

ภาคผนวก ฎ ใบรายงานผลการวิเคราะห์



คุณภาพอากาศ





United Analyst and Engineering Consultant Co., Ltd.
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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@eco-thai.net
SAMPLING SOURCE : POARJHC 1: BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR PREEDA CHAIYAPOOMSAKUL
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : MARCH 3, 2022
ANALYTICAL DATE : MARCH 3-11, 2022
REPORT NO. : 2022-U018536
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD979-0001 - T22AD979-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POARJHC 1 : BAN KHAO NOI		
			* T22AD979-0001	** T22AD979-0002	
BENZENE	µg/m³	US EPA METHOD TO-15	0.98	1.12	≤ 7.6
ETHYLBENZENE	µg/m³	US EPA METHOD TO-15	3.23	6.40	-
TOLUENE	µg/m³	US EPA METHOD TO-15	13.0	19.5	-
XYLENE	µg/m³	US EPA METHOD TO-15	4.46	7.11	-
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK

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

REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).

* : SAMPLING FROM 08:30 HOUR ON FEBRUARY 24, 2022 TO 08:30 HOUR ON FEBRUARY 25, 2022.

** : SAMPLING FROM 08:30 HOUR ON FEBRUARY 25, 2022 TO 08:30 HOUR ON FEBRUARY 26, 2022.

Benawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

MARCH 17, 2022

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SAMPLING SOURCE : POARJHC 1: BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR PREEDA CHAIYAPOOMSAKUL
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : MARCH 3, 2022
ANALYTICAL DATE : MARCH 3-11, 2022
REPORT NO. : 2022-U018538
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD979-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATOR STANDARD
			POARJHC 1 : BAN KHAO NOI T22AD979-0003	
BENZENE	µg/m³	US EPA METHOD TO-15	0.98	≤ 7.6
ETHYLBENZENE	µg/m³	US EPA METHOD TO-15	7.38	-
TOLUENE	µg/m³	US EPA METHOD TO-15	181	-
XYLENE	µg/m³	US EPA METHOD TO-15	7.50	-
SAMPLE CONDITION			COMPLETE	

REMARK

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

REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).

* : SAMPLING FROM 08:30 HOUR ON FEBRUARY 26, 2022 TO 08:30 HOUR ON FEBRUARY 27, 2022.

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MARCH 17, 2022

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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)
MEASURING TYPE : AMBIENT (AIR) RECEIVED DATE : FEBRUARY 24-27, 2022
MEASURING DATE : FEBRUARY 24-27, 2022 ANALYTICAL DATE : FEBRUARY 24-27, 2022
MEASURING TIME : * REPORT NO. : 2022-U017963
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION WORK NO. : 2022-001204
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL ANALYSIS NO. : T22AD979-0001-T22AD979-0003

TIME*	RESULT		
	CARBON MONOXIDE		
	POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)		
	FEBRUARY 24-25, 2022 T22AD979-0001	FEBRUARY 25-26, 2022 T22AD979-0002	FEBRUARY 26-27, 2022 T22AD979-0003
08:00-16:00 HOUR	0.91	1.13	0.91
16:00-00:00 HOUR	0.92	1.29	0.87
00:00-08:00 HOUR	0.99	0.88	0.99
UNIT	ppm		


(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR
MARCH 11, 2022

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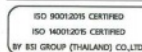
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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)
MEASURING TYPE : AMBIENT (AIR) RECEIVED DATE : FEBRUARY 24-27, 2022
MEASURING DATE : FEBRUARY 24-27, 2022 ANALYTICAL DATE : FEBRUARY 24-27, 2022
MEASURING TIME : * REPORT NO. : 2022-U017965
MEASURING METHOD : CHEMILUMINESCENCE WORK NO. : 2022-001204
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL ANALYSIS NO. : T22AD979-0001 - T22AD979-0003

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)		
	FEBRUARY 24-25, 2022 T22AD979-0001	FEBRUARY 25-26, 2022 T22AD979-0002	FEBRUARY 26-27, 2022 T22AD979-0003
08:00-09:00 HOUR	0.0139	0.0073	0.0124
09:00-10:00 HOUR	0.0101	0.0086	0.0105
10:00-11:00 HOUR	0.0085	0.0075	0.0090
11:00-12:00 HOUR	0.0092	0.0070	0.0082
12:00-13:00 HOUR	0.0069	0.0090	0.0072
13:00-14:00 HOUR	0.0060	0.0071	0.0063
14:00-15:00 HOUR	0.0056	0.0079	0.0060
15:00-16:00 HOUR	0.0083	0.0083	0.0075
16:00-17:00 HOUR	0.0075	0.0077	0.0083
17:00-18:00 HOUR	0.0089	0.0076	0.0081
18:00-19:00 HOUR	0.0083	0.0057	0.0102
19:00-20:00 HOUR	0.0073	0.0081	0.0115
20:00-21:00 HOUR	0.0083	0.0072	0.0134
21:00-22:00 HOUR	0.0099	0.0072	0.0150
22:00-23:00 HOUR	0.0105	0.0070	0.0124
23:00-00:00 HOUR	0.0102	0.0069	0.0104
00:00-01:00 HOUR	0.0104	0.0065	0.0102
01:00-02:00 HOUR	0.0097	0.0080	0.0106
02:00-03:00 HOUR	0.0122	0.0083	0.0121
03:00-04:00 HOUR	0.0091	0.0099	0.0091
04:00-05:00 HOUR	0.0104	0.0120	0.0086
05:00-06:00 HOUR	0.0096	0.0097	0.0100
06:00-07:00 HOUR	0.0072	0.0149	0.0104
07:00-08:00 HOUR	0.0068	0.0138	0.0120


(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

MARCH 14, 2022

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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING PLACE : POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : FEBRUARY 24-27, 2022
MEASURING DATE : FEBRUARY 24-27, 2022 **ANALYTICAL DATE** : FEBRUARY 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U017967
MEASURING METHOD : UV FLUORESCENCE **WORK NO.** : 2022-001204
MEASURED BY : MR PREEDA CHAIYAPOOMSUKUL **ANALYSIS NO.** : T22AD979-0001 - T22AD979-0003

TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)		
	FEBRUARY 24-25, 2022 T22AD979-0001	FEBRUARY 25-26, 2022 T22AD979-0002	FEBRUARY 26-27, 2022 T22AD979-0003
08:00-09:00 HOUR	0.0011	0.0012	0.0019
09:00-10:00 HOUR	0.0012	0.0011	0.0016
10:00-11:00 HOUR	0.0010	0.0018	0.0020
11:00-12:00 HOUR	0.0008	0.0020	0.0015
12:00-13:00 HOUR	0.0009	0.0025	0.0013
13:00-14:00 HOUR	0.0009	0.0022	0.0010
14:00-15:00 HOUR	0.0011	0.0026	0.0009
15:00-16:00 HOUR	0.0014	0.0033	0.0016
16:00-17:00 HOUR	0.0026	0.0023	0.0016
17:00-18:00 HOUR	0.0031	0.0026	0.0018
18:00-19:00 HOUR	0.0034	0.0023	0.0022
19:00-20:00 HOUR	0.0025	0.0026	0.0023
20:00-21:00 HOUR	0.0034	0.0020	0.0016
21:00-22:00 HOUR	0.0029	0.0018	0.0020
22:00-23:00 HOUR	0.0025	0.0015	0.0020
23:00-00:00 HOUR	0.0021	0.0015	0.0021
00:00-01:00 HOUR	0.0024	0.0014	0.0024
01:00-02:00 HOUR	0.0019	0.0015	0.0021
02:00-03:00 HOUR	0.0013	0.0019	0.0022
03:00-04:00 HOUR	0.0011	0.0014	0.0016
04:00-05:00 HOUR	0.0008	0.0015	0.0019
05:00-06:00 HOUR	0.0009	0.0019	0.0022
06:00-07:00 HOUR	0.0008	0.0021	0.0019
07:00-08:00 HOUR	0.0011	0.0015	0.0012
AVERAGE 24 HOUR	0.0017	0.0019	0.0018

Sila Banjongjairuk
 (MR SILA BANJONGJAIRUK)
 LABORATORY SUPERVISOR

MARCH 14, 2022



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MEASURING PLACE : POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : FEBRUARY 24-27, 2022
MEASURING DATE : FEBRUARY 24-27, 2022 **ANALYTICAL DATE** : FEBRUARY 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U017969
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT **WORK NO.** : 2022-001204
MEASURED BY : MR PREEDA CHAIYAPOOMSUKUL **ANALYSIS NO.** : T22AD979-0001 - T22AD979-0003

TIME *	RESULT (m/s)					
	POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)					
	FEBRUARY 24-25, 2022 T22AD979-0001		FEBRUARY 25-26, 2022 T22AD979-0002		FEBRUARY 26-27, 2022 T22AD979-0003	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	0.7	SW	2.5	NE	1.0	NW
09:00-10:00 HOUR	1.3	N	1.6	NNE	1.2	NE
10:00-11:00 HOUR	1.5	ESE	1.9	NE	2.0	NE
11:00-12:00 HOUR	1.7	ENE	1.2	NE	1.9	NNE
12:00-13:00 HOUR	2.1	NE	1.6	NE	2.2	NNE
13:00-14:00 HOUR	0.7	NE	0.9	NE	1.8	N
14:00-15:00 HOUR	1.2	E	0.3	ENE	1.6	SSW
15:00-16:00 HOUR	0.6	SE	0.3	SSE	0.5	W
16:00-17:00 HOUR	0.3	WSW	0.9	WNW	0.3	SE
17:00-18:00 HOUR	0.3	NNW	0.4	NNW	0.3	WNW
18:00-19:00 HOUR	0.4	SW	0.6	NNW	0.9	WNW
19:00-20:00 HOUR	0.5	W	1.1	WNW	1.2	WNW
20:00-21:00 HOUR	0.3	SE	1.0	WNW	1.1	WNW
21:00-22:00 HOUR	0.3	SW	1.6	NW	0.5	WSW
22:00-23:00 HOUR	0.6	NW	1.8	NW	0.3	N
23:00-00:00 HOUR	0.7	NNE	1.1	W	0.3	WNW
00:00-01:00 HOUR	0.3	SE	1.0	W	0.5	S
01:00-02:00 HOUR	0.4	SW	1.2	SW	0.8	ESE
02:00-03:00 HOUR	0.3	SE	2.0	W	0.5	NNE
03:00-04:00 HOUR	0.6	SSW	1.7	NNE	1.1	WSW
04:00-05:00 HOUR	1.1	N	1.4	NNE	1.3	WSW
05:00-06:00 HOUR	1.5	NNW	2.0	ESE	1.3	NNE
06:00-07:00 HOUR	1.7	NNE	1.8	ENE	1.7	NNE
07:00-08:00 HOUR	2.2	N	1.5	NW	1.1	ENE

Sila Banjongjairuk
 (MR SILA BANJONGJAIRUK)
 LABORATORY SUPERVISOR

MARCH 14, 2022



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SAMPLING SOURCE : POARJHC 1: BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR. PREEDA CHAIYAPOOMSAKUL
ANALYZED BY : MISS JETJARAN TUMSA-AT

RECEIVED DATE : MARCH 3, 2022
ANALYTICAL DATE : MARCH 3-9, 2022
REPORT NO. : 2022-U018535
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD979-0001 - T22AD979-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POARJHC 1 : BAN KHAO NOI		
			* T22AD979-0001	** T22AD979-0002	
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.031	0.042	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.015	0.022	≤ 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 08:30 HOUR ON FEBRUARY 24, 2022 TO 08:30 HOUR ON FEBRUARY 25, 2022.
** : SAMPLING FROM 08:30 HOUR ON FEBRUARY 25, 2022 TO 08:30 HOUR ON FEBRUARY 26, 2022.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MARCH 17, 2022



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SAMPLING SOURCE : POARJHC 1: BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR. PREEDA CHAIYAPOOMSAKUL
ANALYZED BY : MISS JETJARAN TUMSA-AT

RECEIVED DATE : MARCH 3, 2022
ANALYTICAL DATE : MARCH 3-9, 2022
REPORT NO. : 2022-U018537
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD979-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POARJHC 1 : BAN KHAO NOI		
			T22AD979-0003		
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.037		≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.024		≤ 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 08:30 HOUR ON FEBRUARY 26, 2022 TO 08:30 HOUR ON FEBRUARY 27, 2022.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
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MARCH 17, 2022





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MEASURING PLACE : POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MAY 1-4, 2022
MEASURING DATE : MAY 1-4, 2022 **ANALYTICAL DATE** : MAY 1-4, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U034489
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2022-001204
MEASURED BY : MR UTHAI KAEWRAMOOK **ANALYSIS NO.** : T22AI371-0001-T22AI371-0003

TIME*	RESULT		
	CARBON MONOXIDE		
	POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)		
	MAY 1-2, 2022 T22AI371-0001	MAY 2-3, 2022 T22AI371-0002	MAY 3-4, 2022 T22AI371-0003
07:00-15:00 HOUR	1.15	1.14	1.19
15:00-23:00 HOUR	1.51	1.31	1.27
23:00-07:00 HOUR	1.35	1.64	1.30
UNIT	ppm		

Sila Banjongjairuk
.....
(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR
MAY 13, 2022

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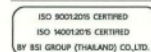
ANALYSIS REPORT

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@ecothai.net
MEASURING PLACE : POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MAY 1-4, 2022
MEASURING DATE : MAY 1-4, 2022 **ANALYTICAL DATE** : MAY 1-4, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U034490
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2022-001204
MEASURED BY : MR UTHAI KAEWRAMOOK **ANALYSIS NO.** : T22AI371-0001 - T22AI371-0003

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)		
	MAY 1-2, 2022 T22AI371-0001	MAY 2-3, 2022 T22AI371-0002	MAY 3-4, 2022 T22AI371-0003
07:00-08:00 HOUR	0.0216	0.0235	0.0225
08:00-09:00 HOUR	0.0198	0.0198	0.0201
09:00-10:00 HOUR	0.0172	0.0156	0.0146
10:00-11:00 HOUR	0.0164	0.0147	0.0142
11:00-12:00 HOUR	0.0149	0.0146	0.0137
12:00-13:00 HOUR	0.0155	0.0148	0.0147
13:00-14:00 HOUR	0.0171	0.0168	0.0170
14:00-15:00 HOUR	0.0189	0.0179	0.0194
15:00-16:00 HOUR	0.0213	0.0207	0.0235
16:00-17:00 HOUR	0.0227	0.0219	0.0246
17:00-18:00 HOUR	0.0246	0.0221	0.0255
18:00-19:00 HOUR	0.0257	0.0226	0.0259
19:00-20:00 HOUR	0.0264	0.0230	0.0267
20:00-21:00 HOUR	0.0259	0.0252	0.0263
21:00-22:00 HOUR	0.0229	0.0248	0.0230
22:00-23:00 HOUR	0.0205	0.0262	0.0205
23:00-00:00 HOUR	0.0175	0.0260	0.0189
00:00-01:00 HOUR	0.0175	0.0263	0.0195
01:00-02:00 HOUR	0.0163	0.0250	0.0196
02:00-03:00 HOUR	0.0154	0.0246	0.0201
03:00-04:00 HOUR	0.0142	0.0224	0.0194
04:00-05:00 HOUR	0.0172	0.0213	0.0205
05:00-06:00 HOUR	0.0217	0.0213	0.0208
06:00-07:00 HOUR	0.0263	0.0247	0.0238

Sila Banjongjairuk
.....
(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

MAY 17, 2022



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ANALYSIS REPORT

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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : MAY 1-4, 2022
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR UTHAI KAEWRAMOOK

RECEIVED DATE : MAY 1-4, 2022
ANALYTICAL DATE : MAY 1-4, 2022
REPORT NO. : 2022-U034491
WORK NO. : 2022-001204
ANALYSIS NO. : T22AI371-0001 - T22AI371-0003

TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)		
	MAY 1-2, 2022 T22AI371-0001	MAY 2-3, 2022 T22AI371-0002	MAY 3-4, 2022 T22AI371-0003
07:00-08:00 HOUR	0.0025	0.0024	0.0024
08:00-09:00 HOUR	0.0020	0.0019	0.0020
09:00-10:00 HOUR	0.0018	0.0017	0.0018
10:00-11:00 HOUR	0.0017	0.0016	0.0016
11:00-12:00 HOUR	0.0016	0.0015	0.0019
12:00-13:00 HOUR	0.0018	0.0018	0.0020
13:00-14:00 HOUR	0.0021	0.0023	0.0024
14:00-15:00 HOUR	0.0023	0.0028	0.0027
15:00-16:00 HOUR	0.0028	0.0029	0.0030
16:00-17:00 HOUR	0.0030	0.0031	0.0027
17:00-18:00 HOUR	0.0032	0.0033	0.0026
18:00-19:00 HOUR	0.0031	0.0034	0.0027
19:00-20:00 HOUR	0.0028	0.0032	0.0028
20:00-21:00 HOUR	0.0027	0.0035	0.0022
21:00-22:00 HOUR	0.0026	0.0034	0.0024
22:00-23:00 HOUR	0.0029	0.0033	0.0025
23:00-00:00 HOUR	0.0028	0.0029	0.0027
00:00-01:00 HOUR	0.0026	0.0026	0.0026
01:00-02:00 HOUR	0.0024	0.0022	0.0028
02:00-03:00 HOUR	0.0026	0.0021	0.0029
03:00-04:00 HOUR	0.0031	0.0024	0.0030
04:00-05:00 HOUR	0.0035	0.0029	0.0029
05:00-06:00 HOUR	0.0036	0.0030	0.0027
06:00-07:00 HOUR	0.0031	0.0029	0.0024
AVERAGE 24 HOUR	0.0026	0.0026	0.0025

hit 77
(MR. SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

MAY 17, 2022

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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 : POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : MAY 1-4, 2022
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR UTHAI KAEWRAMOOK

RECEIVED DATE : MAY 1-4, 2022
ANALYTICAL DATE : MAY 1-4, 2022
REPORT NO. : 2022-U034492
WORK NO. : 2022-001204
ANALYSIS NO. : T22AI371-0001 - T22AI371-0003

TIME *	RESULT (m/s)					
	POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)					
	MAY 1-2, 2022 T22AI371-0001		MAY 2-3, 2022 T22AI371-0002		MAY 3-4, 2022 T22AI371-0003	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	1.1	W	2.5	SSW	1.6	SW
08:00-09:00 HOUR	1.0	WSW	1.9	SW	1.1	W
09:00-10:00 HOUR	0.8	W	1.4	SW	0.9	NW
10:00-11:00 HOUR	0.9	WNW	1.2	SW	0.6	W
11:00-12:00 HOUR	1.1	WSW	1.5	W	1.5	W
12:00-13:00 HOUR	0.7	NW	2.4	WNW	1.2	WNW
13:00-14:00 HOUR	1.0	W	2.9	NW	2.0	S
14:00-15:00 HOUR	1.6	W	2.5	WSW	1.2	S
15:00-16:00 HOUR	1.0	NW	2.6	WSW	1.1	SSW
16:00-17:00 HOUR	1.6	WNW	1.6	W	0.9	SSW
17:00-18:00 HOUR	1.3	WSW	0.7	SW	0.6	SW
18:00-19:00 HOUR	1.7	WNW	0.5	SSW	0.8	S
19:00-20:00 HOUR	2.5	WSW	0.8	SSW	1.0	WSW
20:00-21:00 HOUR	2.2	WSW	1.2	S	1.2	W
21:00-22:00 HOUR	1.9	W	1.3	SSE	1.8	SW
22:00-23:00 HOUR	1.8	W	1.6	SSE	1.4	WSW
23:00-00:00 HOUR	2.0	WNW	2.0	SE	1.5	SW
00:00-01:00 HOUR	2.4	WSW	2.4	SSE	2.7	WSW
01:00-02:00 HOUR	1.9	SSW	1.9	S	2.0	SSW
02:00-03:00 HOUR	2.0	SW	1.7	SSE	2.4	SE
03:00-04:00 HOUR	2.4	SSW	2.2	S	3.4	SE
04:00-05:00 HOUR	2.6	WSW	2.5	SSE	2.1	SSE
05:00-06:00 HOUR	2.7	WSW	2.4	SSE	2.3	SSW
06:00-07:00 HOUR	2.4	SW	2.0	SW	2.7	SSW

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(MR. SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

MAY 17, 2022

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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco-thai.net
SAMPLING SOURCE : POARJHC 2 : PAH RAY RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036.92E 1731971.86N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR. UTHAI KAEWRAKMOOK
ANALYZED BY : MISS JETJARAN TUMSA-AT
RECEIVED DATE : MAY 5, 2022
ANALYTICAL DATE : MAY 5-11, 2022
REPORT NO. : 2022-U035715
WORK NO. : 2022-001204
ANALYSIS NO. : T22A1371-0001 - T22A1371-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POARJHC 2 : PAH RAY RAI THONG TEMPLE		
			* T22A1371-0001	** T22A1371-0002	
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.025	0.042	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.012	0.019	≤ 0.12
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK

TSP, PM10 : 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 09:00 HOUR ON MAY 1, 2022 TO 09:00 HOUR ON MAY 2, 2022.
** : SAMPLING FROM 09:00 HOUR ON MAY 2, 2022 TO 09:00 HOUR ON MAY 3, 2022.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MAY 20, 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 : POARJHC 2 : PAH RAY RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036.92E 1731971.86N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR. UTHAI KAEWRAKMOOK
ANALYZED BY : MISS JETJARAN TUMSA-AT
RECEIVED DATE : MAY 5, 2022
ANALYTICAL DATE : MAY 5-11, 2022
REPORT NO. : 2022-U035717
WORK NO. : 2022-001204
ANALYSIS NO. : T22A1371-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			POARJHC 2 : PAH RAY RAI THONG TEMPLE T22A1371-0003	
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.032	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.019	≤ 0.12
SAMPLE CONDITION			COMPLETE	

REMARK

TSP, PM10 : 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 09:00 HOUR ON MAY 3, 2022 TO 09:00 HOUR ON MAY 4, 2022.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MAY 20, 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
SAMPLING SOURCE : POARJHC 2 : PAH RAY RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036.92E 1731971.86N)
SAMPLE TYPE : AMBIENT **RECEIVED DATE** : MAY 5, 2022
SAMPLING DATE : *, ** **ANALYTICAL DATE** : MAY 5-14, 2022
SAMPLING TIME : *, ** **REPORT NO.** : 2022-U035716
SAMPLING BY : MR. UTHAI KAEWRAMOOK **WORK NO.** : 2022-001204
ANALYZED BY : MISS WORAKON PADSONGCHAN **ANALYSIS NO.** : T22AI371-0001 - T22AI371-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POARJHC 2 : PAH RAY RAI THONG TEMPLE		
			* T22AI371-0001	** T22AI371-0002	
BENZENE	µg/m³	US EPA METHOD TO-15	0.41	0.35	≤ 7.6
ETHYLBENZENE	µg/m³	US EPA METHOD TO-15	< 0.17	< 0.17	-
TOLUENE	µg/m³	US EPA METHOD TO-15	0.34	0.20	-
XYLENE	µg/m³	US EPA METHOD TO-15	< 0.52	< 0.52	-
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK
 RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
 REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).
 * : SAMPLING FROM 09:00 HOUR ON MAY 1, 2022 TO 09:00 HOUR ON MAY 2, 2022.
 ** : SAMPLING FROM 09:00 HOUR ON MAY 2, 2022 TO 09:00 HOUR ON MAY 3, 2022.

Benjawan V.
 (MISS BENJAWAN VIRIYOTHAI)
 LABORATORY SUPERVISOR

MAY 20, 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 : POARJHC 2 : PAH RAY RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036.92E 1731971.86N)
SAMPLE TYPE : AMBIENT **RECEIVED DATE** : MAY 5, 2022
SAMPLING DATE : * **ANALYTICAL DATE** : MAY 5-14, 2022
SAMPLING TIME : * **REPORT NO.** : 2022-U035718
SAMPLING BY : MR. UTHAI KAEWRAMOOK **WORK NO.** : 2022-001204
ANALYZED BY : MISS WORAKON PADSONGCHAN **ANALYSIS NO.** : T22AI371-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATOR STANDARD
			POARJHC 2 : PAH RAY RAI THONG TEMPLE T22AI371-0003	
BENZENE	µg/m³	US EPA METHOD TO-15	0.41	≤ 7.6
ETHYLBENZENE	µg/m³	US EPA METHOD TO-15	< 0.17	-
TOLUENE	µg/m³	US EPA METHOD TO-15	0.26	-
XYLENE	µg/m³	US EPA METHOD TO-15	< 0.52	-
SAMPLE CONDITION			COMPLETE	

REMARK
 RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
 REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).
 * : SAMPLING FROM 09:00 HOUR ON MAY 3, 2022 TO 09:00 HOUR ON MAY 4, 2022.

Benjawan V.
 (MISS BENJAWAN VIRIYOTHAI)
 LABORATORY SUPERVISOR

MAY 20, 2022





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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco thai.net
SAMPLING SOURCE : POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR PREEDA CHAIYAPOOMSAKUL
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : MARCH 3, 2022
ANALYTICAL DATE : MARCH 3-11, 2022
REPORT NO. : 2022-U018540
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD979-0004 - T22AD979-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POARJHC 3 : BAN TUNG YAI		
			* T22AD979-0004	** T22AD979-0005	
BENZENE	µg/m³	US EPA METHOD TO-15	1.14	1.32	≤ 7.6
ETHYLBENZENE	µg/m³	US EPA METHOD TO-15	4.37	7.57	-
TOLUENE	µg/m³	US EPA METHOD TO-15	31.3	36.8	-
XYLENE	µg/m³	US EPA METHOD TO-15	6.05	9.82	-
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK

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

REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).

* : SAMPLING FROM 09:00 HOUR ON FEBRUARY 24, 2022 TO 09:00 HOUR ON FEBRUARY 25, 2022.
** : SAMPLING FROM 09:00 HOUR ON FEBRUARY 25, 2022 TO 09:00 HOUR ON FEBRUARY 26, 2022.

Benawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

MARCH 17, 2022

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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco thai.net
SAMPLING SOURCE : POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR PREEDA CHAIYAPOOMSAKUL
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : MARCH 3, 2022
ANALYTICAL DATE : MARCH 3-11, 2022
REPORT NO. : 2022-U018543
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD979-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATOR'S STANDARD
			POARJHC 3 : BAN TUNG YAI T22AD979-0006	
BENZENE	µg/m³	US EPA METHOD TO-15	1.17	≤ 7.6
ETHYLBENZENE	µg/m³	US EPA METHOD TO-15	3.89	-
TOLUENE	µg/m³	US EPA METHOD TO-15	18.8	-
XYLENE	µg/m³	US EPA METHOD TO-15	5.20	-
SAMPLE CONDITION			COMPLETE	

REMARK

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

REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).

* : SAMPLING FROM 09:00 HOUR ON FEBRUARY 26, 2022 TO 09:00 HOUR ON FEBRUARY 27, 2022.

Benawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

MARCH 17, 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@eco-thai.net
MEASURING PLACE : POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : FEBRUARY 24-27, 2022
MEASURING DATE : FEBRUARY 24-27, 2022 **ANALYTICAL DATE** : FEBRUARY 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U017964
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2022-001204
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL **ANALYSIS NO.** : T22AD979-0004-T22AD979-0006

TIME*	RESULT		
	CARBON MONOXIDE		
	POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)		
	FEBRUARY 24-25, 2022 T22AD979-0004	FEBRUARY 25-26, 2022 T22AD979-0005	FEBRUARY 26-27, 2022 T22AD979-0006
08:00-16:00 HOUR	1.03	1.46	1.28
16:00-00:00 HOUR	0.98	1.32	1.16
00:00-08:00 HOUR	1.00	1.29	1.25
UNIT	ppm		


(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR
MARCH 11, 2022

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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@eco-thai.net
MEASURING PLACE : POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : FEBRUARY 24-27, 2022
MEASURING DATE : FEBRUARY 24-27, 2022 **ANALYTICAL DATE** : FEBRUARY 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U017966
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2022-001204
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL **ANALYSIS NO.** : T22AD979-0004 - T22AD979-0006

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)		
	FEBRUARY 24-25, 2022 T22AD979-0004	FEBRUARY 25-26, 2022 T22AD979-0005	FEBRUARY 26-27, 2022 T22AD979-0006
08:00-09:00 HOUR	0.0102	0.0135	0.0115
09:00-10:00 HOUR	0.0108	0.0114	0.0096
10:00-11:00 HOUR	0.0102	0.0121	0.0117
11:00-12:00 HOUR	0.0119	0.0087	0.0119
12:00-13:00 HOUR	0.0121	0.0096	0.0103
13:00-14:00 HOUR	0.0136	0.0087	0.0109
14:00-15:00 HOUR	0.0113	0.0106	0.0064
15:00-16:00 HOUR	0.0098	0.0100	0.0078
16:00-17:00 HOUR	0.0107	0.0116	0.0087
17:00-18:00 HOUR	0.0091	0.0119	0.0102
18:00-19:00 HOUR	0.0083	0.0136	0.0102
19:00-20:00 HOUR	0.0088	0.0147	0.0103
20:00-21:00 HOUR	0.0083	0.0131	0.0105
21:00-22:00 HOUR	0.0069	0.0145	0.0127
22:00-23:00 HOUR	0.0094	0.0152	0.0109
23:00-00:00 HOUR	0.0078	0.0137	0.0099
00:00-01:00 HOUR	0.0117	0.0146	0.0092
01:00-02:00 HOUR	0.0117	0.0120	0.0103
02:00-03:00 HOUR	0.0135	0.0143	0.0084
03:00-04:00 HOUR	0.0134	0.0113	0.0092
04:00-05:00 HOUR	0.0136	0.0137	0.0092
05:00-06:00 HOUR	0.0152	0.0114	0.0076
06:00-07:00 HOUR	0.0130	0.0104	0.0083
07:00-08:00 HOUR	0.0138	0.0113	0.0077


(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR
MARCH 14, 2022

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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 : POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : FEBRUARY 24-27, 2022
MEASURING DATE : FEBRUARY 24-27, 2022 **ANALYTICAL DATE** : FEBRUARY 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U017968
MEASURING METHOD : UV FLUORESCENCE **WORK NO.** : 2022-001204
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL **ANALYSIS NO.** : T22AD979-0004 - T22AD979-0006

TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)		
	FEBRUARY 24-25, 2022 T22AD979-0004	FEBRUARY 25-26, 2022 T22AD979-0005	FEBRUARY 26-27, 2022 T22AD979-0006
08:00-09:00 HOUR	0.0017	0.0011	0.0021
09:00-10:00 HOUR	0.0016	0.0015	0.0016
10:00-11:00 HOUR	0.0014	0.0016	0.0020
11:00-12:00 HOUR	0.0013	0.0018	0.0019
12:00-13:00 HOUR	0.0018	0.0014	0.0015
13:00-14:00 HOUR	0.0014	0.0014	0.0015
14:00-15:00 HOUR	0.0014	0.0012	0.0011
15:00-16:00 HOUR	0.0016	0.0010	0.0011
16:00-17:00 HOUR	0.0019	0.0012	0.0011
17:00-18:00 HOUR	0.0018	0.0009	0.0010
18:00-19:00 HOUR	0.0016	0.0010	0.0016
19:00-20:00 HOUR	0.0019	0.0012	0.0014
20:00-21:00 HOUR	0.0021	0.0010	0.0014
21:00-22:00 HOUR	0.0021	0.0009	0.0019
22:00-23:00 HOUR	0.0023	0.0008	0.0020
23:00-00:00 HOUR	0.0017	0.0011	0.0018
00:00-01:00 HOUR	0.0017	0.0008	0.0022
01:00-02:00 HOUR	0.0016	0.0009	0.0018
02:00-03:00 HOUR	0.0020	0.0008	0.0019
03:00-04:00 HOUR	0.0016	0.0012	0.0021
04:00-05:00 HOUR	0.0017	0.0015	0.0021
05:00-06:00 HOUR	0.0015	0.0017	0.0023
06:00-07:00 HOUR	0.0009	0.0019	0.0015
07:00-08:00 HOUR	0.0009	0.0017	0.0021
AVERAGE 24 HOUR	0.0016	0.0012	0.0017

Sila Banjongjairuk

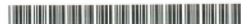
(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

MARCH 14, 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@ecothai.net
MEASURING PLACE : POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : FEBRUARY 24-27, 2022
MEASURING DATE : FEBRUARY 24-27, 2022 **ANALYTICAL DATE** : FEBRUARY 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U017970
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT **WORK NO.** : 2022-001204
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL **ANALYSIS NO.** : T22AD979-0004 - T22AD979-0006

TIME *	RESULT (m/s)					
	POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)					
	FEBRUARY 24-25, 2022 T22AD979-0004		FEBRUARY 25-26, 2022 T22AD979-0005		FEBRUARY 26-27, 2022 T22AD979-0006	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	1.1	ENE	2.1	NE	1.0	N
09:00-10:00 HOUR	1.6	ENE	1.9	NE	1.4	NNE
10:00-11:00 HOUR	2.1	ENE	1.8	ESE	2.1	NE
11:00-12:00 HOUR	1.8	NE	1.5	ENE	2.0	NNE
12:00-13:00 HOUR	2.1	NE	1.4	NNE	1.7	NNE
13:00-14:00 HOUR	1.5	NE	0.9	NE	2.0	NNE
14:00-15:00 HOUR	0.7	NE	0.4	S	1.4	WSW
15:00-16:00 HOUR	0.4	SW	0.3	W	0.9	NNW
16:00-17:00 HOUR	0.3	W	0.5	W	0.3	E
17:00-18:00 HOUR	0.3	NNW	0.3	NW	0.4	WNW
18:00-19:00 HOUR	0.4	SSW	0.9	NNW	0.7	W
19:00-20:00 HOUR	0.7	W	1.1	NNW	1.2	W
20:00-21:00 HOUR	0.3	ESE	1.2	W	1.1	W
21:00-22:00 HOUR	0.3	SSE	1.7	NW	0.8	NW
22:00-23:00 HOUR	0.9	NNW	1.3	WNW	0.3	SW
23:00-00:00 HOUR	0.8	N	1.1	W	0.8	WSW
00:00-01:00 HOUR	0.7	ESE	0.6	WSW	1.0	E
01:00-02:00 HOUR	0.3	S	0.8	WSW	1.2	SE
02:00-03:00 HOUR	0.9	SE	1.1	SW	1.1	SE
03:00-04:00 HOUR	1.9	NW	1.5	WSW	1.9	E
04:00-05:00 HOUR	2.2	NW	1.2	ENE	1.5	ENE
05:00-06:00 HOUR	2.7	ENE	1.4	SSW	2.1	SE
06:00-07:00 HOUR	2.4	E	1.8	NNE	1.9	NNE
07:00-08:00 HOUR	2.3	E	1.8	W	0.8	ENE

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

MARCH 14, 2022

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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco thai.net
SAMPLING SOURCE : POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR PREEDA CHAIYAPOOMSAKUL
ANALYZED BY : MISS JETJARAN TUMSA-AT
RECEIVED DATE : MARCH 3, 2022
ANALYTICAL DATE : MARCH 3-9, 2022
REPORT NO. : 2022-U018539
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD979-0004 - T22AD979-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POARJHC 3 : BAN TUNG YAI		
			*	**	
			T22AD979-0004	T22AD979-0005	
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.067	0.104	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.056	0.059	≤ 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 09:00 HOUR ON FEBRUARY 24, 2022 TO 09:00 HOUR ON FEBRUARY 25, 2022.
** : SAMPLING FROM 09:00 HOUR ON FEBRUARY 25, 2022 TO 09:00 HOUR ON FEBRUARY 26, 2022.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MARCH 17, 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 : POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR PREEDA CHAIYAPOOMSAKUL
ANALYZED BY : MISS JETJARAN TUMSA-AT
RECEIVED DATE : MARCH 3, 2022
ANALYTICAL DATE : MARCH 3-9, 2022
REPORT NO. : 2022-U018542
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD979-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POARJHC 3 : BAN TUNG YAI		
			T22AD979-0006		
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.110		≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.099		≤ 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 09:00 HOUR ON FEBRUARY 26, 2022 TO 09:00 HOUR ON FEBRUARY 27, 2022.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MARCH 17, 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@ecohtai.net
MEASURING SOURCE : POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)
MEASURING TYPE : AMBIENT (NOISE) **RECEIVED DATE** : FEBRUARY 24-27, 2022
MEASURING DATE : FEBRUARY 24-27, 2022 **ANALYTICAL DATE** : FEBRUARY 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U017971
MEASURING METHOD : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2022-001204
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL **ANALYSIS NO.** : T22AD979-0007 - T22AD979-0009

TIME*	RESULT dB(A)		
	POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)		
	FEBRUARY 24-25, 2022		
	T22AD979-0007		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	51.4	78.9	47.6
08:00-09:00 HOUR	53.7	74.1	48.2
09:00-10:00 HOUR	50.6	68.4	48.7
10:00-11:00 HOUR	50.7	67.0	49.1
11:00-12:00 HOUR	51.7	67.8	49.5
12:00-13:00 HOUR	53.0	59.4	50.2
13:00-14:00 HOUR	50.1	54.5	49.6
14:00-15:00 HOUR	54.4	68.9	49.1
15:00-16:00 HOUR	54.1	61.2	51.9
16:00-17:00 HOUR	54.0	61.9	51.7
17:00-18:00 HOUR	50.0	61.7	49.6
18:00-19:00 HOUR	51.1	56.7	50.4
19:00-20:00 HOUR	53.1	67.9	51.4
20:00-21:00 HOUR	55.2	71.2	53.2
21:00-22:00 HOUR	53.7	68.6	51.8
22:00-23:00 HOUR	53.5	73.1	50.1
23:00-00:00 HOUR	52.3	70.4	50.6
00:00-01:00 HOUR	51.6	74.0	49.6
01:00-02:00 HOUR	49.9	78.6	47.7
02:00-03:00 HOUR	50.0	72.6	47.3
03:00-04:00 HOUR	49.0	69.8	47.4
04:00-05:00 HOUR	51.1	72.7	47.3
05:00-06:00 HOUR	49.6	74.2	47.6
06:00-07:00 HOUR	50.0	70.7	47.3
L _{Aeq} 24 hours	52.2		
L _{Adn}	57.7		

TIME*	RESULT dB(A)		
	POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)		
	FEBRUARY 25-26, 2022		
	T22AD979-0008		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	55.0	68.9	49.8
08:00-09:00 HOUR	55.2	72.7	49.2
09:00-10:00 HOUR	53.5	71.3	50.8
10:00-11:00 HOUR	56.5	60.6	54.9
11:00-12:00 HOUR	55.8	66.7	52.9
12:00-13:00 HOUR	57.1	61.5	54.9
13:00-14:00 HOUR	56.8	63.3	54.7
14:00-15:00 HOUR	56.2	60.1	55.4
15:00-16:00 HOUR	56.9	60.2	55.7
16:00-17:00 HOUR	52.8	57.5	52.0
17:00-18:00 HOUR	52.1	69.5	51.5
18:00-19:00 HOUR	53.0	69.5	52.0
19:00-20:00 HOUR	53.3	70.6	51.3
20:00-21:00 HOUR	55.5	77.1	52.3
21:00-22:00 HOUR	55.0	75.2	51.0
22:00-23:00 HOUR	51.9	64.8	49.5
23:00-00:00 HOUR	51.5	69.3	49.9
00:00-01:00 HOUR	51.0	58.0	50.5
01:00-02:00 HOUR	51.0	62.1	50.4
02:00-03:00 HOUR	50.7	70.3	49.5
03:00-04:00 HOUR	52.8	74.3	49.6
04:00-05:00 HOUR	53.9	73.6	51.9
05:00-06:00 HOUR	52.4	74.7	50.7
06:00-07:00 HOUR	52.0	70.4	49.4
L _{Aeq} 24 hours	54.3		
L _{Adn}	59.1		



TIME*	RESULT dB(A)		
	POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)		
	FEBRUARY 26-27, 2022		
	T22AD979-0009		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	51.8	78.2	49.0
08:00-09:00 HOUR	57.8	87.6	48.2
09:00-10:00 HOUR	58.8	84.3	48.4
10:00-11:00 HOUR	51.9	77.3	46.1
11:00-12:00 HOUR	51.3	76.0	45.3
12:00-13:00 HOUR	52.6	76.1	48.7
13:00-14:00 HOUR	50.8	68.3	49.2
14:00-15:00 HOUR	52.0	70.4	48.9
15:00-16:00 HOUR	52.4	73.6	49.7
16:00-17:00 HOUR	51.3	69.8	49.6
17:00-18:00 HOUR	51.6	67.1	49.8
18:00-19:00 HOUR	52.8	74.8	50.9
19:00-20:00 HOUR	51.5	68.1	50.7
20:00-21:00 HOUR	50.3	66.9	49.4
21:00-22:00 HOUR	51.0	69.0	50.0
22:00-23:00 HOUR	52.0	76.3	50.4
23:00-00:00 HOUR	51.2	70.2	50.1
00:00-01:00 HOUR	52.0	74.1	49.4
01:00-02:00 HOUR	51.7	72.6	48.5
02:00-03:00 HOUR	50.8	72.4	47.5
03:00-04:00 HOUR	50.8	71.6	46.9
04:00-05:00 HOUR	48.5	68.3	47.1
05:00-06:00 HOUR	51.4	73.7	47.6
06:00-07:00 HOUR	49.2	71.3	47.1
L _{Aeq} 24 hours	52.6		
L _{Adn}	57.8		

Mr. Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

MARCH 14, 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 : POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)
MEASURING TYPE : AMBIENT (ANNOYANCE NOISE)
MEASURING DATE : FEBRUARY 24-27, 2022
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL
RECEIVED DATE : FEBRUARY 24-27, 2022
ANALYTICAL DATE : FEBRUARY 24-27, 2022
REPORT NO. : 2022-U017973
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD979-0007 - T22AD979-0009

DATE	TIME*	RESULT (dB(A))				
		POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 24, 2022 T22AD979-0007	DAY TIME ^{1/}					
	07:00-08:00 HOUR	51.4 ^{1/}	51.3 **	44.4 ^{1/}	50.9 **	NOT SIGNIFICANT ^{1/}
	08:00-09:00 HOUR	53.7 ^{1/}	51.3 **	49.2 ^{1/}	50.9 **	NOT SIGNIFICANT ^{1/}
	09:00-10:00 HOUR	50.6 ^{1/}	51.3 **	43.6 ^{1/}	50.9 **	NOT SIGNIFICANT ^{1/}
	10:00-11:00 HOUR	50.7 ^{1/}	51.3 **	43.7 ^{1/}	50.9 **	NOT SIGNIFICANT ^{1/}
	11:00-12:00 HOUR	51.7 ^{1/}	51.3 **	44.7 ^{1/}	50.9 **	NOT SIGNIFICANT ^{1/}
	12:00-13:00 HOUR	53.0 ^{1/}	51.3 **	48.5 ^{1/}	50.9 **	NOT SIGNIFICANT ^{1/}
	13:00-14:00 HOUR	50.1 ^{1/}	51.3 **	43.1 ^{1/}	50.9 **	NOT SIGNIFICANT ^{1/}
	14:00-15:00 HOUR	54.4 ^{1/}	51.3 **	51.4 ^{1/}	50.9 **	0.5
	15:00-16:00 HOUR	54.1 ^{1/}	51.3 **	51.1 ^{1/}	50.9 **	0.2
	16:00-17:00 HOUR	54.0 ^{1/}	51.3 **	51.0 ^{1/}	50.9 **	0.1
	17:00-18:00 HOUR	50.0 ^{1/}	51.3 **	43.0 ^{1/}	50.9 **	NOT SIGNIFICANT ^{1/}
	18:00-19:00 HOUR	51.1 ^{1/}	51.3 **	44.1 ^{1/}	50.9 **	NOT SIGNIFICANT ^{1/}
	19:00-20:00 HOUR	53.1 ^{1/}	51.3 **	48.6 ^{1/}	50.9 **	NOT SIGNIFICANT ^{1/}
	20:00-21:00 HOUR	55.2 ^{1/}	51.3 **	53.2 ^{1/}	50.9 **	2.3
	21:00-22:00 HOUR	53.7 ^{1/}	51.3 **	49.2 ^{1/}	50.9 **	NOT SIGNIFICANT ^{1/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	53.1 ^{2/}	50.1 ***	53.1 ^{2/}	49.4 ***	3.7
	22:05-22:10 HOUR	52.3 ^{2/}	50.1 ***	50.8 ^{2/}	49.4 ***	1.4
	22:10-22:15 HOUR	53.4 ^{2/}	50.1 ***	53.4 ^{2/}	49.4 ***	4.0
	22:15-22:20 HOUR	54.6 ^{2/}	50.1 ***	56.1 ^{2/}	49.4 ***	6.7
	22:20-22:25 HOUR	52.9 ^{2/}	50.1 ***	52.9 ^{2/}	49.4 ***	3.5
	22:25-22:30 HOUR	52.0 ^{2/}	50.1 ***	50.5 ^{2/}	49.4 ***	1.1
	22:30-22:35 HOUR	54.2 ^{2/}	50.1 ***	55.2 ^{2/}	49.4 ***	5.8
	22:35-22:40 HOUR	55.1 ^{2/}	50.1 ***	56.6 ^{2/}	49.4 ***	7.2
	22:40-22:45 HOUR	53.5 ^{2/}	50.1 ***	53.5 ^{2/}	49.4 ***	4.1
	22:45-22:50 HOUR	54.0 ^{2/}	50.1 ***	55.0 ^{2/}	49.4 ***	5.6
	22:50-22:55 HOUR	52.7 ^{2/}	50.1 ***	52.7 ^{2/}	49.4 ***	3.3
	22:55-23:00 HOUR	52.4 ^{2/}	50.1 ***	50.9 ^{2/}	49.4 ***	1.5
	23:00-23:05 HOUR	51.1 ^{2/}	50.1 ***	47.1 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{1/}
	23:05-23:10 HOUR	53.5 ^{2/}	50.1 ***	53.5 ^{2/}	49.4 ***	4.1
	23:10-23:15 HOUR	53.3 ^{2/}	50.1 ***	53.3 ^{2/}	49.4 ***	3.9
	23:15-23:20 HOUR	51.8 ^{2/}	50.1 ***	50.3 ^{2/}	49.4 ***	0.9
	23:20-23:25 HOUR	52.3 ^{2/}	50.1 ***	50.8 ^{2/}	49.4 ***	1.4



DATE	TIME*	RESULT (dB(A))				
		POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 24, 2022 T22AD979-0007	NIGHT TIME ^{2/}					
	23:25-23:30 HOUR	52.1 ^{2/}	50.1 ***	50.6 ^{2/}	49.4 ***	1.2
	23:30-23:35 HOUR	53.3 ^{2/}	50.1 ***	53.3 ^{2/}	49.4 ***	3.9
	23:35-23:40 HOUR	50.2 ^{2/}	50.1 ***	46.2 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	23:40-23:45 HOUR	52.7 ^{2/}	50.1 ***	52.7 ^{2/}	49.4 ***	3.3
	23:45-23:50 HOUR	53.7 ^{2/}	50.1 ***	54.7 ^{2/}	49.4 ***	5.3
FEBRUARY 25, 2022 T22AD979-0007	23:50-23:55 HOUR	52.2 ^{2/}	50.1 ***	50.7 ^{2/}	49.4 ***	1.3
	23:55-00:00 HOUR	49.7 ^{2/}	50.1 ***	45.7 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	00:00-00:05 HOUR	50.2 ^{2/}	50.1 ***	46.2 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	00:05-00:10 HOUR	53.2 ^{2/}	50.1 ***	53.2 ^{2/}	49.4 ***	3.8
	00:10-00:15 HOUR	50.4 ^{2/}	50.1 ***	46.4 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	00:15-00:20 HOUR	50.6 ^{2/}	50.1 ***	46.6 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	00:20-00:25 HOUR	51.1 ^{2/}	50.1 ***	47.1 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	00:25-00:30 HOUR	54.1 ^{2/}	50.1 ***	55.1 ^{2/}	49.4 ***	5.7
	00:30-00:35 HOUR	53.4 ^{2/}	50.1 ***	53.4 ^{2/}	49.4 ***	4.0
	00:35-00:40 HOUR	50.6 ^{2/}	50.1 ***	46.6 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	00:40-00:45 HOUR	51.2 ^{2/}	50.1 ***	47.2 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	00:45-00:50 HOUR	50.4 ^{2/}	50.1 ***	46.4 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	00:50-00:55 HOUR	49.9 ^{2/}	50.1 ***	45.9 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	00:55-01:00 HOUR	51.3 ^{2/}	50.1 ***	47.3 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	01:00-01:05 HOUR	52.3 ^{2/}	50.1 ***	50.8 ^{2/}	49.4 ***	1.4
	01:05-01:10 HOUR	48.9 ^{2/}	50.1 ***	44.9 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	48.6 ^{2/}	50.1 ***	44.6 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	48.2 ^{2/}	50.1 ***	44.2 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	01:20-01:25 HOUR	48.7 ^{2/}	50.1 ***	44.7 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	49.9 ^{2/}	50.1 ***	45.9 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	01:30-01:35 HOUR	48.5 ^{2/}	50.1 ***	44.5 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	53.3 ^{2/}	50.1 ***	53.3 ^{2/}	49.4 ***	3.9
	01:40-01:45 HOUR	50.8 ^{2/}	50.1 ***	46.8 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	01:45-01:50 HOUR	47.8 ^{2/}	50.1 ***	43.8 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	01:50-01:55 HOUR	50.1 ^{2/}	50.1 ***	46.1 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	01:55-02:00 HOUR	47.1 ^{2/}	50.1 ***	43.1 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	02:00-02:05 HOUR	48.0 ^{2/}	50.1 ***	44.0 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	49.6 ^{2/}	50.1 ***	45.6 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	02:10-02:15 HOUR	47.7 ^{2/}	50.1 ***	43.7 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	02:15-02:20 HOUR	53.8 ^{2/}	50.1 ***	54.8 ^{2/}	49.4 ***	5.4
	02:20-02:25 HOUR	49.0 ^{2/}	50.1 ***	45.0 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	50.5 ^{2/}	50.1 ***	46.5 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	02:30-02:35 HOUR	50.5 ^{2/}	50.1 ***	46.5 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	02:35-02:40 HOUR	48.3 ^{2/}	50.1 ***	44.3 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	02:40-02:45 HOUR	48.4 ^{2/}	50.1 ***	44.4 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	02:45-02:50 HOUR	49.3 ^{2/}	50.1 ***	45.3 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	48.5 ^{2/}	50.1 ***	44.5 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	02:55-03:00 HOUR	51.8 ^{2/}	50.1 ***	50.3 ^{2/}	49.4 ***	0.9
	03:00-03:05 HOUR	50.2 ^{2/}	50.1 ***	46.2 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}

DATE	TIME*	RESULT (dB(A))				
		POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 25, 2022 T22AD979-0007	NIGHT TIME ^{2/}					
	03:05-03:10 HOUR	49.1 ^{2/}	50.1 ***	45.1 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	03:10-03:15 HOUR	47.0 ^{2/}	50.1 ***	43.0 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	03:15-03:20 HOUR	47.7 ^{2/}	50.1 ***	43.7 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	03:20-03:25 HOUR	47.4 ^{2/}	50.1 ***	43.4 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	03:25-03:30 HOUR	48.5 ^{2/}	50.1 ***	44.5 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	03:30-03:35 HOUR	49.4 ^{2/}	50.1 ***	45.4 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	03:35-03:40 HOUR	47.4 ^{2/}	50.1 ***	43.4 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	03:40-03:45 HOUR	48.5 ^{2/}	50.1 ***	44.5 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	03:45-03:50 HOUR	49.8 ^{2/}	50.1 ***	45.8 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	03:50-03:55 HOUR	51.9 ^{2/}	50.1 ***	50.4 ^{2/}	49.4 ***	1.0
	03:55-04:00 HOUR	48.8 ^{2/}	50.1 ***	44.8 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	04:00-04:05 HOUR	48.0 ^{2/}	50.1 ***	44.0 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	04:05-04:10 HOUR	50.9 ^{2/}	50.1 ***	46.9 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	04:10-04:15 HOUR	47.2 ^{2/}	50.1 ***	43.2 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	04:15-04:20 HOUR	48.2 ^{2/}	50.1 ***	44.2 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	04:20-04:25 HOUR	48.1 ^{2/}	50.1 ***	44.1 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	04:25-04:30 HOUR	53.1 ^{2/}	50.1 ***	53.1 ^{2/}	49.4 ***	3.7
	04:30-04:35 HOUR	51.1 ^{2/}	50.1 ***	47.1 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	04:35-04:40 HOUR	49.4 ^{2/}	50.1 ***	45.4 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	04:40-04:45 HOUR	50.2 ^{2/}	50.1 ***	46.2 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	04:45-04:50 HOUR	54.4 ^{2/}	50.1 ***	55.4 ^{2/}	49.4 ***	6.0
	04:50-04:55 HOUR	54.8 ^{2/}	50.1 ***	56.3 ^{2/}	49.4 ***	6.9
	04:55-05:00 HOUR	49.1 ^{2/}	50.1 ***	45.1 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	05:00-05:05 HOUR	49.1 ^{2/}	50.1 ***	45.1 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	05:05-05:10 HOUR	48.4 ^{2/}	50.1 ***	44.4 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	05:10-05:15 HOUR	50.0 ^{2/}	50.1 ***	46.0 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	05:15-05:20 HOUR	49.2 ^{2/}	50.1 ***	45.2 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	05:20-05:25 HOUR	48.4 ^{2/}	50.1 ***	44.4 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	05:25-05:30 HOUR	49.2 ^{2/}	50.1 ***	45.2 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	05:30-05:35 HOUR	49.2 ^{2/}	50.1 ***	45.2 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	05:35-05:40 HOUR	47.8 ^{2/}	50.1 ***	43.8 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	05:40-05:45 HOUR	53.1 ^{2/}	50.1 ***	53.1 ^{2/}	49.4 ***	3.7
	05:45-05:50 HOUR	47.6 ^{2/}	50.1 ***	43.6 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	05:50-05:55 HOUR	48.5 ^{2/}	50.1 ***	44.5 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	05:55-06:00 HOUR	51.0 ^{2/}	50.1 ***	47.0 ^{2/}	49.4 ***	NOT SIGNIFICANT ^{3/}
	DAY TIME ^{1/}					
	06:00-07:00 HOUR	50.0 ^{1/}	51.3 **	43.0 ^{1/}	50.9 **	NOT SIGNIFICANT ^{3/}
FEBRUARY 25, 2022 T22AD979-0008	DAY TIME ^{1/}					
	07:00-08:00 HOUR	55.0 ^{1/}	52.5 **	52.0 ^{1/}	50.4 **	1.6
	08:00-09:00 HOUR	55.2 ^{1/}	52.5 **	52.2 ^{1/}	50.4 **	1.8
	09:00-10:00 HOUR	53.5 ^{1/}	52.5 **	46.5 ^{1/}	50.4 **	NOT SIGNIFICANT ^{3/}
	10:00-11:00 HOUR	56.5 ^{1/}	52.5 **	54.5 ^{1/}	50.4 **	4.1
	11:00-12:00 HOUR	55.8 ^{1/}	52.5 **	52.8 ^{1/}	50.4 **	2.4
	12:00-13:00 HOUR	57.1 ^{1/}	52.5 **	55.6 ^{1/}	50.4 **	5.2
	13:00-14:00 HOUR	56.8 ^{1/}	52.5 **	54.8 ^{1/}	50.4 **	4.4

DATE	TIME*	RESULT (dB(A))				
		POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 25, 2022 T22AD979-0008	DAY TIME ^{1/}					
	14:00-15:00 HOUR	56.2 ^{1/}	52.5 **	54.2 ^{1/}	50.4 **	3.8
	15:00-16:00 HOUR	56.9 ^{1/}	52.5 **	54.9 ^{1/}	50.4 **	4.5
	16:00-17:00 HOUR	52.8 ^{1/}	52.5 **	45.8 ^{1/}	50.4 **	NOT SIGNIFICANT ^{3/}
	17:00-18:00 HOUR	52.1 ^{1/}	52.5 **	45.1 ^{1/}	50.4 **	NOT SIGNIFICANT ^{3/}
	18:00-19:00 HOUR	53.0 ^{1/}	52.5 **	46.0 ^{1/}	50.4 **	NOT SIGNIFICANT ^{3/}
	19:00-20:00 HOUR	53.3 ^{1/}	52.5 **	46.3 ^{1/}	50.4 **	NOT SIGNIFICANT ^{3/}
	20:00-21:00 HOUR	55.5 ^{1/}	52.5 **	52.5 ^{1/}	50.4 **	2.1
	21:00-22:00 HOUR	55.0 ^{1/}	52.5 **	52.0 ^{1/}	50.4 **	1.6
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	53.7 ^{2/}	51.0 ***	53.7 ^{2/}	49.8 ***	3.9
	22:05-22:10 HOUR	54.4 ^{2/}	51.0 ***	54.4 ^{2/}	49.8 ***	4.6
	22:10-22:15 HOUR	54.8 ^{2/}	51.0 ***	55.8 ^{2/}	49.8 ***	6.0
	22:15-22:20 HOUR	52.2 ^{2/}	51.0 ***	48.2 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	22:20-22:25 HOUR	50.2 ^{2/}	51.0 ***	46.2 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	22:25-22:30 HOUR	49.9 ^{2/}	51.0 ***	45.9 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	22:30-22:35 HOUR	50.3 ^{2/}	51.0 ***	46.3 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	22:35-22:40 HOUR	50.3 ^{2/}	51.0 ***	46.3 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	22:40-22:45 HOUR	50.2 ^{2/}	51.0 ***	46.2 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	22:45-22:50 HOUR	51.2 ^{2/}	51.0 ***	47.2 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	22:50-22:55 HOUR	51.0 ^{2/}	51.0 ***	47.0 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	22:55-23:00 HOUR	50.7 ^{2/}	51.0 ***	46.7 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	23:00-23:05 HOUR	51.0 ^{2/}	51.0 ***	47.0 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	23:05-23:10 HOUR	51.0 ^{2/}	51.0 ***	47.0 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	23:10-23:15 HOUR	51.4 ^{2/}	51.0 ***	47.4 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	23:15-23:20 HOUR	51.0 ^{2/}	51.0 ***	47.0 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	23:20-23:25 HOUR	55.2 ^{2/}	51.0 ***	56.2 ^{2/}	49.8 ***	6.4
	23:25-23:30 HOUR	50.6 ^{2/}	51.0 ***	46.6 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	23:30-23:35 HOUR	50.8 ^{2/}	51.0 ***	46.8 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	23:35-23:40 HOUR	50.8 ^{2/}	51.0 ***	46.8 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	23:40-23:45 HOUR	51.3 ^{2/}	51.0 ***	47.3 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	23:45-23:50 HOUR	50.8 ^{2/}	51.0 ***	46.8 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	23:50-23:55 HOUR	49.7 ^{2/}	51.0 ***	45.7 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	23:55-00:00 HOUR	51.0 ^{2/}	51.0 ***	47.0 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
FEBRUARY 26, 2022 T22AD979-0008	NIGHT TIME ^{2/}					
	00:00-00:05 HOUR	50.0 ^{2/}	51.0 ***	46.0 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	00:05-00:10 HOUR	51.3 ^{2/}	51.0 ***	47.3 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	00:10-00:15 HOUR	51.6 ^{2/}	51.0 ***	47.6 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	00:15-00:20 HOUR	51.6 ^{2/}	51.0 ***	47.6 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	00:20-00:25 HOUR	51.7 ^{2/}	51.0 ***	47.7 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	00:25-00:30 HOUR	50.2 ^{2/}	51.0 ***	46.2 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	00:30-00:35 HOUR	51.6 ^{2/}	51.0 ***	47.6 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	00:35-00:40 HOUR	50.2 ^{2/}	51.0 ***	46.2 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	00:40-00:45 HOUR	49.8 ^{2/}	51.0 ***	45.8 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	00:45-00:50 HOUR	51.7 ^{2/}	51.0 ***	47.7 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	00:50-00:55 HOUR	51.2 ^{2/}	51.0 ***	47.2 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}

DATE	TIME*	RESULT (dB(A))				
		POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 26, 2022 T22AD979-0008	NIGHT TIME ^{2/}					
	00:55-01:00 HOUR	50.1 ^{2/}	51.0 ***	46.1 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	01:00-01:05 HOUR	50.9 ^{2/}	51.0 ***	46.9 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	01:05-01:10 HOUR	51.5 ^{2/}	51.0 ***	47.5 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	51.7 ^{2/}	51.0 ***	47.7 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	50.7 ^{2/}	51.0 ***	46.7 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	01:20-01:25 HOUR	51.3 ^{2/}	51.0 ***	47.3 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	51.9 ^{2/}	51.0 ***	47.9 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	01:30-01:35 HOUR	50.8 ^{2/}	51.0 ***	46.8 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	50.8 ^{2/}	51.0 ***	46.8 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	01:40-01:45 HOUR	50.2 ^{2/}	51.0 ***	46.2 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	01:45-01:50 HOUR	50.4 ^{2/}	51.0 ***	46.4 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	01:50-01:55 HOUR	50.9 ^{2/}	51.0 ***	46.9 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	01:55-02:00 HOUR	50.2 ^{2/}	51.0 ***	46.2 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	02:00-02:05 HOUR	49.2 ^{2/}	51.0 ***	45.2 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	50.9 ^{2/}	51.0 ***	46.9 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	02:10-02:15 HOUR	50.6 ^{2/}	51.0 ***	46.6 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	02:15-02:20 HOUR	50.8 ^{2/}	51.0 ***	46.8 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	02:20-02:25 HOUR	49.6 ^{2/}	51.0 ***	45.6 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	50.1 ^{2/}	51.0 ***	46.1 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	02:30-02:35 HOUR	49.5 ^{2/}	51.0 ***	45.5 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	02:35-02:40 HOUR	50.4 ^{2/}	51.0 ***	46.4 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	02:40-02:45 HOUR	51.0 ^{2/}	51.0 ***	47.0 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	02:45-02:50 HOUR	50.3 ^{2/}	51.0 ***	46.3 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	49.6 ^{2/}	51.0 ***	45.6 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	02:55-03:00 HOUR	54.1 ^{2/}	51.0 ***	54.1 ^{2/}	49.8 ***	4.3
	03:00-03:05 HOUR	52.7 ^{2/}	51.0 ***	51.2 ^{2/}	49.8 ***	1.4
	03:05-03:10 HOUR	49.3 ^{2/}	51.0 ***	45.3 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	03:10-03:15 HOUR	50.9 ^{2/}	51.0 ***	46.9 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	03:15-03:20 HOUR	50.8 ^{2/}	51.0 ***	46.8 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	03:20-03:25 HOUR	50.7 ^{2/}	51.0 ***	46.7 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	03:25-03:30 HOUR	49.3 ^{2/}	51.0 ***	45.3 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	03:30-03:35 HOUR	55.2 ^{2/}	51.0 ***	56.2 ^{2/}	49.8 ***	6.4
	03:35-03:40 HOUR	52.1 ^{2/}	51.0 ***	48.1 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	03:40-03:45 HOUR	50.7 ^{2/}	51.0 ***	46.7 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	03:45-03:50 HOUR	55.8 ^{2/}	51.0 ***	57.3 ^{2/}	49.8 ***	7.5
	03:50-03:55 HOUR	52.6 ^{2/}	51.0 ***	51.1 ^{2/}	49.8 ***	1.3
	03:55-04:00 HOUR	55.8 ^{2/}	51.0 ***	57.3 ^{2/}	49.8 ***	7.5
	04:00-04:05 HOUR	54.6 ^{2/}	51.0 ***	55.6 ^{2/}	49.8 ***	5.8
	04:05-04:10 HOUR	55.9 ^{2/}	51.0 ***	57.4 ^{2/}	49.8 ***	7.6
	04:10-04:15 HOUR	53.9 ^{2/}	51.0 ***	53.9 ^{2/}	49.8 ***	4.1
	04:15-04:20 HOUR	53.8 ^{2/}	51.0 ***	53.8 ^{2/}	49.8 ***	4.0
	04:20-04:25 HOUR	54.4 ^{2/}	51.0 ***	54.4 ^{2/}	49.8 ***	4.6
	04:25-04:30 HOUR	53.8 ^{2/}	51.0 ***	53.8 ^{2/}	49.8 ***	4.0
	04:30-04:35 HOUR	54.2 ^{2/}	51.0 ***	54.2 ^{2/}	49.8 ***	4.4
	04:35-04:40 HOUR	53.5 ^{2/}	51.0 ***	53.5 ^{2/}	49.8 ***	3.7

DATE	TIME*	RESULT (dB(A))				
		POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 26, 2022 T22AD979-0008	NIGHT TIME ^{2/}					
	04:40-04:45 HOUR	52.9 ^{2/}	51.0 ***	51.4 ^{2/}	49.8 ***	1.6
	04:45-04:50 HOUR	52.3 ^{2/}	51.0 ***	48.3 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	04:50-04:55 HOUR	54.3 ^{2/}	51.0 ***	54.3 ^{2/}	49.8 ***	4.5
	04:55-05:00 HOUR	52.0 ^{2/}	51.0 ***	48.0 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	05:00-05:05 HOUR	52.9 ^{2/}	51.0 ***	51.4 ^{2/}	49.8 ***	1.6
	05:05-05:10 HOUR	51.3 ^{2/}	51.0 ***	47.3 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	05:10-05:15 HOUR	52.4 ^{2/}	51.0 ***	48.4 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	05:15-05:20 HOUR	51.5 ^{2/}	51.0 ***	47.5 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	05:20-05:25 HOUR	52.7 ^{2/}	51.0 ***	51.2 ^{2/}	49.8 ***	1.4
	05:25-05:30 HOUR	55.9 ^{2/}	51.0 ***	57.4 ^{2/}	49.8 ***	7.6
	05:30-05:35 HOUR	51.0 ^{2/}	51.0 ***	47.0 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	05:35-05:40 HOUR	51.3 ^{2/}	51.0 ***	47.3 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	05:40-05:45 HOUR	51.9 ^{2/}	51.0 ***	47.9 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	05:45-05:50 HOUR	53.0 ^{2/}	51.0 ***	51.5 ^{2/}	49.8 ***	1.7
	05:50-05:55 HOUR	51.2 ^{2/}	51.0 ***	47.2 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
	05:55-06:00 HOUR	50.5 ^{2/}	51.0 ***	46.5 ^{2/}	49.8 ***	NOT SIGNIFICANT ^{3/}
FEBRUARY 26, 2022 T22AD979-0009	DAY TIME ^{2/}					
	06:00-07:00 HOUR	52.0 ^{1/}	52.5 **	45.0 ^{1/}	50.4 **	NOT SIGNIFICANT ^{3/}
	DAY TIME ^{2/}					
	07:00-08:00 HOUR	51.8 ^{1/}	51.4 **	44.8 ^{1/}	50.0 **	NOT SIGNIFICANT ^{3/}
	08:00-09:00 HOUR	57.8 ^{1/}	51.4 **	56.3 ^{1/}	50.0 **	6.3
	09:00-10:00 HOUR	58.8 ^{1/}	51.4 **	57.8 ^{1/}	50.0 **	7.8
	10:00-11:00 HOUR	51.9 ^{1/}	51.4 **	44.9 ^{1/}	50.0 **	NOT SIGNIFICANT ^{3/}
	11:00-12:00 HOUR	51.3 ^{1/}	51.4 **	44.3 ^{1/}	50.0 **	NOT SIGNIFICANT ^{3/}
	12:00-13:00 HOUR	52.6 ^{1/}	51.4 **	45.6 ^{1/}	50.0 **	NOT SIGNIFICANT ^{3/}
	13:00-14:00 HOUR	50.8 ^{1/}	51.4 **	43.8 ^{1/}	50.0 **	NOT SIGNIFICANT ^{3/}
	14:00-15:00 HOUR	52.0 ^{1/}	51.4 **	45.0 ^{1/}	50.0 **	NOT SIGNIFICANT ^{3/}
	15:00-16:00 HOUR	52.4 ^{1/}	51.4 **	45.4 ^{1/}	50.0 **	NOT SIGNIFICANT ^{3/}
	16:00-17:00 HOUR	51.3 ^{1/}	51.4 **	44.3 ^{1/}	50.0 **	NOT SIGNIFICANT ^{3/}
	17:00-18:00 HOUR	51.6 ^{1/}	51.4 **	44.6 ^{1/}	50.0 **	NOT SIGNIFICANT ^{3/}
	18:00-19:00 HOUR	52.8 ^{1/}	51.4 **	45.8 ^{1/}	50.0 **	NOT SIGNIFICANT ^{3/}
	19:00-20:00 HOUR	51.5 ^{1/}	51.4 **	44.5 ^{1/}	50.0 **	NOT SIGNIFICANT ^{3/}
	20:00-21:00 HOUR	50.3 ^{1/}	51.4 **	43.3 ^{1/}	50.0 **	NOT SIGNIFICANT ^{3/}
	21:00-22:00 HOUR	51.0 ^{1/}	51.4 **	44.0 ^{1/}	50.0 **	NOT SIGNIFICANT ^{3/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	50.1 ^{2/}	50.4 ***	46.1 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	22:05-22:10 HOUR	52.2 ^{2/}	50.4 ***	50.7 ^{2/}	49.6 ***	1.1
	22:10-22:15 HOUR	50.9 ^{2/}	50.4 ***	46.9 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	22:15-22:20 HOUR	51.7 ^{2/}	50.4 ***	47.7 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	22:20-22:25 HOUR	52.1 ^{2/}	50.4 ***	50.6 ^{2/}	49.6 ***	1.0
	22:25-22:30 HOUR	54.0 ^{2/}	50.4 ***	55.0 ^{2/}	49.6 ***	5.4
	22:30-22:35 HOUR	50.9 ^{2/}	50.4 ***	46.9 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	22:35-22:40 HOUR	51.6 ^{2/}	50.4 ***	47.6 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	22:40-22:45 HOUR	52.1 ^{2/}	50.4 ***	50.6 ^{2/}	49.6 ***	1.0
	22:45-22:50 HOUR	52.9 ^{2/}	50.4 ***	52.9 ^{2/}	49.6 ***	3.3

DATE	TIME*	RESULT (dB(A))				
		POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 26, 2022 T22AD979-0009	NIGHT TIME ^{2/}					
	22:50-22:55 HOUR	51.9 ^{2/}	50.4 ***	50.4 ^{2/}	49.6 ***	0.8
	22:55-23:00 HOUR	52.1 ^{2/}	50.4 ***	50.6 ^{2/}	49.6 ***	1.0
	23:00-23:05 HOUR	51.2 ^{2/}	50.4 ***	47.2 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	23:05-23:10 HOUR	51.9 ^{2/}	50.4 ***	50.4 ^{2/}	49.6 ***	0.8
	23:10-23:15 HOUR	50.4 ^{2/}	50.4 ***	46.4 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	23:15-23:20 HOUR	51.0 ^{2/}	50.4 ***	47.0 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	23:20-23:25 HOUR	50.7 ^{2/}	50.4 ***	46.7 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	23:25-23:30 HOUR	50.3 ^{2/}	50.4 ***	46.3 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	23:30-23:35 HOUR	51.9 ^{2/}	50.4 ***	50.4 ^{2/}	49.6 ***	0.8
	23:35-23:40 HOUR	50.7 ^{2/}	50.4 ***	46.7 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	23:40-23:45 HOUR	51.6 ^{2/}	50.4 ***	47.6 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	23:45-23:50 HOUR	51.5 ^{2/}	50.4 ***	47.5 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	23:50-23:55 HOUR	51.7 ^{2/}	50.4 ***	47.7 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	23:55-00:00 HOUR	50.9 ^{2/}	50.4 ***	46.9 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
FEBRUARY 27, 2022 T22AD979-0009	NIGHT TIME ^{2/}					
	00:00-00:05 HOUR	50.7 ^{2/}	50.4 ***	46.7 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	00:05-00:10 HOUR	50.2 ^{2/}	50.4 ***	46.2 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	00:10-00:15 HOUR	50.4 ^{2/}	50.4 ***	46.4 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	00:15-00:20 HOUR	51.3 ^{2/}	50.4 ***	47.3 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	00:20-00:25 HOUR	53.4 ^{2/}	50.4 ***	53.4 ^{2/}	49.6 ***	3.8
	00:25-00:30 HOUR	53.5 ^{2/}	50.4 ***	53.5 ^{2/}	49.6 ***	3.9
	00:30-00:35 HOUR	53.6 ^{2/}	50.4 ***	53.6 ^{2/}	49.6 ***	4.0
	00:35-00:40 HOUR	50.4 ^{2/}	50.4 ***	46.4 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	00:40-00:45 HOUR	50.1 ^{2/}	50.4 ***	46.1 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	00:45-00:50 HOUR	49.8 ^{2/}	50.4 ***	45.8 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	00:50-00:55 HOUR	53.9 ^{2/}	50.4 ***	54.9 ^{2/}	49.6 ***	5.3
	00:55-01:00 HOUR	52.8 ^{2/}	50.4 ***	51.3 ^{2/}	49.6 ***	1.7
	01:00-01:05 HOUR	48.5 ^{2/}	50.4 ***	44.5 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	01:05-01:10 HOUR	48.7 ^{2/}	50.4 ***	44.7 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	49.0 ^{2/}	50.4 ***	45.0 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	51.2 ^{2/}	50.4 ***	47.2 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	01:20-01:25 HOUR	51.8 ^{2/}	50.4 ***	47.8 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	54.4 ^{2/}	50.4 ***	55.4 ^{2/}	49.6 ***	5.8
	01:30-01:35 HOUR	51.2 ^{2/}	50.4 ***	47.2 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	51.9 ^{2/}	50.4 ***	50.4 ^{2/}	49.6 ***	0.8
	01:40-01:45 HOUR	52.7 ^{2/}	50.4 ***	51.2 ^{2/}	49.6 ***	1.6
	01:45-01:50 HOUR	51.5 ^{2/}	50.4 ***	47.5 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	01:50-01:55 HOUR	50.4 ^{2/}	50.4 ***	45.6 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	01:55-02:00 HOUR	54.5 ^{2/}	50.4 ***	55.5 ^{2/}	49.6 ***	5.9
	02:00-02:05 HOUR	49.5 ^{2/}	50.4 ***	45.5 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	50.3 ^{2/}	50.4 ***	46.3 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	02:10-02:15 HOUR	48.5 ^{2/}	50.4 ***	44.5 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	02:15-02:20 HOUR	48.6 ^{2/}	50.4 ***	44.6 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	02:20-02:25 HOUR	49.7 ^{2/}	50.4 ***	45.7 ^{2/}	49.6 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	52.0 ^{2/}	50.4 ***	50.5 ^{2/}	49.6 ***	0.9

DATE	TIME*	RESULT (dB(A))				
		POARJHC 1 : BAN KHAO NOI (UTM WGS 84 ZONE 47P 731559E 1732485N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 27, 2022 T22AD979-0009	NIGHT TIME ^{2f}					
	02:30-02:35 HOUR	54.6 ^{2f}	50.4 ***	55.6 ^{2f}	49.6 ***	6.0
	02:35-02:40 HOUR	50.9 ^{2f}	50.4 ***	46.9 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	02:40-02:45 HOUR	51.0 ^{2f}	50.4 ***	47.0 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	02:45-02:50 HOUR	51.4 ^{2f}	50.4 ***	47.4 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	02:50-02:55 HOUR	49.1 ^{2f}	50.4 ***	45.1 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	02:55-03:00 HOUR	49.0 ^{2f}	50.4 ***	45.0 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	03:00-03:05 HOUR	49.8 ^{2f}	50.4 ***	45.8 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	03:05-03:10 HOUR	50.2 ^{2f}	50.4 ***	46.2 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	03:10-03:15 HOUR	48.2 ^{2f}	50.4 ***	44.2 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	03:15-03:20 HOUR	47.4 ^{2f}	50.4 ***	43.4 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	03:20-03:25 HOUR	48.8 ^{2f}	50.4 ***	44.8 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	03:25-03:30 HOUR	53.5 ^{2f}	50.4 ***	53.5 ^{2f}	49.6 ***	3.9
	03:30-03:35 HOUR	47.8 ^{2f}	50.4 ***	43.8 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	03:35-03:40 HOUR	55.2 ^{2f}	50.4 ***	56.7 ^{2f}	49.6 ***	7.1
	03:40-03:45 HOUR	49.5 ^{2f}	50.4 ***	45.5 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	03:45-03:50 HOUR	47.7 ^{2f}	50.4 ***	43.7 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	03:50-03:55 HOUR	50.0 ^{2f}	50.4 ***	46.0 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	03:55-04:00 HOUR	52.2 ^{2f}	50.4 ***	50.7 ^{2f}	49.6 ***	1.1
	04:00-04:05 HOUR	47.1 ^{2f}	50.4 ***	43.1 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	04:05-04:10 HOUR	48.2 ^{2f}	50.4 ***	44.2 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	04:10-04:15 HOUR	50.1 ^{2f}	50.4 ***	46.1 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	04:15-04:20 HOUR	47.8 ^{2f}	50.4 ***	43.8 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	04:20-04:25 HOUR	48.6 ^{2f}	50.4 ***	44.6 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	04:25-04:30 HOUR	48.7 ^{2f}	50.4 ***	44.7 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	04:30-04:35 HOUR	48.0 ^{2f}	50.4 ***	44.0 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	04:35-04:40 HOUR	47.4 ^{2f}	50.4 ***	43.4 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	04:40-04:45 HOUR	48.3 ^{2f}	50.4 ***	44.3 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	04:45-04:50 HOUR	47.0 ^{2f}	50.4 ***	43.0 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	04:50-04:55 HOUR	50.3 ^{2f}	50.4 ***	46.3 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	04:55-05:00 HOUR	48.9 ^{2f}	50.4 ***	44.9 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	05:00-05:05 HOUR	55.1 ^{2f}	50.4 ***	56.6 ^{2f}	49.6 ***	7.0
	05:05-05:10 HOUR	49.8 ^{2f}	50.4 ***	45.8 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	05:10-05:15 HOUR	47.7 ^{2f}	50.4 ***	43.7 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	05:15-05:20 HOUR	46.9 ^{2f}	50.4 ***	42.9 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	05:20-05:25 HOUR	51.7 ^{2f}	50.4 ***	47.7 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	05:25-05:30 HOUR	49.5 ^{2f}	50.4 ***	45.5 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	05:30-05:35 HOUR	49.3 ^{2f}	50.4 ***	45.3 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	05:35-05:40 HOUR	54.3 ^{2f}	50.4 ***	55.3 ^{2f}	49.6 ***	5.7
	05:40-05:45 HOUR	52.0 ^{2f}	50.4 ***	50.5 ^{2f}	49.6 ***	0.9
	05:45-05:50 HOUR	50.8 ^{2f}	50.4 ***	46.8 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	05:50-05:55 HOUR	53.2 ^{2f}	50.4 ***	53.2 ^{2f}	49.6 ***	3.6
	05:55-06:00 HOUR	47.0 ^{2f}	50.4 ***	43.0 ^{2f}	49.6 ***	NOT SIGNIFICANT ^{3f}
	DAY TIME ^{3f}					
	06:00-07:00 HOUR	49.2 ^{1f}	51.4 **	42.2 ^{1f}	50.0 **	NOT SIGNIFICANT ^{3f}

- 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

MARCH 14, 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@ecohtal.net
MEASURING SOURCE : POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : MAY 1-4, 2022
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER
MEASURED BY : MR UTHAI KAEWRAKMOOK

RECEIVED DATE : MAY 1-4, 2022
ANALYTICAL DATE : MAY 1-4, 2022
REPORT NO. : 2022-U034494
WORK NO. : 2022-001204
ANALYSIS NO. : T22AI371-0004 - T22AI371-0006

TIME*	RESULT dB(A)		
	POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)		
	MAY 1-2, 2022		
	T22AI371-0004		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	49.9	62.2	44.4
08:00-09:00 HOUR	59.4	71.0	57.6
09:00-10:00 HOUR	59.0	70.0	56.5
10:00-11:00 HOUR	58.8	82.0	55.2
11:00-12:00 HOUR	56.9	72.3	50.8
12:00-13:00 HOUR	56.1	73.2	46.1
13:00-14:00 HOUR	59.3	66.9	50.6
14:00-15:00 HOUR	59.2	67.1	53.4
15:00-16:00 HOUR	54.2	70.3	48.0
16:00-17:00 HOUR	57.1	76.1	47.8
17:00-18:00 HOUR	50.4	68.1	45.0
18:00-19:00 HOUR	50.7	66.7	46.9
19:00-20:00 HOUR	55.1	69.9	50.6
20:00-21:00 HOUR	52.3	66.2	50.3
21:00-22:00 HOUR	51.6	67.9	49.7
22:00-23:00 HOUR	50.3	73.8	49.0
23:00-00:00 HOUR	51.0	67.0	48.6
00:00-01:00 HOUR	48.2	55.1	46.3
01:00-02:00 HOUR	47.9	63.5	45.7
02:00-03:00 HOUR	47.9	54.4	46.0
03:00-04:00 HOUR	47.9	59.4	45.8
04:00-05:00 HOUR	49.0	59.8	46.7
05:00-06:00 HOUR	49.5	57.4	47.4
06:00-07:00 HOUR	53.6	67.2	48.6
L _{Aeq} 24 hours		55.0	
L _{Adn}		58.1	

TIME*	RESULT dB(A)		
	POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)		
	MAY 2-3, 2022		
	T22AI371-0005		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	54.8	74.2	48.6
08:00-09:00 HOUR	50.9	63.4	46.9
09:00-10:00 HOUR	56.6	72.5	50.8
10:00-11:00 HOUR	57.0	69.7	52.8
11:00-12:00 HOUR	56.5	66.8	52.8
12:00-13:00 HOUR	56.1	75.2	51.5
13:00-14:00 HOUR	56.7	73.3	51.2
14:00-15:00 HOUR	56.9	69.2	52.3
15:00-16:00 HOUR	55.5	65.2	48.5
16:00-17:00 HOUR	50.6	63.6	46.3
17:00-18:00 HOUR	52.9	80.8	48.0
18:00-19:00 HOUR	50.5	68.9	46.6
19:00-20:00 HOUR	51.3	72.3	47.9
20:00-21:00 HOUR	48.5	63.1	47.1
21:00-22:00 HOUR	47.7	55.3	46.1
22:00-23:00 HOUR	47.7	54.4	46.1
23:00-00:00 HOUR	47.3	51.4	45.9
00:00-01:00 HOUR	47.4	57.8	45.4
01:00-02:00 HOUR	46.4	75.4	43.4
02:00-03:00 HOUR	45.1	70.4	42.9
03:00-04:00 HOUR	47.4	55.8	45.2
04:00-05:00 HOUR	49.6	55.5	47.1
05:00-06:00 HOUR	49.2	56.3	46.8
06:00-07:00 HOUR	51.6	73.0	45.3
L _{Aeq} 24 hours		53.1	
L _{Adn}		56.4	



TIME*	RESULT dB(A)		
	POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)		
	MAY 3-4, 2022		
	T22AI371-0006		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	49.5	68.3	45.5
08:00-09:00 HOUR	53.4	70.0	48.3
09:00-10:00 HOUR	54.7	72.7	45.5
10:00-11:00 HOUR	55.1	68.1	49.2
11:00-12:00 HOUR	54.8	68.2	48.4
12:00-13:00 HOUR	53.3	66.7	46.9
13:00-14:00 HOUR	55.2	66.0	49.5
14:00-15:00 HOUR	55.1	69.1	47.9
15:00-16:00 HOUR	50.5	62.8	46.1
16:00-17:00 HOUR	53.7	67.3	47.3
17:00-18:00 HOUR	52.1	61.4	44.3
18:00-19:00 HOUR	47.5	67.4	43.6
19:00-20:00 HOUR	49.3	55.2	45.4
20:00-21:00 HOUR	50.3	54.8	47.3
21:00-22:00 HOUR	49.2	68.1	43.9
22:00-23:00 HOUR	49.6	58.3	44.6
23:00-00:00 HOUR	48.6	54.3	43.6
00:00-01:00 HOUR	47.9	54.3	43.4
01:00-02:00 HOUR	49.0	55.5	43.9
02:00-03:00 HOUR	49.2	60.2	44.8
03:00-04:00 HOUR	46.9	55.0	43.5
04:00-05:00 HOUR	47.1	55.3	43.2
05:00-06:00 HOUR	48.4	66.9	44.0
06:00-07:00 HOUR	47.2	70.8	40.9
L _{Aeq} 24 hours		51.7	
L _{Adn}		55.8	

Sit J
(MR SITA BANONGJAIKUK)
LABORATORY SUPERVISOR

MAY 17, 2022

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• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

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2022-U034494

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 : POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)
MEASURING TYPE : AMBIENT (ANNOYANCE NOISE)
MEASURING DATE : MAY 1-4, 2022
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION
MEASURED BY : MR UTHAI KAEWRAKMOOK
RECEIVED DATE : MAY 1-4, 2022
ANALYTICAL DATE : MAY 1-4, 2022
REPORT NO. : 2022-U034493
WORK NO. : 2022-001204
ANALYSIS NO. : T22AI371-0004 - T22AI371-0006

DATE	TIME*	RESULT (dB(A))				
		POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
MAY 1, 2022	DAY TIME ^{1/}					
T22AI371-0004	07:00-08:00 HOUR	49.9 ^{1/}	51.1 **	42.9 ^{1/}	49.4 **	NOT SIGNIFICANT ^{1/}
	08:00-09:00 HOUR	59.4 ^{1/}	51.1 **	58.9 ^{1/}	49.4 **	9.5
	09:00-10:00 HOUR	59.0 ^{1/}	51.1 **	58.5 ^{1/}	49.4 **	9.1
	10:00-11:00 HOUR	58.8 ^{1/}	51.1 **	58.3 ^{1/}	49.4 **	8.9
	11:00-12:00 HOUR	56.9 ^{1/}	51.1 **	55.4 ^{1/}	49.4 **	6.0
	12:00-13:00 HOUR	56.1 ^{1/}	51.1 **	54.6 ^{1/}	49.4 **	5.2
	13:00-14:00 HOUR	59.3 ^{1/}	51.1 **	58.8 ^{1/}	49.4 **	9.4
	14:00-15:00 HOUR	59.2 ^{1/}	51.1 **	58.7 ^{1/}	49.4 **	9.3
	15:00-16:00 HOUR	54.2 ^{1/}	51.1 **	51.2 ^{1/}	49.4 **	1.8
	16:00-17:00 HOUR	57.1 ^{1/}	51.1 **	55.6 ^{1/}	49.4 **	6.2
	17:00-18:00 HOUR	50.4 ^{1/}	51.1 **	43.4 ^{1/}	49.4 **	NOT SIGNIFICANT ^{1/}
	18:00-19:00 HOUR	50.7 ^{1/}	51.1 **	43.7 ^{1/}	49.4 **	NOT SIGNIFICANT ^{1/}
	19:00-20:00 HOUR	55.1 ^{1/}	51.1 **	53.1 ^{1/}	49.4 **	3.7
	20:00-21:00 HOUR	52.3 ^{1/}	51.1 **	45.3 ^{1/}	49.4 **	NOT SIGNIFICANT ^{1/}
	21:00-22:00 HOUR	51.6 ^{1/}	51.1 **	44.6 ^{1/}	49.4 **	NOT SIGNIFICANT ^{1/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	50.7 ^{2/}	46.7 ***	51.7 ^{2/}	45.5 ***	6.2
	22:05-22:10 HOUR	51.0 ^{2/}	46.7 ***	52.0 ^{2/}	45.5 ***	6.5
	22:10-22:15 HOUR	50.6 ^{2/}	46.7 ***	51.6 ^{2/}	45.5 ***	6.1
	22:15-22:20 HOUR	50.3 ^{2/}	46.7 ***	51.3 ^{2/}	45.5 ***	5.8
	22:20-22:25 HOUR	50.7 ^{2/}	46.7 ***	51.7 ^{2/}	45.5 ***	6.2
	22:25-22:30 HOUR	50.9 ^{2/}	46.7 ***	51.9 ^{2/}	45.5 ***	6.4
	22:30-22:35 HOUR	50.1 ^{2/}	46.7 ***	50.1 ^{2/}	45.5 ***	4.6
	22:35-22:40 HOUR	50.0 ^{2/}	46.7 ***	50.0 ^{2/}	45.5 ***	4.5
	22:40-22:45 HOUR	51.0 ^{2/}	46.7 ***	52.0 ^{2/}	45.5 ***	6.5
	22:45-22:50 HOUR	49.5 ^{2/}	46.7 ***	49.5 ^{2/}	45.5 ***	4.0
	22:50-22:55 HOUR	49.5 ^{2/}	46.7 ***	49.5 ^{2/}	45.5 ***	4.0
	22:55-23:00 HOUR	49.4 ^{2/}	46.7 ***	49.4 ^{2/}	45.5 ***	3.9
	23:00-23:05 HOUR	49.9 ^{2/}	46.7 ***	49.9 ^{2/}	45.5 ***	4.4
	23:05-23:10 HOUR	49.6 ^{2/}	46.7 ***	49.6 ^{2/}	45.5 ***	4.1
	23:10-23:15 HOUR	49.5 ^{2/}	46.7 ***	49.5 ^{2/}	45.5 ***	4.0
	23:15-23:20 HOUR	49.6 ^{2/}	46.7 ***	49.6 ^{2/}	45.5 ***	4.1
	23:20-23:25 HOUR	50.5 ^{2/}	46.7 ***	51.5 ^{2/}	45.5 ***	6.0

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DATE	TIME*	RESULT (dB(A))				
		POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
MAY 1, 2022 T22A1371-0004	NIGHT TIME ^{2/}					
	23:25-23:30 HOUR	52.4 ^{2/}	46.7 ***	53.9 ^{2/}	45.5 ***	8.4
	23:30-23:35 HOUR	52.6 ^{2/}	46.7 ***	54.1 ^{2/}	45.5 ***	8.6
	23:35-23:40 HOUR	52.7 ^{2/}	46.7 ***	54.2 ^{2/}	45.5 ***	8.7
	23:40-23:45 HOUR	51.8 ^{2/}	46.7 ***	53.3 ^{2/}	45.5 ***	7.8
	23:45-23:50 HOUR	49.8 ^{2/}	46.7 ***	49.8 ^{2/}	45.5 ***	4.3
	23:50-23:55 HOUR	50.7 ^{2/}	46.7 ***	51.7 ^{2/}	45.5 ***	6.2
MAY 2, 2022 T22A1371-0004	23:55-00:00 HOUR	51.4 ^{2/}	46.7 ***	52.9 ^{2/}	45.5 ***	7.4
	NIGHT TIME ^{2/}					
	00:00-00:05 HOUR	49.8 ^{2/}	46.7 ***	49.8 ^{2/}	45.5 ***	4.3
	00:05-00:10 HOUR	48.9 ^{2/}	46.7 ***	47.4 ^{2/}	45.5 ***	1.9
	00:10-00:15 HOUR	49.1 ^{2/}	46.7 ***	47.6 ^{2/}	45.5 ***	2.1
	00:15-00:20 HOUR	47.9 ^{2/}	46.7 ***	43.9 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	00:20-00:25 HOUR	48.2 ^{2/}	46.7 ***	46.7 ^{2/}	45.5 ***	1.2
	00:25-00:30 HOUR	48.9 ^{2/}	46.7 ***	47.4 ^{2/}	45.5 ***	1.9
	00:30-00:35 HOUR	48.3 ^{2/}	46.7 ***	46.8 ^{2/}	45.5 ***	1.3
	00:35-00:40 HOUR	47.3 ^{2/}	46.7 ***	43.3 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	00:40-00:45 HOUR	46.7 ^{2/}	46.7 ***	42.7 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	00:45-00:50 HOUR	46.7 ^{2/}	46.7 ***	42.7 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	00:50-00:55 HOUR	47.4 ^{2/}	46.7 ***	43.4 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	00:55-01:00 HOUR	47.4 ^{2/}	46.7 ***	43.4 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	01:00-01:05 HOUR	47.0 ^{2/}	46.7 ***	43.0 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	01:05-01:10 HOUR	47.4 ^{2/}	46.7 ***	43.4 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	48.1 ^{2/}	46.7 ***	44.1 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	47.5 ^{2/}	46.7 ***	43.5 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	01:20-01:25 HOUR	48.3 ^{2/}	46.7 ***	46.8 ^{2/}	45.5 ***	1.3
	01:25-01:30 HOUR	47.0 ^{2/}	46.7 ***	43.0 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	01:30-01:35 HOUR	47.0 ^{2/}	46.7 ***	43.0 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	47.4 ^{2/}	46.7 ***	43.4 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	01:40-01:45 HOUR	47.3 ^{2/}	46.7 ***	43.3 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	01:45-01:50 HOUR	51.4 ^{2/}	46.7 ***	52.9 ^{2/}	45.5 ***	7.4
	01:50-01:55 HOUR	47.3 ^{2/}	46.7 ***	43.3 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	01:55-02:00 HOUR	47.0 ^{2/}	46.7 ***	43.0 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	02:00-02:05 HOUR	47.4 ^{2/}	46.7 ***	43.4 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	49.0 ^{2/}	46.7 ***	47.5 ^{2/}	45.5 ***	2.0
	02:10-02:15 HOUR	48.6 ^{2/}	46.7 ***	47.1 ^{2/}	45.5 ***	1.6
	02:15-02:20 HOUR	48.5 ^{2/}	46.7 ***	47.0 ^{2/}	45.5 ***	1.5
	02:20-02:25 HOUR	47.5 ^{2/}	46.7 ***	43.5 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	47.5 ^{2/}	46.7 ***	43.5 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	02:30-02:35 HOUR	47.4 ^{2/}	46.7 ***	43.4 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	02:35-02:40 HOUR	47.4 ^{2/}	46.7 ***	43.4 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	02:40-02:45 HOUR	47.5 ^{2/}	46.7 ***	43.5 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	02:45-02:50 HOUR	47.4 ^{2/}	46.7 ***	43.4 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	48.3 ^{2/}	46.7 ***	46.8 ^{2/}	45.5 ***	1.3
	02:55-03:00 HOUR	48.2 ^{2/}	46.7 ***	46.7 ^{2/}	45.5 ***	1.2
	03:00-03:05 HOUR	47.9 ^{2/}	46.7 ***	43.9 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}

DATE	TIME*	RESULT (dB(A))				
		POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
MAY 2, 2022 T22A1371-0004	NIGHT TIME ^{2/}					
	03:05-03:10 HOUR	48.8 ^{2/}	46.7 ***	47.3 ^{2/}	45.5 ***	1.8
	03:10-03:15 HOUR	49.0 ^{2/}	46.7 ***	47.5 ^{2/}	45.5 ***	2.0
	03:15-03:20 HOUR	48.3 ^{2/}	46.7 ***	46.8 ^{2/}	45.5 ***	1.3
	03:20-03:25 HOUR	47.6 ^{2/}	46.7 ***	43.6 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	03:25-03:30 HOUR	47.9 ^{2/}	46.7 ***	43.9 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	03:30-03:35 HOUR	47.2 ^{2/}	46.7 ***	43.2 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	03:35-03:40 HOUR	47.3 ^{2/}	46.7 ***	43.3 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	03:40-03:45 HOUR	47.8 ^{2/}	46.7 ***	43.8 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	03:45-03:50 HOUR	47.4 ^{2/}	46.7 ***	43.4 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	03:50-03:55 HOUR	47.5 ^{2/}	46.7 ***	43.5 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	03:55-04:00 HOUR	47.7 ^{2/}	46.7 ***	43.7 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	04:00-04:05 HOUR	48.5 ^{2/}	46.7 ***	47.0 ^{2/}	45.5 ***	1.5
	04:05-04:10 HOUR	48.6 ^{2/}	46.7 ***	47.1 ^{2/}	45.5 ***	1.6
	04:10-04:15 HOUR	48.2 ^{2/}	46.7 ***	46.7 ^{2/}	45.5 ***	1.2
	04:15-04:20 HOUR	48.9 ^{2/}	46.7 ***	47.4 ^{2/}	45.5 ***	1.9
	04:20-04:25 HOUR	49.2 ^{2/}	46.7 ***	49.2 ^{2/}	45.5 ***	3.7
	04:25-04:30 HOUR	48.0 ^{2/}	46.7 ***	44.0 ^{2/}	45.5 ***	NOT SIGNIFICANT ^{3/}
	04:30-04:35 HOUR	48.5 ^{2/}	46.7 ***	47.0 ^{2/}	45.5 ***	1.5
	04:35-04:40 HOUR	49.5 ^{2/}	46.7 ***	49.5 ^{2/}	45.5 ***	4.0
	04:40-04:45 HOUR	49.0 ^{2/}	46.7 ***	47.5 ^{2/}	45.5 ***	2.0
	04:45-04:50 HOUR	49.7 ^{2/}	46.7 ***	49.7 ^{2/}	45.5 ***	4.2
	04:50-04:55 HOUR	49.7 ^{2/}	46.7 ***	49.7 ^{2/}	45.5 ***	4.2
	04:55-05:00 HOUR	49.4 ^{2/}	46.7 ***	49.4 ^{2/}	45.5 ***	3.9
	05:00-05:05 HOUR	50.0 ^{2/}	46.7 ***	50.0 ^{2/}	45.5 ***	4.5
	05:05-05:10 HOUR	49.8 ^{2/}	46.7 ***	49.8 ^{2/}	45.5 ***	4.3
	05:10-05:15 HOUR	49.3 ^{2/}	46.7 ***	49.3 ^{2/}	45.5 ***	3.8
	05:15-05:20 HOUR	50.6 ^{2/}	46.7 ***	51.6 ^{2/}	45.5 ***	6.1
	05:20-05:25 HOUR	50.4 ^{2/}	46.7 ***	51.4 ^{2/}	45.5 ***	5.9
	05:25-05:30 HOUR	48.9 ^{2/}	46.7 ***	47.4 ^{2/}	45.5 ***	1.9
	05:30-05:35 HOUR	48.6 ^{2/}	46.7 ***	47.1 ^{2/}	45.5 ***	1.6
	05:35-05:40 HOUR	49.3 ^{2/}	46.7 ***	49.3 ^{2/}	45.5 ***	3.8
	05:40-05:45 HOUR	49.7 ^{2/}	46.7 ***	49.7 ^{2/}	45.5 ***	4.2
	05:45-05:50 HOUR	48.9 ^{2/}	46.7 ***	47.4 ^{2/}	45.5 ***	1.9
	05:50-05:55 HOUR	49.2 ^{2/}	46.7 ***	49.2 ^{2/}	45.5 ***	3.7
	05:55-06:00 HOUR	49.1 ^{2/}	46.7 ***	47.6 ^{2/}	45.5 ***	2.1
	DAY TIME ^{1/}					
	06:00-07:00 HOUR	53.6 ^{1/}	51.1 **	50.6 ^{1/}	49.4 **	1.2
MAY 2, 2022 T22A1371-0005	DAY TIME ^{1/}					
	07:00-08:00 HOUR	54.8 ^{1/}	48.2 **	53.8 ^{1/}	47.1 **	6.7
	08:00-09:00 HOUR	50.9 ^{1/}	48.2 **	47.9 ^{1/}	47.1 **	0.8
	09:00-10:00 HOUR	56.6 ^{1/}	48.2 **	56.1 ^{1/}	47.1 **	9.0
	10:00-11:00 HOUR	57.0 ^{1/}	48.2 **	56.5 ^{1/}	47.1 **	9.4
	11:00-12:00 HOUR	56.5 ^{1/}	48.2 **	56.0 ^{1/}	47.1 **	8.9
	12:00-13:00 HOUR	56.1 ^{1/}	48.2 **	55.6 ^{1/}	47.1 **	8.5
	13:00-14:00 HOUR	56.7 ^{1/}	48.2 **	56.2 ^{1/}	47.1 **	9.1

DATE	TIME*	RESULT (dB(A))				
		POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
MAY 2, 2022	DAY TIME ^{2/}					
T22AI371-0005	14:00-15:00 HOUR	56.9 ^{1/}	48.2 **	56.4 ^{1/}	47.1 **	9.3
	15:00-16:00 HOUR	55.5 ^{1/}	48.2 **	54.5 ^{1/}	47.1 **	7.4
	16:00-17:00 HOUR	50.6 ^{1/}	48.2 **	46.1 ^{1/}	47.1 **	NOT SIGNIFICANT ^{3/}
	17:00-18:00 HOUR	52.9 ^{1/}	48.2 **	51.4 ^{1/}	47.1 **	4.3
	18:00-19:00 HOUR	50.5 ^{1/}	48.2 **	46.0 ^{1/}	47.1 **	NOT SIGNIFICANT ^{3/}
	19:00-20:00 HOUR	51.3 ^{1/}	48.2 **	48.3 ^{1/}	47.1 **	1.2
	20:00-21:00 HOUR	48.5 ^{1/}	48.2 **	41.5 ^{1/}	47.1 **	NOT SIGNIFICANT ^{3/}
	21:00-22:00 HOUR	47.7 ^{1/}	48.2 **	40.7 ^{1/}	47.1 **	NOT SIGNIFICANT ^{3/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	47.8 ^{2/}	44.2 ***	48.8 ^{2/}	43.2 ***	5.6
	22:05-22:10 HOUR	48.0 ^{2/}	44.2 ***	49.0 ^{2/}	43.2 ***	5.8
	22:10-22:15 HOUR	47.9 ^{2/}	44.2 ***	48.9 ^{2/}	43.2 ***	5.7
	22:15-22:20 HOUR	48.2 ^{2/}	44.2 ***	49.2 ^{2/}	43.2 ***	6.0
	22:20-22:25 HOUR	48.0 ^{2/}	44.2 ***	49.0 ^{2/}	43.2 ***	5.8
	22:25-22:30 HOUR	48.0 ^{2/}	44.2 ***	49.0 ^{2/}	43.2 ***	5.8
	22:30-22:35 HOUR	47.3 ^{2/}	44.2 ***	47.3 ^{2/}	43.2 ***	4.1
	22:35-22:40 HOUR	47.4 ^{2/}	44.2 ***	47.4 ^{2/}	43.2 ***	4.2
	22:40-22:45 HOUR	47.0 ^{2/}	44.2 ***	47.0 ^{2/}	43.2 ***	3.8
	22:45-22:50 HOUR	47.3 ^{2/}	44.2 ***	47.3 ^{2/}	43.2 ***	4.1
	22:50-22:55 HOUR	47.5 ^{2/}	44.2 ***	47.5 ^{2/}	43.2 ***	4.3
	22:55-23:00 HOUR	47.5 ^{2/}	44.2 ***	47.5 ^{2/}	43.2 ***	4.3
	23:00-23:05 HOUR	47.3 ^{2/}	44.2 ***	47.3 ^{2/}	43.2 ***	4.1
	23:05-23:10 HOUR	47.3 ^{2/}	44.2 ***	47.3 ^{2/}	43.2 ***	4.1
	23:10-23:15 HOUR	47.6 ^{2/}	44.2 ***	47.6 ^{2/}	43.2 ***	4.4
	23:15-23:20 HOUR	47.6 ^{2/}	44.2 ***	47.6 ^{2/}	43.2 ***	4.4
	23:20-23:25 HOUR	47.3 ^{2/}	44.2 ***	47.3 ^{2/}	43.2 ***	4.1
	23:25-23:30 HOUR	47.4 ^{2/}	44.2 ***	47.4 ^{2/}	43.2 ***	4.2
	23:30-23:35 HOUR	47.4 ^{2/}	44.2 ***	47.4 ^{2/}	43.2 ***	4.2
	23:35-23:40 HOUR	47.2 ^{2/}	44.2 ***	47.2 ^{2/}	43.2 ***	4.0
	23:40-23:45 HOUR	47.1 ^{2/}	44.2 ***	47.1 ^{2/}	43.2 ***	3.9
	23:45-23:50 HOUR	47.3 ^{2/}	44.2 ***	47.3 ^{2/}	43.2 ***	4.1
	23:50-23:55 HOUR	47.2 ^{2/}	44.2 ***	47.2 ^{2/}	43.2 ***	4.0
	23:55-00:00 HOUR	47.2 ^{2/}	44.2 ***	47.2 ^{2/}	43.2 ***	4.0
MAY 3, 2022	NIGHT TIME ^{2/}					
T22AI371-0005	00:00-00:05 HOUR	47.3 ^{2/}	44.2 ***	47.3 ^{2/}	43.2 ***	4.1
	00:05-00:10 HOUR	47.6 ^{2/}	44.2 ***	47.6 ^{2/}	43.2 ***	4.4
	00:10-00:15 HOUR	47.2 ^{2/}	44.2 ***	47.2 ^{2/}	43.2 ***	4.0
	00:15-00:20 HOUR	48.0 ^{2/}	44.2 ***	49.0 ^{2/}	43.2 ***	5.8
	00:20-00:25 HOUR	46.9 ^{2/}	44.2 ***	46.9 ^{2/}	43.2 ***	3.7
	00:25-00:30 HOUR	47.4 ^{2/}	44.2 ***	47.4 ^{2/}	43.2 ***	4.2
	00:30-00:35 HOUR	48.6 ^{2/}	44.2 ***	49.6 ^{2/}	43.2 ***	6.4
	00:35-00:40 HOUR	50.1 ^{2/}	44.2 ***	51.6 ^{2/}	43.2 ***	8.4
	00:40-00:45 HOUR	47.3 ^{2/}	44.2 ***	47.3 ^{2/}	43.2 ***	4.1
	00:45-00:50 HOUR	45.6 ^{2/}	44.2 ***	41.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:50-00:55 HOUR	45.5 ^{2/}	44.2 ***	41.5 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}

DATE	TIME*	RESULT (dB(A))				
		POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
MAY 3, 2022	NIGHT TIME ^{2/}					
T22AI371-0005	00:55-01:00 HOUR	44.9 ^{2/}	44.2 ***	40.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:00-01:05 HOUR	46.2 ^{2/}	44.2 ***	44.7 ^{2/}	43.2 ***	1.5
	01:05-01:10 HOUR	45.5 ^{2/}	44.2 ***	41.5 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	44.7 ^{2/}	44.2 ***	40.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	48.6 ^{2/}	44.2 ***	49.6 ^{2/}	43.2 ***	6.4
	01:20-01:25 HOUR	45.2 ^{2/}	44.2 ***	41.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	47.8 ^{2/}	44.2 ***	48.8 ^{2/}	43.2 ***	5.6
	01:30-01:35 HOUR	46.0 ^{2/}	44.2 ***	44.5 ^{2/}	43.2 ***	1.3
	01:35-01:40 HOUR	44.7 ^{2/}	44.2 ***	40.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:40-01:45 HOUR	50.3 ^{2/}	44.2 ***	51.8 ^{2/}	43.2 ***	8.6
	01:45-01:50 HOUR	44.3 ^{2/}	44.2 ***	40.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:50-01:55 HOUR	44.0 ^{2/}	44.2 ***	40.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:55-02:00 HOUR	44.2 ^{2/}	44.2 ***	40.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:00-02:05 HOUR	48.7 ^{2/}	44.2 ***	50.2 ^{2/}	43.2 ***	7.0
	02:05-02:10 HOUR	44.1 ^{2/}	44.2 ***	40.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:10-02:15 HOUR	44.3 ^{2/}	44.2 ***	40.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:15-02:20 HOUR	44.1 ^{2/}	44.2 ***	40.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:20-02:25 HOUR	44.5 ^{2/}	44.2 ***	40.5 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	44.3 ^{2/}	44.2 ***	40.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:30-02:35 HOUR	45.1 ^{2/}	44.2 ***	41.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:35-02:40 HOUR	44.2 ^{2/}	44.2 ***	40.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:40-02:45 HOUR	44.6 ^{2/}	44.2 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:45-02:50 HOUR	44.7 ^{2/}	44.2 ***	40.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	44.4 ^{2/}	44.2 ***	40.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:55-03:00 HOUR	45.1 ^{2/}	44.2 ***	41.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:00-03:05 HOUR	45.7 ^{2/}	44.2 ***	44.2 ^{2/}	43.2 ***	1.0
	03:05-03:10 HOUR	47.2 ^{2/}	44.2 ***	47.2 ^{2/}	43.2 ***	4.0
	03:10-03:15 HOUR	47.2 ^{2/}	44.2 ***	47.2 ^{2/}	43.2 ***	4.0
	03:15-03:20 HOUR	47.0 ^{2/}	44.2 ***	47.0 ^{2/}	43.2 ***	3.8
	03:20-03:25 HOUR	47.8 ^{2/}	44.2 ***	48.8 ^{2/}	43.2 ***	5.6
	03:25-03:30 HOUR	47.4 ^{2/}	44.2 ***	47.4 ^{2/}	43.2 ***	4.2
	03:30-03:35 HOUR	47.7 ^{2/}	44.2 ***	48.7 ^{2/}	43.2 ***	5.5
	03:35-03:40 HOUR	47.4 ^{2/}	44.2 ***	47.4 ^{2/}	43.2 ***	4.2
	03:40-03:45 HOUR	47.9 ^{2/}	44.2 ***	48.9 ^{2/}	43.2 ***	5.7
	03:45-03:50 HOUR	47.9 ^{2/}	44.2 ***	48.9 ^{2/}	43.2 ***	5.7
	03:50-03:55 HOUR	47.7 ^{2/}	44.2 ***	48.7 ^{2/}	43.2 ***	5.5
	03:55-04:00 HOUR	47.5 ^{2/}	44.2 ***	47.5 ^{2/}	43.2 ***	4.3
	04:00-04:05 HOUR	47.8 ^{2/}	44.2 ***	48.8 ^{2/}	43.2 ***	5.6
	04:05-04:10 HOUR	48.3 ^{2/}	44.2 ***	49.3 ^{2/}	43.2 ***	6.1
	04:10-04:15 HOUR	48.1 ^{2/}	44.2 ***	49.1 ^{2/}	43.2 ***	5.9
	04:15-04:20 HOUR	49.0 ^{2/}	44.2 ***	50.5 ^{2/}	43.2 ***	7.3
	04:20-04:25 HOUR	50.1 ^{2/}	44.2 ***	51.6 ^{2/}	43.2 ***	8.4
	04:25-04:30 HOUR	50.0 ^{2/}	44.2 ***	51.5 ^{2/}	43.2 ***	8.3
	04:30-04:35 HOUR	50.0 ^{2/}	44.2 ***	51.5 ^{2/}	43.2 ***	8.3
	04:35-04:40 HOUR	50.6 ^{2/}	44.2 ***	52.1 ^{2/}	43.2 ***	8.9

DATE	TIME*	RESULT (dB(A))				
		POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
MAY 3, 2022	NIGHT TIME ^{2/}					
T22A1371-0005	04:40-04:45 HOUR	50.3 ^{2/}	44.2 ***	51.8 ^{2/}	43.2 ***	8.6
	04:45-04:50 HOUR	50.4 ^{2/}	44.2 ***	51.9 ^{2/}	43.2 ***	8.7
	04:50-04:55 HOUR	49.9 ^{2/}	44.2 ***	51.4 ^{2/}	43.2 ***	8.2
	04:55-05:00 HOUR	49.2 ^{2/}	44.2 ***	50.7 ^{2/}	43.2 ***	7.5
	05:00-05:05 HOUR	48.9 ^{2/}	44.2 ***	50.4 ^{2/}	43.2 ***	7.2
	05:05-05:10 HOUR	49.1 ^{2/}	44.2 ***	50.6 ^{2/}	43.2 ***	7.4
	05:10-05:15 HOUR	49.0 ^{2/}	44.2 ***	50.5 ^{2/}	43.2 ***	7.3
	05:15-05:20 HOUR	49.5 ^{2/}	44.2 ***	51.0 ^{2/}	43.2 ***	7.8
	05:20-05:25 HOUR	49.4 ^{2/}	44.2 ***	50.9 ^{2/}	43.2 ***	7.7
	05:25-05:30 HOUR	48.5 ^{2/}	44.2 ***	49.5 ^{2/}	43.2 ***	6.3
	05:30-05:35 HOUR	48.8 ^{2/}	44.2 ***	50.3 ^{2/}	43.2 ***	7.1
	05:35-05:40 HOUR	49.0 ^{2/}	44.2 ***	50.5 ^{2/}	43.2 ***	7.3
	05:40-05:45 HOUR	49.3 ^{2/}	44.2 ***	50.8 ^{2/}	43.2 ***	7.6
	05:45-05:50 HOUR	49.2 ^{2/}	44.2 ***	50.7 ^{2/}	43.2 ***	7.5
	05:50-05:55 HOUR	49.5 ^{2/}	44.2 ***	51.0 ^{2/}	43.2 ***	7.8
	05:55-06:00 HOUR	49.7 ^{2/}	44.2 ***	51.2 ^{2/}	43.2 ***	8.0
	DAY TIME ^{3/}					
	06:00-07:00 HOUR	51.6 ^{1/}	48.2 **	48.6 ^{1/}	47.1 **	1.5
MAY 3, 2022	DAY TIME ^{3/}					
T22A1371-0006	07:00-08:00 HOUR	49.5 ^{1/}	49.6 **	42.5 ^{1/}	45.7 **	NOT SIGNIFICANT ^{3/}
	08:00-09:00 HOUR	53.4 ^{1/}	49.6 **	51.4 ^{1/}	45.7 **	5.7
	09:00-10:00 HOUR	54.7 ^{1/}	49.6 **	53.2 ^{1/}	45.7 **	7.5
	10:00-11:00 HOUR	55.1 ^{1/}	49.6 **	53.6 ^{1/}	45.7 **	7.9
	11:00-12:00 HOUR	54.8 ^{1/}	49.6 **	53.3 ^{1/}	45.7 **	7.6
	12:00-13:00 HOUR	53.3 ^{1/}	49.6 **	51.3 ^{1/}	45.7 **	5.6
	13:00-14:00 HOUR	55.2 ^{1/}	49.6 **	53.7 ^{1/}	45.7 **	8.0
	14:00-15:00 HOUR	55.1 ^{1/}	49.6 **	53.6 ^{1/}	45.7 **	7.9
	15:00-16:00 HOUR	50.5 ^{1/}	49.6 **	43.5 ^{1/}	45.7 **	NOT SIGNIFICANT ^{3/}
	16:00-17:00 HOUR	53.7 ^{1/}	49.6 **	51.7 ^{1/}	45.7 **	6.0
	17:00-18:00 HOUR	52.1 ^{1/}	49.6 **	49.1 ^{1/}	45.7 **	3.4
	18:00-19:00 HOUR	47.5 ^{1/}	49.6 **	40.5 ^{1/}	45.7 **	NOT SIGNIFICANT ^{3/}
	19:00-20:00 HOUR	49.3 ^{1/}	49.6 **	42.3 ^{1/}	45.7 **	NOT SIGNIFICANT ^{3/}
	20:00-21:00 HOUR	50.3 ^{1/}	49.6 **	43.3 ^{1/}	45.7 **	NOT SIGNIFICANT ^{3/}
	21:00-22:00 HOUR	49.2 ^{1/}	49.6 **	42.2 ^{1/}	45.7 **	NOT SIGNIFICANT ^{3/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	48.2 ^{2/}	44.8 ***	48.2 ^{2/}	43.2 ***	5.0
	22:05-22:10 HOUR	48.1 ^{2/}	44.8 ***	48.1 ^{2/}	43.2 ***	4.9
	22:10-22:15 HOUR	48.6 ^{2/}	44.8 ***	49.6 ^{2/}	43.2 ***	6.4
	22:15-22:20 HOUR	48.6 ^{2/}	44.8 ***	49.6 ^{2/}	43.2 ***	6.4
	22:20-22:25 HOUR	50.1 ^{2/}	44.8 ***	51.6 ^{2/}	43.2 ***	8.4
	22:25-22:30 HOUR	50.4 ^{2/}	44.8 ***	51.9 ^{2/}	43.2 ***	8.7
	22:30-22:35 HOUR	50.3 ^{2/}	44.8 ***	51.8 ^{2/}	43.2 ***	8.6
	22:35-22:40 HOUR	48.9 ^{2/}	44.8 ***	49.9 ^{2/}	43.2 ***	6.7
	22:40-22:45 HOUR	50.9 ^{2/}	44.8 ***	52.4 ^{2/}	43.2 ***	9.2
	22:45-22:50 HOUR	50.0 ^{2/}	44.8 ***	51.5 ^{2/}	43.2 ***	8.3

DATE	TIME*	RESULT (dB(A))				
		POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
MAY 3, 2022	NIGHT TIME ^{2/}					
T22A1371-0006	22:50-22:55 HOUR	50.0 ^{2/}	44.8 ***	51.5 ^{2/}	43.2 ***	8.3
	22:55-23:00 HOUR	49.9 ^{2/}	44.8 ***	51.4 ^{2/}	43.2 ***	8.2
	23:00-23:05 HOUR	49.4 ^{2/}	44.8 ***	50.9 ^{2/}	43.2 ***	7.7
	23:05-23:10 HOUR	49.3 ^{2/}	44.8 ***	50.8 ^{2/}	43.2 ***	7.6
	23:10-23:15 HOUR	49.9 ^{2/}	44.8 ***	51.4 ^{2/}	43.2 ***	8.2
	23:15-23:20 HOUR	49.6 ^{2/}	44.8 ***	51.1 ^{2/}	43.2 ***	7.9
	23:20-23:25 HOUR	49.4 ^{2/}	44.8 ***	50.9 ^{2/}	43.2 ***	7.7
	23:25-23:30 HOUR	49.2 ^{2/}	44.8 ***	50.2 ^{2/}	43.2 ***	7.0
	23:30-23:35 HOUR	48.9 ^{2/}	44.8 ***	49.9 ^{2/}	43.2 ***	6.7
	23:35-23:40 HOUR	48.7 ^{2/}	44.8 ***	49.7 ^{2/}	43.2 ***	6.5
	23:40-23:45 HOUR	48.0 ^{2/}	44.8 ***	48.0 ^{2/}	43.2 ***	4.8
	23:45-23:50 HOUR	44.5 ^{2/}	44.8 ***	40.5 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{2/}
	23:50-23:55 HOUR	46.9 ^{2/}	44.8 ***	45.4 ^{2/}	43.2 ***	2.2
	23:55-00:00 HOUR	46.5 ^{2/}	44.8 ***	45.0 ^{2/}	43.2 ***	1.8
MAY 4, 2022	NIGHT TIME ^{2/}					
T22A1371-0006	00:00-00:05 HOUR	47.5 ^{2/}	44.8 ***	47.5 ^{2/}	43.2 ***	4.3
	00:05-00:10 HOUR	46.2 ^{2/}	44.8 ***	42.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{2/}
	00:10-00:15 HOUR	46.2 ^{2/}	44.8 ***	42.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{2/}
	00:15-00:20 HOUR	45.4 ^{2/}	44.8 ***	41.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{2/}
	00:20-00:25 HOUR	45.0 ^{2/}	44.8 ***	41.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{2/}
	00:25-00:30 HOUR	48.0 ^{2/}	44.8 ***	48.0 ^{2/}	43.2 ***	4.8
	00:30-00:35 HOUR	48.0 ^{2/}	44.8 ***	48.0 ^{2/}	43.2 ***	4.8
	00:35-00:40 HOUR	49.6 ^{2/}	44.8 ***	51.1 ^{2/}	43.2 ***	7.9
	00:40-00:45 HOUR	48.7 ^{2/}	44.8 ***	49.7 ^{2/}	43.2 ***	6.5
	00:45-00:50 HOUR	48.9 ^{2/}	44.8 ***	49.9 ^{2/}	43.2 ***	6.7
	00:50-00:55 HOUR	49.4 ^{2/}	44.8 ***	50.9 ^{2/}	43.2 ***	7.7
	00:55-01:00 HOUR	49.2 ^{2/}	44.8 ***	50.2 ^{2/}	43.2 ***	7.0
	01:00-01:05 HOUR	49.4 ^{2/}	44.8 ***	50.9 ^{2/}	43.2 ***	7.7
	01:05-01:10 HOUR	49.1 ^{2/}	44.8 ***	50.1 ^{2/}	43.2 ***	6.9
	01:10-01:15 HOUR	48.5 ^{2/}	44.8 ***	49.5 ^{2/}	43.2 ***	6.3
	01:15-01:20 HOUR	48.3 ^{2/}	44.8 ***	49.3 ^{2/}	43.2 ***	6.1
	01:20-01:25 HOUR	48.6 ^{2/}	44.8 ***	49.6 ^{2/}	43.2 ***	6.4
	01:25-01:30 HOUR	48.2 ^{2/}	44.8 ***	48.2 ^{2/}	43.2 ***	5.0
	01:30-01:35 HOUR	49.3 ^{2/}	44.8 ***	50.8 ^{2/}	43.2 ***	7.6
	01:35-01:40 HOUR	49.4 ^{2/}	44.8 ***	50.9 ^{2/}	43.2 ***	7.7
	01:40-01:45 HOUR	48.6 ^{2/}	44.8 ***	49.6 ^{2/}	43.2 ***	6.4
	01:45-01:50 HOUR	49.3 ^{2/}	44.8 ***	50.8 ^{2/}	43.2 ***	7.6
	01:50-01:55 HOUR	49.1 ^{2/}	44.8 ***	50.1 ^{2/}	43.2 ***	6.9
	01:55-02:00 HOUR	49.7 ^{2/}	44.8 ***	51.2 ^{2/}	43.2 ***	8.0
	02:00-02:05 HOUR	49.5 ^{2/}	44.8 ***	51.0 ^{2/}	43.2 ***	7.8
	02:05-02:10 HOUR	50.2 ^{2/}	44.8 ***	51.7 ^{2/}	43.2 ***	8.5
	02:10-02:15 HOUR	49.8 ^{2/}	44.8 ***	51.3 ^{2/}	43.2 ***	8.1
	02:15-02:20 HOUR	49.8 ^{2/}	44.8 ***	51.3 ^{2/}	43.2 ***	8.1
	02:20-02:25 HOUR	48.4 ^{2/}	44.8 ***	49.4 ^{2/}	43.2 ***	6.2
	02:25-02:30 HOUR	48.4 ^{2/}	44.8 ***	49.4 ^{2/}	43.2 ***	6.2

DATE	TIME*	RESULT (dB(A))				
		POARJHC 2 : PA RA RAI THONG TEMPLE (UTM WGS 84 ZONE 47P 727036E 1731971N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
MAY 4, 2022 T22AIB71-0006	NIGHT TIME ^{2/}					
	02:30-02:35 HOUR	47.5 ^{2/}	44.8 ***	47.5 ^{2/}	43.2 ***	4.3
	02:35-02:40 HOUR	49.0 ^{2/}	44.8 ***	50.0 ^{2/}	43.2 ***	6.8
	02:40-02:45 HOUR	49.4 ^{2/}	44.8 ***	50.9 ^{2/}	43.2 ***	7.7
	02:45-02:50 HOUR	48.7 ^{2/}	44.8 ***	49.7 ^{2/}	43.2 ***	6.5
	02:50-02:55 HOUR	49.5 ^{2/}	44.8 ***	51.0 ^{2/}	43.2 ***	7.8
	02:55-03:00 HOUR	49.4 ^{2/}	44.8 ***	50.9 ^{2/}	43.2 ***	7.7
	03:00-03:05 HOUR	48.7 ^{2/}	44.8 ***	49.7 ^{2/}	43.2 ***	6.5
	03:05-03:10 HOUR	49.0 ^{2/}	44.8 ***	50.0 ^{2/}	43.2 ***	6.8
	03:10-03:15 HOUR	48.6 ^{2/}	44.8 ***	49.6 ^{2/}	43.2 ***	6.4
	03:15-03:20 HOUR	49.3 ^{2/}	44.8 ***	50.8 ^{2/}	43.2 ***	7.6
	03:20-03:25 HOUR	48.2 ^{2/}	44.8 ***	48.2 ^{2/}	43.2 ***	5.0
	03:25-03:30 HOUR	45.3 ^{2/}	44.8 ***	41.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:30-03:35 HOUR	45.6 ^{2/}	44.8 ***	41.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:35-03:40 HOUR	44.9 ^{2/}	44.8 ***	40.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:40-03:45 HOUR	43.6 ^{2/}	44.8 ***	39.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:45-03:50 HOUR	43.0 ^{2/}	44.8 ***	39.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:50-03:55 HOUR	43.9 ^{2/}	44.8 ***	39.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:55-04:00 HOUR	46.6 ^{2/}	44.8 ***	45.1 ^{2/}	43.2 ***	1.9
	04:00-04:05 HOUR	47.1 ^{2/}	44.8 ***	45.6 ^{2/}	43.2 ***	2.4
	04:05-04:10 HOUR	47.6 ^{2/}	44.8 ***	47.6 ^{2/}	43.2 ***	4.4
	04:10-04:15 HOUR	48.6 ^{2/}	44.8 ***	49.6 ^{2/}	43.2 ***	6.4
	04:15-04:20 HOUR	46.5 ^{2/}	44.8 ***	45.0 ^{2/}	43.2 ***	1.8
	04:20-04:25 HOUR	48.7 ^{2/}	44.8 ***	49.7 ^{2/}	43.2 ***	6.5
	04:25-04:30 HOUR	49.8 ^{2/}	44.8 ***	51.3 ^{2/}	43.2 ***	8.1
	04:30-04:35 HOUR	48.7 ^{2/}	44.8 ***	49.7 ^{2/}	43.2 ***	6.5
	04:35-04:40 HOUR	44.8 ^{2/}	44.8 ***	40.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:40-04:45 HOUR	43.8 ^{2/}	44.8 ***	39.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:45-04:50 HOUR	44.2 ^{2/}	44.8 ***	40.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:50-04:55 HOUR	44.8 ^{2/}	44.8 ***	40.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:55-05:00 HOUR	44.7 ^{2/}	44.8 ***	40.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:00-05:05 HOUR	44.9 ^{2/}	44.8 ***	40.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:05-05:10 HOUR	47.4 ^{2/}	44.8 ***	47.4 ^{2/}	43.2 ***	4.2
	05:10-05:15 HOUR	47.6 ^{2/}	44.8 ***	47.6 ^{2/}	43.2 ***	4.4
	05:15-05:20 HOUR	45.3 ^{2/}	44.8 ***	41.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:20-05:25 HOUR	45.5 ^{2/}	44.8 ***	41.5 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:25-05:30 HOUR	45.5 ^{2/}	44.8 ***	41.5 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:30-05:35 HOUR	47.5 ^{2/}	44.8 ***	47.5 ^{2/}	43.2 ***	4.3
	05:35-05:40 HOUR	49.9 ^{2/}	44.8 ***	51.4 ^{2/}	43.2 ***	8.2
	05:40-05:45 HOUR	51.1 ^{2/}	44.8 ***	52.6 ^{2/}	43.2 ***	9.4
	05:45-05:50 HOUR	51.0 ^{2/}	44.8 ***	52.5 ^{2/}	43.2 ***	9.3
	05:50-05:55 HOUR	49.2 ^{2/}	44.8 ***	50.2 ^{2/}	43.2 ***	7.0
	05:55-06:00 HOUR	49.5 ^{2/}	44.8 ***	51.0 ^{2/}	43.2 ***	7.8
	DAY TIME ^{1/}					
	06:00-07:00 HOUR	47.2 ^{1/}	49.6 **	40.2 ^{1/}	45.7 **	NOT SIGNIFICANT ^{3/}

REMARK : 1/ 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.
2/ 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.
3/ 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

MAY 17, 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
MEASURING SOURCE : POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)
MEASURING TYPE : AMBIENT (NOISE) **RECEIVED DATE** : FEBRUARY 24-27, 2022
MEASURING DATE : FEBRUARY 24-27, 2022 **ANALYTICAL DATE** : FEBRUARY 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U017972
MEASURING METHOD : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2022-001204
MEASURED BY : MR PREEDA CHATYAPOOMSAKUL **ANALYSIS NO.** : T22AD979-0010 - T22AD979-0012

RESULT dB(A)

POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)

FEBRUARY 24-25, 2022

T22AD979-0010

TIME*	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	51.2	70.1	45.5
08:00-09:00 HOUR	51.8	70.1	45.8
09:00-10:00 HOUR	50.5	72.1	46.0
10:00-11:00 HOUR	50.5	71.9	46.5
11:00-12:00 HOUR	53.4	64.6	49.3
12:00-13:00 HOUR	52.2	67.9	48.3
13:00-14:00 HOUR	52.8	66.3	50.1
14:00-15:00 HOUR	53.2	59.5	52.3
15:00-16:00 HOUR	53.4	57.9	50.5
16:00-17:00 HOUR	57.6	61.8	56.1
17:00-18:00 HOUR	57.7	63.0	55.8
18:00-19:00 HOUR	57.8	60.5	57.1
19:00-20:00 HOUR	57.3	59.8	57.0
20:00-21:00 HOUR	53.9	60.4	50.9
21:00-22:00 HOUR	53.9	60.6	50.9
22:00-23:00 HOUR	54.5	62.6	52.0
23:00-00:00 HOUR	53.4	65.6	50.8
00:00-01:00 HOUR	51.5	70.9	48.9
01:00-02:00 HOUR	50.1	67.8	41.6
02:00-03:00 HOUR	49.6	73.1	42.3
03:00-04:00 HOUR	49.0	76.6	44.8
04:00-05:00 HOUR	50.4	77.6	45.0
05:00-06:00 HOUR	50.1	76.7	45.8
06:00-07:00 HOUR	49.5	72.1	46.4
L _{Aeq} 24 hours		53.6	
L _{Adn}		58.4	

RESULT dB(A)

POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)

FEBRUARY 25-26, 2022

T22AD979-0011

TIME*	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	50.0	73.2	45.1
08:00-09:00 HOUR	50.2	77.2	42.2
09:00-10:00 HOUR	49.3	71.6	41.8
10:00-11:00 HOUR	49.9	71.5	45.4
11:00-12:00 HOUR	48.9	71.1	44.3
12:00-13:00 HOUR	51.1	67.8	47.3
13:00-14:00 HOUR	51.8	57.9	49.1
14:00-15:00 HOUR	51.4	60.7	47.8
15:00-16:00 HOUR	51.3	61.7	47.1
16:00-17:00 HOUR	50.7	60.3	47.0
17:00-18:00 HOUR	50.0	60.6	46.4
18:00-19:00 HOUR	49.5	60.0	44.6
19:00-20:00 HOUR	49.5	72.1	45.3
20:00-21:00 HOUR	49.7	61.1	45.0
21:00-22:00 HOUR	49.6	58.2	45.8
22:00-23:00 HOUR	50.4	56.1	46.8
23:00-00:00 HOUR	50.2	62.5	48.5
00:00-01:00 HOUR	49.2	67.0	44.5
01:00-02:00 HOUR	46.1	65.1	42.2
02:00-03:00 HOUR	46.1	66.7	41.8
03:00-04:00 HOUR	46.6	76.0	41.9
04:00-05:00 HOUR	46.5	68.1	41.3
05:00-06:00 HOUR	46.5	66.7	42.3
06:00-07:00 HOUR	46.9	67.5	42.3
L _{Aeq} 24 hours		49.5	
L _{Adn}		54.8	



TIME*	RESULT dB(A)		
	POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)		
	FEBRUARY 26-27, 2022		
	T22AD979-0012		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	44.5	64.2	41.0
08:00-09:00 HOUR	45.2	70.5	42.1
09:00-10:00 HOUR	46.2	65.0	41.8
10:00-11:00 HOUR	46.6	69.5	43.2
11:00-12:00 HOUR	46.7	63.0	43.2
12:00-13:00 HOUR	50.7	68.4	47.7
13:00-14:00 HOUR	51.2	60.9	48.5
14:00-15:00 HOUR	51.2	61.7	47.8
15:00-16:00 HOUR	51.3	59.3	48.4
16:00-17:00 HOUR	49.6	59.0	47.4
17:00-18:00 HOUR	49.4	62.1	45.3
18:00-19:00 HOUR	46.1	55.8	42.8
19:00-20:00 HOUR	48.8	55.1	46.8
20:00-21:00 HOUR	48.7	55.3	47.7
21:00-22:00 HOUR	47.2	56.4	43.5
22:00-23:00 HOUR	49.5	55.9	45.7
23:00-00:00 HOUR	50.0	58.3	47.4
00:00-01:00 HOUR	47.8	68.0	43.9
01:00-02:00 HOUR	47.1	67.2	42.5
02:00-03:00 HOUR	47.4	67.0	42.9
03:00-04:00 HOUR	50.0	73.9	43.2
04:00-05:00 HOUR	49.4	72.8	44.4
05:00-06:00 HOUR	48.6	69.5	45.6
06:00-07:00 HOUR	47.6	68.0	44.9
L _{Aeq} 24 hours	48.8		
L _{Adn}	55.2		


(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

MARCH 14, 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 : POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)
MEASURING TYPE : AMBIENT (ANNOYANCE NOISE) **RECEIVED DATE** : FEBRUARY 24-27, 2022
MEASURING DATE : FEBRUARY 24-27, 2022 **ANALYTICAL DATE** : FEBRUARY 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U017974
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION **WORK NO.** : 2022-001204
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL **ANALYSIS NO.** : T22AD979-0010 - T22AD979-0012

DATE	TIME*	RESULT (dB(A))				
		POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 24, 2022 T22AD979-0010	DAY TIME ^{1/}					
	07:00-08:00 HOUR	51.2 ^{1/}	51.9 **	44.2 ^{1/}	50.2 **	NOT SIGNIFICANT ^{1/}
	08:00-09:00 HOUR	51.8 ^{1/}	51.9 **	44.8 ^{1/}	50.2 **	NOT SIGNIFICANT ^{1/}
	09:00-10:00 HOUR	50.5 ^{1/}	51.9 **	43.5 ^{1/}	50.2 **	NOT SIGNIFICANT ^{1/}
	10:00-11:00 HOUR	50.5 ^{1/}	51.9 **	43.5 ^{1/}	50.2 **	NOT SIGNIFICANT ^{1/}
	11:00-12:00 HOUR	53.4 ^{1/}	51.9 **	48.9 ^{1/}	50.2 **	NOT SIGNIFICANT ^{1/}
	12:00-13:00 HOUR	52.2 ^{1/}	51.9 **	45.2 ^{1/}	50.2 **	NOT SIGNIFICANT ^{1/}
	13:00-14:00 HOUR	52.8 ^{1/}	51.9 **	45.8 ^{1/}	50.2 **	NOT SIGNIFICANT ^{1/}
	14:00-15:00 HOUR	53.2 ^{1/}	51.9 **	46.2 ^{1/}	50.2 **	NOT SIGNIFICANT ^{1/}
	15:00-16:00 HOUR	53.4 ^{1/}	51.9 **	48.9 ^{1/}	50.2 **	NOT SIGNIFICANT ^{1/}
	16:00-17:00 HOUR	57.6 ^{1/}	51.9 **	56.1 ^{1/}	50.2 **	5.9
	17:00-18:00 HOUR	57.7 ^{1/}	51.9 **	56.2 ^{1/}	50.2 **	6.0
	18:00-19:00 HOUR	57.8 ^{1/}	51.9 **	56.3 ^{1/}	50.2 **	6.1
	19:00-20:00 HOUR	57.3 ^{1/}	51.9 **	55.8 ^{1/}	50.2 **	5.6
	20:00-21:00 HOUR	53.9 ^{1/}	51.9 **	49.4 ^{1/}	50.2 **	NOT SIGNIFICANT ^{1/}
	21:00-22:00 HOUR	53.9 ^{1/}	51.9 **	49.4 ^{1/}	50.2 **	NOT SIGNIFICANT ^{1/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	52.3 ^{2/}	50.9 ***	48.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{1/}
	22:05-22:10 HOUR	51.6 ^{2/}	50.9 ***	47.6 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{1/}
	22:10-22:15 HOUR	55.3 ^{2/}	50.9 ***	56.3 ^{2/}	48.5 ***	7.8
	22:15-22:20 HOUR	55.0 ^{2/}	50.9 ***	56.0 ^{2/}	48.5 ***	7.5
	22:20-22:25 HOUR	55.8 ^{2/}	50.9 ***	57.3 ^{2/}	48.5 ***	8.8
	22:25-22:30 HOUR	54.6 ^{2/}	50.9 ***	55.6 ^{2/}	48.5 ***	7.1
	22:30-22:35 HOUR	54.6 ^{2/}	50.9 ***	55.6 ^{2/}	48.5 ***	7.1
	22:35-22:40 HOUR	56.2 ^{2/}	50.9 ***	57.7 ^{2/}	48.5 ***	9.2
	22:40-22:45 HOUR	54.6 ^{2/}	50.9 ***	55.6 ^{2/}	48.5 ***	7.1
	22:45-22:50 HOUR	53.7 ^{2/}	50.9 ***	53.7 ^{2/}	48.5 ***	5.2
	22:50-22:55 HOUR	53.9 ^{2/}	50.9 ***	53.9 ^{2/}	48.5 ***	5.4
	22:55-23:00 HOUR	53.9 ^{2/}	50.9 ***	53.9 ^{2/}	48.5 ***	5.4
	23:00-23:05 HOUR	54.3 ^{2/}	50.9 ***	54.3 ^{2/}	48.5 ***	5.8
	23:05-23:10 HOUR	54.0 ^{2/}	50.9 ***	54.0 ^{2/}	48.5 ***	5.5
	23:10-23:15 HOUR	52.3 ^{2/}	50.9 ***	48.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{1/}
	23:15-23:20 HOUR	53.1 ^{2/}	50.9 ***	51.6 ^{2/}	48.5 ***	3.1
	23:20-23:25 HOUR	52.1 ^{2/}	50.9 ***	48.1 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{1/}





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NSC-TISI-TIS 17025
TESTING 0207

DATE	TIME*	RESULT (dB(A))				
		POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 24, 2022 T22AD979-0010	NIGHT TIME ^{2/}					
	23:25-23:30 HOUR	54.4 ^{2/}	50.9 ***	54.4 ^{2/}	48.5 ***	5.9
	23:30-23:35 HOUR	52.3 ^{2/}	50.9 ***	48.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	23:35-23:40 HOUR	54.3 ^{2/}	50.9 ***	54.3 ^{2/}	48.5 ***	5.8
	23:40-23:45 HOUR	52.8 ^{2/}	50.9 ***	51.3 ^{2/}	48.5 ***	2.8
	23:45-23:50 HOUR	53.3 ^{2/}	50.9 ***	51.8 ^{2/}	48.5 ***	3.3
	23:50-23:55 HOUR	53.8 ^{2/}	50.9 ***	53.8 ^{2/}	48.5 ***	5.3
FEBRUARY 25, 2022 T22AD979-0010	23:55-00:00 HOUR	53.2 ^{2/}	50.9 ***	51.7 ^{2/}	48.5 ***	3.2
	NIGHT TIME ^{2/}					
	00:00-00:05 HOUR	52.7 ^{2/}	50.9 ***	51.2 ^{2/}	48.5 ***	2.7
	00:05-00:10 HOUR	52.4 ^{2/}	50.9 ***	48.4 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	00:10-00:15 HOUR	51.7 ^{2/}	50.9 ***	47.7 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	00:15-00:20 HOUR	51.2 ^{2/}	50.9 ***	47.2 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	00:20-00:25 HOUR	50.8 ^{2/}	50.9 ***	46.8 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	00:25-00:30 HOUR	51.2 ^{2/}	50.9 ***	47.2 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	00:30-00:35 HOUR	52.0 ^{2/}	50.9 ***	48.0 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	00:35-00:40 HOUR	50.3 ^{2/}	50.9 ***	46.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	00:40-00:45 HOUR	51.8 ^{2/}	50.9 ***	47.8 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	00:45-00:50 HOUR	52.7 ^{2/}	50.9 ***	51.2 ^{2/}	48.5 ***	2.7
	00:50-00:55 HOUR	50.5 ^{2/}	50.9 ***	46.5 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	00:55-01:00 HOUR	49.7 ^{2/}	50.9 ***	45.7 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	01:00-01:05 HOUR	51.3 ^{2/}	50.9 ***	47.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	01:05-01:10 HOUR	52.2 ^{2/}	50.9 ***	48.2 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	50.6 ^{2/}	50.9 ***	46.6 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	52.2 ^{2/}	50.9 ***	48.2 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	01:20-01:25 HOUR	51.6 ^{2/}	50.9 ***	47.6 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	49.4 ^{2/}	50.9 ***	45.4 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	01:30-01:35 HOUR	48.6 ^{2/}	50.9 ***	44.6 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	50.3 ^{2/}	50.9 ***	46.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	01:40-01:45 HOUR	49.1 ^{2/}	50.9 ***	45.1 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	01:45-01:50 HOUR	47.6 ^{2/}	50.9 ***	43.6 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	01:50-01:55 HOUR	46.3 ^{2/}	50.9 ***	42.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	01:55-02:00 HOUR	48.0 ^{2/}	50.9 ***	44.0 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	02:00-02:05 HOUR	47.3 ^{2/}	50.9 ***	43.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	50.4 ^{2/}	50.9 ***	46.4 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	02:10-02:15 HOUR	47.4 ^{2/}	50.9 ***	43.4 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	02:15-02:20 HOUR	49.7 ^{2/}	50.9 ***	45.7 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	02:20-02:25 HOUR	47.6 ^{2/}	50.9 ***	43.6 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	51.8 ^{2/}	50.9 ***	47.8 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	02:30-02:35 HOUR	46.4 ^{2/}	50.9 ***	42.4 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	02:35-02:40 HOUR	52.0 ^{2/}	50.9 ***	48.0 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	02:40-02:45 HOUR	47.7 ^{2/}	50.9 ***	43.7 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	02:45-02:50 HOUR	49.3 ^{2/}	50.9 ***	45.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	50.8 ^{2/}	50.9 ***	46.8 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	02:55-03:00 HOUR	49.8 ^{2/}	50.9 ***	45.8 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	03:00-03:05 HOUR	48.7 ^{2/}	50.9 ***	44.7 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}

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2022-U017974



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NSC-TISI-TIS 17025
TESTING 0207

DATE	TIME*	RESULT (dB(A))				
		POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 25, 2022 T22AD979-0010	NIGHT TIME ^{2/}					
	03:05-03:10 HOUR	50.4 ^{2/}	50.9 ***	46.4 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	03:10-03:15 HOUR	49.4 ^{2/}	50.9 ***	45.4 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	03:15-03:20 HOUR	49.6 ^{2/}	50.9 ***	45.6 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	03:20-03:25 HOUR	48.2 ^{2/}	50.9 ***	44.2 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	03:25-03:30 HOUR	46.8 ^{2/}	50.9 ***	42.8 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	03:30-03:35 HOUR	47.1 ^{2/}	50.9 ***	43.1 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	03:35-03:40 HOUR	48.5 ^{2/}	50.9 ***	44.5 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	03:40-03:45 HOUR	47.6 ^{2/}	50.9 ***	43.6 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	03:45-03:50 HOUR	51.0 ^{2/}	50.9 ***	47.0 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	03:50-03:55 HOUR	49.0 ^{2/}	50.9 ***	45.0 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	03:55-04:00 HOUR	49.4 ^{2/}	50.9 ***	45.4 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	04:00-04:05 HOUR	51.1 ^{2/}	50.9 ***	47.1 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	04:05-04:10 HOUR	51.4 ^{2/}	50.9 ***	47.4 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	04:10-04:15 HOUR	50.0 ^{2/}	50.9 ***	46.0 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	04:15-04:20 HOUR	48.5 ^{2/}	50.9 ***	44.5 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	04:20-04:25 HOUR	51.3 ^{2/}	50.9 ***	47.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	04:25-04:30 HOUR	51.8 ^{2/}	50.9 ***	47.8 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	04:30-04:35 HOUR	51.3 ^{2/}	50.9 ***	47.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	04:35-04:40 HOUR	46.5 ^{2/}	50.9 ***	42.5 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	04:40-04:45 HOUR	51.2 ^{2/}	50.9 ***	47.2 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	04:45-04:50 HOUR	51.4 ^{2/}	50.9 ***	47.4 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	04:50-04:55 HOUR	47.3 ^{2/}	50.9 ***	43.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	04:55-05:00 HOUR	49.3 ^{2/}	50.9 ***	45.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	05:00-05:05 HOUR	51.4 ^{2/}	50.9 ***	47.4 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	05:05-05:10 HOUR	48.7 ^{2/}	50.9 ***	44.7 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	05:10-05:15 HOUR	46.2 ^{2/}	50.9 ***	42.2 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	05:15-05:20 HOUR	50.7 ^{2/}	50.9 ***	46.7 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	05:20-05:25 HOUR	52.1 ^{2/}	50.9 ***	48.1 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	05:25-05:30 HOUR	50.1 ^{2/}	50.9 ***	46.1 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	05:30-05:35 HOUR	51.1 ^{2/}	50.9 ***	47.1 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	05:35-05:40 HOUR	47.3 ^{2/}	50.9 ***	43.3 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	05:40-05:45 HOUR	50.0 ^{2/}	50.9 ***	46.0 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	05:45-05:50 HOUR	51.0 ^{2/}	50.9 ***	47.0 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	05:50-05:55 HOUR	48.2 ^{2/}	50.9 ***	44.2 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	05:55-06:00 HOUR	50.6 ^{2/}	50.9 ***	46.6 ^{2/}	48.5 ***	NOT SIGNIFICANT ^{3/}
	DAY TIME ^{1/}					
	06:00-07:00 HOUR	49.5 ^{1/}	51.9 **	42.5 ^{1/}	50.2 **	NOT SIGNIFICANT ^{3/}
FEBRUARY 25, 2022 T22AD979-0011	DAY TIME ^{1/}					
	07:00-08:00 HOUR	50.0 ^{1/}	48.6 **	43.0 ^{1/}	44.6 **	NOT SIGNIFICANT ^{3/}
	08:00-09:00 HOUR	50.2 ^{1/}	48.6 **	45.7 ^{1/}	44.6 **	1.1
	09:00-10:00 HOUR	49.3 ^{1/}	48.6 **	42.3 ^{1/}	44.6 **	NOT SIGNIFICANT ^{3/}
	10:00-11:00 HOUR	49.9 ^{1/}	48.6 **	42.9 ^{1/}	44.6 **	NOT SIGNIFICANT ^{3/}
	11:00-12:00 HOUR	48.9 ^{1/}	48.6 **	41.9 ^{1/}	44.6 **	NOT SIGNIFICANT ^{3/}
	12:00-13:00 HOUR	51.1 ^{1/}	48.6 **	48.1 ^{1/}	44.6 **	3.5
	13:00-14:00 HOUR	51.8 ^{1/}	48.6 **	48.8 ^{1/}	44.6 **	4.2

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2022-U017974

DATE	TIME*	RESULT (dB(A))				
		POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 25, 2022 T22AD979-0011	DAY TIME ^{1/}					
	14:00-15:00 HOUR	51.4 ^{1/}	48.6 **	48.4 ^{1/}	44.6 **	3.8
	15:00-16:00 HOUR	51.3 ^{1/}	48.6 **	48.3 ^{1/}	44.6 **	3.7
	16:00-17:00 HOUR	50.7 ^{1/}	48.6 **	46.2 ^{1/}	44.6 **	1.6
	17:00-18:00 HOUR	50.0 ^{1/}	48.6 **	43.0 ^{1/}	44.6 **	NOT SIGNIFICANT ^{2/}
	18:00-19:00 HOUR	49.5 ^{1/}	48.6 **	42.5 ^{1/}	44.6 **	NOT SIGNIFICANT ^{2/}
	19:00-20:00 HOUR	49.5 ^{1/}	48.6 **	42.5 ^{1/}	44.6 **	NOT SIGNIFICANT ^{2/}
	20:00-21:00 HOUR	49.7 ^{1/}	48.6 **	42.7 ^{1/}	44.6 **	NOT SIGNIFICANT ^{2/}
	21:00-22:00 HOUR	49.6 ^{1/}	48.6 **	42.6 ^{1/}	44.6 **	NOT SIGNIFICANT ^{2/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	50.5 ^{2/}	48.4 ***	49.0 ^{2/}	45.0 ***	4.0
	22:05-22:10 HOUR	49.4 ^{2/}	48.4 ***	45.4 ^{2/}	45.0 ***	0.4
	22:10-22:15 HOUR	49.2 ^{2/}	48.4 ***	45.2 ^{2/}	45.0 ***	0.2
	22:15-22:20 HOUR	50.0 ^{2/}	48.4 ***	48.5 ^{2/}	45.0 ***	3.5
	22:20-22:25 HOUR	51.8 ^{2/}	48.4 ***	51.8 ^{2/}	45.0 ***	6.8
	22:25-22:30 HOUR	49.6 ^{2/}	48.4 ***	45.6 ^{2/}	45.0 ***	0.6
	22:30-22:35 HOUR	50.6 ^{2/}	48.4 ***	49.1 ^{2/}	45.0 ***	4.1
	22:35-22:40 HOUR	51.3 ^{2/}	48.4 ***	51.3 ^{2/}	45.0 ***	6.3
	22:40-22:45 HOUR	49.6 ^{2/}	48.4 ***	45.6 ^{2/}	45.0 ***	0.6
	22:45-22:50 HOUR	50.8 ^{2/}	48.4 ***	49.3 ^{2/}	45.0 ***	4.3
	22:50-22:55 HOUR	49.3 ^{2/}	48.4 ***	45.3 ^{2/}	45.0 ***	0.3
	22:55-23:00 HOUR	51.4 ^{2/}	48.4 ***	51.4 ^{2/}	45.0 ***	6.4
	23:00-23:05 HOUR	50.5 ^{2/}	48.4 ***	49.0 ^{2/}	45.0 ***	4.0
	23:05-23:10 HOUR	49.6 ^{2/}	48.4 ***	45.6 ^{2/}	45.0 ***	0.6
	23:10-23:15 HOUR	51.0 ^{2/}	48.4 ***	51.0 ^{2/}	45.0 ***	6.0
	23:15-23:20 HOUR	50.9 ^{2/}	48.4 ***	50.9 ^{2/}	45.0 ***	5.9
	23:20-23:25 HOUR	49.9 ^{2/}	48.4 ***	48.4 ^{2/}	45.0 ***	3.4
	23:25-23:30 HOUR	50.1 ^{2/}	48.4 ***	48.6 ^{2/}	45.0 ***	3.6
	23:30-23:35 HOUR	49.9 ^{2/}	48.4 ***	48.4 ^{2/}	45.0 ***	3.4
	23:35-23:40 HOUR	50.1 ^{2/}	48.4 ***	48.6 ^{2/}	45.0 ***	3.6
	23:40-23:45 HOUR	50.3 ^{2/}	48.4 ***	48.8 ^{2/}	45.0 ***	3.8
	23:45-23:50 HOUR	50.0 ^{2/}	48.4 ***	48.5 ^{2/}	45.0 ***	3.5
	23:50-23:55 HOUR	49.6 ^{2/}	48.4 ***	45.6 ^{2/}	45.0 ***	0.6
	23:55-00:00 HOUR	50.6 ^{2/}	48.4 ***	49.1 ^{2/}	45.0 ***	4.1
FEBRUARY 26, 2022 T22AD979-0011	NIGHT TIME ^{2/}					
	00:00-00:05 HOUR	50.7 ^{2/}	48.4 ***	49.2 ^{2/}	45.0 ***	4.2
	00:05-00:10 HOUR	50.2 ^{2/}	48.4 ***	48.7 ^{2/}	45.0 ***	3.7
	00:10-00:15 HOUR	49.0 ^{2/}	48.4 ***	45.0 ^{2/}	45.0 ***	0.0
	00:15-00:20 HOUR	50.3 ^{2/}	48.4 ***	48.8 ^{2/}	45.0 ***	3.8
	00:20-00:25 HOUR	48.8 ^{2/}	48.4 ***	44.8 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	00:25-00:30 HOUR	49.1 ^{2/}	48.4 ***	45.1 ^{2/}	45.0 ***	0.1
	00:30-00:35 HOUR	48.0 ^{2/}	48.4 ***	44.0 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	00:35-00:40 HOUR	47.5 ^{2/}	48.4 ***	43.5 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	00:40-00:45 HOUR	48.9 ^{2/}	48.4 ***	44.9 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	00:45-00:50 HOUR	47.4 ^{2/}	48.4 ***	43.4 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	00:50-00:55 HOUR	49.9 ^{2/}	48.4 ***	48.4 ^{2/}	45.0 ***	3.4

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2022-U017974

DATE	TIME*	RESULT (dB(A))				
		POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 26, 2022 T22AD979-0011	NIGHT TIME ^{2/}					
	00:55-01:00 HOUR	48.6 ^{2/}	48.4 ***	44.6 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	01:00-01:05 HOUR	48.9 ^{2/}	48.4 ***	44.9 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	01:05-01:10 HOUR	47.2 ^{2/}	48.4 ***	43.2 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	01:10-01:15 HOUR	45.2 ^{2/}	48.4 ***	41.2 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	01:15-01:20 HOUR	44.9 ^{2/}	48.4 ***	40.9 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	01:20-01:25 HOUR	48.1 ^{2/}	48.4 ***	44.1 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	01:25-01:30 HOUR	45.2 ^{2/}	48.4 ***	41.2 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	01:30-01:35 HOUR	43.7 ^{2/}	48.4 ***	39.7 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	01:35-01:40 HOUR	46.2 ^{2/}	48.4 ***	42.2 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	01:40-01:45 HOUR	46.5 ^{2/}	48.4 ***	42.5 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	01:45-01:50 HOUR	44.4 ^{2/}	48.4 ***	40.4 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	01:50-01:55 HOUR	44.0 ^{2/}	48.4 ***	40.0 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	01:55-02:00 HOUR	46.0 ^{2/}	48.4 ***	42.0 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	02:00-02:05 HOUR	45.4 ^{2/}	48.4 ***	41.4 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	02:05-02:10 HOUR	46.9 ^{2/}	48.4 ***	42.9 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	02:10-02:15 HOUR	46.9 ^{2/}	48.4 ***	42.9 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	02:15-02:20 HOUR	46.9 ^{2/}	48.4 ***	42.9 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	02:20-02:25 HOUR	47.2 ^{2/}	48.4 ***	43.2 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	02:25-02:30 HOUR	46.1 ^{2/}	48.4 ***	42.1 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	02:30-02:35 HOUR	45.8 ^{2/}	48.4 ***	41.8 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	02:35-02:40 HOUR	45.6 ^{2/}	48.4 ***	41.6 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	02:40-02:45 HOUR	47.8 ^{2/}	48.4 ***	43.8 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	02:45-02:50 HOUR	43.9 ^{2/}	48.4 ***	39.9 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	02:50-02:55 HOUR	44.3 ^{2/}	48.4 ***	40.3 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	02:55-03:00 HOUR	45.0 ^{2/}	48.4 ***	41.0 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	03:00-03:05 HOUR	45.5 ^{2/}	48.4 ***	41.5 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	03:05-03:10 HOUR	44.7 ^{2/}	48.4 ***	40.7 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	03:10-03:15 HOUR	45.6 ^{2/}	48.4 ***	41.6 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	03:15-03:20 HOUR	45.9 ^{2/}	48.4 ***	41.9 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	03:20-03:25 HOUR	46.5 ^{2/}	48.4 ***	42.5 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	03:25-03:30 HOUR	47.5 ^{2/}	48.4 ***	43.5 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	03:30-03:35 HOUR	46.6 ^{2/}	48.4 ***	42.6 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	03:35-03:40 HOUR	46.3 ^{2/}	48.4 ***	42.3 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	03:40-03:45 HOUR	45.9 ^{2/}	48.4 ***	41.9 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	03:45-03:50 HOUR	45.5 ^{2/}	48.4 ***	41.5 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	03:50-03:55 HOUR	48.0 ^{2/}	48.4 ***	44.0 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	03:55-04:00 HOUR	49.0 ^{2/}	48.4 ***	45.0 ^{2/}	45.0 ***	0.0
	04:00-04:05 HOUR	44.8 ^{2/}	48.4 ***	40.8 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	04:05-04:10 HOUR	44.0 ^{2/}	48.4 ***	40.0 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	04:10-04:15 HOUR	45.3 ^{2/}	48.4 ***	41.3 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	04:15-04:20 HOUR	47.0 ^{2/}	48.4 ***	43.0 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	04:20-04:25 HOUR	48.9 ^{2/}	48.4 ***	44.9 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	04:25-04:30 HOUR	48.7 ^{2/}	48.4 ***	44.7 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	04:30-04:35 HOUR	46.5 ^{2/}	48.4 ***	42.5 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}
	04:35-04:40 HOUR	46.4 ^{2/}	48.4 ***	42.4 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{2/}

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2022-U017974



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DATE	TIME*	RESULT (dB(A))				
		POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 26, 2022 T22AD979-0011	NIGHT TIME ^{2/}					
	04:40-04:45 HOUR	48.2 ^{2/}	48.4 ***	44.2 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	04:45-04:50 HOUR	47.0 ^{2/}	48.4 ***	43.0 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	04:50-04:55 HOUR	43.6 ^{2/}	48.4 ***	39.6 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	04:55-05:00 HOUR	43.4 ^{2/}	48.4 ***	39.4 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	05:00-05:05 HOUR	43.8 ^{2/}	48.4 ***	39.8 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	05:05-05:10 HOUR	44.6 ^{2/}	48.4 ***	40.6 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	05:10-05:15 HOUR	44.9 ^{2/}	48.4 ***	40.9 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	05:15-05:20 HOUR	45.6 ^{2/}	48.4 ***	41.6 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	05:20-05:25 HOUR	44.9 ^{2/}	48.4 ***	40.9 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	05:25-05:30 HOUR	50.1 ^{2/}	48.4 ***	48.6 ^{2/}	45.0 ***	3.6
	05:30-05:35 HOUR	47.0 ^{2/}	48.4 ***	43.0 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	05:35-05:40 HOUR	49.7 ^{2/}	48.4 ***	45.7 ^{2/}	45.0 ***	0.7
	05:40-05:45 HOUR	47.3 ^{2/}	48.4 ***	43.3 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	05:45-05:50 HOUR	44.8 ^{2/}	48.4 ***	40.8 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	05:50-05:55 HOUR	43.3 ^{2/}	48.4 ***	39.3 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	05:55-06:00 HOUR	45.6 ^{2/}	48.4 ***	41.6 ^{2/}	45.0 ***	NOT SIGNIFICANT ^{3/}
	DAY TIME ^{3/}					
	06:00-07:00 HOUR	46.9 ^{1/}	48.6 **	39.9 ^{1/}	44.6 **	NOT SIGNIFICANT ^{3/}
FEBRUARY 26, 2022 T22AD979-0012	DAY TIME ^{3/}					
	07:00-08:00 HOUR	44.5 ^{1/}	45.7 **	37.5 ^{1/}	42.5 **	NOT SIGNIFICANT ^{3/}
	08:00-09:00 HOUR	45.2 ^{1/}	45.7 **	38.2 ^{1/}	42.5 **	NOT SIGNIFICANT ^{3/}
	09:00-10:00 HOUR	46.2 ^{1/}	45.7 **	39.2 ^{1/}	42.5 **	NOT SIGNIFICANT ^{3/}
	10:00-11:00 HOUR	46.6 ^{1/}	45.7 **	39.6 ^{1/}	42.5 **	NOT SIGNIFICANT ^{3/}
	11:00-12:00 HOUR	46.7 ^{1/}	45.7 **	39.7 ^{1/}	42.5 **	NOT SIGNIFICANT ^{3/}
	12:00-13:00 HOUR	50.7 ^{1/}	45.7 **	49.2 ^{1/}	42.5 **	6.7
	13:00-14:00 HOUR	51.2 ^{1/}	45.7 **	49.7 ^{1/}	42.5 **	7.2
	14:00-15:00 HOUR	51.2 ^{1/}	45.7 **	49.7 ^{1/}	42.5 **	7.2
	15:00-16:00 HOUR	51.3 ^{1/}	45.7 **	49.8 ^{1/}	42.5 **	7.3
	16:00-17:00 HOUR	49.6 ^{1/}	45.7 **	47.6 ^{1/}	42.5 **	5.1
	17:00-18:00 HOUR	49.4 ^{1/}	45.7 **	47.4 ^{1/}	42.5 **	4.9
	18:00-19:00 HOUR	46.1 ^{1/}	45.7 **	39.1 ^{1/}	42.5 **	NOT SIGNIFICANT ^{3/}
	19:00-20:00 HOUR	48.8 ^{1/}	45.7 **	45.8 ^{1/}	42.5 **	3.3
	20:00-21:00 HOUR	48.7 ^{1/}	45.7 **	45.7 ^{1/}	42.5 **	3.2
	21:00-22:00 HOUR	47.2 ^{1/}	45.7 **	42.7 ^{1/}	42.5 **	0.2
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	47.9 ^{2/}	47.4 ***	43.9 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	22:05-22:10 HOUR	49.8 ^{2/}	47.4 ***	48.3 ^{2/}	44.0 ***	4.3
	22:10-22:15 HOUR	49.8 ^{2/}	47.4 ***	48.3 ^{2/}	44.0 ***	4.3
	22:15-22:20 HOUR	49.6 ^{2/}	47.4 ***	48.1 ^{2/}	44.0 ***	4.1
	22:20-22:25 HOUR	49.8 ^{2/}	47.4 ***	48.3 ^{2/}	44.0 ***	4.3
	22:25-22:30 HOUR	50.0 ^{2/}	47.4 ***	50.0 ^{2/}	44.0 ***	6.0
	22:30-22:35 HOUR	50.0 ^{2/}	47.4 ***	50.0 ^{2/}	44.0 ***	6.0
	22:35-22:40 HOUR	49.6 ^{2/}	47.4 ***	48.1 ^{2/}	44.0 ***	4.1
	22:40-22:45 HOUR	49.2 ^{2/}	47.4 ***	47.7 ^{2/}	44.0 ***	3.7
	22:45-22:50 HOUR	49.1 ^{2/}	47.4 ***	47.6 ^{2/}	44.0 ***	3.6

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2022-U017974

DATE	TIME*	RESULT (dB(A))				
		POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 26, 2022 T22AD979-0012	NIGHT TIME ^{2/}					
	22:50-22:55 HOUR	49.9 ^{2/}	47.4 ***	48.4 ^{2/}	44.0 ***	4.4
	22:55-23:00 HOUR	49.5 ^{2/}	47.4 ***	48.0 ^{2/}	44.0 ***	4.0
	23:00-23:05 HOUR	50.8 ^{2/}	47.4 ***	50.8 ^{2/}	44.0 ***	6.8
	23:05-23:10 HOUR	49.9 ^{2/}	47.4 ***	48.4 ^{2/}	44.0 ***	4.4
	23:10-23:15 HOUR	49.1 ^{2/}	47.4 ***	47.6 ^{2/}	44.0 ***	3.6
	23:15-23:20 HOUR	49.4 ^{2/}	47.4 ***	47.9 ^{2/}	44.0 ***	3.9
	23:20-23:25 HOUR	50.5 ^{2/}	47.4 ***	50.5 ^{2/}	44.0 ***	6.5
	23:25-23:30 HOUR	49.0 ^{2/}	47.4 ***	47.5 ^{2/}	44.0 ***	3.5
	23:30-23:35 HOUR	50.9 ^{2/}	47.4 ***	50.9 ^{2/}	44.0 ***	6.9
	23:35-23:40 HOUR	49.8 ^{2/}	47.4 ***	48.3 ^{2/}	44.0 ***	4.3
	23:40-23:45 HOUR	49.7 ^{2/}	47.4 ***	48.2 ^{2/}	44.0 ***	4.2
	23:45-23:50 HOUR	50.4 ^{2/}	47.4 ***	50.4 ^{2/}	44.0 ***	6.4
	23:50-23:55 HOUR	50.3 ^{2/}	47.4 ***	50.3 ^{2/}	44.0 ***	6.3
	23:55-00:00 HOUR	49.6 ^{2/}	47.4 ***	48.1 ^{2/}	44.0 ***	4.1
FEBRUARY 27, 2022 T22AD979-0012	NIGHT TIME ^{2/}					
	00:00-00:05 HOUR	49.8 ^{2/}	47.4 ***	48.3 ^{2/}	44.0 ***	4.3
	00:05-00:10 HOUR	47.8 ^{2/}	47.4 ***	43.8 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	00:10-00:15 HOUR	46.7 ^{2/}	47.4 ***	42.7 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	00:15-00:20 HOUR	46.2 ^{2/}	47.4 ***	42.2 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	00:20-00:25 HOUR	48.1 ^{2/}	47.4 ***	44.1 ^{2/}	44.0 ***	0.1
	00:25-00:30 HOUR	49.3 ^{2/}	47.4 ***	47.8 ^{2/}	44.0 ***	3.8
	00:30-00:35 HOUR	46.2 ^{2/}	47.4 ***	42.2 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	00:35-00:40 HOUR	47.1 ^{2/}	47.4 ***	43.1 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	00:40-00:45 HOUR	47.5 ^{2/}	47.4 ***	43.5 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	00:45-00:50 HOUR	47.2 ^{2/}	47.4 ***	43.2 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	00:50-00:55 HOUR	49.1 ^{2/}	47.4 ***	47.6 ^{2/}	44.0 ***	3.6
	00:55-01:00 HOUR	47.1 ^{2/}	47.4 ***	43.1 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	01:00-01:05 HOUR	49.9 ^{2/}	47.4 ***	48.4 ^{2/}	44.0 ***	4.4
	01:05-01:10 HOUR	46.8 ^{2/}	47.4 ***	42.8 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	47.0 ^{2/}	47.4 ***	43.0 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	48.0 ^{2/}	47.4 ***	44.0 ^{2/}	44.0 ***	0.0
	01:20-01:25 HOUR	46.4 ^{2/}	47.4 ***	42.4 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	45.8 ^{2/}	47.4 ***	41.8 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	01:30-01:35 HOUR	46.9 ^{2/}	47.4 ***	42.9 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	48.1 ^{2/}	47.4 ***	44.1 ^{2/}	44.0 ***	0.1
	01:40-01:45 HOUR	48.2 ^{2/}	47.4 ***	44.2 ^{2/}	44.0 ***	0.2
	01:45-01:50 HOUR	46.2 ^{2/}	47.4 ***	42.2 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	01:50-01:55 HOUR	44.9 ^{2/}	47.4 ***	40.9 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	01:55-02:00 HOUR	43.4 ^{2/}	47.4 ***	39.4 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	02:00-02:05 HOUR	47.6 ^{2/}	47.4 ***	43.6 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	45.2 ^{2/}	47.4 ***	41.2 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	02:10-02:15 HOUR	49.5 ^{2/}	47.4 ***	48.0 ^{2/}	44.0 ***	4.0
	02:15-02:20 HOUR	46.0 ^{2/}	47.4 ***	42.0 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	02:20-02:25 HOUR	46.5 ^{2/}	47.4 ***	42.5 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	46.7 ^{2/}	47.4 ***	42.7 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}

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NSC-TISI-TIS 17025
TESTING 0207



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NSC-TISI-TIS 17025
TESTING 0207

DATE	TIME*	RESULT (dB(A))				
		POARJHC 3 : BAN TUNG YAI (UTM WGS 84 ZONE 47P 729476E 1728613N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
FEBRUARY 27, 2022	NIGHT TIME ^{2/}					
T22AD979-0012	02:30-02:35 HOUR	46.4 ^{2/}	47.4 ***	42.4 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	02:35-02:40 HOUR	50.9 ^{2/}	47.4 ***	50.9 ^{2/}	44.0 ***	6.9
	02:40-02:45 HOUR	47.3 ^{2/}	47.4 ***	43.3 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	02:45-02:50 HOUR	45.8 ^{2/}	47.4 ***	41.8 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	47.1 ^{2/}	47.4 ***	43.1 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	02:55-03:00 HOUR	46.1 ^{2/}	47.4 ***	42.1 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	03:00-03:05 HOUR	45.7 ^{2/}	47.4 ***	41.7 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	03:05-03:10 HOUR	45.6 ^{2/}	47.4 ***	41.6 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	03:10-03:15 HOUR	46.1 ^{2/}	47.4 ***	42.1 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	03:15-03:20 HOUR	51.0 ^{2/}	47.4 ***	52.0 ^{2/}	44.0 ***	8.0
	03:20-03:25 HOUR	51.0 ^{2/}	47.4 ***	52.0 ^{2/}	44.0 ***	8.0
	03:25-03:30 HOUR	51.5 ^{2/}	47.4 ***	52.5 ^{2/}	44.0 ***	8.5
	03:30-03:35 HOUR	51.7 ^{2/}	47.4 ***	52.7 ^{2/}	44.0 ***	8.7
	03:35-03:40 HOUR	51.6 ^{2/}	47.4 ***	52.6 ^{2/}	44.0 ***	8.6
	03:40-03:45 HOUR	47.7 ^{2/}	47.4 ***	43.7 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	03:45-03:50 HOUR	49.7 ^{2/}	47.4 ***	48.2 ^{2/}	44.0 ***	4.2
	03:50-03:55 HOUR	51.5 ^{2/}	47.4 ***	52.5 ^{2/}	44.0 ***	8.5
	03:55-04:00 HOUR	50.6 ^{2/}	47.4 ***	50.6 ^{2/}	44.0 ***	6.6
	04:00-04:05 HOUR	51.6 ^{2/}	47.4 ***	52.6 ^{2/}	44.0 ***	8.6
	04:05-04:10 HOUR	51.5 ^{2/}	47.4 ***	52.5 ^{2/}	44.0 ***	8.5
	04:10-04:15 HOUR	49.7 ^{2/}	47.4 ***	48.2 ^{2/}	44.0 ***	4.2
	04:15-04:20 HOUR	46.0 ^{2/}	47.4 ***	42.0 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	04:20-04:25 HOUR	46.9 ^{2/}	47.4 ***	42.9 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	04:25-04:30 HOUR	49.7 ^{2/}	47.4 ***	48.2 ^{2/}	44.0 ***	4.2
	04:30-04:35 HOUR	48.6 ^{2/}	47.4 ***	44.6 ^{2/}	44.0 ***	0.6
	04:35-04:40 HOUR	51.8 ^{2/}	47.4 ***	52.8 ^{2/}	44.0 ***	8.8
	04:40-04:45 HOUR	50.0 ^{2/}	47.4 ***	50.0 ^{2/}	44.0 ***	6.0
	04:45-04:50 HOUR	46.9 ^{2/}	47.4 ***	42.9 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	04:50-04:55 HOUR	47.9 ^{2/}	47.4 ***	43.9 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	04:55-05:00 HOUR	47.0 ^{2/}	47.4 ***	43.0 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	05:00-05:05 HOUR	51.9 ^{2/}	47.4 ***	52.9 ^{2/}	44.0 ***	8.9
	05:05-05:10 HOUR	47.5 ^{2/}	47.4 ***	43.5 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	05:10-05:15 HOUR	48.0 ^{2/}	47.4 ***	44.0 ^{2/}	44.0 ***	0.0
	05:15-05:20 HOUR	47.3 ^{2/}	47.4 ***	43.3 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	05:20-05:25 HOUR	47.7 ^{2/}	47.4 ***	43.7 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	05:25-05:30 HOUR	47.5 ^{2/}	47.4 ***	43.5 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	05:30-05:35 HOUR	48.4 ^{2/}	47.4 ***	44.4 ^{2/}	44.0 ***	0.4
	05:35-05:40 HOUR	48.3 ^{2/}	47.4 ***	44.3 ^{2/}	44.0 ***	0.3
	05:40-05:45 HOUR	48.9 ^{2/}	47.4 ***	44.9 ^{2/}	44.0 ***	0.9
	05:45-05:50 HOUR	50.2 ^{2/}	47.4 ***	50.2 ^{2/}	44.0 ***	6.2
	05:50-05:55 HOUR	47.6 ^{2/}	47.4 ***	43.6 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	05:55-06:00 HOUR	46.7 ^{2/}	47.4 ***	42.7 ^{2/}	44.0 ***	NOT SIGNIFICANT ^{3/}
	DAY TIME ^{1/}					
	06:00-07:00 HOUR	47.6 ^{1/}	45.7 **	43.1 ^{1/}	42.5 **	0.6

- 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 Banjongjatrak

(MR SILA BANJONGJATRAK)
LABORATORY SUPERVISOR

MARCH 14, 2022

ISO 9001:2015 CERTIFIED
ISO 14001:2015 CERTIFIED
BY BSI GROUP (THAILAND) CO.,LTD.

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2022-U017974

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2022-U017974

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 : MWJHC1-1 (UTM WGS 84 ZONE 47P 729070E 1732596N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : MAY 18, 2022
SAMPLING TIME : 16:20 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

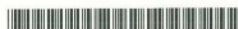
RECEIVED DATE : MAY 19, 2022
ANALYTICAL DATE : MAY 19-29, 2022
REPORT NO. : 2022-U041112
WORK NO. : 2022-001204
ANALYSIS NO. : T22A3458-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWJHC1-1 T22A3458-0001		
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.0 (30°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	658 (30°C)	-	0.1
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	4.8	-	2.0
SULPHATE ^c	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	3.9	-	0.3
TOTAL PETROLEUM HYDROCARBONS ^c	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0003
SELENIUM ^c	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
CADMIUM ^c	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 ^c	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
LEAD ^c	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 ^c	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
NICKEL ^c	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 ^c	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

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWJHC1-1 T22A3458-0001		
BARIUM ^c	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.159	-	0.003
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.001	0.0001
IRON ^c	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	1.04	-	0.005
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR 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 (MANGANESE ≥ 0.002 AND < 0.025 mg/L).

Benawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

JUNE 2, 2022

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• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

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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@ecothai.net
SAMPLING SOURCE : MWJHC1-2 (UTM WGS 84 ZONE 47P 729004E 1732617N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : MAY 18, 2022
SAMPLING TIME : 15:50 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : MAY 19, 2022
ANALYTICAL DATE : MAY 19-29, 2022
REPORT NO. : 2022-U041113
WORK NO. : 2022-001204
ANALYSIS NO. : T22AJ458-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHC1-2 T22AJ458-0002	REGULATORY STANDARD	DETECTION LIMIT
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM4500-H ⁺ B)	7.8 (32°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	923 (32°C)	-	0.1
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl B)	5.3	-	2.0
SULPHATE ^c	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	9.3	-	0.3
TOTAL PETROLEUM HYDROCARBONS ^c	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0003
SELENIUM ^c	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
CADMIUM ^c	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 ^c	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
LEAD ^c	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 ^c	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
NICKEL ^c	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 ^c	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



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHC1-2 T22AJ458-0002	REGULATORY STANDARD	DETECTION LIMIT
BARIIUM ^c	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.324	-	0.003
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.001	0.0001
IRON ^c	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	0.059	-	0.005
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

^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 (MANGANESE ≥ 0.002 AND < 0.025 mg/L).

Benawan V.

(MISS BENAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

JUNE 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 : -
SAMPLE TYPE : BLANK (GROUNDWATER)
SAMPLING DATE : -
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : -
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : MAY 19, 2022
ANALYTICAL DATE : MAY 19-29, 2022
REPORT NO. : 2022-U041114
WORK NO. : 2022-001204
ANALYSIS NO. : 2022-FB0529, 2022-TB0511

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			1 2022-FB0529	2 2022-TB0511	
CHLORIDE	mg/L Cl	ARGENTOMETRIC METHOD (SM: 4500-Cl B)	ND	ND	2.0
SULPHATE	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	ND	ND	0.3
TOTAL PETROLEUM HYDROCARBONS	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	ND	3
METALS					
HEXAVALENT CHROMIUM	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	ND	0.006
ARSENIC	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	ND	0.0003
SELENIUM	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	ND	0.0005
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	ND	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	ND	0.002
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	ND	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	ND	ND	0.002
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	ND	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	ND	0.003
BARIUM	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	ND	0.003
MERCURY	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	ND	0.0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			1 2022-FB0529	2 2022-TB0511	
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	ND	ND	0.005
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR	COLOURLESS/CLEAR	

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.
 RESULT 1 : FIELD BLANK
 RESULT 2 : TRIP BLANK
 ND : NON-DETECTABLE.

Benawan V.

(MISS BENJAWAN VIRIYOTHAI)
 LABORATORY SUPERVISOR

JUNE 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 : -
SAMPLE TYPE : BLANK (GROUNDWATER)
SAMPLING DATE : -
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : -
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : MAY 19, 2022
ANALYTICAL DATE : MAY 19-29, 2022
REPORT NO. : 2022-U041115
WORK NO. : 2022-001204
ANALYSIS NO. : 2022-EB0093

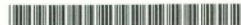
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			EQUIPMENT BLANK 2022-EB0093	DETECTION LIMIT
CHLORIDE	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	ND	2.0
SULPHATE	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	ND	0.3
TOTAL PETROLEUM HYDROCARBONS	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	3
METALS				
HEXAVALENT CHROMIUM	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr ⁶⁺ B)	ND	0.006
ARSENIC	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	0.0003
SELENIUM	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	0.0005
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	0.002
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	0.002
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	0.003
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	ND	0.002
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	0.005
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	0.003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			EQUIPMENT BLANK 2022-EB0093	DETECTION LIMIT
BARIUM	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.003
MERCURY	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	0.0001
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	ND	0.005
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR	

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.
 ND : NON-DETECTABLE.

Benawan V.
 (MISS BENJAWAN VIRIYOTHAI)
 LABORATORY SUPERVISOR

JUNE 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 : MWJHC3-1 (UTM WGS 84 ZONE 47P 730402E 1731335N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : FEBRUARY 23, 2022
SAMPLING TIME : 10:40 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP
SAMPLING BY : MR. KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : FEBRUARY 25, 2022
ANALYTICAL DATE : FEBRUARY 25 - MARCH 14, 2022
REPORT NO. : 2022-U017801
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD425-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHC3-1 T22AD425-0001	REGULATORY STANDARD	DETECTION LIMIT
pH °	-	ELECTROMETRIC METHOD AT SITE (SM4500-H ⁺ B)	7.2 (28°C)	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	1,321 (28°C)	-	0.1
CHLORIDE °	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	6.8	-	2.0
SULPHATE °	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	7.0	-	0.3
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)	0.0003	≤ 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)	0.270	-	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	0.394	-	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
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



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHC3-1 T22AD425-0001	REGULATORY STANDARD	DETECTION LIMIT
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
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).

Benawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

MARCH 17, 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
SAMPLE SOURCE : MWJHC3-2 (UTM WGS 84 ZONE 47P 730578E 1731204N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : FEBRUARY 23, 2022
SAMPLING TIME : 10:20 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : FEBRUARY 25, 2022
ANALYTICAL DATE : FEBRUARY 25 - MARCH 14, 2022
REPORT NO. : 2022-U017802
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD425-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHC3-2 T22AD425-0002	REGULATORY STANDARD	DETECTION LIMIT
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM4500-H ⁺ B)	7.0 (27°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM 2510 B)	761 (27°C)	-	0.1
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl B)	5.9	-	2.0
SULPHATE ^c	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	ND	-	0.3
TOTAL PETROLEUM HYDROCARBONS ^c	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0003
BARIUM ^c	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.112	-	0.003
CADMIUM ^c	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 ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER ^c	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 ^c	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	0.074	-	0.005
LEAD ^c	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
MANGANESE ^c	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 ^b	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.001	0.0001

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• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHC3-2 T22AD425-0002	REGULATORY STANDARD	DETECTION LIMIT
NICKEL ^c	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 ^c	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
ZINC ^c	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
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR 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 (LEAD ≥ 0.003 AND < 0.100 mg/L, MANGANESE ≥ 0.002 AND < 0.025 mg/L).

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
 LABORATORY SUPERVISOR

MARCH 17, 2022

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2022-U017802

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 : MWJHCS-1 (UTM WGS 84 ZONE 47P 732315E 1732991N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : FEBRUARY 23, 2022
SAMPLING TIME : 12:05 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : FEBRUARY 25, 2022
ANALYTICAL DATE : FEBRUARY 25 - MARCH 14, 2022
REPORT NO. : 2022-U017806
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD426-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHCS-1 T22AD426-0001	REGULATORY STANDARD	DETECTION LIMIT
pH °	-	ELECTROMETRIC METHOD AT SITE (SM4500-H° B)	7.4 (27°C)	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM 2510 B)	717 (27°C)	-	0.1
CHLORIDE °	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl B)	4.4	-	2.0
SULPHATE °	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	ND	-	0.3
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)	0.0006	≤ 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)	0.234	-	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	< LOQ	-	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
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



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHCS-1 T22AD426-0001	REGULATORY STANDARD	DETECTION LIMIT
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
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR 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 (IRON ≥ 0.005 AND < 0.050 mg/L, MANGANESE ≥ 0.002 AND < 0.025 mg/L.)

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

MARCH 17, 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 : MWJHCS-2 (UTM WGS 84 ZONE 47P 732073E 1732923N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : FEBRUARY 23, 2022
SAMPLING TIME : 12:20 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : FEBRUARY 25, 2022
ANALYTICAL DATE : FEBRUARY 25 - MARCH 14, 2022
REPORT NO. : 2022-U017807
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD426-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHCS-2 T22AD426-0002	REGULATORY STANDARD	DETECTION LIMIT
pH °	-	ELECTROMETRIC METHOD AT SITE (SM4500-H+ B)	7.1 (29°C)	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	298 (29°C)	-	0.1
CHLORIDE °	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl B)	2.4	-	2.0
SULPHATE °	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	ND	-	0.3
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)	0.167	-	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	0.622	-	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
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	0.040	≤ 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

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHCS-2 T22AD426-0002	REGULATORY STANDARD	DETECTION LIMIT
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
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR 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

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

MARCH 17, 2022

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2022-U017807

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 : MWJHC13-1 (UTM WGS 84 ZONE 47P 730360E 1732091N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : FEBRUARY 23, 2022
SAMPLING TIME : 11:20 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP
SAMPLING BY : MR. KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : FEBRUARY 25, 2022
ANALYTICAL DATE : FEBRUARY 25 - MARCH 11, 2022
REPORT NO. : 2022-U017804
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD427-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWJHC13-1 T22AD427-0001		
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.1 (31°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	148 (31°C)	-	0.1
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl B)	ND	-	2.0
SULPHATE ^c	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	ND	-	0.3
TOTAL PETROLEUM HYDROCARBONS ^c	mg/L	SOX-HLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0003
BARIUM ^c	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.171	-	0.003
CADMIUM ^c	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 ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER ^c	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 ^c	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 F AND 3111 B	0.303	-	0.005
LEAD ^c	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 ^c	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 ^b	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.001	0.0001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWJHC13-1 T22AD427-0001		
NICKEL ^c	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 ^c	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
ZINC ^c	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
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR 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 (MANGANESE ≥ 0.002 AND < 0.025 mg/L).

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

MARCH 14, 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 : MWJHC13-2 (UTM WGS 84 ZONE 47P 730393E 1731987N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : FEBRUARY 23, 2022
SAMPLING TIME : 11:40 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : FEBRUARY 25, 2022
ANALYTICAL DATE : FEBRUARY 25 - MARCH 11, 2022
REPORT NO. : 2022-U017805
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD427-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHC13-2 T22AD427-0002	REGULATORY STANDARD	DETECTION LIMIT
pH ^o	-	ELECTROMETRIC METHOD AT SITE (SM.4500-H ⁺ B)	7.3 (28°C)	-	-
ELECTRICAL CONDUCTIVITY ^o	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM. 2510 B)	1,385 (28°C)	-	0.1
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM. 4500-Cl ⁻ B)	6.8	-	2.0
SULPHATE ^c	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM. 4500-SO ₄ ²⁻ E)	ND	-	0.3
TOTAL PETROLEUM HYDROCARBONS ^c	mg/L	SOXHLET EXTRACTION METHOD (SM. 5520 D AND 5520 F)	ND	-	3
METALS					
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM. 3114 C)	ND	≤ 0.01	0.0003
BARIUM ^c	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM. 3030 F AND 3120 B)	0.073	-	0.003
CADMIUM ^c	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
HEXA VALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM. 3500-Cr B)	ND	≤ 0.05	0.006
COPPER ^c	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 ^c	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	< LOQ	-	0.005
LEAD ^c	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 ^c	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	ND	≤ 0.5	0.002
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM. 3112 B	ND	≤ 0.001	0.0001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHC13-2 T22AD427-0002	REGULATORY STANDARD	DETECTION LIMIT
NICKEL ^c	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 ^c	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM. 3114 C)	ND	≤ 0.01	0.0005
ZINC ^c	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
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR 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 (IRON ≥ 0.050 AND < 0.005 mg/L).

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

MARCH 14, 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 : MWJHC14-1 (UTM WGS 84 ZONE 47P 732572E 1732163N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : FEBRUARY 24, 2022
SAMPLING TIME : 09:30 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : FEBRUARY 25, 2022
ANALYTICAL DATE : FEBRUARY 25 - MARCH 14, 2022
REPORT NO. : 2022-U019361
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD47-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHC14-1 T22AD47-0001	REGULATORY STANDARD	DETECTION LIMIT
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM4500-H ⁺ B)	7.0 (28°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	1,134 (28°C)	-	0.1
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl B)	2.4	-	2.0
SULPHATE ^c	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	37.4	-	0.3
TOTAL PETROLEUM HYDROCARBONS ^c	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0003
BARIUM ^c	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.107	-	0.003
CADMIUM ^c	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 ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER ^c	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 ^c	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	0.063	-	0.005
LEAD ^c	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
MANGANESE ^c	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 ^b	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.001	0.0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWJHC14-1 T22AD47-0001	REGULATORY STANDARD	DETECTION LIMIT
NICKEL ^c	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 ^c	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
ZINC ^c	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METH-OD); SM: 3030 E AND 3111 B	ND	≤ 5.0	0.003
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR 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, MANGANESE ≥ 0.002 AND < 0.025 mg/L).

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

MARCH 17, 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 : MWJHC14-2 (UTM WGS 84 ZONE 47P 732418E 1732007N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : FEBRUARY 24, 2022
SAMPLING TIME : 09:55 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP
SAMPLING BY : MR. KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : FEBRUARY 25, 2022
ANALYTICAL DATE : FEBRUARY 25 - MARCH 14, 2022
REPORT NO. : 2022-U019362
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD447-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWJHC14-2 T22AD447-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM4500-H+ B)	6.8 (28°C)	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	1,206 (28°C)	-	0.1
CHLORIDE °	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	ND	-	2.0
SULPHATE °	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	55.0	-	0.3
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOXHLETT EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0003	≤ 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)	0.105	-	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	< LOQ	-	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
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	ND	≤ 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

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

• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWJHC14-2 T22AD447-0002		
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
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR 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 (IRON ≥ 0.005 AND < 0.050 mg/L).

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

MARCH 17, 2022

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

• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

2/2

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@ecothal.net
SAMPLING SOURCE : GW-M0017 (UTM WGS 84 ZONE 47P 731234E 1733016N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : FEBRUARY 24, 2022
SAMPLING TIME : 13:30 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR. KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : FEBRUARY 25, 2022
ANALYTICAL DATE : FEBRUARY 25 - MARCH 14, 2022
REPORT NO. : 2022-U017813
WORK NO. : 2022-001204
ANALYSIS NO. : T22AD444-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			GW-M0017 T22AD444-0001		
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	6.3 (29°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	369 (29°C)	-	0.1
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	19.6	-	2.0
SULPHATE ^c	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	ND	-	0.3
TOTAL PETROLEUM HYDROCARBONS ^c	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0003
BARIUM ^c	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.023	-	0.003
CADMIUM ^c	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 ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER ^c	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 ^c	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	0.372	-	0.005
LEAD ^c	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 ^c	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	0.032	≤ 0.5	0.002
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	< LOQ	≤ 0.001	0.0001

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			GW-M0017 T22AD444-0001		
NICKEL ^c	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 ^c	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
ZINC ^c	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
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR 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 (MERCURY ≥ 0.0001 AND < 0.0005 mg/L).

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

MARCH 18, 2022

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

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2022-U017813