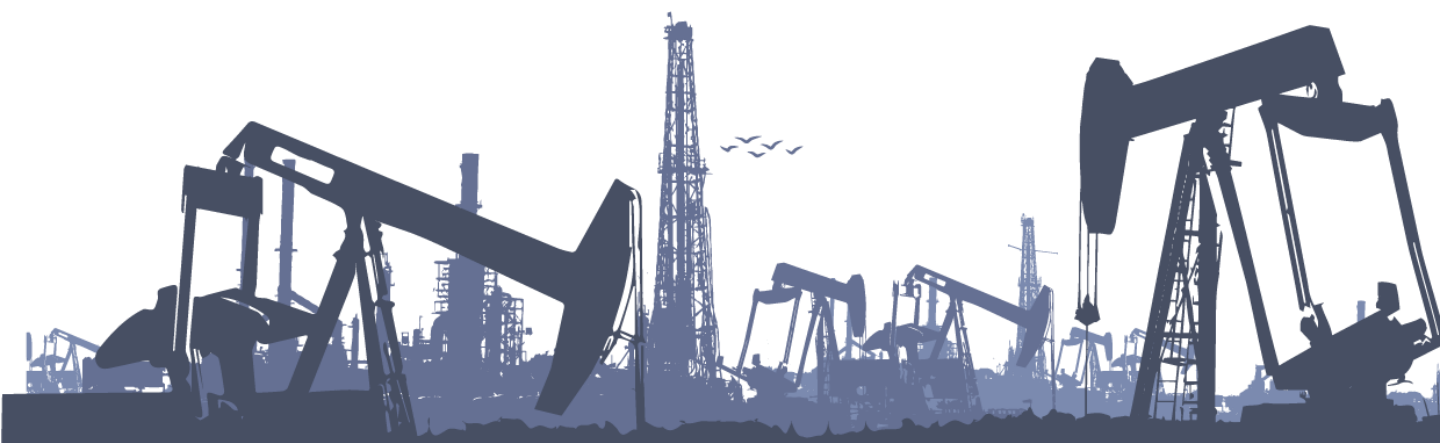


ระดับเสียง



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco-thai.net
MEASURING SOURCE : N2 : CHICKEN FARM (CARGILL MEATS (THAILAND) CO., LTD.) (UTM WGS 84 ZONE 47P 733172E 1730272N)
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : DECEMBER 29 - JANUARY 1, 2022
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER
MEASURED BY : MR PREEDA CHAIYAPOOMSUKUL

RESULT dB(A)

N2 : CHICKEN FARM (CARGILL MEATS (THAILAND) CO., LTD.)
(UTM WGS 84 ZONE 47P 733172E 1730272N)

DECEMBER 29 - 30, 2021

T22AA011-0001

TIME*	LAeq 1 hour	LAmx 1 hour	LA90 1 hour
07:00-08:00 HOUR	58.6	74.8	55.7
08:00-09:00 HOUR	57.5	62.1	55.9
09:00-10:00 HOUR	56.5	63.0	54.8
10:00-11:00 HOUR	57.7	64.6	56.0
11:00-12:00 HOUR	56.6	63.9	54.7
12:00-13:00 HOUR	57.4	87.4	55.0
13:00-14:00 HOUR	57.4	82.1	55.2
14:00-15:00 HOUR	56.6	67.4	54.3
15:00-16:00 HOUR	55.8	64.1	54.0
16:00-17:00 HOUR	55.9	59.3	54.8
17:00-18:00 HOUR	57.4	71.1	56.2
18:00-19:00 HOUR	58.3	67.4	57.9
19:00-20:00 HOUR	59.8	70.1	59.3
20:00-21:00 HOUR	60.1	63.0	59.3
21:00-22:00 HOUR	60.2	63.3	59.3
22:00-23:00 HOUR	58.9	65.0	58.0
23:00-00:00 HOUR	58.2	66.3	56.4
00:00-01:00 HOUR	58.7	63.1	58.3
01:00-02:00 HOUR	58.4	62.0	57.7
02:00-03:00 HOUR	57.8	63.7	56.8
03:00-04:00 HOUR	57.6	66.8	56.4
04:00-05:00 HOUR	57.8	65.3	56.4
05:00-06:00 HOUR	57.7	62.3	56.3
06:00-07:00 HOUR	59.3	72.7	56.9
LAeq 24 hours		58.1	
LAdn		64.7	

RESULT dB(A)

N2 : CHICKEN FARM (CARGILL MEATS (THAILAND) CO., LTD.)
(UTM WGS 84 ZONE 47P 733172E 1730272N)

DECEMBER 30 - 31, 2021

T22AA011-0002

TIME*	LAeq 1 hour	LAmx 1 hour	LA90 1 hour
07:00-08:00 HOUR	57.2	69.1	55.7
08:00-09:00 HOUR	57.4	65.8	56.0
09:00-10:00 HOUR	56.7	67.7	55.1
10:00-11:00 HOUR	55.7	66.9	53.6
11:00-12:00 HOUR	56.3	68.7	53.9
12:00-13:00 HOUR	55.8	62.6	53.7
13:00-14:00 HOUR	55.8	62.8	53.6
14:00-15:00 HOUR	56.3	70.6	54.1
15:00-16:00 HOUR	57.1	62.6	54.7
16:00-17:00 HOUR	56.3	66.9	54.4
17:00-18:00 HOUR	54.6	70.4	52.6
18:00-19:00 HOUR	53.8	62.4	51.7
19:00-20:00 HOUR	58.3	64.4	57.6
20:00-21:00 HOUR	58.0	61.5	57.3
21:00-22:00 HOUR	58.3	65.5	57.7
22:00-23:00 HOUR	56.3	65.3	55.0
23:00-00:00 HOUR	54.6	63.7	53.5
00:00-01:00 HOUR	57.0	62.5	55.6
01:00-02:00 HOUR	54.9	63.3	53.6
02:00-03:00 HOUR	54.4	59.2	53.2
03:00-04:00 HOUR	55.1	67.3	54.3
04:00-05:00 HOUR	56.4	63.6	55.4
05:00-06:00 HOUR	58.6	66.7	57.6
06:00-07:00 HOUR	60.7	72.9	59.5
LAeq 24 hours		56.8	
LAdn		63.3	



TIME*	RESULT dB(A)		
	N2 : CHICKEN FARM (CARGILL MEATS (THAILAND) CO., LTD.) (UTM WGS 84 ZONE 47P 733172E 1730272N)		
	DECEMBER 31, 2021 - JANUARY 01, 2022 T22AA011-0003		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	57.9	66.1	57.1
08:00-09:00 HOUR	55.0	63.4	53.4
09:00-10:00 HOUR	53.9	70.9	51.9
10:00-11:00 HOUR	52.9	68.6	50.7
11:00-12:00 HOUR	52.7	69.9	50.5
12:00-13:00 HOUR	52.2	68.9	50.4
13:00-14:00 HOUR	53.0	66.1	51.0
14:00-15:00 HOUR	53.0	67.6	51.3
15:00-16:00 HOUR	52.9	66.5	51.2
16:00-17:00 HOUR	52.7	67.4	51.2
17:00-18:00 HOUR	53.5	79.1	51.3
18:00-19:00 HOUR	55.0	84.8	52.3
19:00-20:00 HOUR	56.1	69.4	54.6
20:00-21:00 HOUR	55.2	62.6	54.4
21:00-22:00 HOUR	54.0	65.6	53.2
22:00-23:00 HOUR	53.5	63.8	52.5
23:00-00:00 HOUR	54.7	65.8	53.6
00:00-01:00 HOUR	54.8	61.0	53.8
01:00-02:00 HOUR	56.2	63.1	55.0
02:00-03:00 HOUR	55.5	60.6	54.0
03:00-04:00 HOUR	55.5	64.3	54.6
04:00-05:00 HOUR	57.5	62.7	56.5
05:00-06:00 HOUR	57.4	72.8	55.9
06:00-07:00 HOUR	59.3	77.5	58.3
L _{Aeq} 24 hours		55.2	
L _{Adn}		62.5	

Sila J

(MR. SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

JANUARY 14, 2022

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- REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING PLACE : N2 : CHICKEN FARM (CARGILL MEATS (THAILAND) CO., LTD.) (UTM WGS 84 ZONE 47P 733172E 1730272N)
MEASURING TYPE : AMBIENT (ANNOYANCE NOISE)
MEASURING DATE : DECEMBER 29 - JANUARY 1, 2022
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION
MEASURED BY : MR PREEDA CHAIYAPOOMSUKUL

RECEIVED DATE : DECEMBER 29 - JANUARY 1, 2022
ANALYTICAL DATE : DECEMBER 29 - JANUARY 1, 2022
REPORT NO. : 2022-U002355
WORK NO. : 2021-008595
ANALYSIS NO. : T22AA011-0001 - T22AA011-0003

DATE	TIME*	RESULT (dB(A))				
		N2 : CHICKEN FARM (CARGILL MEATS (THAILAND) CO., LTD.) (UTM WGS 84 ZONE 47P 733172E 1730272N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 29, 2021	DAY TIME ^{1/}					
T22AA011-0001	07:00-08:00 HOUR	58.6 ^{1/}	54.7 **	56.6 ^{1/}	53.0 **	3.6
	08:00-09:00 HOUR	57.5 ^{1/}	54.7 **	54.5 ^{1/}	53.0 **	1.5
	09:00-10:00 HOUR	56.5 ^{1/}	54.7 **	52.0 ^{1/}	53.0 **	NOT SIGNIFICANT ^{3/}
	10:00-11:00 HOUR	57.7 ^{1/}	54.7 **	54.7 ^{1/}	53.0 **	1.7
	11:00-12:00 HOUR	56.6 ^{1/}	54.7 **	52.1 ^{1/}	53.0 **	NOT SIGNIFICANT ^{3/}
	12:00-13:00 HOUR	57.4 ^{1/}	54.7 **	54.4 ^{1/}	53.0 **	1.4
	13:00-14:00 HOUR	57.4 ^{1/}	54.7 **	54.4 ^{1/}	53.0 **	1.4
	14:00-15:00 HOUR	56.6 ^{1/}	54.7 **	52.1 ^{1/}	53.0 **	NOT SIGNIFICANT ^{3/}
	15:00-16:00 HOUR	55.8 ^{1/}	54.7 **	48.8 ^{1/}	53.0 **	NOT SIGNIFICANT ^{3/}
	16:00-17:00 HOUR	55.9 ^{1/}	54.7 **	48.9 ^{1/}	53.0 **	NOT SIGNIFICANT ^{3/}
	17:00-18:00 HOUR	57.4 ^{1/}	54.7 **	54.4 ^{1/}	53.0 **	1.4
	18:00-19:00 HOUR	58.3 ^{1/}	54.7 **	56.3 ^{1/}	53.0 **	3.3
	19:00-20:00 HOUR	59.8 ^{1/}	54.7 **	58.3 ^{1/}	53.0 **	5.3
	20:00-21:00 HOUR	60.1 ^{1/}	54.7 **	58.6 ^{1/}	53.0 **	5.6
	21:00-22:00 HOUR	60.2 ^{1/}	54.7 **	58.7 ^{1/}	53.0 **	5.7
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	59.6 ^{2/}	54.3 ***	61.1 ^{2/}	52.6 ***	8.5
	22:05-22:10 HOUR	59.7 ^{2/}	54.3 ***	61.2 ^{2/}	52.6 ***	8.6
	22:10-22:15 HOUR	59.6 ^{2/}	54.3 ***	61.1 ^{2/}	52.6 ***	8.5
	22:15-22:20 HOUR	59.5 ^{2/}	54.3 ***	61.0 ^{2/}	52.6 ***	8.4
	22:20-22:25 HOUR	58.9 ^{2/}	54.3 ***	60.4 ^{2/}	52.6 ***	7.8
	22:25-22:30 HOUR	58.7 ^{2/}	54.3 ***	59.7 ^{2/}	52.6 ***	7.1
	22:30-22:35 HOUR	58.6 ^{2/}	54.3 ***	59.6 ^{2/}	52.6 ***	7.0
	22:35-22:40 HOUR	58.3 ^{2/}	54.3 ***	59.3 ^{2/}	52.6 ***	6.7
	22:40-22:45 HOUR	58.3 ^{2/}	54.3 ***	59.3 ^{2/}	52.6 ***	6.7
	22:45-22:50 HOUR	58.5 ^{2/}	54.3 ***	59.5 ^{2/}	52.6 ***	6.9
	22:50-22:55 HOUR	58.3 ^{2/}	54.3 ***	59.3 ^{2/}	52.6 ***	6.7
	22:55-23:00 HOUR	57.9 ^{2/}	54.3 ***	58.9 ^{2/}	52.6 ***	6.3
	23:00-23:05 HOUR	57.9 ^{2/}	54.3 ***	58.9 ^{2/}	52.6 ***	6.3
	23:05-23:10 HOUR	58.2 ^{2/}	54.3 ***	59.2 ^{2/}	52.6 ***	6.6
	23:10-23:15 HOUR	57.7 ^{2/}	54.3 ***	57.7 ^{2/}	52.6 ***	5.1
	23:15-23:20 HOUR	57.5 ^{2/}	54.3 ***	57.5 ^{2/}	52.6 ***	4.9
	23:20-23:25 HOUR	58.0 ^{2/}	54.3 ***	59.0 ^{2/}	52.6 ***	6.4

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DATE	TIME*	RESULT (dB(A))				
		N2 : CHICKEN FARM (CARGILL MEATS (THAILAND) CO., LTD.) (UTM WGS 84 ZONE 47P 733172E 1730272N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 29, 2021	NIGHT TIME ^{2/}					
T22AA011-0001	23:25-23:30 HOUR	57.7 ^{2/}	54.3 ***	57.7 ^{2/}	52.6 ***	5.1
	23:30-23:35 HOUR	57.5 ^{2/}	54.3 ***	57.5 ^{2/}	52.6 ***	4.9
	23:35-23:40 HOUR	57.9 ^{2/}	54.3 ***	58.9 ^{2/}	52.6 ***	6.3
	23:40-23:45 HOUR	57.8 ^{2/}	54.3 ***	58.8 ^{2/}	52.6 ***	6.2
	23:45-23:50 HOUR	59.2 ^{2/}	54.3 ***	60.7 ^{2/}	52.6 ***	8.1
	23:50-23:55 HOUR	59.2 ^{2/}	54.3 ***	60.7 ^{2/}	52.6 ***	8.1
	23:55-00:00 HOUR	59.3 ^{2/}	54.3 ***	60.8 ^{2/}	52.6 ***	8.2
DECEMBER 30, 2021	NIGHT TIME ^{2/}					
T22AA011-0001	00:00-00:05 HOUR	59.2 ^{2/}	54.3 ***	60.7 ^{2/}	52.6 ***	8.1
	00:05-00:10 HOUR	59.5 ^{2/}	54.3 ***	61.0 ^{2/}	52.6 ***	8.4
	00:10-00:15 HOUR	59.7 ^{2/}	54.3 ***	61.2 ^{2/}	52.6 ***	8.6
	00:15-00:20 HOUR	59.7 ^{2/}	54.3 ***	61.2 ^{2/}	52.6 ***	8.6
	00:20-00:25 HOUR	57.8 ^{2/}	54.3 ***	58.8 ^{2/}	52.6 ***	6.2
	00:25-00:30 HOUR	58.4 ^{2/}	54.3 ***	59.4 ^{2/}	52.6 ***	6.8
	00:30-00:35 HOUR	59.7 ^{2/}	54.3 ***	61.2 ^{2/}	52.6 ***	8.6
	00:35-00:40 HOUR	59.2 ^{2/}	54.3 ***	60.7 ^{2/}	52.6 ***	8.1
	00:40-00:45 HOUR	59.2 ^{2/}	54.3 ***	60.7 ^{2/}	52.6 ***	8.1
	00:45-00:50 HOUR	57.4 ^{2/}	54.3 ***	57.4 ^{2/}	52.6 ***	4.8
	00:50-00:55 HOUR	56.4 ^{2/}	54.3 ***	54.9 ^{2/}	52.6 ***	2.3
	00:55-01:00 HOUR	56.4 ^{2/}	54.3 ***	54.9 ^{2/}	52.6 ***	2.3
	01:00-01:05 HOUR	58.5 ^{2/}	54.3 ***	59.5 ^{2/}	52.6 ***	6.9
	01:05-01:10 HOUR	57.5 ^{2/}	54.3 ***	57.5 ^{2/}	52.6 ***	4.9
	01:10-01:15 HOUR	56.7 ^{2/}	54.3 ***	55.2 ^{2/}	52.6 ***	2.6
	01:15-01:20 HOUR	56.6 ^{2/}	54.3 ***	55.1 ^{2/}	52.6 ***	2.5
	01:20-01:25 HOUR	59.3 ^{2/}	54.3 ***	60.8 ^{2/}	52.6 ***	8.2
	01:25-01:30 HOUR	59.7 ^{2/}	54.3 ***	61.2 ^{2/}	52.6 ***	8.6
	01:30-01:35 HOUR	59.0 ^{2/}	54.3 ***	60.5 ^{2/}	52.6 ***	7.9
	01:35-01:40 HOUR	58.9 ^{2/}	54.3 ***	60.4 ^{2/}	52.6 ***	7.8
	01:40-01:45 HOUR	58.8 ^{2/}	54.3 ***	60.3 ^{2/}	52.6 ***	7.7
	01:45-01:50 HOUR	58.9 ^{2/}	54.3 ***	60.4 ^{2/}	52.6 ***	7.8
	01:50-01:55 HOUR	58.4 ^{2/}	54.3 ***	59.4 ^{2/}	52.6 ***	6.8
	01:55-02:00 HOUR	57.9 ^{2/}	54.3 ***	58.9 ^{2/}	52.6 ***	6.3
	02:00-02:05 HOUR	57.0 ^{2/}	54.3 ***	57.0 ^{2/}	52.6 ***	4.4
	02:05-02:10 HOUR	57.1 ^{2/}	54.3 ***	57.1 ^{2/}	52.6 ***	4.5
	02:10-02:15 HOUR	57.4 ^{2/}	54.3 ***	57.4 ^{2/}	52.6 ***	4.8
	02:15-02:20 HOUR	57.9 ^{2/}	54.3 ***	58.9 ^{2/}	52.6 ***	6.3
	02:20-02:25 HOUR	58.2 ^{2/}	54.3 ***	59.2 ^{2/}	52.6 ***	6.6
	02:25-02:30 HOUR	58.3 ^{2/}	54.3 ***	59.3 ^{2/}	52.6 ***	6.7
	02:30-02:35 HOUR	57.0 ^{2/}	54.3 ***	57.0 ^{2/}	52.6 ***	4.4
	02:35-02:40 HOUR	57.0 ^{2/}	54.3 ***	57.0 ^{2/}	52.6 ***	4.4
	02:40-02:45 HOUR	57.4 ^{2/}	54.3 ***	57.4 ^{2/}	52.6 ***	4.8
	02:45-02:50 HOUR	59.4 ^{2/}	54.3 ***	60.9 ^{2/}	52.6 ***	8.3
	02:50-02:55 HOUR	58.6 ^{2/}	54.3 ***	59.6 ^{2/}	52.6 ***	7.0
	02:55-03:00 HOUR	57.8 ^{2/}	54.3 ***	58.8 ^{2/}	52.6 ***	6.2
	03:00-03:05 HOUR	58.1 ^{2/}	54.3 ***	59.1 ^{2/}	52.6 ***	6.5

DATE	TIME*	RESULT (dB(A))				
		N2 : CHICKEN FARM (CARGILL MEATS (THAILAND) CO., LTD.) (UTM WGS 84 ZONE 47P 733172E 1730272N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 30, 2021	NIGHT TIME ^{2/}					
T22AA011-0001	03:05-03:10 HOUR	57.7 ^{2/}	54.3 ***	57.7 ^{2/}	52.6 ***	5.1
	03:10-03:15 HOUR	57.7 ^{2/}	54.3 ***	57.7 ^{2/}	52.6 ***	5.1
	03:15-03:20 HOUR	56.9 ^{2/}	54.3 ***	56.9 ^{2/}	52.6 ***	4.3
	03:20-03:25 HOUR	56.7 ^{2/}	54.3 ***	55.2 ^{2/}	52.6 ***	2.6
	03:25-03:30 HOUR	57.0 ^{2/}	54.3 ***	57.0 ^{2/}	52.6 ***	4.4
	03:30-03:35 HOUR	57.1 ^{2/}	54.3 ***	57.1 ^{2/}	52.6 ***	4.5
	03:35-03:40 HOUR	57.7 ^{2/}	54.3 ***	57.7 ^{2/}	52.6 ***	5.1
	03:40-03:45 HOUR	58.1 ^{2/}	54.3 ***	59.1 ^{2/}	52.6 ***	6.5
	03:45-03:50 HOUR	58.2 ^{2/}	54.3 ***	59.2 ^{2/}	52.6 ***	6.6
	03:50-03:55 HOUR	58.4 ^{2/}	54.3 ***	59.4 ^{2/}	52.6 ***	6.8
	03:55-04:00 HOUR	57.5 ^{2/}	54.3 ***	57.5 ^{2/}	52.6 ***	4.9
	04:00-04:05 HOUR	57.5 ^{2/}	54.3 ***	57.5 ^{2/}	52.6 ***	4.9
	04:05-04:10 HOUR	57.2 ^{2/}	54.3 ***	57.2 ^{2/}	52.6 ***	4.6
	04:10-04:15 HOUR	57.3 ^{2/}	54.3 ***	57.3 ^{2/}	52.6 ***	4.7
	04:15-04:20 HOUR	57.3 ^{2/}	54.3 ***	57.3 ^{2/}	52.6 ***	4.7
	04:20-04:25 HOUR	57.9 ^{2/}	54.3 ***	58.9 ^{2/}	52.6 ***	6.3
	04:25-04:30 HOUR	57.5 ^{2/}	54.3 ***	57.5 ^{2/}	52.6 ***	4.9
	04:30-04:35 HOUR	57.7 ^{2/}	54.3 ***	57.7 ^{2/}	52.6 ***	5.1
	04:35-04:40 HOUR	58.1 ^{2/}	54.3 ***	59.1 ^{2/}	52.6 ***	6.5
	04:40-04:45 HOUR	58.7 ^{2/}	54.3 ***	59.7 ^{2/}	52.6 ***	7.1
	04:45-04:50 HOUR	58.1 ^{2/}	54.3 ***	59.1 ^{2/}	52.6 ***	6.5
	04:50-04:55 HOUR	58.5 ^{2/}	54.3 ***	59.5 ^{2/}	52.6 ***	6.9
	04:55-05:00 HOUR	57.3 ^{2/}	54.3 ***	57.3 ^{2/}	52.6 ***	4.7
	05:00-05:05 HOUR	57.7 ^{2/}	54.3 ***	57.7 ^{2/}	52.6 ***	5.1
	05:05-05:10 HOUR	57.2 ^{2/}	54.3 ***	57.2 ^{2/}	52.6 ***	4.6
	05:10-05:15 HOUR	57.7 ^{2/}	54.3 ***	57.7 ^{2/}	52.6 ***	5.1
	05:15-05:20 HOUR	57.9 ^{2/}	54.3 ***	58.9 ^{2/}	52.6 ***	6.3
	05:20-05:25 HOUR	57.9 ^{2/}	54.3 ***	58.9 ^{2/}	52.6 ***	6.3
	05:25-05:30 HOUR	58.2 ^{2/}	54.3 ***	59.2 ^{2/}	52.6 ***	6.6
	05:30-05:35 HOUR	57.6 ^{2/}	54.3 ***	57.6 ^{2/}	52.6 ***	5.0
	05:35-05:40 HOUR	57.7 ^{2/}	54.3 ***	57.7 ^{2/}	52.6 ***	5.1
	05:40-05:45 HOUR	57.9 ^{2/}	54.3 ***	58.9 ^{2/}	52.6 ***	6.3
	05:45-05:50 HOUR	57.4 ^{2/}	54.3 ***	57.4 ^{2/}	52.6 ***	4.8
	05:50-05:55 HOUR	57.7 ^{2/}	54.3 ***	57.7 ^{2/}	52.6 ***	5.1
	05:55-06:00 HOUR	57.6 ^{2/}	54.3 ***	57.6 ^{2/}	52.6 ***	5.0
	DAY TIME ^{1/}					
	06:00-07:00 HOUR	59.3 ^{1/}	54.7 **	57.8 ^{1/}	53.0 **	4.8
DECEMBER 30, 2021	DAY TIME ^{1/}					
T22AA011-0002	07:00-08:00 HOUR	57.2 ^{1/}	54.8 **	52.7 ^{1/}	52.3 **	0.4
	08:00-09:00 HOUR	57.4 ^{1/}	54.8 **	54.4 ^{1/}	52.3 **	2.1
	09:00-10:00 HOUR	56.7 ^{1/}	54.8 **	52.2 ^{1/}	52.3 **	NOT SIGNIFICANT ^{3/}
	10:00-11:00 HOUR	55.7 ^{1/}	54.8 **	48.7 ^{1/}	52.3 **	NOT SIGNIFICANT ^{3/}
	11:00-12:00 HOUR	56.3 ^{1/}	54.8 **	51.8 ^{1/}	52.3 **	NOT SIGNIFICANT ^{3/}
	12:00-13:00 HOUR	55.8 ^{1/}	54.8 **	48.8 ^{1/}	52.3 **	NOT SIGNIFICANT ^{3/}
	13:00-14:00 HOUR	55.8 ^{1/}	54.8 **	48.8 ^{1/}	52.3 **	NOT SIGNIFICANT ^{3/}

DATE	TIME*	RESULT (dB(A))				
		N2: CHICKEN FARM (CARGILL MEATS (THAILAND) CO., LTD.) (UTM WGS 84 ZONE 47P 733172E 1730272N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 30, 2021	DAY TIME ^{1/}					
T22AA011-0002	14:00-15:00 HOUR	56.3 ^{1/}	54.8 **	51.8 ^{1/}	52.3 **	NOT SIGNIFICANT ^{3/}
	15:00-16:00 HOUR	57.1 ^{1/}	54.8 **	52.6 ^{1/}	52.3 **	0.3
	16:00-17:00 HOUR	56.3 ^{1/}	54.8 **	51.8 ^{1/}	52.3 **	NOT SIGNIFICANT ^{3/}
	17:00-18:00 HOUR	54.6 ^{1/}	54.8 **	47.6 ^{1/}	52.3 **	NOT SIGNIFICANT ^{3/}
	18:00-19:00 HOUR	53.8 ^{1/}	54.8 **	46.8 ^{1/}	52.3 **	NOT SIGNIFICANT ^{3/}
	19:00-20:00 HOUR	58.3 ^{1/}	54.8 **	56.3 ^{1/}	52.3 **	4.0
	20:00-21:00 HOUR	58.0 ^{1/}	54.8 **	55.0 ^{1/}	52.3 **	2.7
	21:00-22:00 HOUR	58.3 ^{1/}	54.8 **	56.3 ^{1/}	52.3 **	4.0
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	57.2 ^{2/}	53.5 ***	58.2 ^{2/}	53.0 ***	5.2
	22:05-22:10 HOUR	57.6 ^{2/}	53.5 ***	58.6 ^{2/}	53.0 ***	5.6
	22:10-22:15 HOUR	57.7 ^{2/}	53.5 ***	58.7 ^{2/}	53.0 ***	5.7
	22:15-22:20 HOUR	57.6 ^{2/}	53.5 ***	58.6 ^{2/}	53.0 ***	5.6
	22:20-22:25 HOUR	56.7 ^{2/}	53.5 ***	56.7 ^{2/}	53.0 ***	3.7
	22:25-22:30 HOUR	56.5 ^{2/}	53.5 ***	56.5 ^{2/}	53.0 ***	3.5
	22:30-22:35 HOUR	56.5 ^{2/}	53.5 ***	56.5 ^{2/}	53.0 ***	3.5
	22:35-22:40 HOUR	55.3 ^{2/}	53.5 ***	53.8 ^{2/}	53.0 ***	0.8
	22:40-22:45 HOUR	55.3 ^{2/}	53.5 ***	53.8 ^{2/}	53.0 ***	0.8
	22:45-22:50 HOUR	54.8 ^{2/}	53.5 ***	50.8 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	22:50-22:55 HOUR	54.5 ^{2/}	53.5 ***	50.5 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	22:55-23:00 HOUR	54.2 ^{2/}	53.5 ***	50.2 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	23:00-23:05 HOUR	53.8 ^{2/}	53.5 ***	49.8 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	23:05-23:10 HOUR	54.1 ^{2/}	53.5 ***	50.1 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	23:10-23:15 HOUR	54.7 ^{2/}	53.5 ***	50.7 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	23:15-23:20 HOUR	54.8 ^{2/}	53.5 ***	50.8 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	23:20-23:25 HOUR	54.9 ^{2/}	53.5 ***	50.9 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	23:25-23:30 HOUR	54.1 ^{2/}	53.5 ***	50.1 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	23:30-23:35 HOUR	53.9 ^{2/}	53.5 ***	49.9 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	23:35-23:40 HOUR	54.8 ^{2/}	53.5 ***	50.8 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	23:40-23:45 HOUR	54.8 ^{2/}	53.5 ***	50.8 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	23:45-23:50 HOUR	54.6 ^{2/}	53.5 ***	50.6 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	23:50-23:55 HOUR	54.8 ^{2/}	53.5 ***	50.8 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	23:55-00:00 HOUR	55.4 ^{2/}	53.5 ***	53.9 ^{2/}	53.0 ***	0.9
DECEMBER 31, 2021	NIGHT TIME ^{2/}					
T22AA011-0002	00:00-00:05 HOUR	56.0 ^{2/}	53.5 ***	56.0 ^{2/}	53.0 ***	3.0
	00:05-00:10 HOUR	56.4 ^{2/}	53.5 ***	56.4 ^{2/}	53.0 ***	3.4
	00:10-00:15 HOUR	57.1 ^{2/}	53.5 ***	58.1 ^{2/}	53.0 ***	5.1
	00:15-00:20 HOUR	58.1 ^{2/}	53.5 ***	59.6 ^{2/}	53.0 ***	6.6
	00:20-00:25 HOUR	57.7 ^{2/}	53.5 ***	58.7 ^{2/}	53.0 ***	5.7
	00:25-00:30 HOUR	59.4 ^{2/}	53.5 ***	60.9 ^{2/}	53.0 ***	7.9
	00:30-00:35 HOUR	57.5 ^{2/}	53.5 ***	58.5 ^{2/}	53.0 ***	5.5
	00:35-00:40 HOUR	56.3 ^{2/}	53.5 ***	56.3 ^{2/}	53.0 ***	3.3
	00:40-00:45 HOUR	56.4 ^{2/}	53.5 ***	56.4 ^{2/}	53.0 ***	3.4
	00:45-00:50 HOUR	56.3 ^{2/}	53.5 ***	56.3 ^{2/}	53.0 ***	3.3
	00:50-00:55 HOUR	55.5 ^{2/}	53.5 ***	54.0 ^{2/}	53.0 ***	1.0

DATE	TIME*	RESULT (dB(A))				
		N2: CHICKEN FARM (CARGILL MEATS (THAILAND) CO., LTD.) (UTM WGS 84 ZONE 47P 733172E 1730272N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 31, 2021	NIGHT TIME ^{2/}					
T22AA011-0002	00:55-01:00 HOUR	54.9 ^{2/}	53.5 ***	50.9 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	01:00-01:05 HOUR	55.0 ^{2/}	53.5 ***	53.5 ^{2/}	53.0 ***	0.5
	01:05-01:10 HOUR	54.8 ^{2/}	53.5 ***	50.8 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	55.2 ^{2/}	53.5 ***	53.7 ^{2/}	53.0 ***	0.7
	01:15-01:20 HOUR	56.8 ^{2/}	53.5 ***	56.8 ^{2/}	53.0 ***	3.8
	01:20-01:25 HOUR	56.5 ^{2/}	53.5 ***	56.5 ^{2/}	53.0 ***	3.5
	01:25-01:30 HOUR	54.0 ^{2/}	53.5 ***	50.0 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	01:30-01:35 HOUR	53.8 ^{2/}	53.5 ***	49.8 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	54.9 ^{2/}	53.5 ***	50.9 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	01:40-01:45 HOUR	54.2 ^{2/}	53.5 ***	50.2 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	01:45-01:50 HOUR	54.2 ^{2/}	53.5 ***	50.2 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	01:50-01:55 HOUR	53.9 ^{2/}	53.5 ***	49.9 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	01:55-02:00 HOUR	54.2 ^{2/}	53.5 ***	50.2 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	02:00-02:05 HOUR	54.6 ^{2/}	53.5 ***	50.6 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	54.3 ^{2/}	53.5 ***	50.3 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	02:10-02:15 HOUR	54.0 ^{2/}	53.5 ***	50.0 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	02:15-02:20 HOUR	53.9 ^{2/}	53.5 ***	49.9 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	02:20-02:25 HOUR	54.1 ^{2/}	53.5 ***	50.1 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	54.8 ^{2/}	53.5 ***	50.8 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	02:30-02:35 HOUR	54.9 ^{2/}	53.5 ***	50.9 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	02:35-02:40 HOUR	54.4 ^{2/}	53.5 ***	50.4 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	02:40-02:45 HOUR	55.1 ^{2/}	53.5 ***	53.6 ^{2/}	53.0 ***	0.6
	02:45-02:50 HOUR	54.2 ^{2/}	53.5 ***	50.2 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	54.2 ^{2/}	53.5 ***	50.2 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	02:55-03:00 HOUR	54.5 ^{2/}	53.5 ***	50.5 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	03:00-03:05 HOUR	54.5 ^{2/}	53.5 ***	50.5 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	03:05-03:10 HOUR	54.1 ^{2/}	53.5 ***	50.1 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	03:10-03:15 HOUR	54.2 ^{2/}	53.5 ***	50.2 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	03:15-03:20 HOUR	54.8 ^{2/}	53.5 ***	50.8 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	03:20-03:25 HOUR	55.3 ^{2/}	53.5 ***	53.8 ^{2/}	53.0 ***	0.8
	03:25-03:30 HOUR	55.3 ^{2/}	53.5 ***	53.8 ^{2/}	53.0 ***	0.8
	03:30-03:35 HOUR	55.2 ^{2/}	53.5 ***	53.7 ^{2/}	53.0 ***	0.7
	03:35-03:40 HOUR	55.6 ^{2/}	53.5 ***	54.1 ^{2/}	53.0 ***	1.1
	03:40-03:45 HOUR	55.1 ^{2/}	53.5 ***	53.6 ^{2/}	53.0 ***	0.6
	03:45-03:50 HOUR	55.9 ^{2/}	53.5 ***	54.4 ^{2/}	53.0 ***	1.4
	03:50-03:55 HOUR	55.9 ^{2/}	53.5 ***	54.4 ^{2/}	53.0 ***	1.4
	03:55-04:00 HOUR	55.2 ^{2/}	53.5 ***	53.7 ^{2/}	53.0 ***	0.7
	04:00-04:05 HOUR	54.7 ^{2/}	53.5 ***	50.7 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	04:05-04:10 HOUR	54.7 ^{2/}	53.5 ***	50.7 ^{2/}	53.0 ***	NOT SIGNIFICANT ^{3/}
	04:10-04:15 HOUR	55.1 ^{2/}	53.5 ***	53.6 ^{2/}	53.0 ***	0.6
	04:15-04:20 HOUR	56.7 ^{2/}	53.5 ***	56.7 ^{2/}	53.0 ***	3.7
	04:20-04:25 HOUR	56.7 ^{2/}	53.5 ***	56.7 ^{2/}	53.0 ***	3.7
	04:25-04:30 HOUR	57.0 ^{2/}	53.5 ***	58.0 ^{2/}	53.0 ***	5.0
	04:30-04:35 HOUR	55.9 ^{2/}	53.5 ***	54.4 ^{2/}	53.0 ***	1.4
	04:35-04:40 HOUR	56.3 ^{2/}	53.5 ***	56.3 ^{2/}	53.0 ***	3.3

DATE	TIME*	RESULT (dB(A))				
		N2 : CHICKEN FARM (CARGILL MEATS (THAILAND) CO., LTD.) (UTM WGS 84 ZONE 47P 733172E 1730272N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 31, 2021	NIGHT TIME ^{2/}					
T22AA011-0002	04:40-04:45 HOUR	56.8 ^{2/}	53.5 ***	56.8 ^{2/}	53.0 ***	3.8
	04:45-04:50 HOUR	56.6 ^{2/}	53.5 ***	56.6 ^{2/}	53.0 ***	3.6
	04:50-04:55 HOUR	57.7 ^{2/}	53.5 ***	58.7 ^{2/}	53.0 ***	5.7
	04:55-05:00 HOUR	57.8 ^{2/}	53.5 ***	58.8 ^{2/}	53.0 ***	5.8
	05:00-05:05 HOUR	59.2 ^{2/}	53.5 ***	60.7 ^{2/}	53.0 ***	7.7
	05:05-05:10 HOUR	58.3 ^{2/}	53.5 ***	59.8 ^{2/}	53.0 ***	6.8
	05:10-05:15 HOUR	58.0 ^{2/}	53.5 ***	59.5 ^{2/}	53.0 ***	6.5
	05:15-05:20 HOUR	58.2 ^{2/}	53.5 ***	59.7 ^{2/}	53.0 ***	6.7
	05:20-05:25 HOUR	58.9 ^{2/}	53.5 ***	60.4 ^{2/}	53.0 ***	7.4
	05:25-05:30 HOUR	58.8 ^{2/}	53.5 ***	60.3 ^{2/}	53.0 ***	7.3
	05:30-05:35 HOUR	58.9 ^{2/}	53.5 ***	60.4 ^{2/}	53.0 ***	7.4
	05:35-05:40 HOUR	58.3 ^{2/}	53.5 ***	59.8 ^{2/}	53.0 ***	6.8
	05:40-05:45 HOUR	58.3 ^{2/}	53.5 ***	59.8 ^{2/}	53.0 ***	6.8
	05:45-05:50 HOUR	58.5 ^{2/}	53.5 ***	60.0 ^{2/}	53.0 ***	7.0
	05:50-05:55 HOUR	58.2 ^{2/}	53.5 ***	59.7 ^{2/}	53.0 ***	6.7
	05:55-06:00 HOUR	58.9 ^{2/}	53.5 ***	60.4 ^{2/}	53.0 ***	7.4
	DAY TIME ^{1/}					
	06:00-07:00 HOUR	60.7 ^{1/}	54.8 **	59.2 ^{1/}	52.3 **	6.9
DECEMBER 31, 2021	DAY TIME ^{1/}					
T22AA011-0003	07:00-08:00 HOUR	57.9 ^{1/}	53.9 **	55.9 ^{1/}	52.2 **	3.7
	08:00-09:00 HOUR	55.0 ^{1/}	53.9 **	48.0 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	09:00-10:00 HOUR	53.9 ^{1/}	53.9 **	46.9 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	10:00-11:00 HOUR	52.9 ^{1/}	53.9 **	45.9 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	11:00-12:00 HOUR	52.7 ^{1/}	53.9 **	45.7 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	12:00-13:00 HOUR	52.2 ^{1/}	53.9 **	45.2 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	13:00-14:00 HOUR	53.0 ^{1/}	53.9 **	46.0 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	14:00-15:00 HOUR	53.0 ^{1/}	53.9 **	46.0 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	15:00-16:00 HOUR	52.9 ^{1/}	53.9 **	45.9 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	16:00-17:00 HOUR	52.7 ^{1/}	53.9 **	45.7 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	17:00-18:00 HOUR	53.5 ^{1/}	53.9 **	46.5 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	18:00-19:00 HOUR	55.0 ^{1/}	53.9 **	48.0 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	19:00-20:00 HOUR	56.1 ^{1/}	53.9 **	51.6 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	20:00-21:00 HOUR	55.2 ^{1/}	53.9 **	48.2 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	21:00-22:00 HOUR	54.0 ^{1/}	53.9 **	47.0 ^{1/}	52.2 **	NOT SIGNIFICANT ^{3/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	53.5 ^{2/}	53.1 ***	49.5 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	22:05-22:10 HOUR	53.3 ^{2/}	53.1 ***	49.3 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	22:10-22:15 HOUR	53.5 ^{2/}	53.1 ***	49.5 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	22:15-22:20 HOUR	54.0 ^{2/}	53.1 ***	50.0 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	22:20-22:25 HOUR	53.7 ^{2/}	53.1 ***	49.7 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	22:25-22:30 HOUR	53.0 ^{2/}	53.1 ***	49.0 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	22:30-22:35 HOUR	53.4 ^{2/}	53.1 ***	49.4 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	22:35-22:40 HOUR	53.1 ^{2/}	53.1 ***	49.1 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	22:40-22:45 HOUR	53.5 ^{2/}	53.1 ***	49.5 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	22:45-22:50 HOUR	53.0 ^{2/}	53.1 ***	49.0 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}

DATE	TIME*	RESULT (dB(A))				
		N2 : CHICKEN FARM (CARGILL MEATS (THAILAND) CO., LTD.) (UTM WGS 84 ZONE 47P 733172E 1730272N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 31, 2021	NIGHT TIME ^{2/}					
T22AA011-0003	22:50-22:55 HOUR	53.4 ^{2/}	53.1 ***	49.4 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	22:55-23:00 HOUR	54.0 ^{2/}	53.1 ***	50.0 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	23:00-23:05 HOUR	53.9 ^{2/}	53.1 ***	49.9 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	23:05-23:10 HOUR	54.1 ^{2/}	53.1 ***	50.1 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	23:10-23:15 HOUR	54.2 ^{2/}	53.1 ***	50.2 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	23:15-23:20 HOUR	55.0 ^{2/}	53.1 ***	53.5 ^{2/}	52.4 ***	1.1
	23:20-23:25 HOUR	55.4 ^{2/}	53.1 ***	53.9 ^{2/}	52.4 ***	1.5
	23:25-23:30 HOUR	55.6 ^{2/}	53.1 ***	55.6 ^{2/}	52.4 ***	3.2
	23:30-23:35 HOUR	55.6 ^{2/}	53.1 ***	55.6 ^{2/}	52.4 ***	3.2
	23:35-23:40 HOUR	54.4 ^{2/}	53.1 ***	50.4 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	23:40-23:45 HOUR	54.0 ^{2/}	53.1 ***	50.0 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	23:45-23:50 HOUR	54.9 ^{2/}	53.1 ***	53.4 ^{2/}	52.4 ***	1.0
	23:50-23:55 HOUR	55.0 ^{2/}	53.1 ***	53.5 ^{2/}	52.4 ***	1.1
	23:55-00:00 HOUR	54.3 ^{2/}	53.1 ***	50.3 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
JANUARY 1, 2022	NIGHT TIME ^{2/}					
T22AA011-0003	00:00-00:05 HOUR	54.2 ^{2/}	53.1 ***	50.2 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	00:05-00:10 HOUR	54.3 ^{2/}	53.1 ***	50.3 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	00:10-00:15 HOUR	54.7 ^{2/}	53.1 ***	53.2 ^{2/}	52.4 ***	0.8
	00:15-00:20 HOUR	54.7 ^{2/}	53.1 ***	53.2 ^{2/}	52.4 ***	0.8
	00:20-00:25 HOUR	54.7 ^{2/}	53.1 ***	53.2 ^{2/}	52.4 ***	0.8
	00:25-00:30 HOUR	55.1 ^{2/}	53.1 ***	53.6 ^{2/}	52.4 ***	1.2
	00:30-00:35 HOUR	54.7 ^{2/}	53.1 ***	53.2 ^{2/}	52.4 ***	0.8
	00:35-00:40 HOUR	54.9 ^{2/}	53.1 ***	53.4 ^{2/}	52.4 ***	1.0
	00:40-00:45 HOUR	55.1 ^{2/}	53.1 ***	53.6 ^{2/}	52.4 ***	1.2
	00:45-00:50 HOUR	54.9 ^{2/}	53.1 ***	53.4 ^{2/}	52.4 ***	1.0
	00:50-00:55 HOUR	55.0 ^{2/}	53.1 ***	53.5 ^{2/}	52.4 ***	1.1
	00:55-01:00 HOUR	54.6 ^{2/}	53.1 ***	53.1 ^{2/}	52.4 ***	0.7
	01:00-01:05 HOUR	54.9 ^{2/}	53.1 ***	53.4 ^{2/}	52.4 ***	1.0
	01:05-01:10 HOUR	54.6 ^{2/}	53.1 ***	53.1 ^{2/}	52.4 ***	0.7
	01:10-01:15 HOUR	55.7 ^{2/}	53.1 ***	55.7 ^{2/}	52.4 ***	3.3
	01:15-01:20 HOUR	56.3 ^{2/}	53.1 ***	56.3 ^{2/}	52.4 ***	3.9
	01:20-01:25 HOUR	55.8 ^{2/}	53.1 ***	55.8 ^{2/}	52.4 ***	3.4
	01:25-01:30 HOUR	55.2 ^{2/}	53.1 ***	53.7 ^{2/}	52.4 ***	1.3
	01:30-01:35 HOUR	55.3 ^{2/}	53.1 ***	53.8 ^{2/}	52.4 ***	1.4
	01:35-01:40 HOUR	55.6 ^{2/}	53.1 ***	55.6 ^{2/}	52.4 ***	3.2
	01:40-01:45 HOUR	56.4 ^{2/}	53.1 ***	56.4 ^{2/}	52.4 ***	4.0
	01:45-01:50 HOUR	56.6 ^{2/}	53.1 ***	57.6 ^{2/}	52.4 ***	5.2
	01:50-01:55 HOUR	58.2 ^{2/}	53.1 ***	59.7 ^{2/}	52.4 ***	7.3
	01:55-02:00 HOUR	57.8 ^{2/}	53.1 ***	59.3 ^{2/}	52.4 ***	6.9
	02:00-02:05 HOUR	57.6 ^{2/}	53.1 ***	59.1 ^{2/}	52.4 ***	6.7
	02:05-02:10 HOUR	57.1 ^{2/}	53.1 ***	58.1 ^{2/}	52.4 ***	5.7
	02:10-02:15 HOUR	56.7 ^{2/}	53.1 ***	57.7 ^{2/}	52.4 ***	5.3
	02:15-02:20 HOUR	55.2 ^{2/}	53.1 ***	53.7 ^{2/}	52.4 ***	1.3
	02:20-02:25 HOUR	54.8 ^{2/}	53.1 ***	53.3 ^{2/}	52.4 ***	0.9
	02:25-02:30 HOUR	54.8 ^{2/}	53.1 ***	53.3 ^{2/}	52.4 ***	0.9

DATE	TIME*	RESULT (dB(A))				
		N2: CHICKEN FARM (CARGILL MEATS (THAILAND) CO., LTD.) (UTM WGS 84 ZONE 47P 733172E 1730272N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
JANUARY 1, 2022 T22AA011-0003	NIGHT TIME ^{2/}					
	02:30-02:35 HOUR	55.0 ^{2/}	53.1 ***	53.5 ^{2/}	52.4 ***	1.1
	02:35-02:40 HOUR	54.2 ^{2/}	53.1 ***	50.2 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	02:40-02:45 HOUR	55.1 ^{2/}	53.1 ***	53.6 ^{2/}	52.4 ***	1.2
	02:45-02:50 HOUR	54.5 ^{2/}	53.1 ***	50.5 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	54.8 ^{2/}	53.1 ***	53.3 ^{2/}	52.4 ***	0.9
	02:55-03:00 HOUR	54.5 ^{2/}	53.1 ***	50.5 ^{2/}	52.4 ***	NOT SIGNIFICANT ^{3/}
	03:00-03:05 HOUR	55.1 ^{2/}	53.1 ***	53.6 ^{2/}	52.4 ***	1.2
	03:05-03:10 HOUR	55.2 ^{2/}	53.1 ***	53.7 ^{2/}	52.4 ***	1.3
	03:10-03:15 HOUR	55.7 ^{2/}	53.1 ***	55.7 ^{2/}	52.4 ***	3.3
	03:15-03:20 HOUR	55.5 ^{2/}	53.1 ***	54.0 ^{2/}	52.4 ***	1.6
	03:20-03:25 HOUR	55.5 ^{2/}	53.1 ***	54.0 ^{2/}	52.4 ***	1.6
	03:25-03:30 HOUR	55.1 ^{2/}	53.1 ***	53.6 ^{2/}	52.4 ***	1.2
	03:30-03:35 HOUR	54.9 ^{2/}	53.1 ***	53.4 ^{2/}	52.4 ***	1.0
	03:35-03:40 HOUR	54.8 ^{2/}	53.1 ***	53.3 ^{2/}	52.4 ***	0.9
	03:40-03:45 HOUR	55.7 ^{2/}	53.1 ***	55.7 ^{2/}	52.4 ***	3.3
	03:45-03:50 HOUR	56.0 ^{2/}	53.1 ***	56.0 ^{2/}	52.4 ***	3.6
	03:50-03:55 HOUR	56.0 ^{2/}	53.1 ***	56.0 ^{2/}	52.4 ***	3.6
	03:55-04:00 HOUR	56.4 ^{2/}	53.1 ***	56.4 ^{2/}	52.4 ***	4.0
	04:00-04:05 HOUR	57.1 ^{2/}	53.1 ***	58.1 ^{2/}	52.4 ***	5.7
	04:05-04:10 HOUR	57.2 ^{2/}	53.1 ***	58.2 ^{2/}	52.4 ***	5.8
	04:10-04:15 HOUR	58.6 ^{2/}	53.1 ***	60.1 ^{2/}	52.4 ***	7.7
	04:15-04:20 HOUR	58.4 ^{2/}	53.1 ***	59.9 ^{2/}	52.4 ***	7.5
	04:20-04:25 HOUR	58.1 ^{2/}	53.1 ***	59.6 ^{2/}	52.4 ***	7.2
	04:25-04:30 HOUR	57.3 ^{2/}	53.1 ***	58.3 ^{2/}	52.4 ***	5.9
	04:30-04:35 HOUR	58.6 ^{2/}	53.1 ***	60.1 ^{2/}	52.4 ***	7.7
	04:35-04:40 HOUR	56.8 ^{2/}	53.1 ***	57.8 ^{2/}	52.4 ***	5.4
	04:40-04:45 HOUR	56.8 ^{2/}	53.1 ***	57.8 ^{2/}	52.4 ***	5.4
	04:45-04:50 HOUR	56.5 ^{2/}	53.1 ***	56.5 ^{2/}	52.4 ***	4.1
	04:50-04:55 HOUR	57.6 ^{2/}	53.1 ***	59.1 ^{2/}	52.4 ***	6.7
	04:55-05:00 HOUR	56.8 ^{2/}	53.1 ***	57.8 ^{2/}	52.4 ***	5.4
	05:00-05:05 HOUR	57.6 ^{2/}	53.1 ***	59.1 ^{2/}	52.4 ***	6.7
	05:05-05:10 HOUR	57.6 ^{2/}	53.1 ***	59.1 ^{2/}	52.4 ***	6.7
	05:10-05:15 HOUR	57.3 ^{2/}	53.1 ***	58.3 ^{2/}	52.4 ***	5.9
	05:15-05:20 HOUR	56.4 ^{2/}	53.1 ***	56.4 ^{2/}	52.4 ***	4.0
	05:20-05:25 HOUR	56.9 ^{2/}	53.1 ***	57.9 ^{2/}	52.4 ***	5.5
	05:25-05:30 HOUR	56.6 ^{2/}	53.1 ***	57.6 ^{2/}	52.4 ***	5.2
	05:30-05:35 HOUR	57.4 ^{2/}	53.1 ***	58.4 ^{2/}	52.4 ***	6.0
	05:35-05:40 HOUR	57.8 ^{2/}	53.1 ***	59.3 ^{2/}	52.4 ***	6.9
	05:40-05:45 HOUR	57.6 ^{2/}	53.1 ***	59.1 ^{2/}	52.4 ***	6.7
	05:45-05:50 HOUR	58.0 ^{2/}	53.1 ***	59.5 ^{2/}	52.4 ***	7.1
	05:50-05:55 HOUR	58.2 ^{2/}	53.1 ***	59.7 ^{2/}	52.4 ***	7.3
	05:55-06:00 HOUR	57.3 ^{2/}	53.1 ***	58.3 ^{2/}	52.4 ***	5.9
	DAY TIME ^{4/}					
	06:00-07:00 HOUR	59.3 ^{4/}	53.9 **	57.8 ^{4/}	52.2 **	5.6

- REMARK :
- CASE 1 CALCULATION (DURING 06:00 TO 22:00 HOUR) : SPECIFIC NOISE LEVEL CONTINUOUSLY OCCUR AT LEAST 1 HOUR, MEASURING AS L_{Aeq} 1 hour.
 - CASE 4 CALCULATION (DURING 22:00 TO 06:00 HOUR) : SPECIFIC NOISE LEVEL OCCUR IN RESTFUL AREA OR NIGHT TIME, MEASURING AS L_{Aeq} 5 minutes.
 - NOT SIGNIFICANT MEANS ANNOYING NOISE LEVEL IS LOWER THAN 0.
- ** PERCENTILE LEVEL 90 (L_{A90}) IS MIDDLE VALUE OF 3 TIMES MEASURING.
(15 MINUTES MEASURING DURING 06:00 TO 22:00 HOUR)
AND RESIDUAL NOISE LEVEL (L_{Aeq} 5 minutes) IS CHOSE AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.
- *** PERCENTILE LEVEL 90 (L_{A90}) IS MIDDLE VALUE OF 3 TIMES MEASURING.
(15 MINUTES MEASURING DURING 22:00 TO 06:00 HOUR)
AND RESIDUAL NOISE LEVEL (L_{Aeq} 5 minutes) IS CHOSE AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.

Sila Banjongjairuk
(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

JANUARY 14, 2022

คุณภาพน้ำใต้ดิน



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : MWTR-2 (UP GRADIENT) (UTM WGS 84 ZONE 47P 732888E 1731761N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : JANUARY 17, 2022
SAMPLING TIME : 09:50 HOUR
SAMPLING METHOD ° : SUBMERSIBLE PUMP
SAMPLING BY ° : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : JANUARY 17, 2022
ANALYTICAL DATE : JANUARY 17-24, 2022
REPORT NO. : 2022-U007745
WORK NO. : 2021-008595
ANALYSIS NO. : T22AA881-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWTR-2 (UP GRADIENT) T22AA881-0001		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	6.9 (30°C)	-	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	30	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	944 (30°C)	-	0.1
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.6	-	0.1
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	66.0	-	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	600	-	25
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0003
BARIUM °	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.156	-	0.003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.003	0.002
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 1.0	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	4.16	-	0.005
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.01	0.003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWTR-2 (UP GRADIENT) T22AA881-0001		
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.145	≤ 0.5	0.002
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	< LOQ	≤ 0.001	0.0001
NICKEL °	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.02	0.005
SELENIUM °	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
ZINC °	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 5.0	0.003
VOLATILE ORGANIC COMPOUNDS					
BENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 5	0.20
ETHYLBENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 700	0.20
TOLUENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 1,000	0.20
TOTAL XYLENES °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.60	≤ 10,000	0.60
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

REGULATORY STANDARD : GROUNDWATER QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.20 (B.E. 2543) ISSUED UNDER THE ENHANCEMENT AND CONSERVATION OF NATIONAL ENVIRONMENTAL QUALITY ACT B.E. 2535.

ND : NON-DETECTABLE.

< LOQ : < LEVEL OF QUANTITATION (COPPER ≥ 0.002 AND < 0.025 mg/L, MERCURY ≥ 0.0001 AND < 0.0005 mg/L).

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

FEBRUARY 3, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : MWTRE-2 (DOWN GRADIENT) (UTM WGS 84 ZONE 47P 733017E 1731674N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : JANUARY 17, 2022
SAMPLING TIME : 10:10 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP
SAMPLING BY : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : JANUARY 17, 2022
ANALYTICAL DATE : JANUARY 17-24, 2022
REPORT NO. : 2022-U007746
WORK NO. : 2021-008595
ANALYSIS NO. : T22AA881-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWTRE-2 (DOWN GRADIENT) T22AA881-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H+ B)	7.2 (30°C)	-	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	30	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	1,506 (30°C)	-	0.1
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.9	-	0.1
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	25.3	-	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	861	-	25
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0003
BARIUM °	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.378	-	0.003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.003	0.002
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 1.0	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.705	-	0.005
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.01	0.003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWTRE-2 (DOWN GRADIENT) T22AA881-0002		
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.251	≤ 0.5	0.002
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.001	0.0001
NICKEL °	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.02	0.005
SELENIUM °	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
ZINC °	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 5.0	0.003
VOLATILE ORGANIC COMPOUNDS					
BENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 5	0.20
ETHYLBENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 700	0.20
TOLUENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 1,000	0.20
TOTAL XYLENES °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.60	≤ 10,000	0.60
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

REGULATORY STANDARD : GROUNDWATER QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.20 (B.E. 2543) ISSUED UNDER THE ENHANCEMENT AND CONSERVATION OF NATIONAL ENVIRONMENTAL QUALITY ACT B.E. 2535.

ND : NON-DETECTABLE.

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

FEBRUARY 3, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : GW1: MOO.13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 735384E 1731798N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : JANUARY 16, 2022
SAMPLING TIME : 15:00 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR PEERAPAT BANYATIN
ANALYZED BY : MISS NADNAPA KAMOLBOON

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			GW1: MOO.13 BAN KUT TA BONG T22AA882-0001		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.2 (31°C)	-	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	31	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	632 (31°C)	-	0.1
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.5	-	0.1
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	18.7	-	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	478	-	25
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0011	≤ 0.01	0.0003
BARIUM °	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.016	-	0.003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.003	0.002
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 1.0	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	9.34	-	0.005
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 0.01	0.003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			GW1: MOO.13 BAN KUT TA BONG T22AA882-0001		
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.278	≤ 0.5	0.002
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.001	0.0001
NICKEL °	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.02	0.005
SELENIUM °	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
ZINC °	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	1.61	≤ 5.0	0.003
VOLATILE ORGANIC COMPOUNDS					
BENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 5	0.20
ETHYLBENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 700	0.20
TOLUENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 1,000	0.20
TOTAL XYLENES °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.60	≤ 10,000	0.60
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

REGULATORY STANDARD : GROUNDWATER QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.20 (B.E. 2543) ISSUED UNDER THE ENHANCEMENT AND CONSERVATION OF NATIONAL ENVIRONMENTAL QUALITY ACT B.E. 2535.

ND : NON-DETECTABLE.

< LOQ : < LEVEL OF QUANTITATION (COPPER ≥ 0.002 AND < 0.025 mg/L, LEAD ≥ 0.003 AND < 0.100 mg/L).

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

FEBRUARY 2, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco thai.net
SAMPLING SOURCE : GW2: MOO. 5 BAN TUNG YAI (UTM WGS 84 ZONE 47P 730155E 1728942N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : JANUARY 16, 2022
SAMPLING TIME : 13:30 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS NADNAPA KAMOLBOON

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			GW2: MOO. 5 BAN TUNG YAI T22AA882-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.6 (30°C)	-	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	30	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	992 (30°C)	-	0.1
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.7	-	0.1
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	ND	-	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	702	-	25
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOX-HLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0003
BARIUM °	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.076	-	0.003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.003	0.002
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 1.0	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.194	-	0.005
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.01	0.003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			GW2: MOO. 5 BAN TUNG YAI T22AA882-0002		
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 0.5	0.002
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	< LOQ	≤ 0.001	0.0001
NICKEL °	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.02	0.005
SELENIUM °	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
ZINC °	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 5.0	0.003
VOLATILE ORGANIC COMPOUNDS					
BENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 5	0.20
ETHYLBENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 700	0.20
TOLUENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 1,000	0.20
TOTAL XYLENES °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.60	≤ 10,000	0.60
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR YELLOW		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

REGULATORY STANDARD : GROUNDWATER QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.20 (B.E. 2543) ISSUED UNDER THE ENHANCEMENT AND CONSERVATION OF NATIONAL ENVIRONMENTAL QUALITY ACT B.E. 2535.

ND : NON-DETECTABLE.

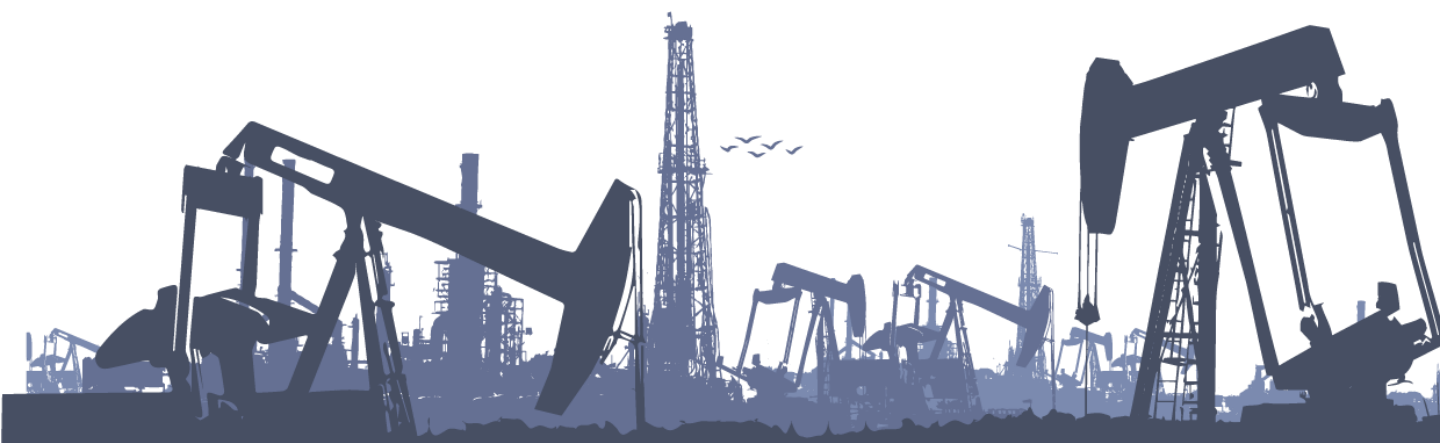
< LOQ : < LEVEL OF QUANTITATION (MANGANESE ≥ 0.002 AND < 0.025 mg/L, MERCURY ≥ 0.0001 AND < 0.0005 mg/L).

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

FEBRUARY 2, 2022



คุณภาพน้ำผิวดิน



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : SW1 : HUI BONG (UP GRADIENT OF TRE-1 AND TRE-2) (UTM WGS 84 ZONE 47P 733131E 1732109N)
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : JANUARY 16, 2022
SAMPLING TIME : 14:30 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS PORNPIMOL WAENTHONG

RECEIVED DATE : JANUARY 17, 2022
ANALYTICAL DATE : JANUARY 17-24, 2022
REPORT NO. : 2022-U007716
WORK NO. : 2021-008595
ANALYSIS NO. : T22AA883-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SURFACE WATER T22AA883-0001		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	8.0 (27°C)	5.0-9.0	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	27	n ¹	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	161 (27°C)	-	0.1
DISSOLVED OXYGEN °	mg/L	AZIDE MODIFICATION METHOD AT SITE (SM: 4500-O C)	5.0	≥ 4.0	0.5
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.1	-	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	1.5	≤ 2.0	1.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	6.5	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	119	-	25
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOX-HLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	-	3
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0003
BARIUM °	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.051	-	0.003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤0.005*, ≤ 0.05**	0.002
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 0.1	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	1.02	-	0.005



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SURFACE WATER T22AA883-0001		
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.05	0.003
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.535	≤ 1.0	0.002
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	< LOQ	≤ 0.002	0.0001
NICKEL °	mg/L Ni	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.1	0.005
SELENIUM °	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	-	0.0005
ZINC °	mg/L Zn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 1.0	0.003
MICROBIOLOGY					
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E)	7.8	≤ 4,000	1.8
VOLATILE ORGANIC COMPOUNDS					
BENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	-	0.20
ETHYLBENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	-	0.20
TOLUENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	-	0.20

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SURFACE WATER T22AA883-0001		
TOTAL XYLENES °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.60	-	0.60
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

REGULATORY STANDARD : SURFACE WATER QUALITY STANDARDS CLASS 3, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD, NO.8,

B.E. 2537 ISSUED UNDER THE ENHANCEMENT AND CONSERVATION OF NATIONAL ENVIRONMENTAL QUALITY

ACT, B.E. 2535, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 111, PART 16, DATED FEBRUARY 24,

B.E. 2537 (1994).

CLASS 3 : MEDIUM CLEAN FRESH SURFACE WATER RESOURCES USED FOR

(1) CONSUMPTION, BUT PASSING THROUGH ON ORDINARY TREATMENT PROCESS BEFORE USING

(2) AGRICULTURE

n¹ : NATURALLY BUT CHANGING NOT MORE THAN 3°C

≤ 0.005* : WHEN WATER HARDNESS NOT MORE THAN 100 mg/L AS CaCO₃

≤ 0.05** : WHEN WATER HARDNESS MORE THAN 100 mg/L AS CaCO₃

ND : NON-DETECTABLE.

< LOQ : < LEVEL OF QUANTITATION (COPPER ≥ 0.002 AND < 0.025 mg/L, MERCURY ≥ 0.0001 AND < 0.0005 mg/L).



(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

FEBRUARY 2, 2022

ANALYSIS REPORT

CUSTOMER NAME	: ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS	: 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION	: TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE	: SW2 : HUI BONG (DOWN GRADIENT OF TRE-1 AND TRE-2) (UTM WGS 84 ZONE 47P 732717E 1731892N)
SAMPLE TYPE	: SURFACE WATER
SAMPLING DATE	: JANUARY 16, 2022
SAMPLING TIME	: 14:00 HOUR
SAMPLING METHOD °	: GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY °	: MR PEERAPAT BANYAT SIN
ANALYZED BY	: MISS PORNPIMOL WAENTHONG
RECEIVED DATE	: JANUARY 17, 2022
ANALYTICAL DATE	: JANUARY 17-24, 2022
REPORT NO.	: 2022-U007717
WORK NO.	: 2021-008595
ANALYSIS NO.	: T22AA883-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SURFACE WATER T22AA883-0002		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	8.0 (26°C)	5.0-9.0	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	26	n ¹	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	202 (26°C)	-	0.1
DISSOLVED OXYGEN °	mg/L	AZIDE MODIFICATION METHOD AT SITE (SM: 4500-O C)	5.1	≥ 4.0	0.5
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.1	-	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	3.1	≤ 2.0	1.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	22.1	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	138	-	25
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	-	3
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0003
BARIUM °	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.143	-	0.003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.005*, ≤ 0.05**	0.002
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 0.1	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.829	-	0.005



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SURFACE WATER T22AA883-0002		
LEAD ^c	mg/L Pb	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.05	0.003
MANGANESE ^c	mg/L Mn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	1.35	≤ 1.0	0.002
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.002	0.0001
NICKEL ^c	mg/L Ni	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.1	0.005
SELENIUM ^c	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	-	0.0005
ZINC ^c	mg/L Zn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 1.0	0.003
MICROBIOLOGY					
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E)	4.0	≤ 4,000	1.8
VOLATILE ORGANIC COMPOUNDS					
BENZENE ^c	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	-	0.20
ETHYLBENZENE ^c	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	-	0.20
TOLUENE ^c	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	-	0.20

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SURFACE WATER T22AA883-0002		
TOTAL XYLENES ^c	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.60	-	0.60
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

REGULATORY STANDARD : SURFACE WATER QUALITY STANDARDS CLASS 3, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD, NO.8, B.E. 2537 ISSUED UNDER THE ENHANCEMENT AND CONSERVATION OF NATIONAL ENVIRONMENTAL QUALITY ACT, B.E. 2535, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 111, PART 16, DATED FEBRUARY 24, B.E. 2537 (1994).

CLASS 3 : MEDIUM CLEAN FRESH SURFACE WATER RESOURCES USED FOR
(1) CONSUMPTION, BUT PASSING THROUGH ON ORDINARY TREATMENT PROCESS BEFORE USING
(2) AGRICULTURE

n¹ : NATURALLY BUT CHANGING NOT MORE THAN 3°C

≤ 0.005* : WHEN WATER HARDNESS NOT MORE THAN 100 mg/L AS CaCO₃

≤ 0.05** : WHEN WATER HARDNESS MORE THAN 100 mg/L AS CaCO₃

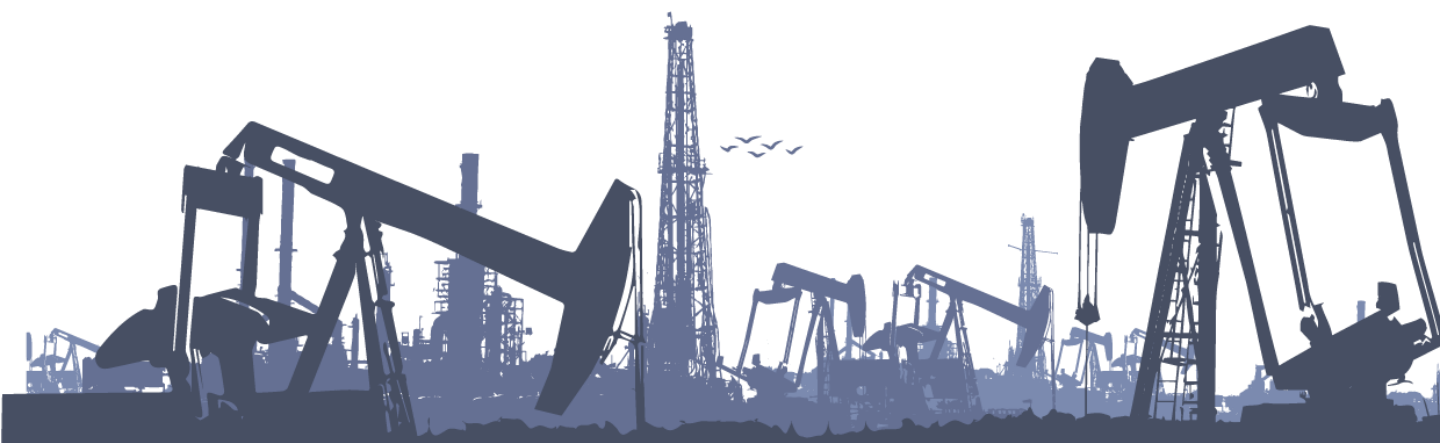
ND : NON-DETECTABLE.

< LOQ : < LEVEL OF QUANTITATION (COPPER ≥ 0.002 AND < 0.025 mg/L).

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

FEBRUARY 2, 2022

ระยะเจาะหลุมปิโตรเลียมพื้นที่ฐานหลุมผลิต WBNE-F



คุณภาพอากาศ



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
SAMPLING SOURCE : WBNE-F-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR WORRAPONG NONTAJAN
ANALYZED BY : MISS JETJARAN TUMSA-AT

RECEIVED DATE : JANUARY 27, 2022
ANALYTICAL DATE : JANUARY 27-31, 2022
REPORT NO. : 2022-U007771
WORK NO. : 2021-008599
ANALYSIS NO. : T22AB476-0001 - T22AB476-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			A1: MOO 14 BAN MAB SAMOR		
			* T22AB476-0001	** T22AB476-0002	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.040	0.086	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.030	0.057	≤ 0.12
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.24, B.E.2547 (2004).
* : SAMPLING FROM 10:30 HOUR ON JANUARY 23, 2022 TO 10:30 HOUR ON JANUARY 24, 2022.
** : SAMPLING FROM 10:30 HOUR ON JANUARY 24, 2022 TO 10:30 HOUR ON JANUARY 25, 2022.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 18, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
SAMPLING SOURCE : WBNE-F-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR WORRAPONG NONTAJAN
ANALYZED BY : MISS JETJARAN TUMSA-AT

RECEIVED DATE : JANUARY 27, 2022
ANALYTICAL DATE : JANUARY 27-31, 2022
REPORT NO. : 2022-U007772
WORK NO. : 2021-008599
ANALYSIS NO. : T22AB476-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			A1: MOO 14 BAN MAB SAMOR T22AB476-0003	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.114	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.064	≤ 0.12
SAMPLE CONDITION			COMPLETE	

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.24, B.E.2547 (2004).
* : SAMPLING FROM 10:30 HOUR ON JANUARY 25, 2022 TO 10:30 HOUR ON JANUARY 26, 2022.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 18, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecoantai.net
SAMPLING SOURCE : WBNE-F-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR WORRAPONG NONTHAJAN
ANALYZED BY : MISS JETJANIN TUMSA-AT

RECEIVED DATE : JANUARY 27, 2022
ANALYTICAL DATE : JANUARY 27-31, 2022
REPORT NO. : 2022-U007773
WORK NO. : 2021-008599
ANALYSIS NO. : T22AB476-0004 - T22AB476-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			A2: NONG KHANOM JEEN HOUSE OF PRIEST		
			*	**	
			T22AB476-0004	T22AB476-0005	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.036	0.037	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.025	0.027	≤ 0.12
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.

PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.

REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.24, B.E.2547 (2004).

* : SAMPLING FROM 10:00 HOUR ON JANUARY 23, 2022 TO 10:00 HOUR ON JANUARY 24, 2022.

** : SAMPLING FROM 10:00 HOUR ON JANUARY 24, 2022 TO 10:00 HOUR ON JANUARY 25, 2022.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 18, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecoantai.net
SAMPLING SOURCE : WBNE-F-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR WORRAPONG NONTHAJAN
ANALYZED BY : MISS JETJANIN TUMSA-AT

RECEIVED DATE : JANUARY 27, 2022
ANALYTICAL DATE : JANUARY 27-31, 2022
REPORT NO. : 2022-U007774
WORK NO. : 2021-008599
ANALYSIS NO. : T22AB476-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			A2: NONG KHANOM JEEN HOUSE OF PRIEST T22AB476-0006	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.053	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.041	≤ 0.12
SAMPLE CONDITION			COMPLETE	

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.

PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.

REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.24, B.E.2547 (2004).

* : SAMPLING FROM 10:00 HOUR ON JANUARY 25, 2022 TO 10:00 HOUR ON JANUARY 26, 2022.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 18, 2022





United Analyst and Engineering Consultant Co., Ltd.
3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260
Tel. 0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING PLACE : WBNE-F-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : JANUARY 23-26, 2022
MEASURING DATE : JANUARY 23-26, 2022 **ANALYTICAL DATE** : JANUARY 23-26, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U009590
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2021-008599
MEASURED BY : MR WORRAPONG NONTAJAN **ANALYSIS NO.** : T22AB476-0001-T22AB476-0003

TIME*	RESULT					
	CARBON MONOXIDE					
	WBNE-F-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)					
	JANUARY 23-24, 2022 T22AB476-0001		JANUARY 24-25, 2022 T22AB476-0002		JANUARY 25-26, 2022 T22AB476-0003	
	CO 1 hour	CO 8 hours	CO 1 hour	CO 8 hours	CO 1 hour	CO 8 hours
07:00-08:00 HOUR	1.80	-	1.40	-	1.69	-
08:00-09:00 HOUR	1.69	-	1.46	-	1.70	-
09:00-10:00 HOUR	1.58	-	1.49	-	1.66	-
10:00-11:00 HOUR	1.42	-	1.55	-	1.59	-
11:00-12:00 HOUR	1.32	-	1.55	-	1.51	-
12:00-13:00 HOUR	1.25	-	1.57	-	1.47	-
13:00-14:00 HOUR	1.19	-	1.60	-	1.39	-
14:00-15:00 HOUR	1.18	1.43	1.60	1.53	1.41	1.55
15:00-16:00 HOUR	1.23	-	1.60	-	1.43	-
16:00-17:00 HOUR	1.28	-	1.55	-	1.45	-
17:00-18:00 HOUR	1.37	-	1.55	-	1.42	-
18:00-19:00 HOUR	1.41	-	1.62	-	1.38	-
19:00-20:00 HOUR	1.48	-	1.69	-	1.37	-
20:00-21:00 HOUR	1.56	-	1.72	-	1.37	-
21:00-22:00 HOUR	1.65	-	1.72	-	1.39	-
22:00-23:00 HOUR	1.74	1.46	1.67	1.64	1.41	1.40
23:00-00:00 HOUR	1.83	-	1.65	-	1.42	-
00:00-01:00 HOUR	1.85	-	1.60	-	1.50	-
01:00-02:00 HOUR	1.80	-	1.62	-	1.52	-
02:00-03:00 HOUR	1.67	-	1.58	-	1.56	-
03:00-04:00 HOUR	1.55	-	1.54	-	1.49	-
04:00-05:00 HOUR	1.48	-	1.50	-	1.43	-
05:00-06:00 HOUR	1.45	-	1.53	-	1.37	-
06:00-07:00 HOUR	1.42	1.63	1.59	1.57	1.35	1.46
UNIT	ppm					

MR SILA BANJONGJAIKUK
LABORATORY SUPERVISOR
FEBRUARY 4, 2022

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- REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.



United Analyst and Engineering Consultant Co., Ltd.
3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260
Tel. 0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

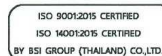
ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING PLACE : WBNE-F-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : JANUARY 23-26, 2022
MEASURING DATE : JANUARY 23-26, 2022 **ANALYTICAL DATE** : JANUARY 23-26, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U009592
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2021-008599
MEASURED BY : MR WORRAPONG NONTAJAN **ANALYSIS NO.** : T22AB476-0001 - T22AB476-0003

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	WBNE-F-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)		
	JANUARY 23 - 24, 2022 T22AB476-0001	JANUARY 24 - 25, 2022 T22AB476-0002	JANUARY 25 - 26, 2022 T22AB476-0003
07:00-08:00 HOUR	0.0071	0.0064	0.0055
08:00-09:00 HOUR	0.0073	0.0067	0.0059
09:00-10:00 HOUR	0.0074	0.0069	0.0063
10:00-11:00 HOUR	0.0070	0.0075	0.0059
11:00-12:00 HOUR	0.0066	0.0077	0.0053
12:00-13:00 HOUR	0.0063	0.0080	0.0044
13:00-14:00 HOUR	0.0068	0.0082	0.0053
14:00-15:00 HOUR	0.0072	0.0079	0.0060
15:00-16:00 HOUR	0.0077	0.0076	0.0064
16:00-17:00 HOUR	0.0078	0.0067	0.0066
17:00-18:00 HOUR	0.0083	0.0062	0.0070
18:00-19:00 HOUR	0.0080	0.0058	0.0069
19:00-20:00 HOUR	0.0075	0.0060	0.0067
20:00-21:00 HOUR	0.0070	0.0064	0.0061
21:00-22:00 HOUR	0.0062	0.0070	0.0061
22:00-23:00 HOUR	0.0062	0.0070	0.0057
23:00-00:00 HOUR	0.0058	0.0074	0.0059
00:00-01:00 HOUR	0.0060	0.0072	0.0060
01:00-02:00 HOUR	0.0058	0.0064	0.0064
02:00-03:00 HOUR	0.0058	0.0059	0.0068
03:00-04:00 HOUR	0.0056	0.0059	0.0070
04:00-05:00 HOUR	0.0061	0.0061	0.0076
05:00-06:00 HOUR	0.0062	0.0055	0.0075
06:00-07:00 HOUR	0.0066	0.0055	0.0073
AVERAGE 24 HOUR	0.0068	0.0067	0.0063

MR SILA BANJONGJAIKUK
LABORATORY SUPERVISOR

FEBRUARY 9, 2022



- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL .
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ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : WBNE-F-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : JANUARY 23-26, 2022
MEASURING DATE : JANUARY 23-26, 2022 **ANALYTICAL DATE** : JANUARY 23-26, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U009594
MEASURING METHOD : UV FLUORESCENCE **WORK NO.** : 2021-008599
MEASURED BY : MR WORRAPONG NONTAJAN **ANALYSIS NO.** : T22AB476-0001 - T22AB476-0003

TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	WBNE-F-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)		
	JANUARY 23 - 24, 2022 T22AB476-0001	JANUARY 24 - 25, 2022 T22AB476-0002	JANUARY 25 - 26, 2022 T22AB476-0003
07:00-08:00 HOUR	0.0019	0.0020	0.0023
08:00-09:00 HOUR	0.0018	0.0020	0.0023
09:00-10:00 HOUR	0.0018	0.0021	0.0021
10:00-11:00 HOUR	0.0019	0.0019	0.0018
11:00-12:00 HOUR	0.0021	0.0020	0.0017
12:00-13:00 HOUR	0.0020	0.0018	0.0019
13:00-14:00 HOUR	0.0021	0.0020	0.0022
14:00-15:00 HOUR	0.0019	0.0021	0.0024
15:00-16:00 HOUR	0.0018	0.0020	0.0022
16:00-17:00 HOUR	0.0018	0.0019	0.0022
17:00-18:00 HOUR	0.0019	0.0018	0.0021
18:00-19:00 HOUR	0.0019	0.0019	0.0022
19:00-20:00 HOUR	0.0017	0.0018	0.0021
20:00-21:00 HOUR	0.0016	0.0019	0.0020
21:00-22:00 HOUR	0.0017	0.0019	0.0019
22:00-23:00 HOUR	0.0020	0.0020	0.0018
23:00-00:00 HOUR	0.0021	0.0020	0.0018
00:00-01:00 HOUR	0.0021	0.0020	0.0019
01:00-02:00 HOUR	0.0018	0.0021	0.0020
02:00-03:00 HOUR	0.0019	0.0023	0.0019
03:00-04:00 HOUR	0.0019	0.0021	0.0019
04:00-05:00 HOUR	0.0020	0.0021	0.0018
05:00-06:00 HOUR	0.0020	0.0022	0.0020
06:00-07:00 HOUR	0.0019	0.0022	0.0020
AVERAGE 24 HOUR	0.0019	0.0020	0.0020

Sila Banjongjairuk

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

FEBRUARY 9, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : WBNE-F-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : JANUARY 23-26, 2022
MEASURING DATE : JANUARY 23-26, 2022 **ANALYTICAL DATE** : JANUARY 23-26, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U009596
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT **WORK NO.** : 2021-008599
MEASURED BY : MR WORRAPONG NONTAJAN **ANALYSIS NO.** : T22AB476-0001 - T22AB476-0003

TIME *	RESULT (m/s)					
	WBNE-F-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)					
	JANUARY 23 - 24, 2022 T22AB476-0001		JANUARY 24 - 25, 2022 T22AB476-0002		JANUARY 25 - 26, 2022 T22AB476-0003	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	2.0	E	1.2	SSE	2.0	ENE
08:00-09:00 HOUR	1.4	E	1.2	SE	1.5	NE
09:00-10:00 HOUR	2.2	ENE	1.6	SSE	2.1	ENE
10:00-11:00 HOUR	1.9	ENE	1.6	SE	1.7	ENE
11:00-12:00 HOUR	1.7	NE	1.9	SE	1.5	E
12:00-13:00 HOUR	2.3	NE	2.2	SSE	1.9	E
13:00-14:00 HOUR	1.9	NE	2.3	SE	1.5	E
14:00-15:00 HOUR	2.1	NE	1.9	SE	1.7	ESE
15:00-16:00 HOUR	2.1	E	1.8	E	1.5	E
16:00-17:00 HOUR	2.3	E	1.8	E	2.3	E
17:00-18:00 HOUR	1.8	SE	1.7	E	1.6	E
18:00-19:00 HOUR	2.4	SE	1.0	ENE	2.5	ENE
19:00-20:00 HOUR	1.9	E	1.2	NE	2.1	ENE
20:00-21:00 HOUR	2.1	SE	1.0	NE	2.0	ENE
21:00-22:00 HOUR	1.8	ESE	1.0	NE	1.1	ENE
22:00-23:00 HOUR	2.3	ESE	0.9	NE	1.4	ENE
23:00-00:00 HOUR	2.0	SE	0.7	NE	0.9	ENE
00:00-01:00 HOUR	1.8	ESE	0.9	NE	1.0	ENE
01:00-02:00 HOUR	1.6	SE	0.8	NE	0.9	ENE
02:00-03:00 HOUR	2.0	E	0.8	NE	0.7	ENE
03:00-04:00 HOUR	1.5	E	1.0	NE	1.2	NE
04:00-05:00 HOUR	1.1	SE	1.5	NE	1.9	NE
05:00-06:00 HOUR	1.1	SSE	1.7	NE	1.5	NE
06:00-07:00 HOUR	1.0	SSE	2.2	ENE	2.1	NE

Sila Banjongjairuk

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

FEBRUARY 9, 2022





United Analyst and Engineering Consultant Co., Ltd.
3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260
Tel. 0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecoantai.net
MEASURING PLACE : WBNE-F-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : JANUARY 23-26, 2022
MEASURING DATE : JANUARY 23-26, 2022 **ANALYTICAL DATE** : JANUARY 23-26, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U009591
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2021-008599
MEASURED BY : MR WORRAPONG NONTHAJAN **ANALYSIS NO.** : T22AB476-0004-T22AB476-0006

TIME*	RESULT					
	CARBON MONOXIDE					
	WBNE-F-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)					
	JANUARY 23-24, 2022 T22AB476-0004		JANUARY 24-25, 2022 T22AB476-0005		JANUARY 25-26, 2022 T22AB476-0006	
	CO 1 hour	CO 8 hours	CO 1 hour	CO 8 hours	CO 1 hour	CO 8 hours
07:00-08:00 HOUR	1.53	-	1.50	-	1.77	-
08:00-09:00 HOUR	1.59	-	1.53	-	1.84	-
09:00-10:00 HOUR	1.64	-	1.48	-	1.78	-
10:00-11:00 HOUR	1.69	-	1.35	-	1.55	-
11:00-12:00 HOUR	1.73	-	1.22	-	1.32	-
12:00-13:00 HOUR	1.70	-	1.16	-	1.18	-
13:00-14:00 HOUR	1.69	-	1.15	-	1.11	-
14:00-15:00 HOUR	1.70	1.66	1.15	1.32	1.10	1.45
15:00-16:00 HOUR	1.75	-	1.18	-	1.07	-
16:00-17:00 HOUR	1.78	-	1.28	-	1.10	-
17:00-18:00 HOUR	1.79	-	1.46	-	1.19	-
18:00-19:00 HOUR	1.75	-	1.64	-	1.36	-
19:00-20:00 HOUR	1.69	-	1.73	-	1.53	-
20:00-21:00 HOUR	1.57	-	1.76	-	1.67	-
21:00-22:00 HOUR	1.50	-	1.66	-	1.72	-
22:00-23:00 HOUR	1.45	1.66	1.53	1.53	1.67	1.41
23:00-00:00 HOUR	1.44	-	1.39	-	1.65	-
00:00-01:00 HOUR	1.43	-	1.32	-	1.65	-
01:00-02:00 HOUR	1.38	-	1.31	-	1.67	-
02:00-03:00 HOUR	1.35	-	1.33	-	1.67	-
03:00-04:00 HOUR	1.30	-	1.32	-	1.66	-
04:00-05:00 HOUR	1.34	-	1.38	-	1.66	-
05:00-06:00 HOUR	1.35	-	1.44	-	1.66	-
06:00-07:00 HOUR	1.42	1.38	1.59	1.38	1.64	1.66
UNIT	ppm					

Sila Banjongjairuk
MR SILA BANJONGJAIKUK
LABORATORY SUPERVISOR
FEBRUARY 4, 2022

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United Analyst and Engineering Consultant Co., Ltd.
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Tel. 0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

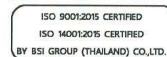
ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecoantai.net
MEASURING PLACE : WBNE-F-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : JANUARY 23-26, 2022
MEASURING DATE : JANUARY 23-26, 2022 **ANALYTICAL DATE** : JANUARY 23-26, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U009591
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2021-008599
MEASURED BY : MR WORRAPONG NONTHAJAN **ANALYSIS NO.** : T22AB476-0004 - T22AB476-0006

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	WBNE-F-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)		
	JANUARY 23 - 24, 2022 T22AB476-0004	JANUARY 24 - 25, 2022 T22AB476-0005	JANUARY 25 - 26, 2022 T22AB476-0006
07:00-08:00 HOUR	0.0044	0.0052	0.0050
08:00-09:00 HOUR	0.0046	0.0044	0.0052
09:00-10:00 HOUR	0.0048	0.0046	0.0047
10:00-11:00 HOUR	0.0053	0.0052	0.0043
11:00-12:00 HOUR	0.0052	0.0036	0.0042
12:00-13:00 HOUR	0.0048	0.0041	0.0042
13:00-14:00 HOUR	0.0047	0.0043	0.0049
14:00-15:00 HOUR	0.0047	0.0051	0.0049
15:00-16:00 HOUR	0.0051	0.0061	0.0051
16:00-17:00 HOUR	0.0051	0.0062	0.0049
17:00-18:00 HOUR	0.0046	0.0062	0.0051
18:00-19:00 HOUR	0.0044	0.0069	0.0053
19:00-20:00 HOUR	0.0050	0.0065	0.0054
20:00-21:00 HOUR	0.0053	0.0066	0.0052
21:00-22:00 HOUR	0.0055	0.0065	0.0049
22:00-23:00 HOUR	0.0051	0.0066	0.0043
23:00-00:00 HOUR	0.0052	0.0062	0.0042
00:00-01:00 HOUR	0.0052	0.0060	0.0039
01:00-02:00 HOUR	0.0051	0.0060	0.0040
02:00-03:00 HOUR	0.0050	0.0058	0.0038
03:00-04:00 HOUR	0.0052	0.0057	0.0038
04:00-05:00 HOUR	0.0047	0.0057	0.0046
05:00-06:00 HOUR	0.0048	0.0052	0.0051
06:00-07:00 HOUR	0.0051	0.0050	0.0056
AVERAGE 24 HOUR	0.0050	0.0056	0.0047

Sila Banjongjairuk
(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

FEBRUARY 9, 2022



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ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : WBNE-F-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : JANUARY 23-26, 2022
MEASURING DATE : JANUARY 23-26, 2022 **ANALYTICAL DATE** : JANUARY 23-26, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U009595
MEASURING METHOD : UV FLUORESCENCE **WORK NO.** : 2021-008599
MEASURED BY : MR WORRAPONG NONTAJAN **ANALYSIS NO.** : T22AB476-0004 - T22AB476-0006

TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	WBNE-F-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)		
	JANUARY 23 - 24, 2022 T22AB476-0004	JANUARY 24 - 25, 2022 T22AB476-0005	JANUARY 25 - 26, 2022 T22AB476-0006
07:00-08:00 HOUR	0.0023	0.0017	0.0019
08:00-09:00 HOUR	0.0023	0.0018	0.0018
09:00-10:00 HOUR	0.0024	0.0020	0.0018
10:00-11:00 HOUR	0.0023	0.0022	0.0020
11:00-12:00 HOUR	0.0023	0.0022	0.0020
12:00-13:00 HOUR	0.0021	0.0020	0.0021
13:00-14:00 HOUR	0.0018	0.0019	0.0019
14:00-15:00 HOUR	0.0016	0.0018	0.0019
15:00-16:00 HOUR	0.0018	0.0020	0.0018
16:00-17:00 HOUR	0.0018	0.0021	0.0018
17:00-18:00 HOUR	0.0019	0.0023	0.0019
18:00-19:00 HOUR	0.0018	0.0024	0.0020
19:00-20:00 HOUR	0.0019	0.0024	0.0020
20:00-21:00 HOUR	0.0018	0.0023	0.0021
21:00-22:00 HOUR	0.0018	0.0020	0.0020
22:00-23:00 HOUR	0.0021	0.0019	0.0019
23:00-00:00 HOUR	0.0023	0.0021	0.0019
00:00-01:00 HOUR	0.0024	0.0019	0.0021
01:00-02:00 HOUR	0.0026	0.0020	0.0021
02:00-03:00 HOUR	0.0025	0.0019	0.0019
03:00-04:00 HOUR	0.0022	0.0021	0.0018
04:00-05:00 HOUR	0.0021	0.0022	0.0017
05:00-06:00 HOUR	0.0020	0.0021	0.0018
06:00-07:00 HOUR	0.0018	0.0020	0.0019
AVERAGE 24 HOUR	0.0021	0.0021	0.0019

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

FEBRUARY 9, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : WBNE-F-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : JANUARY 23-26, 2022
MEASURING DATE : JANUARY 23-26, 2022 **ANALYTICAL DATE** : JANUARY 23-26, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U009595
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT **WORK NO.** : 2021-008599
MEASURED BY : MR WORRAPONG NONTAJAN **ANALYSIS NO.** : T22AB476-0004 - T22AB476-0006

TIME *	RESULT (m/s)					
	WBNE-F-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)					
	JANUARY 23 - 24, 2022 T22AB476-0004		JANUARY 24 - 25, 2022 T22AB476-0005		JANUARY 25 - 26, 2022 T22AB476-0006	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	0.9	NE	1.0	NE	1.9	ESE
08:00-09:00 HOUR	0.8	E	1.5	NE	2.0	SSE
09:00-10:00 HOUR	1.0	ENE	1.5	NE	1.5	SE
10:00-11:00 HOUR	1.3	E	1.6	NE	2.2	SE
11:00-12:00 HOUR	1.1	E	2.3	NE	1.5	SE
12:00-13:00 HOUR	1.1	E	2.4	NNE	1.7	ESE
13:00-14:00 HOUR	1.0	ESE	1.6	NNE	1.4	ENE
14:00-15:00 HOUR	1.1	E	1.7	NNE	1.6	ENE
15:00-16:00 HOUR	0.8	E	2.4	NNE	1.4	E
16:00-17:00 HOUR	1.0	ENE	1.8	N	0.8	ESE
17:00-18:00 HOUR	1.1	NE	1.6	NNE	0.8	SE
18:00-19:00 HOUR	1.0	ENE	2.1	NE	1.0	SE
19:00-20:00 HOUR	0.8	NE	2.0	NE	1.2	SE
20:00-21:00 HOUR	0.9	NNE	1.8	ENE	1.1	SE
21:00-22:00 HOUR	1.0	NNE	1.6	ENE	1.0	E
22:00-23:00 HOUR	0.8	NNE	1.7	ENE	1.1	ENE
23:00-00:00 HOUR	0.9	NNE	1.8	E	0.9	ENE
00:00-01:00 HOUR	1.2	NNE	2.1	E	0.9	NE
01:00-02:00 HOUR	1.3	NNE	1.6	SE	0.8	NE
02:00-03:00 HOUR	0.9	NNE	1.7	ESE	1.1	NE
03:00-04:00 HOUR	0.8	NNE	1.7	SE	1.1	NNE
04:00-05:00 HOUR	0.9	NE	1.6	SE	0.8	NNE
05:00-06:00 HOUR	1.0	NNE	1.8	SE	1.1	NNE
06:00-07:00 HOUR	1.2	NE	1.7	SSE	1.2	NNE

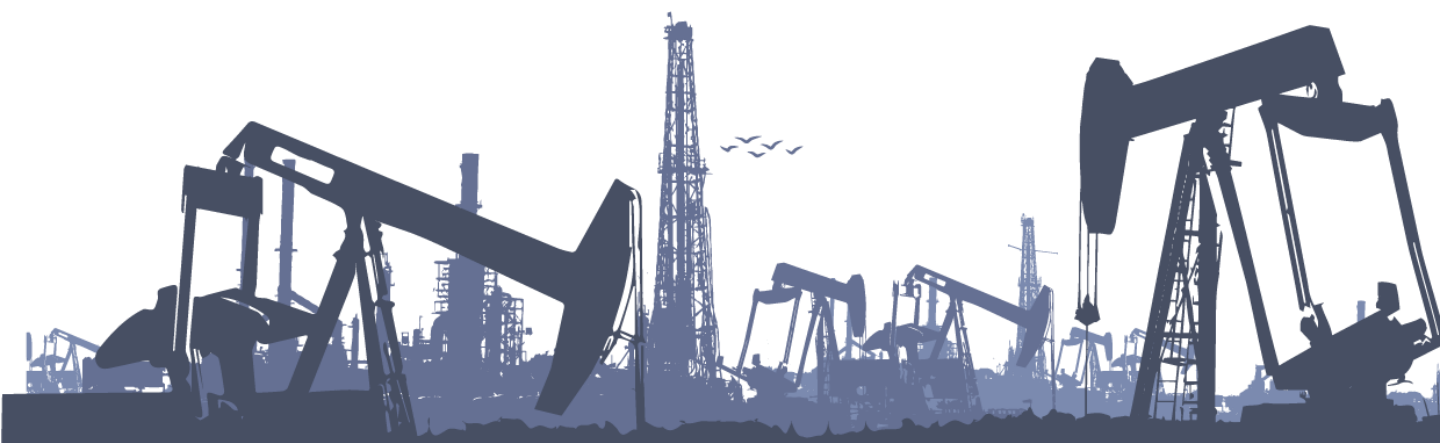
Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

FEBRUARY 9, 2022



ระดับเสียง



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING SOURCE : WBNE-F-N3 : MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 733844E 1731480N)
MEASURING TYPE : AMBIENT (NOISE) **RECEIVED DATE** : JANUARY 23-26, 2022
MEASURING DATE : JANUARY 23-26, 2022 **ANALYTICAL DATE** : JANUARY 23-26, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U009588
MEASURING METHOD : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2021-008599
MEASURED BY : MR WORRAPONG NONTHAJAN **ANALYSIS NO.** : T22AB476-0007 - T22AB476-0009

TIME*	RESULT dB(A)		
	WBNE-F-N3 : MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 733844E 1731480N)		
	JANUARY 23 - 24, 2022		
	T22AB476-0007		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	48.5	71.5	42.5
08:00-09:00 HOUR	44.0	58.4	39.7
09:00-10:00 HOUR	45.3	65.2	38.5
10:00-11:00 HOUR	44.9	63.5	38.6
11:00-12:00 HOUR	44.7	62.8	39.2
12:00-13:00 HOUR	44.9	60.6	39.5
13:00-14:00 HOUR	45.1	59.6	39.9
14:00-15:00 HOUR	45.6	61.4	40.3
15:00-16:00 HOUR	45.1	63.1	39.6
16:00-17:00 HOUR	45.6	65.6	38.7
17:00-18:00 HOUR	46.0	64.4	38.2
18:00-19:00 HOUR	46.7	57.0	45.2
19:00-20:00 HOUR	46.5	58.6	45.3
20:00-21:00 HOUR	45.6	64.1	44.1
21:00-22:00 HOUR	45.9	59.0	44.5
22:00-23:00 HOUR	45.8	55.3	44.7
23:00-00:00 HOUR	45.6	57.4	44.4
00:00-01:00 HOUR	45.4	52.6	44.0
01:00-02:00 HOUR	45.0	55.2	43.3
02:00-03:00 HOUR	44.8	52.5	42.4
03:00-04:00 HOUR	45.1	55.6	43.0
04:00-05:00 HOUR	44.6	56.5	42.4
05:00-06:00 HOUR	45.9	58.1	44.0
06:00-07:00 HOUR	50.1	67.1	45.3
L _{Aeq} 24 hours	45.9		
L _{Adn}	52.5		

TIME*	RESULT dB(A)		
	WBNE-F-N3 : MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 733844E 1731480N)		
	JANUARY 24 - 25, 2022		
	T22AB476-0008		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	48.4	69.9	41.6
08:00-09:00 HOUR	45.8	64.1	39.7
09:00-10:00 HOUR	46.6	71.8	40.2
10:00-11:00 HOUR	47.8	60.8	43.4
11:00-12:00 HOUR	46.3	56.8	41.0
12:00-13:00 HOUR	47.1	60.4	42.1
13:00-14:00 HOUR	45.9	60.7	40.6
14:00-15:00 HOUR	46.6	62.0	40.4
15:00-16:00 HOUR	45.6	61.5	40.7
16:00-17:00 HOUR	45.8	60.5	40.8
17:00-18:00 HOUR	46.4	74.7	40.3
18:00-19:00 HOUR	46.1	63.2	43.6
19:00-20:00 HOUR	45.4	60.2	42.5
20:00-21:00 HOUR	46.0	58.0	43.3
21:00-22:00 HOUR	48.0	60.1	46.1
22:00-23:00 HOUR	46.4	53.2	45.1
23:00-00:00 HOUR	45.8	55.9	44.6
00:00-01:00 HOUR	45.4	55.0	44.2
01:00-02:00 HOUR	45.0	57.5	43.6
02:00-03:00 HOUR	44.1	49.8	43.1
03:00-04:00 HOUR	43.8	55.0	42.1
04:00-05:00 HOUR	44.8	57.4	42.5
05:00-06:00 HOUR	46.6	59.1	44.6
06:00-07:00 HOUR	48.7	69.1	43.6
L _{Aeq} 24 hours	46.4		
L _{Adn}	52.4		



TIME*	RESULT dB(A)		
	WBNE-F-N3 : MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 733844E 1731480N)		
	JANUARY 25 - 26, 2022		
	T22AB476-0009		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	47.2	67.8	40.9
08:00-09:00 HOUR	45.3	60.6	39.9
09:00-10:00 HOUR	46.8	66.6	39.6
10:00-11:00 HOUR	47.2	60.1	42.7
11:00-12:00 HOUR	45.8	61.5	41.2
12:00-13:00 HOUR	45.6	62.9	40.1
13:00-14:00 HOUR	45.4	58.9	40.9
14:00-15:00 HOUR	45.9	57.6	40.8
15:00-16:00 HOUR	48.7	64.7	41.8
16:00-17:00 HOUR	47.5	68.6	41.3
17:00-18:00 HOUR	45.9	67.9	39.5
18:00-19:00 HOUR	47.9	64.2	43.3
19:00-20:00 HOUR	48.5	60.0	45.0
20:00-21:00 HOUR	46.5	60.2	44.9
21:00-22:00 HOUR	46.2	62.7	44.0
22:00-23:00 HOUR	46.0	52.6	45.2
23:00-00:00 HOUR	45.2	58.1	44.2
00:00-01:00 HOUR	45.6	58.1	44.5
01:00-02:00 HOUR	44.7	51.7	43.9
02:00-03:00 HOUR	43.7	52.3	42.2
03:00-04:00 HOUR	43.7	54.4	41.9
04:00-05:00 HOUR	44.7	60.7	43.5
05:00-06:00 HOUR	45.6	57.5	43.9
06:00-07:00 HOUR	48.0	62.7	44.1
L _{Aeq} 24 hours		46.4	
L _{Adn}		52.1	


(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

FEBRUARY 9, 2022

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING PLACE : WBNE-F-N3 : MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 733844E 1731480N)
MEASURING TYPE : AMBIENT (ANNOYANCE NOISE)
MEASURING DATE : JANUARY 23-26, 2022
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION
MEASURED BY : MR WORRAPONG NONTAJAN

RECEIVED DATE : JANUARY 23-26, 2022
ANALYTICAL DATE : JANUARY 23-26, 2022
REPORT NO. : 2022-U009589
WORK NO. : 2021-008599
ANALYSIS NO. : T22AB476-0007 - T22AB476-0009

DATE	TIME*	RESULT (dB(A))				
		WBNE-F-N3 : MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 733844E 1731480N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
JANUARY 23, 2022	DAY TIME ^{1/}					
T22AB476-0007	07:00-08:00 HOUR	48.5 ^{1/}	44.6 **	46.5 ^{1/}	43.9 **	2.7
	08:00-09:00 HOUR	44.0 ^{1/}	44.6 **	37.0 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	09:00-10:00 HOUR	45.3 ^{1/}	44.6 **	38.3 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	10:00-11:00 HOUR	44.9 ^{1/}	44.6 **	37.9 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	11:00-12:00 HOUR	44.7 ^{1/}	44.6 **	37.7 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	12:00-13:00 HOUR	44.9 ^{1/}	44.6 **	37.9 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	13:00-14:00 HOUR	45.1 ^{1/}	44.6 **	38.1 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	14:00-15:00 HOUR	45.6 ^{1/}	44.6 **	38.6 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	15:00-16:00 HOUR	45.1 ^{1/}	44.6 **	38.1 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	16:00-17:00 HOUR	45.6 ^{1/}	44.6 **	38.6 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	17:00-18:00 HOUR	46.0 ^{1/}	44.6 **	39.0 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	18:00-19:00 HOUR	46.7 ^{1/}	44.6 **	42.2 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	19:00-20:00 HOUR	46.5 ^{1/}	44.6 **	42.0 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	20:00-21:00 HOUR	45.6 ^{1/}	44.6 **	38.6 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	21:00-22:00 HOUR	45.9 ^{1/}	44.6 **	38.9 ^{1/}	43.9 **	NOT SIGNIFICANT ^{3/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	46.6 ^{2/}	44.5 ***	45.1 ^{2/}	43.4 ***	1.8
	22:05-22:10 HOUR	45.4 ^{2/}	44.5 ***	41.4 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	22:10-22:15 HOUR	45.6 ^{2/}	44.5 ***	41.6 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	22:15-22:20 HOUR	47.2 ^{2/}	44.5 ***	47.2 ^{2/}	43.4 ***	3.8
	22:20-22:25 HOUR	45.9 ^{2/}	44.5 ***	41.9 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	22:25-22:30 HOUR	45.0 ^{2/}	44.5 ***	41.0 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	22:30-22:35 HOUR	44.4 ^{2/}	44.5 ***	40.4 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	22:35-22:40 HOUR	46.8 ^{2/}	44.5 ***	45.3 ^{2/}	43.4 ***	1.9
	22:40-22:45 HOUR	45.1 ^{2/}	44.5 ***	41.1 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	22:45-22:50 HOUR	45.8 ^{2/}	44.5 ***	41.8 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	22:50-22:55 HOUR	46.3 ^{2/}	44.5 ***	44.8 ^{2/}	43.4 ***	1.5
	22:55-23:00 HOUR	45.0 ^{2/}	44.5 ***	41.0 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	23:00-23:05 HOUR	45.1 ^{2/}	44.5 ***	41.1 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	23:05-23:10 HOUR	44.3 ^{2/}	44.5 ***	40.3 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	23:10-23:15 HOUR	44.8 ^{2/}	44.5 ***	40.8 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	23:15-23:20 HOUR	44.5 ^{2/}	44.5 ***	40.5 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	23:20-23:25 HOUR	43.8 ^{2/}	44.5 ***	39.8 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}



DATE	TIME*	RESULT (dB(A))				
		WBNE-F-N3 : MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 733844E 1731480N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
JANUARY 23, 2022	NIGHT TIME ^{2/}					
T22AB476-0007	23:25-23:30 HOUR	44.8 ^{2/}	44.5 ***	40.8 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	23:30-23:35 HOUR	46.4 ^{2/}	44.5 ***	44.9 ^{2/}	43.4 ***	1.5
	23:35-23:40 HOUR	47.0 ^{2/}	44.5 ***	47.0 ^{2/}	43.4 ***	3.6
	23:40-23:45 HOUR	46.6 ^{2/}	44.5 ***	45.1 ^{2/}	43.4 ***	1.8
	23:45-23:50 HOUR	46.8 ^{2/}	44.5 ***	45.3 ^{2/}	43.4 ***	1.9
	23:50-23:55 HOUR	45.8 ^{2/}	44.5 ***	41.8 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	23:55-00:00 HOUR	46.3 ^{2/}	44.5 ***	44.8 ^{2/}	43.4 ***	1.4
JANUARY 24, 2022	NIGHT TIME ^{2/}					
T22AB476-0007	00:00-00:05 HOUR	46.1 ^{2/}	44.5 ***	44.6 ^{2/}	43.4 ***	1.3
	00:05-00:10 HOUR	46.6 ^{2/}	44.5 ***	45.1 ^{2/}	43.4 ***	1.7
	00:10-00:15 HOUR	45.4 ^{2/}	44.5 ***	41.4 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	00:15-00:20 HOUR	45.0 ^{2/}	44.5 ***	41.0 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	00:20-00:25 HOUR	44.7 ^{2/}	44.5 ***	40.7 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	00:25-00:30 HOUR	45.0 ^{2/}	44.5 ***	41.0 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	00:30-00:35 HOUR	46.0 ^{2/}	44.5 ***	44.5 ^{2/}	43.4 ***	1.2
	00:35-00:40 HOUR	45.7 ^{2/}	44.5 ***	41.7 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	00:40-00:45 HOUR	45.5 ^{2/}	44.5 ***	41.5 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	00:45-00:50 HOUR	44.9 ^{2/}	44.5 ***	40.9 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	00:50-00:55 HOUR	44.7 ^{2/}	44.5 ***	40.7 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	00:55-01:00 HOUR	44.6 ^{2/}	44.5 ***	40.6 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	01:00-01:05 HOUR	43.8 ^{2/}	44.5 ***	39.8 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	01:05-01:10 HOUR	45.3 ^{2/}	44.5 ***	41.3 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	44.4 ^{2/}	44.5 ***	40.4 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	45.1 ^{2/}	44.5 ***	41.1 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	01:20-01:25 HOUR	44.7 ^{2/}	44.5 ***	40.7 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	45.5 ^{2/}	44.5 ***	41.5 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	01:30-01:35 HOUR	44.5 ^{2/}	44.5 ***	40.5 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	45.3 ^{2/}	44.5 ***	41.3 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	01:40-01:45 HOUR	45.1 ^{2/}	44.5 ***	41.1 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	01:45-01:50 HOUR	44.9 ^{2/}	44.5 ***	40.9 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	01:50-01:55 HOUR	46.0 ^{2/}	44.5 ***	44.5 ^{2/}	43.4 ***	1.1
	01:55-02:00 HOUR	44.6 ^{2/}	44.5 ***	40.6 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	02:00-02:05 HOUR	45.0 ^{2/}	44.5 ***	41.0 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	45.5 ^{2/}	44.5 ***	41.5 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	02:10-02:15 HOUR	45.6 ^{2/}	44.5 ***	41.6 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	02:15-02:20 HOUR	44.5 ^{2/}	44.5 ***	40.5 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	02:20-02:25 HOUR	43.9 ^{2/}	44.5 ***	39.9 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	43.6 ^{2/}	44.5 ***	39.6 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	02:30-02:35 HOUR	45.0 ^{2/}	44.5 ***	41.0 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	02:35-02:40 HOUR	44.1 ^{2/}	44.5 ***	40.1 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	02:40-02:45 HOUR	45.2 ^{2/}	44.5 ***	41.2 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	02:45-02:50 HOUR	44.1 ^{2/}	44.5 ***	40.1 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	45.4 ^{2/}	44.5 ***	41.4 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	02:55-03:00 HOUR	44.8 ^{2/}	44.5 ***	40.8 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	03:00-03:05 HOUR	45.8 ^{2/}	44.5 ***	41.8 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}

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2022-U009589

DATE	TIME*	RESULT (dB(A))				
		WBNE-F-N3 : MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 733844E 1731480N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
JANUARY 24, 2022	NIGHT TIME ^{2/}					
T22AB476-0007	03:05-03:10 HOUR	45.7 ^{2/}	44.5 ***	41.7 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	03:10-03:15 HOUR	45.5 ^{2/}	44.5 ***	41.5 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	03:15-03:20 HOUR	45.1 ^{2/}	44.5 ***	41.1 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	03:20-03:25 HOUR	44.9 ^{2/}	44.5 ***	40.9 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	03:25-03:30 HOUR	46.3 ^{2/}	44.5 ***	44.8 ^{2/}	43.4 ***	1.5
	03:30-03:35 HOUR	45.3 ^{2/}	44.5 ***	41.3 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	03:35-03:40 HOUR	44.9 ^{2/}	44.5 ***	40.9 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	03:40-03:45 HOUR	45.2 ^{2/}	44.5 ***	41.2 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	03:45-03:50 HOUR	44.7 ^{2/}	44.5 ***	40.7 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	03:50-03:55 HOUR	43.4 ^{2/}	44.5 ***	39.4 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	03:55-04:00 HOUR	43.7 ^{2/}	44.5 ***	39.7 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	04:00-04:05 HOUR	45.5 ^{2/}	44.5 ***	41.5 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	04:05-04:10 HOUR	44.3 ^{2/}	44.5 ***	40.3 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	04:10-04:15 HOUR	43.1 ^{2/}	44.5 ***	39.1 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	04:15-04:20 HOUR	44.3 ^{2/}	44.5 ***	40.3 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	04:20-04:25 HOUR	43.4 ^{2/}	44.5 ***	39.4 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	04:25-04:30 HOUR	44.0 ^{2/}	44.5 ***	40.0 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	04:30-04:35 HOUR	42.9 ^{2/}	44.5 ***	38.9 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	04:35-04:40 HOUR	44.0 ^{2/}	44.5 ***	40.0 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	04:40-04:45 HOUR	45.2 ^{2/}	44.5 ***	41.2 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	04:45-04:50 HOUR	44.5 ^{2/}	44.5 ***	40.5 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	04:50-04:55 HOUR	46.8 ^{2/}	44.5 ***	45.3 ^{2/}	43.4 ***	1.9
	04:55-05:00 HOUR	45.8 ^{2/}	44.5 ***	41.8 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	05:00-05:05 HOUR	45.3 ^{2/}	44.5 ***	41.3 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	05:05-05:10 HOUR	45.9 ^{2/}	44.5 ***	41.9 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	05:10-05:15 HOUR	46.2 ^{2/}	44.5 ***	44.7 ^{2/}	43.4 ***	1.4
	05:15-05:20 HOUR	43.9 ^{2/}	44.5 ***	39.9 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	05:20-05:25 HOUR	47.8 ^{2/}	44.5 ***	47.8 ^{2/}	43.4 ***	4.5
	05:25-05:30 HOUR	47.5 ^{2/}	44.5 ***	47.5 ^{2/}	43.4 ***	4.1
	05:30-05:35 HOUR	47.2 ^{2/}	44.5 ***	47.2 ^{2/}	43.4 ***	3.9
	05:35-05:40 HOUR	45.5 ^{2/}	44.5 ***	41.5 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	05:40-05:45 HOUR	45.9 ^{2/}	44.5 ***	41.9 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	05:45-05:50 HOUR	45.5 ^{2/}	44.5 ***	41.5 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	05:50-05:55 HOUR	44.3 ^{2/}	44.5 ***	40.3 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	05:55-06:00 HOUR	43.9 ^{2/}	44.5 ***	39.9 ^{2/}	43.4 ***	NOT SIGNIFICANT ^{3/}
	DAY TIME ^{3/}					
JANUARY 24, 2022	DAY TIME ^{3/}					
T22AB476-0008	06:00-07:00 HOUR	50.1 ^{1/}	44.6 **	48.6 ^{1/}	43.9 **	4.8
	07:00-08:00 HOUR	48.4 ^{1/}	45.3 **	45.4 ^{1/}	42.4 **	3.1
	08:00-09:00 HOUR	45.8 ^{1/}	45.3 **	38.8 ^{1/}	42.4 **	NOT SIGNIFICANT ^{3/}
	09:00-10:00 HOUR	46.6 ^{1/}	45.3 **	39.6 ^{1/}	42.4 **	NOT SIGNIFICANT ^{3/}
	10:00-11:00 HOUR	47.8 ^{1/}	45.3 **	44.8 ^{1/}	42.4 **	2.5
	11:00-12:00 HOUR	46.3 ^{1/}	45.3 **	39.3 ^{1/}	42.4 **	NOT SIGNIFICANT ^{3/}
	12:00-13:00 HOUR	47.1 ^{1/}	45.3 **	42.6 ^{1/}	42.4 **	0.3
	13:00-14:00 HOUR	45.9 ^{1/}	45.3 **	38.9 ^{1/}	42.4 **	NOT SIGNIFICANT ^{3/}

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2022-U009589

DATE	TIME*	RESULT (dB(A))				
		WBNE-F-N3 : MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 733844E 1731480N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
JANUARY 24, 2022 T22AB476-0008	DAY TIME ^{1/}					
	14:00-15:00 HOUR	46.6 ^{1/}	45.3 **	39.6 ^{1/}	42.4 **	NOT SIGNIFICANT ^{3/}
	15:00-16:00 HOUR	45.6 ^{1/}	45.3 **	38.6 ^{1/}	42.4 **	NOT SIGNIFICANT ^{3/}
	16:00-17:00 HOUR	45.8 ^{1/}	45.3 **	38.8 ^{1/}	42.4 **	NOT SIGNIFICANT ^{3/}
	17:00-18:00 HOUR	46.4 ^{1/}	45.3 **	39.4 ^{1/}	42.4 **	NOT SIGNIFICANT ^{3/}
	18:00-19:00 HOUR	46.1 ^{1/}	45.3 **	39.1 ^{1/}	42.4 **	NOT SIGNIFICANT ^{3/}
	19:00-20:00 HOUR	45.4 ^{1/}	45.3 **	38.4 ^{1/}	42.4 **	NOT SIGNIFICANT ^{3/}
	20:00-21:00 HOUR	46.0 ^{1/}	45.3 **	39.0 ^{1/}	42.4 **	NOT SIGNIFICANT ^{3/}
	21:00-22:00 HOUR	48.0 ^{1/}	45.3 **	45.0 ^{1/}	42.4 **	2.7
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	47.5 ^{2/}	44.5 ***	47.5 ^{2/}	43.6 ***	3.9
	22:05-22:10 HOUR	47.9 ^{2/}	44.5 ***	47.9 ^{2/}	43.6 ***	4.3
	22:10-22:15 HOUR	48.5 ^{2/}	44.5 ***	49.5 ^{2/}	43.6 ***	5.9
	22:15-22:20 HOUR	46.3 ^{2/}	44.5 ***	44.8 ^{2/}	43.6 ***	1.2
	22:20-22:25 HOUR	46.2 ^{2/}	44.5 ***	44.7 ^{2/}	43.6 ***	1.1
	22:25-22:30 HOUR	45.5 ^{2/}	44.5 ***	41.5 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	22:30-22:35 HOUR	45.0 ^{2/}	44.5 ***	41.0 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	22:35-22:40 HOUR	45.4 ^{2/}	44.5 ***	41.4 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	22:40-22:45 HOUR	45.2 ^{2/}	44.5 ***	41.2 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	22:45-22:50 HOUR	45.5 ^{2/}	44.5 ***	41.5 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	22:50-22:55 HOUR	46.3 ^{2/}	44.5 ***	44.8 ^{2/}	43.6 ***	1.2
	22:55-23:00 HOUR	46.4 ^{2/}	44.5 ***	44.9 ^{2/}	43.6 ***	1.3
	23:00-23:05 HOUR	46.1 ^{2/}	44.5 ***	44.6 ^{2/}	43.6 ***	1.0
	23:05-23:10 HOUR	45.1 ^{2/}	44.5 ***	41.1 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	23:10-23:15 HOUR	45.3 ^{2/}	44.5 ***	41.3 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	23:15-23:20 HOUR	45.5 ^{2/}	44.5 ***	41.5 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	23:20-23:25 HOUR	45.6 ^{2/}	44.5 ***	41.6 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	23:25-23:30 HOUR	45.6 ^{2/}	44.5 ***	41.6 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	23:30-23:35 HOUR	46.0 ^{2/}	44.5 ***	44.5 ^{2/}	43.6 ***	0.9
	23:35-23:40 HOUR	45.6 ^{2/}	44.5 ***	41.6 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	23:40-23:45 HOUR	45.2 ^{2/}	44.5 ***	41.2 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	23:45-23:50 HOUR	46.2 ^{2/}	44.5 ***	44.7 ^{2/}	43.6 ***	1.1
	23:50-23:55 HOUR	45.6 ^{2/}	44.5 ***	41.6 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	23:55-00:00 HOUR	46.8 ^{2/}	44.5 ***	45.3 ^{2/}	43.6 ***	1.7
JANUARY 25, 2022 T22AB476-0008	NIGHT TIME ^{2/}					
	00:00-00:05 HOUR	45.4 ^{2/}	44.5 ***	41.4 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	00:05-00:10 HOUR	45.4 ^{2/}	44.5 ***	41.4 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	00:10-00:15 HOUR	46.3 ^{2/}	44.5 ***	44.8 ^{2/}	43.6 ***	1.2
	00:15-00:20 HOUR	46.7 ^{2/}	44.5 ***	45.2 ^{2/}	43.6 ***	1.6
	00:20-00:25 HOUR	45.2 ^{2/}	44.5 ***	41.2 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	00:25-00:30 HOUR	45.1 ^{2/}	44.5 ***	41.1 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	00:30-00:35 HOUR	45.5 ^{2/}	44.5 ***	41.5 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	00:35-00:40 HOUR	44.9 ^{2/}	44.5 ***	40.9 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	00:40-00:45 HOUR	45.1 ^{2/}	44.5 ***	41.1 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	00:45-00:50 HOUR	45.4 ^{2/}	44.5 ***	41.4 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	00:50-00:55 HOUR	44.4 ^{2/}	44.5 ***	40.4 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}

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2022-U009589

DATE	TIME*	RESULT (dB(A))				
		WBNE-F-N3 : MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 733844E 1731480N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
JANUARY 25, 2022 T22AB476-0008	NIGHT TIME ^{2/}					
	00:55-01:00 HOUR	44.7 ^{2/}	44.5 ***	40.7 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	01:00-01:05 HOUR	44.5 ^{2/}	44.5 ***	40.5 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	01:05-01:10 HOUR	46.5 ^{2/}	44.5 ***	45.0 ^{2/}	43.6 ***	1.4
	01:10-01:15 HOUR	45.2 ^{2/}	44.5 ***	41.2 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	44.2 ^{2/}	44.5 ***	40.2 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	01:20-01:25 HOUR	45.4 ^{2/}	44.5 ***	41.4 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	45.0 ^{2/}	44.5 ***	41.0 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	01:30-01:35 HOUR	46.1 ^{2/}	44.5 ***	44.6 ^{2/}	43.6 ***	1.0
	01:35-01:40 HOUR	44.4 ^{2/}	44.5 ***	40.4 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	01:40-01:45 HOUR	44.8 ^{2/}	44.5 ***	40.8 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	01:45-01:50 HOUR	44.8 ^{2/}	44.5 ***	40.8 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	01:50-01:55 HOUR	43.7 ^{2/}	44.5 ***	39.7 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	01:55-02:00 HOUR	44.1 ^{2/}	44.5 ***	40.1 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	02:00-02:05 HOUR	44.2 ^{2/}	44.5 ***	40.2 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	43.9 ^{2/}	44.5 ***	39.9 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	02:10-02:15 HOUR	43.6 ^{2/}	44.5 ***	39.6 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	02:15-02:20 HOUR	43.7 ^{2/}	44.5 ***	39.7 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	02:20-02:25 HOUR	44.4 ^{2/}	44.5 ***	40.4 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	44.4 ^{2/}	44.5 ***	40.4 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	02:30-02:35 HOUR	44.4 ^{2/}	44.5 ***	40.4 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	02:35-02:40 HOUR	44.9 ^{2/}	44.5 ***	40.9 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	02:40-02:45 HOUR	44.7 ^{2/}	44.5 ***	40.7 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	02:45-02:50 HOUR	44.0 ^{2/}	44.5 ***	40.0 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	43.7 ^{2/}	44.5 ***	39.7 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	02:55-03:00 HOUR	43.5 ^{2/}	44.5 ***	39.5 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	03:00-03:05 HOUR	43.7 ^{2/}	44.5 ***	39.7 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	03:05-03:10 HOUR	43.0 ^{2/}	44.5 ***	39.0 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	03:10-03:15 HOUR	44.3 ^{2/}	44.5 ***	40.3 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	03:15-03:20 HOUR	43.2 ^{2/}	44.5 ***	39.2 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	03:20-03:25 HOUR	43.5 ^{2/}	44.5 ***	39.5 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	03:25-03:30 HOUR	43.4 ^{2/}	44.5 ***	39.4 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	03:30-03:35 HOUR	43.6 ^{2/}	44.5 ***	39.6 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	03:35-03:40 HOUR	43.6 ^{2/}	44.5 ***	39.6 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	03:40-03:45 HOUR	45.7 ^{2/}	44.5 ***	41.7 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	03:45-03:50 HOUR	44.5 ^{2/}	44.5 ***	40.5 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	03:50-03:55 HOUR	43.0 ^{2/}	44.5 ***	39.0 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	03:55-04:00 HOUR	43.0 ^{2/}	44.5 ***	39.0 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	04:00-04:05 HOUR	44.9 ^{2/}	44.5 ***	40.9 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	04:05-04:10 HOUR	45.5 ^{2/}	44.5 ***	41.5 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	04:10-04:15 HOUR	44.4 ^{2/}	44.5 ***	40.4 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	04:15-04:20 HOUR	43.5 ^{2/}	44.5 ***	39.5 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	04:20-04:25 HOUR	43.8 ^{2/}	44.5 ***	39.8 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	04:25-04:30 HOUR	43.5 ^{2/}	44.5 ***	39.5 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	04:30-04:35 HOUR	45.4 ^{2/}	44.5 ***	41.4 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	04:35-04:40 HOUR	44.7 ^{2/}	44.5 ***	40.7 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}

• DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL .
• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

5/9

2022-U009589

DATE	TIME*	RESULT (dB(A))				
		WBNE-F-N3 : MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 733844E 1731480N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
JANUARY 25, 2022 T22AB476-0008	NIGHT TIME ^{2/}					
	04:40-04:45 HOUR	44.5 ^{2/}	44.5 ***	40.5 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	04:45-04:50 HOUR	44.6 ^{2/}	44.5 ***	40.6 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	04:50-04:55 HOUR	46.3 ^{2/}	44.5 ***	44.8 ^{2/}	43.6 ***	1.2
	04:55-05:00 HOUR	45.8 ^{2/}	44.5 ***	41.8 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	05:00-05:05 HOUR	46.9 ^{2/}	44.5 ***	45.4 ^{2/}	43.6 ***	1.8
	05:05-05:10 HOUR	47.4 ^{2/}	44.5 ***	47.4 ^{2/}	43.6 ***	3.8
	05:10-05:15 HOUR	48.1 ^{2/}	44.5 ***	49.1 ^{2/}	43.6 ***	5.5
	05:15-05:20 HOUR	45.9 ^{2/}	44.5 ***	41.9 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	05:20-05:25 HOUR	46.1 ^{2/}	44.5 ***	44.6 ^{2/}	43.6 ***	1.0
	05:25-05:30 HOUR	45.9 ^{2/}	44.5 ***	41.9 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	05:30-05:35 HOUR	45.3 ^{2/}	44.5 ***	41.3 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	05:35-05:40 HOUR	46.0 ^{2/}	44.5 ***	44.5 ^{2/}	43.6 ***	0.9
	05:40-05:45 HOUR	45.8 ^{2/}	44.5 ***	41.8 ^{2/}	43.6 ***	NOT SIGNIFICANT ^{3/}
	05:45-05:50 HOUR	46.2 ^{2/}	44.5 ***	44.7 ^{2/}	43.6 ***	1.1
	05:50-05:55 HOUR	47.0 ^{2/}	44.5 ***	45.5 ^{2/}	43.6 ***	1.9
	05:55-06:00 HOUR	47.6 ^{2/}	44.5 ***	47.6 ^{2/}	43.6 ***	4.0
	DAY TIME ^{1/}					
	06:00-07:00 HOUR	48.7 ^{1/}	45.3 **	45.7 ^{1/}	42.4 **	3.4
JANUARY 25, 2022 T22AB476-0009	DAY TIME ^{1/}					
	07:00-08:00 HOUR	47.2 ^{1/}	45.2 **	42.7 ^{1/}	44.1 **	NOT SIGNIFICANT ^{3/}
	08:00-09:00 HOUR	45.3 ^{1/}	45.2 **	38.3 ^{1/}	44.1 **	NOT SIGNIFICANT ^{3/}
	09:00-10:00 HOUR	46.8 ^{1/}	45.2 **	42.3 ^{1/}	44.1 **	NOT SIGNIFICANT ^{3/}
	10:00-11:00 HOUR	47.2 ^{1/}	45.2 **	42.7 ^{1/}	44.1 **	NOT SIGNIFICANT ^{3/}
	11:00-12:00 HOUR	45.8 ^{1/}	45.2 **	38.8 ^{1/}	44.1 **	NOT SIGNIFICANT ^{3/}
	12:00-13:00 HOUR	45.6 ^{1/}	45.2 **	38.6 ^{1/}	44.1 **	NOT SIGNIFICANT ^{3/}
	13:00-14:00 HOUR	45.4 ^{1/}	45.2 **	38.4 ^{1/}	44.1 **	NOT SIGNIFICANT ^{3/}
	14:00-15:00 HOUR	45.9 ^{1/}	45.2 **	38.9 ^{1/}	44.1 **	NOT SIGNIFICANT ^{3/}
	15:00-16:00 HOUR	48.7 ^{1/}	45.2 **	46.7 ^{1/}	44.1 **	2.7
	16:00-17:00 HOUR	47.5 ^{1/}	45.2 **	43.0 ^{1/}	44.1 **	NOT SIGNIFICANT ^{3/}
	17:00-18:00 HOUR	45.9 ^{1/}	45.2 **	38.9 ^{1/}	44.1 **	NOT SIGNIFICANT ^{3/}
	18:00-19:00 HOUR	47.9 ^{1/}	45.2 **	44.9 ^{1/}	44.1 **	0.9
	19:00-20:00 HOUR	48.5 ^{1/}	45.2 **	45.5 ^{1/}	44.1 **	1.5
	20:00-21:00 HOUR	46.5 ^{1/}	45.2 **	39.5 ^{1/}	44.1 **	NOT SIGNIFICANT ^{3/}
	21:00-22:00 HOUR	46.2 ^{1/}	45.2 **	39.2 ^{1/}	44.1 **	NOT SIGNIFICANT ^{3/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	46.6 ^{2/}	44.9 ***	45.1 ^{2/}	44.1 ***	1.0
	22:05-22:10 HOUR	46.1 ^{2/}	44.9 ***	42.1 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	22:10-22:15 HOUR	46.2 ^{2/}	44.9 ***	42.2 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	22:15-22:20 HOUR	46.5 ^{2/}	44.9 ***	45.0 ^{2/}	44.1 ***	0.9
	22:20-22:25 HOUR	45.6 ^{2/}	44.9 ***	41.6 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	22:25-22:30 HOUR	45.7 ^{2/}	44.9 ***	41.7 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	22:30-22:35 HOUR	46.1 ^{2/}	44.9 ***	42.1 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	22:35-22:40 HOUR	46.0 ^{2/}	44.9 ***	42.0 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	22:40-22:45 HOUR	46.2 ^{2/}	44.9 ***	42.2 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	22:45-22:50 HOUR	45.4 ^{2/}	44.9 ***	41.4 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}

DATE	TIME*	RESULT (dB(A))				
		WBNE-F-N3 : MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 733844E 1731480N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
JANUARY 25, 2022 T22AB476-0009	NIGHT TIME ^{2/}					
	22:50-22:55 HOUR	46.0 ^{2/}	44.9 ***	42.0 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	22:55-23:00 HOUR	45.7 ^{2/}	44.9 ***	41.7 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	23:00-23:05 HOUR	45.8 ^{2/}	44.9 ***	41.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	23:05-23:10 HOUR	45.1 ^{2/}	44.9 ***	41.1 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	23:10-23:15 HOUR	45.1 ^{2/}	44.9 ***	41.1 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	23:15-23:20 HOUR	44.1 ^{2/}	44.9 ***	40.1 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	23:20-23:25 HOUR	44.9 ^{2/}	44.9 ***	40.9 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	23:25-23:30 HOUR	45.3 ^{2/}	44.9 ***	41.3 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	23:30-23:35 HOUR	45.4 ^{2/}	44.9 ***	41.4 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	23:35-23:40 HOUR	46.2 ^{2/}	44.9 ***	42.2 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	23:40-23:45 HOUR	46.0 ^{2/}	44.9 ***	42.0 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	23:45-23:50 HOUR	45.3 ^{2/}	44.9 ***	41.3 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	23:50-23:55 HOUR	43.8 ^{2/}	44.9 ***	39.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	23:55-00:00 HOUR	45.1 ^{2/}	44.9 ***	41.1 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
JANUARY 26, 2022 T22AB476-0009	NIGHT TIME ^{2/}					
	00:00-00:05 HOUR	45.7 ^{2/}	44.9 ***	41.7 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	00:05-00:10 HOUR	45.7 ^{2/}	44.9 ***	41.7 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	00:10-00:15 HOUR	44.6 ^{2/}	44.9 ***	40.6 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	00:15-00:20 HOUR	46.1 ^{2/}	44.9 ***	42.1 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	00:20-00:25 HOUR	45.8 ^{2/}	44.9 ***	41.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	00:25-00:30 HOUR	45.8 ^{2/}	44.9 ***	41.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	00:30-00:35 HOUR	44.6 ^{2/}	44.9 ***	40.6 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	00:35-00:40 HOUR	45.7 ^{2/}	44.9 ***	41.7 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	00:40-00:45 HOUR	45.6 ^{2/}	44.9 ***	41.6 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	00:45-00:50 HOUR	45.3 ^{2/}	44.9 ***	41.3 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	00:50-00:55 HOUR	46.3 ^{2/}	44.9 ***	42.3 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	00:55-01:00 HOUR	45.9 ^{2/}	44.9 ***	41.9 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	01:00-01:05 HOUR	45.3 ^{2/}	44.9 ***	41.3 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	01:05-01:10 HOUR	44.6 ^{2/}	44.9 ***	40.6 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	44.5 ^{2/}	44.9 ***	40.5 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	45.0 ^{2/}	44.9 ***	41.0 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	01:20-01:25 HOUR	44.8 ^{2/}	44.9 ***	40.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	44.3 ^{2/}	44.9 ***	40.3 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	01:30-01:35 HOUR	44.2 ^{2/}	44.9 ***	40.2 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	44.8 ^{2/}	44.9 ***	40.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	01:40-01:45 HOUR	44.8 ^{2/}	44.9 ***	40.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	01:45-01:50 HOUR	44.3 ^{2/}	44.9 ***	40.3 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	01:50-01:55 HOUR	44.5 ^{2/}	44.9 ***	40.5 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	01:55-02:00 HOUR	44.7 ^{2/}	44.9 ***	40.7 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	02:00-02:05 HOUR	45.3 ^{2/}	44.9 ***	41.3 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	44.5 ^{2/}	44.9 ***	40.5 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	02:10-02:15 HOUR	45.0 ^{2/}	44.9 ***	41.0 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	02:15-02:20 HOUR	43.8 ^{2/}	44.9 ***	39.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	02:20-02:25 HOUR	43.2 ^{2/}	44.9 ***	39.2 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	43.1 ^{2/}	44.9 ***	39.1 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}

DATE	TIME*	RESULT (dB(A))				
		WBNE-F-N3 : MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 733844E 1731480N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
JANUARY 26, 2022	NIGHT TIME ^{2/}					
T22AB476-0009	02:30-02:35 HOUR	42.2 ^{2/}	44.9 ***	38.2 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	02:35-02:40 HOUR	43.4 ^{2/}	44.9 ***	39.4 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	02:40-02:45 HOUR	43.1 ^{2/}	44.9 ***	39.1 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	02:45-02:50 HOUR	42.8 ^{2/}	44.9 ***	38.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	42.8 ^{2/}	44.9 ***	38.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	02:55-03:00 HOUR	44.0 ^{2/}	44.9 ***	40.0 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	03:00-03:05 HOUR	44.3 ^{2/}	44.9 ***	40.3 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	03:05-03:10 HOUR	45.8 ^{2/}	44.9 ***	41.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	03:10-03:15 HOUR	44.0 ^{2/}	44.9 ***	40.0 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	03:15-03:20 HOUR	43.8 ^{2/}	44.9 ***	39.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	03:20-03:25 HOUR	43.2 ^{2/}	44.9 ***	39.2 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	03:25-03:30 HOUR	45.3 ^{2/}	44.9 ***	41.3 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	03:30-03:35 HOUR	43.0 ^{2/}	44.9 ***	39.0 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	03:35-03:40 HOUR	42.7 ^{2/}	44.9 ***	38.7 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	03:40-03:45 HOUR	43.0 ^{2/}	44.9 ***	39.0 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	03:45-03:50 HOUR	42.5 ^{2/}	44.9 ***	38.5 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	03:50-03:55 HOUR	42.8 ^{2/}	44.9 ***	38.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	03:55-04:00 HOUR	42.4 ^{2/}	44.9 ***	38.4 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	04:00-04:05 HOUR	43.1 ^{2/}	44.9 ***	39.1 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	04:05-04:10 HOUR	42.4 ^{2/}	44.9 ***	38.4 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	04:10-04:15 HOUR	42.8 ^{2/}	44.9 ***	38.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	04:15-04:20 HOUR	45.2 ^{2/}	44.9 ***	41.2 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	04:20-04:25 HOUR	44.7 ^{2/}	44.9 ***	40.7 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	04:25-04:30 HOUR	45.3 ^{2/}	44.9 ***	41.3 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	04:30-04:35 HOUR	44.7 ^{2/}	44.9 ***	40.7 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	04:35-04:40 HOUR	45.4 ^{2/}	44.9 ***	41.4 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	04:40-04:45 HOUR	44.2 ^{2/}	44.9 ***	40.2 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	04:45-04:50 HOUR	46.1 ^{2/}	44.9 ***	42.1 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	04:50-04:55 HOUR	46.1 ^{2/}	44.9 ***	42.1 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	04:55-05:00 HOUR	44.2 ^{2/}	44.9 ***	40.2 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	05:00-05:05 HOUR	44.4 ^{2/}	44.9 ***	40.4 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	05:05-05:10 HOUR	45.7 ^{2/}	44.9 ***	41.7 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	05:10-05:15 HOUR	43.8 ^{2/}	44.9 ***	39.8 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	05:15-05:20 HOUR	44.9 ^{2/}	44.9 ***	40.9 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	05:20-05:25 HOUR	45.3 ^{2/}	44.9 ***	41.3 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	05:25-05:30 HOUR	47.2 ^{2/}	44.9 ***	45.7 ^{2/}	44.1 ***	1.6
	05:30-05:35 HOUR	45.2 ^{2/}	44.9 ***	41.2 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	05:35-05:40 HOUR	45.3 ^{2/}	44.9 ***	41.3 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	05:40-05:45 HOUR	45.5 ^{2/}	44.9 ***	41.5 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	05:45-05:50 HOUR	46.6 ^{2/}	44.9 ***	45.1 ^{2/}	44.1 ***	1.0
	05:50-05:55 HOUR	44.9 ^{2/}	44.9 ***	40.9 ^{2/}	44.1 ***	NOT SIGNIFICANT ^{3/}
	05:55-06:00 HOUR	46.7 ^{2/}	44.9 ***	45.2 ^{2/}	44.1 ***	1.1
	DAY TIME ^{1/}					
	06:00-07:00 HOUR	48.0 ^{1/}	45.2 **	45.0 ^{1/}	44.1 **	1.0

- REMARK :
- CASE 1 CALCULATION (DURING 06:00 TO 22:00 HOUR) : SPECIFIC NOISE LEVEL CONTINUOUSLY OCCUR AT LEAST 1 HOUR, MEASURING AS L_{Aeq} 1 hour.
 - CASE 4 CALCULATION (DURING 22:00 TO 06:00 HOUR) : SPECIFIC NOISE LEVEL OCCUR IN RESTFUL AREA OR NIGHT TIME, MEASURING AS L_{Aeq} 5 minutes.
 - NOT SIGNIFICANT MEANS ANNOYING NOISE LEVEL IS LOWER THAN 0.
- ** PERCENTILE LEVEL 90 (L_{A90}) IS MIDDLE VALUE OF 3 TIMES MEASURING. (15 MINUTES MEASURING DURING 06:00 TO 22:00 HOUR) AND RESIDUAL NOISE LEVEL (L_{Aeq} 5 minutes) IS CHOSE AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.
- *** PERCENTILE LEVEL 90 (L_{A90}) IS MIDDLE VALUE OF 3 TIMES MEASURING. (15 MINUTES MEASURING DURING 22:00 TO 06:00 HOUR) AND RESIDUAL NOISE LEVEL (L_{Aeq} 5 minutes) IS CHOSE AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

FEBRUARY 9, 2022

คุณภาพน้ำใต้ดิน



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : MWWNBE-F (UP GRADIENT) (UTM WGS 84 ZONE 47P 733995E 1731279N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : FEBRUARY 9, 2022
SAMPLING TIME : 15:35 HOUR
SAMPLING METHOD ° : SUBMERSIBLE PUMP
SAMPLING BY ° : MR TEERAPONG SRIKAMHANG
ANALYZED BY : MISS NADNAPA KAMOLBOON

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWWNBE-F (UP GRADIENT) T22AC413-0001		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	6.4 (30°C)	-	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	30	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	440 (30°C)	-	0.1
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.3	-	0.1
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	612	-	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	554	-	25
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0003
BARIUM °	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.033	-	0.003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.003	0.002
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 1.0	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	8.35	-	0.005
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.01	0.003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWWNBE-F (UP GRADIENT) T22AC413-0001		
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 0.5	0.002
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.001	0.0001
NICKEL °	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.02	0.005
SELENIUM °	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
ZINC °	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 5.0	0.003
VOLATILE ORGANIC COMPOUNDS					
BENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 5	0.20
ETHYLBENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 700	0.20
TOLUENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 1,000	0.20
TOTAL XYLENES °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.60	≤ 10,000	0.60
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

REGULATORY STANDARD : GROUNDWATER QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO 20 (B.E. 2543) ISSUED UNDER THE ENHANCEMENT AND CONSERVATION OF NATIONAL ENVIRONMENTAL QUALITY ACT B.E. 2535.

ND : NON-DETECTABLE.

< LOQ : < LEVEL OF QUANTITATION (COPPER ≥ 0.002 AND < 0.025 mg/L, MANGANESE ≥ 0.002 AND < 0.025 mg/L, ZINC ≥ 0.003 AND < 0.025 mg/L).

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

FEBRUARY 28, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : MWWNBE-F (DOWN GRADIENT) (UTM WGS 84 ZONE 47P 734036E 1731440N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : FEBRUARY 9, 2022
SAMPLING TIME : 15:55 HOUR
SAMPLING METHOD ° : SUBMERSIBLE PUMP
SAMPLING BY ° : MR TEERAPONG SRIKAMHANG
ANALYZED BY : MISS NADNAPA KAMOLBOON

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWWNBE-F (DOWN GRADIENT) T22AC413-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.1 (31°C)	-	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	31	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	716 (31°C)	-	0.1
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.5	-	0.1
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	5.4	-	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	494	-	25
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	3	-	3
METALS					
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
SELENIUM °	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
BARIUM °	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.031	-	0.003
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0009	≤ 0.01	0.0003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.003	0.002
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 1.0	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.703	-	0.005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWWNBE-F (DOWN GRADIENT) T22AC413-0002		
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.01	0.003
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.036	≤ 0.5	0.002
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.001	0.0001
NICKEL °	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.02	0.005
ZINC °	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 5.0	0.003
VOLATILE ORGANIC COMPOUNDS					
BENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 5	0.20
ETHYLBENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 700	0.20
TOLUENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 1,000	0.20
TOTAL XYLENES °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.60	≤ 10,000	0.60
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

REGULATORY STANDARD : GROUNDWATER QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO 20 (B.E. 2543)
ISSUED UNDER THE ENHANCEMENT AND CONSERVATION OF NATIONAL ENVIRONMENTAL QUALITY ACT B.E. 2535.

ND : NON-DETECTABLE.

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

FEBRUARY 28, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : GW1: MOO 13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 735384E 1731798N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : FEBRUARY 10, 2022
SAMPLING TIME : 09:30 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR TEERAPONG SRIKAMHANG
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : FEBRUARY 10, 2022
ANALYTICAL DATE : FEBRUARY 10-23, 2022
REPORT NO. : 2022-U013122
WORK NO. : 2021-008599
ANALYSIS NO. : T22AC414-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT GW1: MOO 13 BAN KUT TA BONG T22AC414-0001	REGULATORY STANDARD	DETECTION LIMIT
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.6 (30°C)	-	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	30	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	703 (30°C)	-	0.1
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.4	-	0.1
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	36.7	-	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	458	-	25
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0003
BARIIUM °	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.014	-	0.003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.003	0.002
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.032	≤ 1.0	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	12.2	-	0.005
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 0.01	0.003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT GW1: MOO 13 BAN KUT TA BONG T22AC414-0001	REGULATORY STANDARD	DETECTION LIMIT
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.330	≤ 0.5	0.002
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.001	0.0001
NICKEL °	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.02	0.005
SELENIUM °	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
ZINC °	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	2.03	≤ 5.0	0.003
VOLATILE ORGANIC COMPOUNDS					
BENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 5	0.20
ETHYLBENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 700	0.20
TOLUENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 1,000	0.20
TOTAL XYLENES °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.60	≤ 10,000	0.60
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

REGULATORY STANDARD : GROUNDWATER QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO 20 (B.E. 2543) ISSUED UNDER THE ENHANCEMENT AND CONSERVATION OF NATIONAL ENVIRONMENTAL QUALITY ACT B.E. 2535.

ND : NON-DETECTABLE.

< LOQ : < LEVEL OF QUANTITATION (LEAD ≥ 0.003 AND < 0.100 mg/L).

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

FEBRUARY 28, 2022

