


ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : TRE-1-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : DECEMBER 1-4, 2021
MEASURING DATE : DECEMBER 1-4, 2021 **ANALYTICAL DATE** : DECEMBER 1-4, 2021
MEASURING TIME : * **REPORT NO.** : 2021-U94395
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2021-008594
MEASURED BY : MR CHATCHAWAN LUEANLONG **ANALYSIS NO.** : T21AX921-0001 - T21AX921-0003

TIME*	RESULT					
	CARBON MONOXIDE					
	TRE-1-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)					
	DECEMBER 1-2, 2021 T21AX921-0001		DECEMBER 2-3, 2021 T21AX921-0002		DECEMBER 3-4, 2021 T21AX921-0003	
	CO 1 ชั่วโมง	CO 8 ชั่วโมง	CO 1 ชั่วโมง	CO 8 ชั่วโมง	CO 1 ชั่วโมง	CO 8 ชั่วโมง
14:00-15:00 HOUR	1.27	-	1.63	-	1.31	-
15:00-16:00 HOUR	1.29	-	1.61	-	1.26	-
16:00-17:00 HOUR	1.34	-	1.52	-	1.26	-
17:00-18:00 HOUR	1.38	-	1.44	-	1.31	-
18:00-19:00 HOUR	1.45	-	1.39	-	1.35	-
19:00-20:00 HOUR	1.53	-	1.37	-	1.40	-
20:00-21:00 HOUR	1.59	-	1.37	-	1.42	-
21:00-22:00 HOUR	1.57	1.43	1.37	1.46	1.48	1.35
22:00-23:00 HOUR	1.52	-	1.38	-	1.52	-
23:00-00:00 HOUR	1.46	-	1.42	-	1.53	-
00:00-01:00 HOUR	1.44	-	1.47	-	1.49	-
01:00-02:00 HOUR	1.51	-	1.48	-	1.42	-
02:00-03:00 HOUR	1.60	-	1.49	-	1.38	-
03:00-04:00 HOUR	1.79	-	1.41	-	1.36	-
04:00-05:00 HOUR	1.95	-	1.31	-	1.47	-
05:00-06:00 HOUR	2.02	1.66	1.19	1.39	1.55	1.46
06:00-07:00 HOUR	2.01	-	1.10	-	1.72	-
07:00-08:00 HOUR	1.93	-	1.07	-	1.80	-
08:00-09:00 HOUR	1.94	-	1.09	-	1.80	-
09:00-10:00 HOUR	1.96	-	1.12	-	1.72	-
10:00-11:00 HOUR	1.91	-	1.23	-	1.55	-
11:00-12:00 HOUR	1.89	-	1.32	-	1.47	-
12:00-13:00 HOUR	1.75	-	1.40	-	1.36	-
13:00-14:00 HOUR	1.74	1.89	1.37	1.21	1.30	1.59
UNIT	ppm					



 (MR SILA BANJONGJAIRUK)
 LABORATORY SUPERVISOR
 DECEMBER 16, 2021

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ANALYSIS REPORT

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ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : TRE-1-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : DECEMBER 1-4, 2021
MEASURING DATE : DECEMBER 1-4, 2021 **ANALYTICAL DATE** : DECEMBER 1-4, 2021
MEASURING TIME : * **REPORT NO.** : 2021-U94396
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2021-008594
MEASURED BY : MR CHATCHAWAN LUEANLONG **ANALYSIS NO.** : T21AX921-0004 - T21AX921-0006

TIME*	RESULT					
	CARBON MONOXIDE					
	TRE-1-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)					
	DECEMBER 1-2, 2021 T21AX921-0004		DECEMBER 2-3, 2021 T21AX921-0005		DECEMBER 3-4, 2021 T21AX921-0006	
	CO 1 ชั่วโมง	CO 8 ชั่วโมง	CO 1 ชั่วโมง	CO 8 ชั่วโมง	CO 1 ชั่วโมง	CO 8 ชั่วโมง
14:00-15:00 HOUR	1.59	-	1.74	-	1.04	-
15:00-16:00 HOUR	1.70	-	2.00	-	1.04	-
16:00-17:00 HOUR	1.77	-	2.17	-	1.06	-
17:00-18:00 HOUR	1.81	-	2.20	-	1.14	-
18:00-19:00 HOUR	1.84	-	2.15	-	1.25	-
19:00-20:00 HOUR	1.78	-	2.04	-	1.45	-
20:00-21:00 HOUR	1.79	-	2.00	-	1.66	-
21:00-22:00 HOUR	1.82	1.76	1.89	2.02	1.89	1.32
22:00-23:00 HOUR	1.87	-	1.80	-	1.99	-
23:00-00:00 HOUR	1.83	-	1.69	-	1.93	-
00:00-01:00 HOUR	1.82	-	1.61	-	1.81	-
01:00-02:00 HOUR	1.76	-	1.54	-	1.68	-
02:00-03:00 HOUR	1.67	-	1.54	-	1.57	-
03:00-04:00 HOUR	1.55	-	1.55	-	1.44	-
04:00-05:00 HOUR	1.47	-	1.60	-	1.35	-
05:00-06:00 HOUR	1.51	1.69	1.58	1.61	1.26	1.63
06:00-07:00 HOUR	1.56	-	1.57	-	1.21	-
07:00-08:00 HOUR	1.66	-	1.57	-	1.14	-
08:00-09:00 HOUR	1.66	-	1.58	-	1.06	-
09:00-10:00 HOUR	1.57	-	1.59	-	0.98	-
10:00-11:00 HOUR	1.47	-	1.42	-	0.96	-
11:00-12:00 HOUR	1.38	-	1.25	-	0.98	-
12:00-13:00 HOUR	1.40	-	1.07	-	1.05	-
13:00-14:00 HOUR	1.53	1.53	1.04	1.39	1.12	1.06
UNIT	ppm					


 (MR SILA BANJONGJAIRUK)
 LABORATORY SUPERVISOR
 DECEMBER 16, 2021

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

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : TRE-1-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : DECEMBER 1-4, 2021
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR CHATCHAWAN LUEANLONG

RECEIVED DATE : DECEMBER 1-4, 2021
ANALYTICAL DATE : DECEMBER 1-4, 2021
REPORT NO. : 2021-U94397
WORK NO. : 2021-008594
ANALYSIS NO. : T21AX921-0001 - T21AX921-0003

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	TRE-1-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)		
	DECEMBER 1 - 2, 2021 T21AX921-0001	DECEMBER 2 - 3, 2021 T21AX921-0002	DECEMBER 3 - 4, 2021 T21AX921-0003
14:00-15:00 HOUR	0.0110	0.0064	0.0093
15:00-16:00 HOUR	0.0099	0.0065	0.0086
16:00-17:00 HOUR	0.0087	0.0066	0.0074
17:00-18:00 HOUR	0.0089	0.0068	0.0074
18:00-19:00 HOUR	0.0078	0.0074	0.0071
19:00-20:00 HOUR	0.0071	0.0081	0.0073
20:00-21:00 HOUR	0.0059	0.0093	0.0069
21:00-22:00 HOUR	0.0047	0.0098	0.0065
22:00-23:00 HOUR	0.0057	0.0104	0.0070
23:00-00:00 HOUR	0.0058	0.0097	0.0077
00:00-01:00 HOUR	0.0071	0.0096	0.0086
01:00-02:00 HOUR	0.0068	0.0085	0.0086
02:00-03:00 HOUR	0.0077	0.0078	0.0087
03:00-04:00 HOUR	0.0089	0.0071	0.0089
04:00-05:00 HOUR	0.0105	0.0068	0.0089
05:00-06:00 HOUR	0.0116	0.0069	0.0097
06:00-07:00 HOUR	0.0120	0.0056	0.0083
07:00-08:00 HOUR	0.0115	0.0054	0.0075
08:00-09:00 HOUR	0.0113	0.0051	0.0053
09:00-10:00 HOUR	0.0104	0.0071	0.0053
10:00-11:00 HOUR	0.0101	0.0075	0.0058
11:00-12:00 HOUR	0.0092	0.0088	0.0064
12:00-13:00 HOUR	0.0079	0.0091	0.0072
13:00-14:00 HOUR	0.0066	0.0104	0.0072
AVERAGE 24 HOUR	0.0086	0.0078	0.0076

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

DECEMBER 17, 2021

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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : TRE-1-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : DECEMBER 1-4, 2021
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR CHATCHAWAN LUEANLONG

RECEIVED DATE : DECEMBER 1-4, 2021
ANALYTICAL DATE : DECEMBER 1-4, 2021
REPORT NO. : 2021-U94398
WORK NO. : 2021-008594
ANALYSIS NO. : T21AX921-0004 - T21AX921-0006

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	TRE-1-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)		
	DECEMBER 1 - 2, 2021 T21AX921-0004	DECEMBER 2 - 3, 2021 T21AX921-0005	DECEMBER 3 - 4, 2021 T21AX921-0006
14:00-15:00 HOUR	0.0078	0.0091	0.0099
15:00-16:00 HOUR	0.0071	0.0094	0.0087
16:00-17:00 HOUR	0.0068	0.0091	0.0083
17:00-18:00 HOUR	0.0066	0.0084	0.0089
18:00-19:00 HOUR	0.0057	0.0085	0.0097
19:00-20:00 HOUR	0.0052	0.0082	0.0095
20:00-21:00 HOUR	0.0039	0.0079	0.0086
21:00-22:00 HOUR	0.0038	0.0081	0.0075
22:00-23:00 HOUR	0.0034	0.0082	0.0074
23:00-00:00 HOUR	0.0041	0.0085	0.0077
00:00-01:00 HOUR	0.0042	0.0079	0.0081
01:00-02:00 HOUR	0.0049	0.0083	0.0080
02:00-03:00 HOUR	0.0055	0.0080	0.0085
03:00-04:00 HOUR	0.0067	0.0083	0.0083
04:00-05:00 HOUR	0.0074	0.0083	0.0098
05:00-06:00 HOUR	0.0084	0.0089	0.0097
06:00-07:00 HOUR	0.0092	0.0085	0.0105
07:00-08:00 HOUR	0.0090	0.0088	0.0088
08:00-09:00 HOUR	0.0083	0.0096	0.0083
09:00-10:00 HOUR	0.0075	0.0110	0.0067
10:00-11:00 HOUR	0.0076	0.0101	0.0061
11:00-12:00 HOUR	0.0082	0.0100	0.0055
12:00-13:00 HOUR	0.0079	0.0100	0.0051
13:00-14:00 HOUR	0.0087	0.0111	0.0049
AVERAGE 24 HOUR	0.0066	0.0089	0.0081

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

DECEMBER 17, 2021

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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING PLACE : TRE-1-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : DECEMBER 1-4, 2021
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR CHATCHAWAN LUEANLONG

RECEIVED DATE : DECEMBER 1-4, 2021
ANALYTICAL DATE : DECEMBER 1-4, 2021
REPORT NO. : 2021-U94399
WORK NO. : 2021-008594
ANALYSIS NO. : T21AX921-0001 - T21AX921-0003

TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	TRE-1-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)		
	DECEMBER 1 - 2, 2021 T21AX921-0001	DECEMBER 2 - 3, 2021 T21AX921-0002	DECEMBER 3 - 4, 2021 T21AX921-0003
14:00-15:00 HOUR	0.0018	0.0019	0.0020
15:00-16:00 HOUR	0.0016	0.0019	0.0020
16:00-17:00 HOUR	0.0017	0.0019	0.0020
17:00-18:00 HOUR	0.0017	0.0019	0.0018
18:00-19:00 HOUR	0.0017	0.0018	0.0017
19:00-20:00 HOUR	0.0017	0.0018	0.0016
20:00-21:00 HOUR	0.0017	0.0018	0.0017
21:00-22:00 HOUR	0.0019	0.0019	0.0020
22:00-23:00 HOUR	0.0019	0.0019	0.0020
23:00-00:00 HOUR	0.0022	0.0020	0.0020
00:00-01:00 HOUR	0.0021	0.0020	0.0020
01:00-02:00 HOUR	0.0021	0.0019	0.0020
02:00-03:00 HOUR	0.0021	0.0019	0.0022
03:00-04:00 HOUR	0.0022	0.0018	0.0021
04:00-05:00 HOUR	0.0021	0.0017	0.0021
05:00-06:00 HOUR	0.0019	0.0017	0.0020
06:00-07:00 HOUR	0.0018	0.0019	0.0018
07:00-08:00 HOUR	0.0018	0.0019	0.0016
08:00-09:00 HOUR	0.0018	0.0019	0.0015
09:00-10:00 HOUR	0.0017	0.0020	0.0016
10:00-11:00 HOUR	0.0016	0.0020	0.0017
11:00-12:00 HOUR	0.0018	0.0019	0.0019
12:00-13:00 HOUR	0.0018	0.0017	0.0019
13:00-14:00 HOUR	0.0020	0.0018	0.0021
AVERAGE 24 HOUR	0.0019	0.0019	0.0019

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

DECEMBER 17, 2021

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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING PLACE : TRE-1-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : DECEMBER 1-4, 2021
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR CHATCHAWAN LUEANLONG

RECEIVED DATE : DECEMBER 1-4, 2021
ANALYTICAL DATE : DECEMBER 1-4, 2021
REPORT NO. : 2021-U94401
WORK NO. : 2021-008594
ANALYSIS NO. : T21AX921-0004 - T21AX921-0006

TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	TRE-1-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)		
	DECEMBER 1 - 2, 2021 T21AX921-0004	DECEMBER 2 - 3, 2021 T21AX921-0005	DECEMBER 3 - 4, 2021 T21AX921-0006
14:00-15:00 HOUR	0.0019	0.0017	0.0022
15:00-16:00 HOUR	0.0020	0.0016	0.0022
16:00-17:00 HOUR	0.0021	0.0017	0.0023
17:00-18:00 HOUR	0.0021	0.0018	0.0021
18:00-19:00 HOUR	0.0020	0.0020	0.0020
19:00-20:00 HOUR	0.0018	0.0020	0.0020
20:00-21:00 HOUR	0.0019	0.0018	0.0020
21:00-22:00 HOUR	0.0019	0.0019	0.0018
22:00-23:00 HOUR	0.0019	0.0019	0.0016
23:00-00:00 HOUR	0.0018	0.0019	0.0016
00:00-01:00 HOUR	0.0019	0.0019	0.0017
01:00-02:00 HOUR	0.0018	0.0018	0.0018
02:00-03:00 HOUR	0.0019	0.0020	0.0020
03:00-04:00 HOUR	0.0018	0.0018	0.0020
04:00-05:00 HOUR	0.0019	0.0019	0.0019
05:00-06:00 HOUR	0.0017	0.0019	0.0018
06:00-07:00 HOUR	0.0017	0.0020	0.0020
07:00-08:00 HOUR	0.0018	0.0021	0.0019
08:00-09:00 HOUR	0.0018	0.0020	0.0018
09:00-10:00 HOUR	0.0018	0.0018	0.0018
10:00-11:00 HOUR	0.0018	0.0017	0.0020
11:00-12:00 HOUR	0.0017	0.0018	0.0019
12:00-13:00 HOUR	0.0018	0.0020	0.0018
13:00-14:00 HOUR	0.0016	0.0021	0.0017
AVERAGE 24 HOUR	0.0019	0.0019	0.0019

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

DECEMBER 17, 2021

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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING PLACE : TRE-1-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : DECEMBER 1-4, 2021
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR CHATCHAWAN LUEANLONG

RECEIVED DATE : DECEMBER 1-4, 2021
ANALYTICAL DATE : DECEMBER 1-4, 2021
REPORT NO. : 2021-U94402
WORK NO. : 2021-008594
ANALYSIS NO. : T21AX921-0001 - T21AX921-0003

TIME *	RESULT (m/s)					
	TRE-1-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)					
	DECEMBER 1 - 2, 2021 T21AX921-0001		DECEMBER 2 - 3, 2021 T21AX921-0002		DECEMBER 3 - 4, 2021 T21AX921-0003	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
14:00-15:00 HOUR	1.7	NE	1.7	ENE	1.8	NNE
15:00-16:00 HOUR	2.1	NE	0.7	NNE	0.8	NE
16:00-17:00 HOUR	2.3	NE	1.1	NE	1.4	NNE
17:00-18:00 HOUR	2.1	NNE	1.9	NE	1.6	ENE
18:00-19:00 HOUR	2.0	NNE	2.1	ENE	2.0	NNE
19:00-20:00 HOUR	2.2	NNE	1.6	NE	1.3	NE
20:00-21:00 HOUR	1.6	NNE	0.6	NE	2.3	ENE
21:00-22:00 HOUR	1.1	NNE	1.1	N	1.9	ENE
22:00-23:00 HOUR	1.8	NNE	2.3	NNE	1.4	NNE
23:00-00:00 HOUR	1.5	N	0.9	NNE	0.5	NNE
00:00-01:00 HOUR	1.2	NNE	1.5	ENE	0.7	ENE
01:00-02:00 HOUR	1.3	NNE	0.7	NNE	1.7	NNE
02:00-03:00 HOUR	1.0	N	1.1	ENE	1.4	NE
03:00-04:00 HOUR	1.4	ENE	0.8	NE	1.2	NE
04:00-05:00 HOUR	1.2	NE	1.6	NNE	1.0	ENE
05:00-06:00 HOUR	1.5	ENE	1.3	NNE	2.1	NE
06:00-07:00 HOUR	1.3	NNE	1.6	ENE	1.8	NE
07:00-08:00 HOUR	1.2	NE	1.5	NE	1.3	NE
08:00-09:00 HOUR	1.3	NE	1.9	NNE	0.8	ENE
09:00-10:00 HOUR	1.8	NE	2.1	NE	0.7	NNE
10:00-11:00 HOUR	0.9	NNE	1.5	NE	2.2	NE
11:00-12:00 HOUR	1.1	NE	0.7	ENE	2.1	ENE
12:00-13:00 HOUR	2.2	NE	1.2	ENE	0.6	NNE
13:00-14:00 HOUR	2.0	NNE	2.3	NE	1.1	NNE

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

DECEMBER 17, 2021

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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 : TRE-1-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : DECEMBER 1-4, 2021
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR CHATCHAWAN LUEANLONG

RECEIVED DATE : DECEMBER 1-4, 2021
ANALYTICAL DATE : DECEMBER 1-4, 2021
REPORT NO. : 2021-U94403
WORK NO. : 2021-008594
ANALYSIS NO. : T21AX921-0004 - T21AX921-0006

TIME *	RESULT (m/s)					
	TRE-1-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)					
	DECEMBER 1 - 2, 2021 T21AX921-0004		DECEMBER 2 - 3, 2021 T21AX921-0005		DECEMBER 3 - 4, 2021 T21AX921-0006	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
14:00-15:00 HOUR	2.3	NE	2.2	NNE	1.5	NNE
15:00-16:00 HOUR	1.1	NE	2.1	NE	1.8	NE
16:00-17:00 HOUR	1.3	ENE	1.8	NNE	1.6	NE
17:00-18:00 HOUR	1.5	NE	1.1	NE	2.1	NNE
18:00-19:00 HOUR	1.3	NNE	1.4	NNE	1.9	NNE
19:00-20:00 HOUR	1.9	NE	2.2	NE	2.0	NE
20:00-21:00 HOUR	1.7	NE	2.1	NE	1.1	ENE
21:00-22:00 HOUR	1.5	NNE	1.1	NNE	1.1	NNE
22:00-23:00 HOUR	1.1	NE	1.9	NE	2.2	NNE
23:00-00:00 HOUR	1.2	NNE	2.2	NNE	2.1	NNE
00:00-01:00 HOUR	2.1	NNE	1.6	NNE	1.6	NE
01:00-02:00 HOUR	2.2	NNE	2.1	N	1.5	NE
02:00-03:00 HOUR	2.2	NNE	2.2	NE	1.8	NNE
03:00-04:00 HOUR	1.5	ENE	1.8	NE	1.5	NE
04:00-05:00 HOUR	1.7	N	1.8	ENE	1.2	NNE
05:00-06:00 HOUR	1.1	ENE	1.0	NE	1.1	N
06:00-07:00 HOUR	1.6	NNE	1.3	NNE	1.7	NNE
07:00-08:00 HOUR	2.1	NE	1.8	NNE	2.0	NNE
08:00-09:00 HOUR	1.6	NNE	1.4	ENE	2.0	NE
09:00-10:00 HOUR	1.5	NNE	1.9	NE	1.3	NE
10:00-11:00 HOUR	1.3	NE	2.3	NE	1.7	NNE
11:00-12:00 HOUR	1.4	NE	1.9	NE	1.6	NE
12:00-13:00 HOUR	1.7	NE	1.3	NE	1.9	NNE
13:00-14:00 HOUR	1.8	NNE	2.2	NNE	1.3	NNE

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

DECEMBER 17, 2021

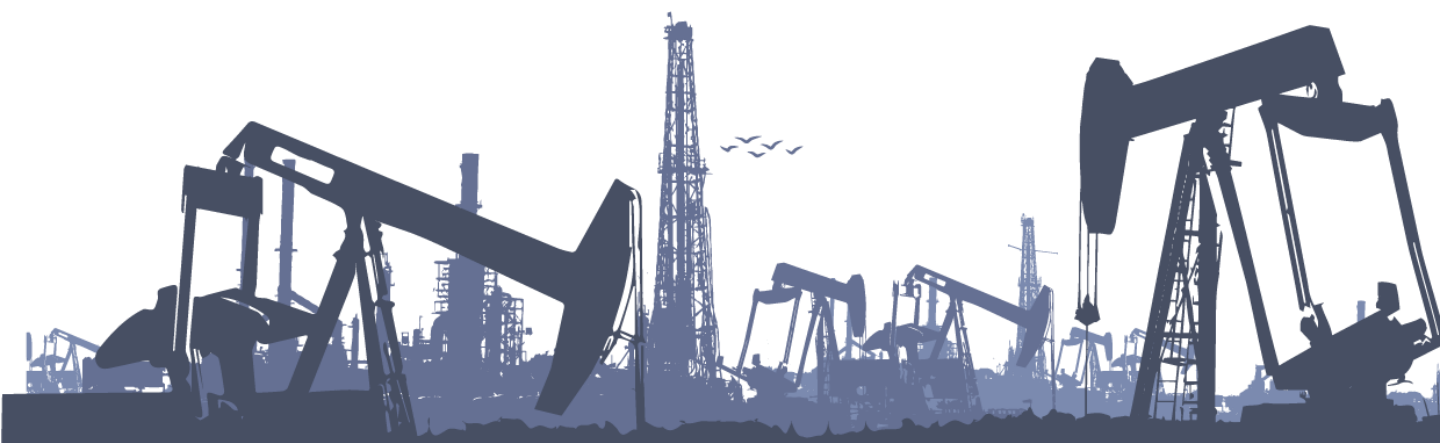
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ANALYSIS REPORT

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 SOURCE : TRE-1-N1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (NOISE) **RECEIVED DATE** : DECEMBER 1-4, 2021
MEASURING DATE : DECEMBER 1-4, 2021 **ANALYTICAL DATE** : DECEMBER 1-4, 2021
MEASURING TIME : * **REPORT NO.** : 2021-U94404
MEASURING METHOD : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2021-008594
MEASURED BY : MR CHATCHAWAN LUEANLONG **ANALYSIS NO.** : T21AX922-0001 - T21AX922-0003

TIME*	RESULT dB(A)		
	TRE-1-N1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)		
	DECEMBER 1 - 2, 2021		
	T21AX922-0001		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
14:00-15:00 HOUR	48.4	64.1	43.5
15:00-16:00 HOUR	46.1	60.6	42.8
16:00-17:00 HOUR	45.8	60.1	42.4
17:00-18:00 HOUR	46.6	72.0	41.7
18:00-19:00 HOUR	45.8	54.5	43.9
19:00-20:00 HOUR	44.7	55.7	43.3
20:00-21:00 HOUR	44.3	57.3	43.5
21:00-22:00 HOUR	44.2	46.1	43.9
22:00-23:00 HOUR	45.4	48.2	44.9
23:00-00:00 HOUR	44.8	51.5	44.3
00:00-01:00 HOUR	44.1	46.7	43.4
01:00-02:00 HOUR	44.3	46.4	44.0
02:00-03:00 HOUR	44.5	53.3	43.7
03:00-04:00 HOUR	44.7	57.1	43.7
04:00-05:00 HOUR	45.9	61.5	44.5
05:00-06:00 HOUR	45.7	64.0	44.2
06:00-07:00 HOUR	49.5	66.6	44.0
07:00-08:00 HOUR	47.2	67.3	43.5
08:00-09:00 HOUR	45.3	58.9	42.3
09:00-10:00 HOUR	45.8	70.2	42.1
10:00-11:00 HOUR	46.2	56.2	43.7
11:00-12:00 HOUR	45.3	53.3	43.5
12:00-13:00 HOUR	44.9	56.9	42.7
13:00-14:00 HOUR	44.0	46.2	43.4
L _{Aeq} 24 hours	45.8		
L _{Adn}	52.2		

TIME*	RESULT dB(A)		
	TRE-1-N1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)		
	DECEMBER 2 - 3, 2021		
	T21AX922-0002		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
14:00-15:00 HOUR	47.9	65.0	44.1
15:00-16:00 HOUR	46.2	62.0	42.8
16:00-17:00 HOUR	46.2	59.0	41.6
17:00-18:00 HOUR	45.8	71.3	42.3
18:00-19:00 HOUR	46.0	55.7	43.7
19:00-20:00 HOUR	44.8	55.9	43.1
20:00-21:00 HOUR	44.4	58.0	43.0
21:00-22:00 HOUR	44.3	46.6	43.9
22:00-23:00 HOUR	45.6	52.2	45.1
23:00-00:00 HOUR	45.0	58.9	44.0
00:00-01:00 HOUR	44.3	51.8	43.7
01:00-02:00 HOUR	44.0	46.3	43.3
02:00-03:00 HOUR	44.2	46.8	43.7
03:00-04:00 HOUR	45.5	60.5	44.3
04:00-05:00 HOUR	45.7	63.3	44.7
05:00-06:00 HOUR	45.3	60.6	44.0
06:00-07:00 HOUR	48.7	65.5	44.0
07:00-08:00 HOUR	48.1	65.0	43.2
08:00-09:00 HOUR	45.2	57.9	42.0
09:00-10:00 HOUR	48.3	70.4	41.1
10:00-11:00 HOUR	46.1	57.1	43.5
11:00-12:00 HOUR	45.9	56.3	43.1
12:00-13:00 HOUR	44.9	60.7	41.6
13:00-14:00 HOUR	45.6	58.5	44.1
L _{Aeq} 24 hours	46.0		
L _{Adn}	52.1		



TIME*	RESULT dB(A)		
	TRE-1-N1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)		
	DECEMBER 3 - 4, 2021		
	T21AX922-0003		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
14:00-15:00 HOUR	45.4	56.9	43.5
15:00-16:00 HOUR	47.9	66.0	43.1
16:00-17:00 HOUR	47.4	61.8	43.5
17:00-18:00 HOUR	46.9	61.0	42.3
18:00-19:00 HOUR	45.9	65.2	42.2
19:00-20:00 HOUR	46.8	61.2	43.0
20:00-21:00 HOUR	45.9	56.2	43.9
21:00-22:00 HOUR	45.3	55.9	42.9
22:00-23:00 HOUR	45.6	49.2	45.4
23:00-00:00 HOUR	44.6	46.9	44.3
00:00-01:00 HOUR	44.4	47.8	43.9
01:00-02:00 HOUR	43.8	45.8	43.5
02:00-03:00 HOUR	44.3	49.6	43.8
03:00-04:00 HOUR	45.2	61.0	43.9
04:00-05:00 HOUR	45.4	60.3	44.2
05:00-06:00 HOUR	45.4	65.4	44.1
06:00-07:00 HOUR	48.4	63.7	43.6
07:00-08:00 HOUR	47.4	65.3	43.6
08:00-09:00 HOUR	44.6	57.8	42.2
09:00-10:00 HOUR	44.7	61.3	41.0
10:00-11:00 HOUR	47.0	61.1	42.5
11:00-12:00 HOUR	46.1	55.2	43.9
12:00-13:00 HOUR	45.5	57.0	42.5
13:00-14:00 HOUR	44.5	53.9	42.7
L _{Aeq} 24 hours	45.9		
L _{Adn}	52.0		

Sila Banjongjairuk

(MR. SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

DECEMBER 17, 2021

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 : TRE-1-N1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (ANNOYANCE NOISE) **RECEIVED DATE** : DECEMBER 1-4, 2021
MEASURING DATE : DECEMBER 1-4, 2021 **ANALYTICAL DATE** : DECEMBER 1-4, 2021
MEASURING TIME : * **REPORT NO.** : 2021-U94405
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION **WORK NO.** : 2021-008594
MEASURED BY : MR CHATCHAWAN LUEANLONG **ANALYSIS NO.** : T21AX922-0001 - T21AX922-0003

DATE	TIME*	RESULT (dB(A))				
		TRE-1-N1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 1, 2021	DAY TIME ^{1/}					
T21AX922-0001	14:00-15:00 HOUR	48.4 ^{1/}	41.4 **	47.4 ^{1/}	40.1 **	7.3
	15:00-16:00 HOUR	46.1 ^{1/}	41.4 **	44.6 ^{1/}	40.1 **	4.5
	16:00-17:00 HOUR	45.8 ^{1/}	41.4 **	43.8 ^{1/}	40.1 **	3.7
	17:00-18:00 HOUR	46.6 ^{1/}	41.4 **	45.1 ^{1/}	40.1 **	5.0
	18:00-19:00 HOUR	45.8 ^{1/}	41.4 **	43.8 ^{1/}	40.1 **	3.7
	19:00-20:00 HOUR	44.7 ^{1/}	41.4 **	41.7 ^{1/}	40.1 **	1.6
	20:00-21:00 HOUR	44.3 ^{1/}	41.4 **	41.3 ^{1/}	40.1 **	1.2
	21:00-22:00 HOUR	44.2 ^{1/}	41.4 **	41.2 ^{1/}	40.1 **	1.1
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	45.8 ^{2/}	43.9 ***	44.3 ^{2/}	43.2 ***	1.1
	22:05-22:10 HOUR	45.0 ^{2/}	43.9 ***	41.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	22:10-22:15 HOUR	45.2 ^{2/}	43.9 ***	41.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	22:15-22:20 HOUR	46.0 ^{2/}	43.9 ***	44.5 ^{2/}	43.2 ***	1.3
	22:20-22:25 HOUR	46.2 ^{2/}	43.9 ***	44.7 ^{2/}	43.2 ***	1.5
	22:25-22:30 HOUR	45.1 ^{2/}	43.9 ***	41.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	22:30-22:35 HOUR	44.4 ^{2/}	43.9 ***	40.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	22:35-22:40 HOUR	45.7 ^{2/}	43.9 ***	44.2 ^{2/}	43.2 ***	1.0
	22:40-22:45 HOUR	45.3 ^{2/}	43.9 ***	41.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	22:45-22:50 HOUR	45.3 ^{2/}	43.9 ***	41.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	22:50-22:55 HOUR	45.5 ^{2/}	43.9 ***	44.0 ^{2/}	43.2 ***	0.8
	22:55-23:00 HOUR	45.1 ^{2/}	43.9 ***	41.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:00-23:05 HOUR	45.6 ^{2/}	43.9 ***	44.1 ^{2/}	43.2 ***	0.9
	23:05-23:10 HOUR	44.3 ^{2/}	43.9 ***	40.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:10-23:15 HOUR	44.6 ^{2/}	43.9 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:15-23:20 HOUR	45.3 ^{2/}	43.9 ***	41.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:20-23:25 HOUR	44.6 ^{2/}	43.9 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:25-23:30 HOUR	44.9 ^{2/}	43.9 ***	40.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:30-23:35 HOUR	44.3 ^{2/}	43.9 ***	40.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:35-23:40 HOUR	45.5 ^{2/}	43.9 ***	44.0 ^{2/}	43.2 ***	0.8
	23:40-23:45 HOUR	44.8 ^{2/}	43.9 ***	40.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:45-23:50 HOUR	45.3 ^{2/}	43.9 ***	41.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:50-23:55 HOUR	43.6 ^{2/}	43.9 ***	39.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:55-00:00 HOUR	44.6 ^{2/}	43.9 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}



DATE	TIME*	RESULT (dB(A))				
		TRE-1-N1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 2, 2021	NIGHT TIME ^{2/}					
T21AX922-0001	00:00-00:05 HOUR	44.7 ^{2/}	43.9 ***	40.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:05-00:10 HOUR	45.4 ^{2/}	43.9 ***	41.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:10-00:15 HOUR	45.0 ^{2/}	43.9 ***	41.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:15-00:20 HOUR	43.8 ^{2/}	43.9 ***	39.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:20-00:25 HOUR	43.3 ^{2/}	43.9 ***	39.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:25-00:30 HOUR	43.1 ^{2/}	43.9 ***	39.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:30-00:35 HOUR	44.0 ^{2/}	43.9 ***	40.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:35-00:40 HOUR	44.5 ^{2/}	43.9 ***	40.5 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:40-00:45 HOUR	43.9 ^{2/}	43.9 ***	39.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:45-00:50 HOUR	43.7 ^{2/}	43.9 ***	39.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:50-00:55 HOUR	43.1 ^{2/}	43.9 ***	39.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:55-01:00 HOUR	44.5 ^{2/}	43.9 ***	40.5 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:00-01:05 HOUR	43.9 ^{2/}	43.9 ***	39.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:05-01:10 HOUR	44.9 ^{2/}	43.9 ***	40.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	44.2 ^{2/}	43.9 ***	40.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	43.0 ^{2/}	43.9 ***	39.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:20-01:25 HOUR	44.3 ^{2/}	43.9 ***	40.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	44.6 ^{2/}	43.9 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:30-01:35 HOUR	44.0 ^{2/}	43.9 ***	40.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	44.4 ^{2/}	43.9 ***	40.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:40-01:45 HOUR	44.4 ^{2/}	43.9 ***	40.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:45-01:50 HOUR	43.4 ^{2/}	43.9 ***	39.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:50-01:55 HOUR	45.2 ^{2/}	43.9 ***	41.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:55-02:00 HOUR	44.8 ^{2/}	43.9 ***	40.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:00-02:05 HOUR	44.7 ^{2/}	43.9 ***	40.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	43.4 ^{2/}	43.9 ***	39.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:10-02:15 HOUR	43.7 ^{2/}	43.9 ***	39.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:15-02:20 HOUR	44.9 ^{2/}	43.9 ***	40.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:20-02:25 HOUR	44.6 ^{2/}	43.9 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	44.2 ^{2/}	43.9 ***	40.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:30-02:35 HOUR	44.0 ^{2/}	43.9 ***	40.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:35-02:40 HOUR	44.0 ^{2/}	43.9 ***	40.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:40-02:45 HOUR	46.3 ^{2/}	43.9 ***	44.8 ^{2/}	43.2 ***	1.6
	02:45-02:50 HOUR	43.7 ^{2/}	43.9 ***	39.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	45.1 ^{2/}	43.9 ***	41.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:55-03:00 HOUR	43.9 ^{2/}	43.9 ***	39.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:00-03:05 HOUR	44.4 ^{2/}	43.9 ***	40.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:05-03:10 HOUR	44.8 ^{2/}	43.9 ***	40.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:10-03:15 HOUR	45.9 ^{2/}	43.9 ***	44.4 ^{2/}	43.2 ***	1.2
	03:15-03:20 HOUR	45.4 ^{2/}	43.9 ***	43.9 ^{2/}	43.2 ***	0.7
	03:20-03:25 HOUR	43.9 ^{2/}	43.9 ***	39.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:25-03:30 HOUR	45.2 ^{2/}	43.9 ***	41.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:30-03:35 HOUR	45.2 ^{2/}	43.9 ***	41.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:35-03:40 HOUR	43.7 ^{2/}	43.9 ***	39.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:40-03:45 HOUR	45.0 ^{2/}	43.9 ***	41.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}

DATE	TIME*	RESULT (dB(A))				
		TRE-1-N1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 2, 2021	NIGHT TIME ^{2/}					
T21AX922-0001	03:45-03:50 HOUR	44.8 ^{2/}	43.9 ***	40.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:50-03:55 HOUR	43.2 ^{2/}	43.9 ***	39.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:55-04:00 HOUR	43.5 ^{2/}	43.9 ***	39.5 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:00-04:05 HOUR	44.6 ^{2/}	43.9 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:05-04:10 HOUR	45.0 ^{2/}	43.9 ***	41.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:10-04:15 HOUR	44.4 ^{2/}	43.9 ***	40.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:15-04:20 HOUR	47.3 ^{2/}	43.9 ***	47.3 ^{2/}	43.2 ***	4.1
	04:20-04:25 HOUR	45.6 ^{2/}	43.9 ***	44.1 ^{2/}	43.2 ***	0.9
	04:25-04:30 HOUR	46.0 ^{2/}	43.9 ***	44.5 ^{2/}	43.2 ***	1.3
	04:30-04:35 HOUR	44.3 ^{2/}	43.9 ***	40.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:35-04:40 HOUR	44.9 ^{2/}	43.9 ***	40.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:40-04:45 HOUR	45.8 ^{2/}	43.9 ***	44.3 ^{2/}	43.2 ***	1.1
	04:45-04:50 HOUR	45.3 ^{2/}	43.9 ***	41.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:50-04:55 HOUR	49.2 ^{2/}	43.9 ***	50.7 ^{2/}	43.2 ***	7.5
	04:55-05:00 HOUR	46.2 ^{2/}	43.9 ***	44.7 ^{2/}	43.2 ***	1.5
	05:00-05:05 HOUR	44.4 ^{2/}	43.9 ***	40.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:05-05:10 HOUR	44.8 ^{2/}	43.9 ***	40.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:10-05:15 HOUR	44.6 ^{2/}	43.9 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:15-05:20 HOUR	44.5 ^{2/}	43.9 ***	40.5 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:20-05:25 HOUR	47.5 ^{2/}	43.9 ***	48.5 ^{2/}	43.2 ***	5.3
	05:25-05:30 HOUR	47.3 ^{2/}	43.9 ***	47.3 ^{2/}	43.2 ***	4.1
	05:30-05:35 HOUR	46.9 ^{2/}	43.9 ***	46.9 ^{2/}	43.2 ***	3.7
	05:35-05:40 HOUR	44.0 ^{2/}	43.9 ***	40.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:40-05:45 HOUR	45.4 ^{2/}	43.9 ***	43.9 ^{2/}	43.2 ***	0.7
	05:45-05:50 HOUR	45.3 ^{2/}	43.9 ***	41.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:50-05:55 HOUR	45.9 ^{2/}	43.9 ***	44.4 ^{2/}	43.2 ***	1.2
	05:55-06:00 HOUR	46.1 ^{2/}	43.9 ***	44.6 ^{2/}	43.2 ***	1.4
	DAY TIME ^{1/}					
	06:00-07:00 HOUR	49.5 ^{1/}	41.4 **	49.0 ^{1/}	40.1 **	8.9
	07:00-08:00 HOUR	47.2 ^{1/}	44.0 **	44.2 ^{1/}	43.1 **	1.1
	08:00-09:00 HOUR	45.3 ^{1/}	44.0 **	38.3 ^{1/}	43.1 **	NOT SIGNIFICANT ^{3/}
	09:00-10:00 HOUR	45.8 ^{1/}	44.0 **	41.3 ^{1/}	43.1 **	NOT SIGNIFICANT ^{3/}
	10:00-11:00 HOUR	46.2 ^{1/}	44.0 **	41.7 ^{1/}	43.1 **	NOT SIGNIFICANT ^{3/}
	11:00-12:00 HOUR	45.3 ^{1/}	44.0 **	38.3 ^{1/}	43.1 **	NOT SIGNIFICANT ^{3/}
	12:00-13:00 HOUR	44.9 ^{1/}	44.0 **	37.9 ^{1/}	43.1 **	NOT SIGNIFICANT ^{3/}
	13:00-14:00 HOUR	44.0 ^{1/}	44.0 **	37.0 ^{1/}	43.1 **	NOT SIGNIFICANT ^{3/}
DECEMBER 2, 2021	DAY TIME ^{1/}					
T21AX922-0002	14:00-15:00 HOUR	47.9 ^{1/}	44.0 **	45.9 ^{1/}	43.1 **	2.8
	15:00-16:00 HOUR	46.2 ^{1/}	44.0 **	41.7 ^{1/}	43.1 **	NOT SIGNIFICANT ^{3/}
	16:00-17:00 HOUR	46.2 ^{1/}	44.0 **	41.7 ^{1/}	43.1 **	NOT SIGNIFICANT ^{3/}
	17:00-18:00 HOUR	45.8 ^{1/}	44.0 **	41.3 ^{1/}	43.1 **	NOT SIGNIFICANT ^{3/}
	18:00-19:00 HOUR	46.0 ^{1/}	44.0 **	41.5 ^{1/}	43.1 **	NOT SIGNIFICANT ^{3/}
	19:00-20:00 HOUR	44.8 ^{1/}	44.0 **	37.8 ^{1/}	43.1 **	NOT SIGNIFICANT ^{3/}
	20:00-21:00 HOUR	44.4 ^{1/}	44.0 **	37.4 ^{1/}	43.1 **	NOT SIGNIFICANT ^{3/}
	21:00-22:00 HOUR	44.3 ^{1/}	44.0 **	37.3 ^{1/}	43.1 **	NOT SIGNIFICANT ^{3/}

DATE	TIME*	RESULT (dB(A))				
		TRE-1-N1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 2, 2021	NIGHT TIME ^{2/}					
T21AX922-0002	22:00-22:05 HOUR	45.9 ^{2/}	43.8 ***	44.4 ^{2/}	43.3 ***	1.1
	22:05-22:10 HOUR	47.1 ^{2/}	43.8 ***	47.1 ^{2/}	43.3 ***	3.8
	22:10-22:15 HOUR	47.4 ^{2/}	43.8 ***	48.4 ^{2/}	43.3 ***	5.1
	22:15-22:20 HOUR	45.1 ^{2/}	43.8 ***	41.1 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	22:20-22:25 HOUR	45.4 ^{2/}	43.8 ***	43.9 ^{2/}	43.3 ***	0.6
	22:25-22:30 HOUR	44.8 ^{2/}	43.8 ***	40.8 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	22:30-22:35 HOUR	44.6 ^{2/}	43.8 ***	40.6 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	22:35-22:40 HOUR	44.1 ^{2/}	43.8 ***	40.1 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	22:40-22:45 HOUR	45.4 ^{2/}	43.8 ***	43.9 ^{2/}	43.3 ***	0.6
	22:45-22:50 HOUR	44.2 ^{2/}	43.8 ***	40.2 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	22:50-22:55 HOUR	45.9 ^{2/}	43.8 ***	44.4 ^{2/}	43.3 ***	1.1
	22:55-23:00 HOUR	45.6 ^{2/}	43.8 ***	44.1 ^{2/}	43.3 ***	0.8
	23:00-23:05 HOUR	45.4 ^{2/}	43.8 ***	43.9 ^{2/}	43.3 ***	0.6
	23:05-23:10 HOUR	43.9 ^{2/}	43.8 ***	39.9 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	23:10-23:15 HOUR	44.1 ^{2/}	43.8 ***	40.1 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	23:15-23:20 HOUR	44.2 ^{2/}	43.8 ***	40.2 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	23:20-23:25 HOUR	44.3 ^{2/}	43.8 ***	40.3 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	23:25-23:30 HOUR	45.1 ^{2/}	43.8 ***	41.1 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	23:30-23:35 HOUR	46.0 ^{2/}	43.8 ***	44.5 ^{2/}	43.3 ***	1.2
	23:35-23:40 HOUR	45.7 ^{2/}	43.8 ***	44.2 ^{2/}	43.3 ***	0.9
	23:40-23:45 HOUR	44.3 ^{2/}	43.8 ***	40.3 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	23:45-23:50 HOUR	45.0 ^{2/}	43.8 ***	41.0 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	23:50-23:55 HOUR	43.8 ^{2/}	43.8 ***	39.8 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	23:55-00:00 HOUR	47.2 ^{2/}	43.8 ***	47.2 ^{2/}	43.3 ***	3.9
DECEMBER 3, 2021	NIGHT TIME ^{2/}					
T21AX922-0002	00:00-00:05 HOUR	44.8 ^{2/}	43.8 ***	40.8 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	00:05-00:10 HOUR	44.3 ^{2/}	43.8 ***	40.3 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	00:10-00:15 HOUR	45.0 ^{2/}	43.8 ***	41.0 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	00:15-00:20 HOUR	44.9 ^{2/}	43.8 ***	40.9 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	00:20-00:25 HOUR	44.2 ^{2/}	43.8 ***	40.2 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	00:25-00:30 HOUR	43.4 ^{2/}	43.8 ***	39.4 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	00:30-00:35 HOUR	44.4 ^{2/}	43.8 ***	40.4 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	00:35-00:40 HOUR	43.9 ^{2/}	43.8 ***	39.9 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	00:40-00:45 HOUR	44.3 ^{2/}	43.8 ***	40.3 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	00:45-00:50 HOUR	44.7 ^{2/}	43.8 ***	40.7 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	00:50-00:55 HOUR	43.2 ^{2/}	43.8 ***	39.2 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	00:55-01:00 HOUR	43.8 ^{2/}	43.8 ***	39.8 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	01:00-01:05 HOUR	43.2 ^{2/}	43.8 ***	39.2 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	01:05-01:10 HOUR	44.4 ^{2/}	43.8 ***	40.4 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	44.9 ^{2/}	43.8 ***	40.9 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	43.3 ^{2/}	43.8 ***	39.3 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	01:20-01:25 HOUR	44.8 ^{2/}	43.8 ***	40.8 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	43.8 ^{2/}	43.8 ***	39.8 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	01:30-01:35 HOUR	43.4 ^{2/}	43.8 ***	39.4 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	42.9 ^{2/}	43.8 ***	38.9 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}

DATE	TIME*	RESULT (dB(A))				
		TRE-1-N1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 3, 2021	NIGHT TIME ^{2/}					
T21AX922-0002	01:40-01:45 HOUR	43.7 ^{2/}	43.8 ***	39.7 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	01:45-01:50 HOUR	44.2 ^{2/}	43.8 ***	40.2 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	01:50-01:55 HOUR	43.4 ^{2/}	43.8 ***	39.4 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	01:55-02:00 HOUR	45.0 ^{2/}	43.8 ***	41.0 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	02:00-02:05 HOUR	45.1 ^{2/}	43.8 ***	41.1 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	44.6 ^{2/}	43.8 ***	40.6 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	02:10-02:15 HOUR	43.4 ^{2/}	43.8 ***	39.4 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	02:15-02:20 HOUR	43.6 ^{2/}	43.8 ***	39.6 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	02:20-02:25 HOUR	44.7 ^{2/}	43.8 ***	40.7 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	43.6 ^{2/}	43.8 ***	39.6 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	02:30-02:35 HOUR	43.4 ^{2/}	43.8 ***	39.4 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	02:35-02:40 HOUR	45.3 ^{2/}	43.8 ***	41.3 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	02:40-02:45 HOUR	44.1 ^{2/}	43.8 ***	40.1 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	02:45-02:50 HOUR	44.1 ^{2/}	43.8 ***	40.1 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	44.0 ^{2/}	43.8 ***	40.0 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	02:55-03:00 HOUR	43.7 ^{2/}	43.8 ***	39.7 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	03:00-03:05 HOUR	44.3 ^{2/}	43.8 ***	40.3 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	03:05-03:10 HOUR	44.7 ^{2/}	43.8 ***	40.7 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	03:10-03:15 HOUR	46.6 ^{2/}	43.8 ***	46.6 ^{2/}	43.3 ***	3.3
	03:15-03:20 HOUR	44.5 ^{2/}	43.8 ***	40.5 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	03:20-03:25 HOUR	44.4 ^{2/}	43.8 ***	40.4 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	03:25-03:30 HOUR	44.3 ^{2/}	43.8 ***	40.3 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	03:30-03:35 HOUR	45.0 ^{2/}	43.8 ***	41.0 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	03:35-03:40 HOUR	45.3 ^{2/}	43.8 ***	43.8 ^{2/}	43.3 ***	0.5
	03:40-03:45 HOUR	48.5 ^{2/}	43.8 ***	50.0 ^{2/}	43.3 ***	6.7
	03:45-03:50 HOUR	45.8 ^{2/}	43.8 ***	44.3 ^{2/}	43.3 ***	1.0
	03:50-03:55 HOUR	44.7 ^{2/}	43.8 ***	40.7 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	03:55-04:00 HOUR	45.5 ^{2/}	43.8 ***	44.0 ^{2/}	43.3 ***	0.7
	04:00-04:05 HOUR	45.5 ^{2/}	43.8 ***	44.0 ^{2/}	43.3 ***	0.7
	04:05-04:10 HOUR	45.1 ^{2/}	43.8 ***	41.1 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	04:10-04:15 HOUR	45.7 ^{2/}	43.8 ***	44.2 ^{2/}	43.3 ***	0.9
	04:15-04:20 HOUR	45.2 ^{2/}	43.8 ***	41.2 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	04:20-04:25 HOUR	45.0 ^{2/}	43.8 ***	41.0 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	04:25-04:30 HOUR	44.2 ^{2/}	43.8 ***	40.2 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	04:30-04:35 HOUR	47.1 ^{2/}	43.8 ***	47.1 ^{2/}	43.3 ***	3.8
	04:35-04:40 HOUR	45.1 ^{2/}	43.8 ***	41.1 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	04:40-04:45 HOUR	44.7 ^{2/}	43.8 ***	40.7 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	04:45-04:50 HOUR	45.5 ^{2/}	43.8 ***	44.0 ^{2/}	43.3 ***	0.7
	04:50-04:55 HOUR	48.8 ^{2/}	43.8 ***	50.3 ^{2/}	43.3 ***	7.0
	04:55-05:00 HOUR	44.5 ^{2/}	43.8 ***	40.5 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	05:00-05:05 HOUR	45.4 ^{2/}	43.8 ***	43.9 ^{2/}	43.3 ***	0.6
	05:05-05:10 HOUR	46.0 ^{2/}	43.8 ***	44.5 ^{2/}	43.3 ***	1.2
	05:10-05:15 HOUR	47.4 ^{2/}	43.8 ***	48.4 ^{2/}	43.3 ***	5.1
	05:15-05:20 HOUR	43.9 ^{2/}	43.8 ***	39.9 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	05:20-05:25 HOUR	44.5 ^{2/}	43.8 ***	40.5 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}

DATE	TIME*	RESULT (dB(A))				
		TRE-1-N1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 3, 2021	NIGHT TIME ^{2/}					
T21AX922-0002	05:25-05:30 HOUR	44.7 ^{2/}	43.8 ***	40.7 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	05:30-05:35 HOUR	43.3 ^{2/}	43.8 ***	39.3 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	05:35-05:40 HOUR	45.1 ^{2/}	43.8 ***	41.1 ^{2/}	43.3 ***	NOT SIGNIFICANT ^{3/}
	05:40-05:45 HOUR	45.3 ^{2/}	43.8 ***	43.8 ^{2/}	43.3 ***	0.5
	05:45-05:50 HOUR	45.5 ^{2/}	43.8 ***	44.0 ^{2/}	43.3 ***	0.7
	05:50-05:55 HOUR	45.8 ^{2/}	43.8 ***	44.3 ^{2/}	43.3 ***	1.0
	05:55-06:00 HOUR	45.5 ^{2/}	43.8 ***	44.0 ^{2/}	43.3 ***	0.7
	DAY TIME ^{1/}					
	06:00-07:00 HOUR	48.7 ^{1/}	44.0 **	47.2 ^{1/}	43.1 **	4.1
	07:00-08:00 HOUR	48.1 ^{1/}	43.9 **	46.1 ^{1/}	43.3 **	2.8
	08:00-09:00 HOUR	45.2 ^{1/}	43.9 **	38.2 ^{1/}	43.3 **	NOT SIGNIFICANT ^{3/}
	09:00-10:00 HOUR	48.3 ^{1/}	43.9 **	46.3 ^{1/}	43.3 **	3.0
	10:00-11:00 HOUR	46.1 ^{1/}	43.9 **	41.6 ^{1/}	43.3 **	NOT SIGNIFICANT ^{3/}
	11:00-12:00 HOUR	45.9 ^{1/}	43.9 **	41.4 ^{1/}	43.3 **	NOT SIGNIFICANT ^{3/}
	12:00-13:00 HOUR	44.9 ^{1/}	43.9 **	37.9 ^{1/}	43.3 **	NOT SIGNIFICANT ^{3/}
	13:00-14:00 HOUR	45.6 ^{1/}	43.9 **	41.1 ^{1/}	43.3 **	NOT SIGNIFICANT ^{3/}
DECEMBER 3, 2021	DAY TIME ^{1/}					
T21AX922-0003	14:00-15:00 HOUR	45.4 ^{1/}	43.9 **	40.9 ^{1/}	43.3 **	NOT SIGNIFICANT ^{3/}
	15:00-16:00 HOUR	47.9 ^{1/}	43.9 **	45.9 ^{1/}	43.3 **	2.6
	16:00-17:00 HOUR	47.4 ^{1/}	43.9 **	45.4 ^{1/}	43.3 **	2.1
	17:00-18:00 HOUR	46.9 ^{1/}	43.9 **	43.9 ^{1/}	43.3 **	0.6
	18:00-19:00 HOUR	45.9 ^{1/}	43.9 **	41.4 ^{1/}	43.3 **	NOT SIGNIFICANT ^{3/}
	19:00-20:00 HOUR	46.8 ^{1/}	43.9 **	43.8 ^{1/}	43.3 **	0.5
	20:00-21:00 HOUR	45.9 ^{1/}	43.9 **	41.4 ^{1/}	43.3 **	NOT SIGNIFICANT ^{3/}
	21:00-22:00 HOUR	45.3 ^{1/}	43.9 **	38.3 ^{1/}	43.3 **	NOT SIGNIFICANT ^{3/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	46.4 ^{2/}	43.6 ***	46.4 ^{2/}	43.2 ***	3.2
	22:05-22:10 HOUR	45.9 ^{2/}	43.6 ***	44.4 ^{2/}	43.2 ***	1.2
	22:10-22:15 HOUR	46.3 ^{2/}	43.6 ***	46.3 ^{2/}	43.2 ***	3.1
	22:15-22:20 HOUR	46.1 ^{2/}	43.6 ***	46.1 ^{2/}	43.2 ***	2.9
	22:20-22:25 HOUR	44.2 ^{2/}	43.6 ***	40.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	22:25-22:30 HOUR	44.6 ^{2/}	43.6 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	22:30-22:35 HOUR	45.5 ^{2/}	43.6 ***	44.0 ^{2/}	43.2 ***	0.8
	22:35-22:40 HOUR	44.9 ^{2/}	43.6 ***	40.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	22:40-22:45 HOUR	45.8 ^{2/}	43.6 ***	44.3 ^{2/}	43.2 ***	1.1
	22:45-22:50 HOUR	44.9 ^{2/}	43.6 ***	40.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	22:50-22:55 HOUR	46.1 ^{2/}	43.6 ***	46.1 ^{2/}	43.2 ***	2.9
	22:55-23:00 HOUR	45.6 ^{2/}	43.6 ***	44.1 ^{2/}	43.2 ***	0.9
	23:00-23:05 HOUR	45.3 ^{2/}	43.6 ***	43.8 ^{2/}	43.2 ***	0.6
	23:05-23:10 HOUR	45.2 ^{2/}	43.6 ***	43.7 ^{2/}	43.2 ***	0.5
	23:10-23:15 HOUR	45.5 ^{2/}	43.6 ***	44.0 ^{2/}	43.2 ***	0.8
	23:15-23:20 HOUR	43.4 ^{2/}	43.6 ***	39.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:20-23:25 HOUR	45.0 ^{2/}	43.6 ***	41.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:25-23:30 HOUR	44.6 ^{2/}	43.6 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:30-23:35 HOUR	43.9 ^{2/}	43.6 ***	39.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}

DATE	TIME*	RESULT (dB(A))				
		TRE-1-N1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 3, 2021	NIGHT TIME ^{2/}					
T21AX922-0003	23:35-23:40 HOUR	45.0 ^{2/}	43.6 ***	41.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:40-23:45 HOUR	45.1 ^{2/}	43.6 ***	43.6 ^{2/}	43.2 ***	0.4
	23:45-23:50 HOUR	43.8 ^{2/}	43.6 ***	39.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:50-23:55 HOUR	43.7 ^{2/}	43.6 ***	39.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:55-00:00 HOUR	43.7 ^{2/}	43.6 ***	39.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
DECEMBER 4, 2021	NIGHT TIME ^{2/}					
T21AX922-0003	00:00-00:05 HOUR	43.8 ^{2/}	43.6 ***	39.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:05-00:10 HOUR	44.0 ^{2/}	43.6 ***	40.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:10-00:15 HOUR	43.8 ^{2/}	43.6 ***	39.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:15-00:20 HOUR	45.4 ^{2/}	43.6 ***	43.9 ^{2/}	43.2 ***	0.7
	00:20-00:25 HOUR	44.6 ^{2/}	43.6 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:25-00:30 HOUR	44.8 ^{2/}	43.6 ***	40.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:30-00:35 HOUR	43.1 ^{2/}	43.6 ***	39.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:35-00:40 HOUR	44.7 ^{2/}	43.6 ***	40.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:40-00:45 HOUR	44.2 ^{2/}	43.6 ***	40.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:45-00:50 HOUR	44.3 ^{2/}	43.6 ***	40.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:50-00:55 HOUR	44.6 ^{2/}	43.6 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:55-01:00 HOUR	45.2 ^{2/}	43.6 ***	43.7 ^{2/}	43.2 ***	0.5
	01:00-01:05 HOUR	44.2 ^{2/}	43.6 ***	40.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:05-01:10 HOUR	43.0 ^{2/}	43.6 ***	39.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	43.0 ^{2/}	43.6 ***	39.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	44.6 ^{2/}	43.6 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:20-01:25 HOUR	43.6 ^{2/}	43.6 ***	39.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	42.8 ^{2/}	43.6 ***	38.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:30-01:35 HOUR	43.5 ^{2/}	43.6 ***	39.5 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	44.7 ^{2/}	43.6 ***	40.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:40-01:45 HOUR	43.9 ^{2/}	43.6 ***	39.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:45-01:50 HOUR	44.2 ^{2/}	43.6 ***	40.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:50-01:55 HOUR	44.0 ^{2/}	43.6 ***	40.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:55-02:00 HOUR	43.8 ^{2/}	43.6 ***	39.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:00-02:05 HOUR	44.9 ^{2/}	43.6 ***	40.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	43.3 ^{2/}	43.6 ***	39.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:10-02:15 HOUR	44.4 ^{2/}	43.6 ***	40.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:15-02:20 HOUR	44.2 ^{2/}	43.6 ***	40.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:20-02:25 HOUR	44.3 ^{2/}	43.6 ***	40.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:25-02:30 HOUR	43.6 ^{2/}	43.6 ***	39.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:30-02:35 HOUR	43.5 ^{2/}	43.6 ***	39.5 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:35-02:40 HOUR	45.3 ^{2/}	43.6 ***	43.8 ^{2/}	43.2 ***	0.6
	02:40-02:45 HOUR	44.8 ^{2/}	43.6 ***	40.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:45-02:50 HOUR	44.1 ^{2/}	43.6 ***	40.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	43.9 ^{2/}	43.6 ***	39.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	02:55-03:00 HOUR	45.0 ^{2/}	43.6 ***	41.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:00-03:05 HOUR	45.7 ^{2/}	43.6 ***	44.2 ^{2/}	43.2 ***	1.0
	03:05-03:10 HOUR	49.0 ^{2/}	43.6 ***	50.5 ^{2/}	43.2 ***	7.3
	03:10-03:15 HOUR	45.4 ^{2/}	43.6 ***	43.9 ^{2/}	43.2 ***	0.7

DATE	TIME*	RESULT (dB(A))				
		TRE-1-N1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
DECEMBER 4, 2021	NIGHT TIME ^{2/}					
T21AX922-0003	03:15-03:20 HOUR	45.4 ^{2/}	43.6 ***	43.9 ^{2/}	43.2 ***	0.7
	03:20-03:25 HOUR	43.9 ^{2/}	43.6 ***	39.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:25-03:30 HOUR	44.6 ^{2/}	43.6 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:30-03:35 HOUR	44.0 ^{2/}	43.6 ***	40.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:35-03:40 HOUR	43.9 ^{2/}	43.6 ***	39.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:40-03:45 HOUR	44.9 ^{2/}	43.6 ***	40.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:45-03:50 HOUR	43.3 ^{2/}	43.6 ***	39.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:50-03:55 HOUR	44.2 ^{2/}	43.6 ***	40.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	03:55-04:00 HOUR	44.7 ^{2/}	43.6 ***	40.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:00-04:05 HOUR	45.3 ^{2/}	43.6 ***	43.8 ^{2/}	43.2 ***	0.6
	04:05-04:10 HOUR	44.3 ^{2/}	43.6 ***	40.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:10-04:15 HOUR	45.2 ^{2/}	43.6 ***	43.7 ^{2/}	43.2 ***	0.5
	04:15-04:20 HOUR	43.9 ^{2/}	43.6 ***	39.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:20-04:25 HOUR	44.8 ^{2/}	43.6 ***	40.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:25-04:30 HOUR	45.9 ^{2/}	43.6 ***	44.4 ^{2/}	43.2 ***	1.2
	04:30-04:35 HOUR	44.1 ^{2/}	43.6 ***	40.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:35-04:40 HOUR	45.8 ^{2/}	43.6 ***	44.3 ^{2/}	43.2 ***	1.1
	04:40-04:45 HOUR	44.7 ^{2/}	43.6 ***	40.7 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	04:45-04:50 HOUR	47.8 ^{2/}	43.6 ***	48.8 ^{2/}	43.2 ***	5.6
	04:50-04:55 HOUR	46.8 ^{2/}	43.6 ***	46.8 ^{2/}	43.2 ***	3.6
	04:55-05:00 HOUR	44.3 ^{2/}	43.6 ***	40.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:00-05:05 HOUR	44.2 ^{2/}	43.6 ***	40.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:05-05:10 HOUR	46.9 ^{2/}	43.6 ***	46.9 ^{2/}	43.2 ***	3.7
	05:10-05:15 HOUR	43.8 ^{2/}	43.6 ***	39.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:15-05:20 HOUR	44.9 ^{2/}	43.6 ***	40.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:20-05:25 HOUR	45.8 ^{2/}	43.6 ***	44.3 ^{2/}	43.2 ***	1.1
	05:25-05:30 HOUR	48.4 ^{2/}	43.6 ***	49.9 ^{2/}	43.2 ***	6.7
	05:30-05:35 HOUR	43.9 ^{2/}	43.6 ***	39.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:35-05:40 HOUR	44.1 ^{2/}	43.6 ***	40.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:40-05:45 HOUR	43.9 ^{2/}	43.6 ***	39.9 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:45-05:50 HOUR	45.1 ^{2/}	43.6 ***	43.6 ^{2/}	43.2 ***	0.4
	05:50-05:55 HOUR	44.1 ^{2/}	43.6 ***	40.1 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	05:55-06:00 HOUR	46.4 ^{2/}	43.6 ***	46.4 ^{2/}	43.2 ***	3.2
	DAY TIME ^{1/}					
	06:00-07:00 HOUR	48.4 ^{1/}	43.9 **	46.9 ^{1/}	43.3 **	3.6
	07:00-08:00 HOUR	47.4 ^{1/}	44.4 **	44.4 ^{1/}	42.6 **	1.8
	08:00-09:00 HOUR	44.6 ^{1/}	44.4 **	37.6 ^{1/}	42.6 **	NOT SIGNIFICANT ^{3/}
	09:00-10:00 HOUR	44.7 ^{1/}	44.4 **	37.7 ^{1/}	42.6 **	NOT SIGNIFICANT ^{3/}
	10:00-11:00 HOUR	47.0 ^{1/}	44.4 **	44.0 ^{1/}	42.6 **	1.4
	11:00-12:00 HOUR	46.1 ^{1/}	44.4 **	41.6 ^{1/}	42.6 **	NOT SIGNIFICANT ^{3/}
	12:00-13:00 HOUR	45.5 ^{1/}	44.4 **	38.5 ^{1/}	42.6 **	NOT SIGNIFICANT ^{3/}
	13:00-14:00 HOUR	44.5 ^{1/}	44.4 **	37.5 ^{1/}	42.6 **	NOT SIGNIFICANT ^{3/}

- 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.



(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

DECEMBER 17, 2021

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 : MWTRE-1 (UP GRADIENT) (UTM WGS 84 ZONE 47P 733156E 1732546N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : DECEMBER 27, 2021
SAMPLING TIME : 14:15 HOUR
SAMPLING METHOD ° : SUBMERSIBLE PUMP
SAMPLING BY ° : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : DECEMBER 28, 2021
ANALYTICAL DATE : DECEMBER 28, 2021 - JANUARY 6, 2022
REPORT NO. : 2022-U003186
WORK NO. : 2021-008594
ANALYSIS NO. : T21AZ543-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWTRE-1 (UP GRADIENT) T21AZ543-0001		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.5 (30°C)	-	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	30	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	1,063 (30°C)	-	0.1
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.5	-	0.1
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	19.4	-	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	704	-	25
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	-	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)	0.0013	≤ 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)	0.255	-	0.003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.003	0.002
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 1.0	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.673	-	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

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWTRE-1 (UP GRADIENT) T21AZ543-0001		
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	1.34	≤ 0.5	0.002
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.001	0.0001
NICKEL °	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.02	0.005
SELENIUM °	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
ZINC °	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 5.0	0.003
VOLATILE ORGANIC COMPOUNDS					
BENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 5	0.20
ETHYLBENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	1.6	≤ 700	0.20
TOLUENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	3.2	≤ 1,000	0.20
TOTAL XYLENES °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	1.1	≤ 10,000	0.60
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID GREY		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.
REGULATORY STANDARD : GROUNDWATER QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.20 (B.E. 2543) ISSUED UNDER THE ENHANCEMENT AND CONSERVATION OF NATIONAL ENVIRONMENTAL QUALITY ACT B.E. 2535.

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

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

JANUARY 18, 2022

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• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco.thai.net
SAMPLING SOURCE : MWTRE-1 (DOWN GRADIENT) (UTM WGS 84 ZONE 47P 733087E 1732408N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : DECEMBER 27, 2021
SAMPLING TIME : 14:40 HOUR
SAMPLING METHOD ° : SUBMERSIBLE PUMP
SAMPLING BY ° : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : DECEMBER 28, 2021
ANALYTICAL DATE : DECEMBER 28, 2021 - JANUARY 6, 2022
REPORT NO. : 2022-U003188
WORK NO. : 2021-008594
ANALYSIS NO. : T21AZ543-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWTRE-1 (DOWN GRADIENT) T21AZ543-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.8 (30°C)	-	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	30	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	743 (30°C)	-	0.1
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.3	-	0.1
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	114	-	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	426	-	25
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	-	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)	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)	0.029	-	0.003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.003	0.002
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 1.0	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.375	-	0.005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWTRE-1 (DOWN GRADIENT) T21AZ543-0002		
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.01	0.003
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.025	≤ 0.5	0.002
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	< LOQ	≤ 0.001	0.0001
NICKEL °	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.02	0.005
SELENIUM °	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
ZINC °	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 5.0	0.003
VOLATILE ORGANIC COMPOUNDS					
BENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 5	0.20
ETHYLBENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 700	0.20
TOLUENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	0.29	≤ 1,000	0.20



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			MWTRE-1 (DOWN GRADIENT) T21AZ543-0002		
TOTAL XYLENES °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.60	≤ 10,000	0.60
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

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

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

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

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

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

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

ND : NON-DETECTABLE.

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

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

JANUARY 18, 2022

ANALYSIS REPORT

CUSTOMER NAME	: ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS	: 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION	: TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE	: GW1: MOO.13 BAN KUT TA BONG (UTM WGS 84 ZONE 47P 735384E 1731798N)
SAMPLE TYPE	: GROUNDWATER
SAMPLING DATE	: DECEMBER 27, 2021
SAMPLING TIME	: 12:55 HOUR
SAMPLING METHOD °	: GRAB
SAMPLING BY °	: MR KRIDSANAPONG NAMTHIP
ANALYZED BY	: MISS NADNAPA KAMOLBOON
RECEIVED DATE	: DECEMBER 28, 2021
ANALYTICAL DATE	: DECEMBER 28, 2021-JANUARY 11, 2022
REPORT NO.	: 2022-U003222
WORK NO.	: 2021-008594
ANALYSIS NO.	: T21AZ546-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			GW1: MOO.13 BAN KUT TA BONG T21AZ546-0001		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.0 (30°C)	-	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	30	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	798 (30°C)	-	0.1
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.4	-	0.1
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	37.9	-	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	490	-	25
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	-	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)	0.0011	≤ 0.01	0.0003
BARIUM °	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.013	-	0.003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.003	0.002
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.056	≤ 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	15.2	-	0.005
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 0.01	0.003



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			GW1: MO0.13 BAN KUT TA BONG T21AZ546-0001		
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	0.316	≤ 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
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	2.66	≤ 5.0	0.003
VOLATILE ORGANIC COMPOUNDS					
BENZENE ^c	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 5	0.20
ETHYLBENZENE ^c	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 700	0.20
TOLUENE ^c	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 1,000	0.20

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			GW1: MO0.13 BAN KUT TA BONG T21AZ546-0001		
TOTAL XYLENES ^c	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.60	≤ 10,000	0.60
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

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

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

ND : NON-DETECTABLE.

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

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

JANUARY 18, 2022

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco-thai.net
SAMPLING SOURCE : GW2: MOO. 5 BAN TUNG YAI (UTM WGS 84 ZONE 47P 730155E 1728942N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : DECEMBER 27, 2021
SAMPLING TIME : 12:15 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : DECEMBER 28, 2021
ANALYTICAL DATE : DECEMBER 28, 2021-JANUARY 11, 2022
REPORT NO. : 2022-U003223
WORK NO. : 2021-008594
ANALYSIS NO. : T21AZ546-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			GW2: MOO. 5 BAN TUNG YAI T21AZ546-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.1 (30°C)	-	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	30	-	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	1,112 (30°C)	-	0.1
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.5	-	0.1
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	17.1	-	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	763	-	25
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	-	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)	0.070	-	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	0.262	-	0.005
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.01	0.003



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			GW2: MOO. 5 BAN TUNG YAI T21AZ546-0002		
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.025	≤ 0.5	0.002
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.001	0.0001
NICKEL °	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.02	0.005
SELENIUM °	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	≤ 0.01	0.0005
ZINC °	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 5.0	0.003
VOLATILE ORGANIC COMPOUNDS					
BENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 5	0.20
ETHYLBENZENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 700	0.20
TOLUENE °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.20	≤ 1,000	0.20
TOTAL XYLENES °	µg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.60	≤ 10,000	0.60
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			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.

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

JANUARY 18, 2022

คุณภาพน้ำผิวดิน



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecoohai.net
SAMPLING SOURCE : SW1 : HUI BONG (UP GRADIENT OF TRE-1 AND TRE-2) (UTM WGS 84 ZONE 47P 732983E 1732227N)
SAMPLE TYPE : SURFACE WATER **RECEIVED DATE** : DECEMBER 28, 2021
SAMPLING DATE : DECEMBER 27, 2021 **ANALYTICAL DATE** : DECEMBER 28, 2021-JANUARY 6, 2022
SAMPLING TIME : 15:15 HOUR **REPORT NO.** : 2022-U002787
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE **WORK NO.** : 2021-008594
SAMPLING BY ° : MR KRIDSANAPONG NAMTHIP **ANALYSIS NO.** : T21AZ545-0001
ANALYZED BY : MISS PORNPIMOL WAENTHONG

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SURFACE WATER T21AZ545-0001		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.2 (26°C)	5.0-9.0	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	26	n°	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	184 (26°C)	-	0.1
DISSOLVED OXYGEN °	mg/L	AZIDE MODIFICATION METHOD AT SITE (SM: 4500-O C)	5.2	≥ 4.0	0.5
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.1	-	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	2.4	≤ 2.0	1.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	14.2	-	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	117	-	25
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
FAT, OIL AND GREASE °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	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)	0.055	-	0.003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤0.005*, ≤ 0.05**	0.002
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.1	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	2.93	-	0.005



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SURFACE WATER T21AZ545-0001		
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.05	0.003
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	1.56	≤ 1.0	0.002
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	< LOQ	≤ 0.002	0.0001
NICKEL °	mg/L Ni	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.1	0.005
SELENIUM °	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	-	0.0005
ZINC °	mg/L Zn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 1.0	0.003
MICROBIOLOGY					
FAECAL COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E)	220	≤ 4,000	1.8
VOLATILE ORGANIC COMPOUNDS					
BENZENE °	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.0002	-	0.0002
ETHYLBENZENE °	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.0002	-	0.0002
TOLUENE °	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.0002	-	0.0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SURFACE WATER T21AZ545-0001		
TOTAL XYLENES °	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.0006	-	0.0006
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

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

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

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

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

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

n' : NATURALLY BUT CHANGING NOT MORE THAN 3°C

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

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

ND : NON-DETECTABLE.

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



(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR

JANUARY 18, 2022

ANALYSIS REPORT

CUSTOMER NAME	: ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS	: 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION	: TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE	: SW2 : HUI BONG (DOWN GRADIENT OF TRE-1 AND TRE-2) (UTM WGS 84 ZONE 47P 732717E 1731892N)
SAMPLE TYPE	: SURFACE WATER
SAMPLING DATE	: DECEMBER 27, 2021
SAMPLING TIME	: 15:50 HOUR
SAMPLING METHOD °	: GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY °	: MR KRIDSANAPONG NAMTHIP
ANALYZED BY	: MISS PORNPIMOL WAENTHONG
RECEIVED DATE	: DECEMBER 28, 2021
ANALYTICAL DATE	: DECEMBER 28, 2021-JANUARY 6, 2022
REPORT NO.	: 2022-U002788
WORK NO.	: 2021-008594
ANALYSIS NO.	: T21AZ545-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SURFACE WATER T21AZ545-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.8 (29°C)	5.0-9.0	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	29	n'	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	249 (29°C)	-	0.1
DISSOLVED OXYGEN °	mg/L	AZIDE MODIFICATION METHOD AT SITE (SM: 4500-O C)	5.3	≥ 4.0	0.5
SALINITY °	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.1	-	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	2.0	≤ 2.0	1.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	20.1	-	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	160	-	25
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
FAT, OIL AND GREASE °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	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)	0.125	-	0.003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.005°, ≤ 0.05°	0.002
HEXAVALENT CHROMIUM °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.1	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.800	-	0.005



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SURFACE WATER T21AZ545-0002		
LEAD ^c	mg/L Pb	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.05	0.003
MANGANESE ^c	mg/L Mn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	1.79	≤ 1.0	0.002
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	< LOQ	≤ 0.002	0.0001
NICKEL ^c	mg/L Ni	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.1	0.005
SELENIUM ^c	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	-	0.0005
ZINC ^c	mg/L Zn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 1.0	0.003
MICROBIOLOGY					
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E)	4.5	≤ 4,000	1.8
VOLATILE ORGANIC COMPOUNDS					
BENZENE ^c	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.0002	-	0.0002
ETHYLBENZENE ^c	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.0002	-	0.0002
TOLUENE ^c	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.0002	-	0.0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SURFACE WATER T21AZ545-0002		
TOTAL XYLENES ^c	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: 6200 B)	< 0.0006	-	0.0006
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

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

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

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

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

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

n¹ : NATURALLY BUT CHANGING NOT MORE THAN 3°C

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

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

ND : NON-DETECTABLE.

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



(MISS BENJAWAN VIRIYOTHAJ)
LABORATORY SUPERVISOR

JANUARY 18, 2022

ระยะเจาะหลุมปิโตรเลียมพื้นที่ฐานหลุมผลิต TRE-2



คุณภาพอากาศ



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : TRE-2-A1: MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR PREEDA CHAIYAPOOMSAKUL
ANALYZED BY : MISS JETJANIN TUMSA-AT

RECEIVED DATE : JANUARY 4, 2022
ANALYTICAL DATE : JANUARY 4-10, 2022
REPORT NO. : 2022-U002249
WORK NO. : 2021-008595
ANALYSIS NO. : T22AA010-0001 - T22AA010-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			A1: MOO 14 BAN MAB SAMOR		
			*	**	
			T22AA010-0001	T22AA010-0002	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.048	0.062	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.026	0.020	≤ 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 08:00 HOUR ON DECEMBER 29, 2021 TO 08:00 HOUR ON DECEMBER 30, 2021.
** : SAMPLING FROM 08:00 HOUR ON DECEMBER 30, 2021 TO 08:00 HOUR ON DECEMBER 31, 2021.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JANUARY 13, 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 : TRE-2-A1: MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR PREEDA CHAIYAPOOMSAKUL
ANALYZED BY : MISS JETJANIN TUMSA-AT

RECEIVED DATE : JANUARY 4, 2022
ANALYTICAL DATE : JANUARY 4-10, 2022
REPORT NO. : 2022-U002251
WORK NO. : 2021-008595
ANALYSIS NO. : T22AA010-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATOR STANDARD
			A1: MOO 14 BAN MAB SAMOR T22AA010-0003	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.038	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.025	≤ 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 08:00 HOUR ON DECEMBER 31, 2021 TO 08:00 HOUR ON JANUARY 1, 2022.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JANUARY 13, 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 : TRE-2-A2: NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR PREEDA CHAIYAPOOMSAKUL
ANALYZED BY : MISS JETJANIN TUMSA-AT

RECEIVED DATE : JANUARY 4, 2022
ANALYTICAL DATE : JANUARY 4-10, 2022
REPORT NO. : 2022-U002253
WORK NO. : 2021-008595
ANALYSIS NO. : T22AA010-0004 - T22AA010-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			A2: NONG KHANOM JEEN HOUSE OF PRIEST		
			* T22AA010-0004	** T22AA010-0005	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.028	0.029	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.014	0.014	≤ 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 DECEMBER 29, 2021 TO 09:00 HOUR ON DECEMBER 30, 2021.
** : SAMPLING FROM 09:00 HOUR ON DECEMBER 30, 2021 TO 09:00 HOUR ON DECEMBER 31, 2021.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JANUARY 13, 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 : TRE-2-A2: NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR PREEDA CHAIYAPOOMSAKUL
ANALYZED BY : MISS JETJANIN TUMSA-AT

RECEIVED DATE : JANUARY 4, 2022
ANALYTICAL DATE : JANUARY 4-10, 2022
REPORT NO. : 2022-U002254
WORK NO. : 2021-008595
ANALYSIS NO. : T22AA010-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATOR STANDARD
			A2: NONG KHANOM JEEN HOUSE OF PRIEST T22AA010-0006	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.029	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.013	≤ 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 DECEMBER 31, 2021 TO 09:00 HOUR ON JANUARY 1, 2022.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JANUARY 13, 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@ecoohai.net
MEASURING PLACE : TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : DECEMBER 29 - JANUARY 1, 2022
MEASURING DATE : DECEMBER 29 - JANUARY 1, 2022 **ANALYTICAL DATE** : DECEMBER 29 - JANUARY 1, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U002347
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2021-008595
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL **ANALYSIS NO.** : T22AA010-0001-T22AA010-0003

TIME*	RESULT		
	CARBON MONOXIDE		
	TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)		
	DECEMBER 29-30, 2021 T22AA010-0001	DECEMBER 30-31, 2021 T22AA010-0002	DECEMBER 31 - JANUARY 1, 2022 T22AA010-0003
07:00-15:00 HOUR	2.39	2.88	2.54
15:00-23:00 HOUR	2.26	2.50	2.33
23:00-07:00 HOUR	2.55	2.26	2.31
UNIT	ppm		



(MR SILA BANJONGJAIRUK)

LABORATORY SUPERVISOR

JANUARY 11, 2022

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

• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecoohai.net
MEASURING PLACE : TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : DECEMBER 29 - JANUARY 1, 2022
MEASURING DATE : DECEMBER 29 - JANUARY 1, 2022 **ANALYTICAL DATE** : DECEMBER 29 - JANUARY 1, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U002346
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2021-008595
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL **ANALYSIS NO.** : T22AA010-0004-T22AA010-0006

TIME*	RESULT		
	CARBON MONOXIDE		
	TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)		
	DECEMBER 29-30, 2021 T22AA010-0004	DECEMBER 30-31, 2021 T22AA010-0005	DECEMBER 31 - JANUARY 1, 2022 T22AA010-0006
07:00-15:00 HOUR	1.27	1.35	1.19
15:00-23:00 HOUR	1.06	1.14	1.04
23:00-07:00 HOUR	1.33	1.32	1.20
UNIT	ppm		



(MR SILA BANJONGJAIRUK)

LABORATORY SUPERVISOR

JANUARY 11, 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 : TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : DECEMBER 29 - JANUARY 1, 2022
MEASURING DATE : DECEMBER 29 - JANUARY 1, 2022 **ANALYTICAL DATE** : DECEMBER 29 - JANUARY 1, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U002348
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2021-008595
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL **ANALYSIS NO.** : T22AA010-0001 - T22AA010-0003

TIME *	RESULT (ppm)
	NITROGEN DIOXIDE
	TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
	DECEMBER 29 - 30, 2021 T22AA010-0001
08:00-09:00 HOUR	0.0045
09:00-10:00 HOUR	0.0047
10:00-11:00 HOUR	0.0049
11:00-12:00 HOUR	0.0049
12:00-13:00 HOUR	0.0052
13:00-14:00 HOUR	0.0052
14:00-15:00 HOUR	0.0056
15:00-16:00 HOUR	0.0059
16:00-17:00 HOUR	0.0061
17:00-18:00 HOUR	0.0063
18:00-19:00 HOUR	0.0061
19:00-20:00 HOUR	0.0058
20:00-21:00 HOUR	0.0060
21:00-22:00 HOUR	0.0059
22:00-23:00 HOUR	0.0064
23:00-00:00 HOUR	0.0062
00:00-01:00 HOUR	0.0072
01:00-02:00 HOUR	0.0075
02:00-03:00 HOUR	0.0083
03:00-04:00 HOUR	0.0091
04:00-05:00 HOUR	0.0091
05:00-06:00 HOUR	0.0094
06:00-07:00 HOUR	0.0092
07:00-08:00 HOUR	0.0094

TIME *	RESULT (ppm)
	NITROGEN DIOXIDE
	TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
	DECEMBER 30 - 31, 2021 T22AA010-0002
08:00-09:00 HOUR	0.0096
09:00-10:00 HOUR	0.0093
10:00-11:00 HOUR	0.0089
11:00-12:00 HOUR	0.0081
12:00-13:00 HOUR	0.0076
13:00-14:00 HOUR	0.0075
14:00-15:00 HOUR	0.0073
15:00-16:00 HOUR	0.0071
16:00-17:00 HOUR	0.0069
17:00-18:00 HOUR	0.0069
18:00-19:00 HOUR	0.0076
19:00-20:00 HOUR	0.0084
20:00-21:00 HOUR	0.0084
21:00-22:00 HOUR	0.0083
22:00-23:00 HOUR	0.0080
23:00-00:00 HOUR	0.0080
00:00-01:00 HOUR	0.0078
01:00-02:00 HOUR	0.0083
02:00-03:00 HOUR	0.0089
03:00-04:00 HOUR	0.0093
04:00-05:00 HOUR	0.0093
05:00-06:00 HOUR	0.0091
06:00-07:00 HOUR	0.0087
07:00-08:00 HOUR	0.0081



TIME *	RESULT (ppm)	
	NITROGEN DIOXIDE	
	TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)	
	DECEMBER 31, 2021 - JANUARY 01, 2022	
	T22AA010-0003	
08:00-09:00 HOUR	0.0077	
09:00-10:00 HOUR	0.0078	
10:00-11:00 HOUR	0.0078	
11:00-12:00 HOUR	0.0078	
12:00-13:00 HOUR	0.0086	
13:00-14:00 HOUR	0.0092	
14:00-15:00 HOUR	0.0098	
15:00-16:00 HOUR	0.0095	
16:00-17:00 HOUR	0.0093	
17:00-18:00 HOUR	0.0088	
18:00-19:00 HOUR	0.0076	
19:00-20:00 HOUR	0.0070	
20:00-21:00 HOUR	0.0067	
21:00-22:00 HOUR	0.0071	
22:00-23:00 HOUR	0.0075	
23:00-00:00 HOUR	0.0074	
00:00-01:00 HOUR	0.0074	
01:00-02:00 HOUR	0.0071	
02:00-03:00 HOUR	0.0071	
03:00-04:00 HOUR	0.0071	
04:00-05:00 HOUR	0.0074	
05:00-06:00 HOUR	0.0076	
06:00-07:00 HOUR	0.0085	
07:00-08:00 HOUR	0.0087	

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

JANUARY 18, 2022

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco-thai.net
MEASURING PLACE : TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : DECEMBER 29 - JANUARY 1, 2022
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL

RECEIVED DATE : DECEMBER 29 - JANUARY 1, 2022
ANALYTICAL DATE : DECEMBER 29 - JANUARY 1, 2022
REPORT NO. : 2022-U002349
WORK NO. : 2021-008595
ANALYSIS NO. : T22AA010-0004 - T22AA010-0006

TIME *	RESULT (ppm)	
	NITROGEN DIOXIDE	
	TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST(UTM WGS 84 ZONE 47P 731587E 1730272N)	
	DECEMBER 29 - 30, 2021	
	T22AA010-0004	
08:00-09:00 HOUR	0.0070	
09:00-10:00 HOUR	0.0056	
10:00-11:00 HOUR	0.0043	
11:00-12:00 HOUR	0.0033	
12:00-13:00 HOUR	0.0036	
13:00-14:00 HOUR	0.0037	
14:00-15:00 HOUR	0.0034	
15:00-16:00 HOUR	0.0032	
16:00-17:00 HOUR	0.0029	
17:00-18:00 HOUR	0.0031	
18:00-19:00 HOUR	0.0038	
19:00-20:00 HOUR	0.0055	
20:00-21:00 HOUR	0.0060	
21:00-22:00 HOUR	0.0061	
22:00-23:00 HOUR	0.0057	
23:00-00:00 HOUR	0.0064	
00:00-01:00 HOUR	0.0062	
01:00-02:00 HOUR	0.0076	
02:00-03:00 HOUR	0.0045	
03:00-04:00 HOUR	0.0077	
04:00-05:00 HOUR	0.0088	
05:00-06:00 HOUR	0.0042	
06:00-07:00 HOUR	0.0029	
07:00-08:00 HOUR	0.0047	



TIME *	RESULT (ppm)
	NITROGEN DIOXIDE
	TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST(UTM WGS 84 ZONE 47P 731587E 1730272N)
	DECEMBER 30 - 31, 2021 T22AA010-0005
08:00-09:00 HOUR	0.0061
09:00-10:00 HOUR	0.0048
10:00-11:00 HOUR	0.0029
11:00-12:00 HOUR	0.0024
12:00-13:00 HOUR	0.0025
13:00-14:00 HOUR	0.0026
14:00-15:00 HOUR	0.0027
15:00-16:00 HOUR	0.0027
16:00-17:00 HOUR	0.0025
17:00-18:00 HOUR	0.0026
18:00-19:00 HOUR	0.0030
19:00-20:00 HOUR	0.0032
20:00-21:00 HOUR	0.0040
21:00-22:00 HOUR	0.0055
22:00-23:00 HOUR	0.0060
23:00-00:00 HOUR	0.0061
00:00-01:00 HOUR	0.0064
01:00-02:00 HOUR	0.0046
02:00-03:00 HOUR	0.0061
03:00-04:00 HOUR	0.0043
04:00-05:00 HOUR	0.0055
05:00-06:00 HOUR	0.0044
06:00-07:00 HOUR	0.0082
07:00-08:00 HOUR	0.0051

TIME *	RESULT (ppm)
	NITROGEN DIOXIDE
	TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST(UTM WGS 84 ZONE 47P 731587E 1730272N)
	DECEMBER 31, 2021 - JANUARY 01, 2022 T22AA010-0006
08:00-09:00 HOUR	0.0049
09:00-10:00 HOUR	0.0033
10:00-11:00 HOUR	0.0024
11:00-12:00 HOUR	0.0024
12:00-13:00 HOUR	0.0023
13:00-14:00 HOUR	0.0022
14:00-15:00 HOUR	0.0022
15:00-16:00 HOUR	0.0021
16:00-17:00 HOUR	0.0021
17:00-18:00 HOUR	0.0022
18:00-19:00 HOUR	0.0024
19:00-20:00 HOUR	0.0036
20:00-21:00 HOUR	0.0040
21:00-22:00 HOUR	0.0031
22:00-23:00 HOUR	0.0032
23:00-00:00 HOUR	0.0029
00:00-01:00 HOUR	0.0076
01:00-02:00 HOUR	0.0061
02:00-03:00 HOUR	0.0059
03:00-04:00 HOUR	0.0054
04:00-05:00 HOUR	0.0046
05:00-06:00 HOUR	0.0063
06:00-07:00 HOUR	0.0059
07:00-08:00 HOUR	0.0047



(MR. SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

JANUARY 18, 2022

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco-thai.net
MEASURING PLACE : TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : DECEMBER 29 - JANUARY 1, 2022
MEASURING DATE : DECEMBER 29 - JANUARY 1, 2022 **ANALYTICAL DATE** : DECEMBER 29 - JANUARY 1, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U002350
MEASURING METHOD : UV FLUORESCENCE **WORK NO.** : 2021-008595
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL **ANALYSIS NO.** : T22AA010-0001 - T22AA010-0003

TIME *	RESULT (ppm)
	SULPHUR DIOXIDE
	TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
	DECEMBER 29 - 30, 2021 T22AA010-0001
08:00-09:00 HOUR	0.0023
09:00-10:00 HOUR	0.0024
10:00-11:00 HOUR	0.0024
11:00-12:00 HOUR	0.0021
12:00-13:00 HOUR	0.0020
13:00-14:00 HOUR	0.0019
14:00-15:00 HOUR	0.0020
15:00-16:00 HOUR	0.0019
16:00-17:00 HOUR	0.0020
17:00-18:00 HOUR	0.0020
18:00-19:00 HOUR	0.0019
19:00-20:00 HOUR	0.0019
20:00-21:00 HOUR	0.0020
21:00-22:00 HOUR	0.0019
22:00-23:00 HOUR	0.0020
23:00-00:00 HOUR	0.0019
00:00-01:00 HOUR	0.0020
01:00-02:00 HOUR	0.0020
02:00-03:00 HOUR	0.0020
03:00-04:00 HOUR	0.0020
04:00-05:00 HOUR	0.0021
05:00-06:00 HOUR	0.0021
06:00-07:00 HOUR	0.0021
07:00-08:00 HOUR	0.0020
AVERAGE 24 HOUR	0.0020

TIME *	RESULT (ppm)
	SULPHUR DIOXIDE
	TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
	DECEMBER 30 - 31, 2021 T22AA010-0002
08:00-09:00 HOUR	0.0021
09:00-10:00 HOUR	0.0021
10:00-11:00 HOUR	0.0022
11:00-12:00 HOUR	0.0023
12:00-13:00 HOUR	0.0024
13:00-14:00 HOUR	0.0024
14:00-15:00 HOUR	0.0024
15:00-16:00 HOUR	0.0024
16:00-17:00 HOUR	0.0024
17:00-18:00 HOUR	0.0024
18:00-19:00 HOUR	0.0024
19:00-20:00 HOUR	0.0024
20:00-21:00 HOUR	0.0024
21:00-22:00 HOUR	0.0024
22:00-23:00 HOUR	0.0024
23:00-00:00 HOUR	0.0023
00:00-01:00 HOUR	0.0023
01:00-02:00 HOUR	0.0024
02:00-03:00 HOUR	0.0025
03:00-04:00 HOUR	0.0024
04:00-05:00 HOUR	0.0024
05:00-06:00 HOUR	0.0024
06:00-07:00 HOUR	0.0024
07:00-08:00 HOUR	0.0025
AVERAGE 24 HOUR	0.0022



TIME *	RESULT (ppm)	
	SULPHUR DIOXIDE	
	TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)	
	DECEMBER 31, 2021 - JANUARY 01, 2022	
	T22AA010-0003	
08:00-09:00 HOUR	0.0025	
09:00-10:00 HOUR	0.0024	
10:00-11:00 HOUR	0.0026	
11:00-12:00 HOUR	0.0026	
12:00-13:00 HOUR	0.0024	
13:00-14:00 HOUR	0.0023	
14:00-15:00 HOUR	0.0023	
15:00-16:00 HOUR	0.0023	
16:00-17:00 HOUR	0.0023	
17:00-18:00 HOUR	0.0023	
18:00-19:00 HOUR	0.0023	
19:00-20:00 HOUR	0.0023	
20:00-21:00 HOUR	0.0023	
21:00-22:00 HOUR	0.0022	
22:00-23:00 HOUR	0.0023	
23:00-00:00 HOUR	0.0023	
00:00-01:00 HOUR	0.0022	
01:00-02:00 HOUR	0.0022	
02:00-03:00 HOUR	0.0022	
03:00-04:00 HOUR	0.0022	
04:00-05:00 HOUR	0.0023	
05:00-06:00 HOUR	0.0023	
06:00-07:00 HOUR	0.0023	
07:00-08:00 HOUR	0.0023	
AVERAGE 24 HOUR	0.0022	



(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

JANUARY 18, 2022

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco-thai.net
MEASURING PLACE : TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : DECEMBER 29 - JANUARY 1, 2022
MEASURING DATE : DECEMBER 29 - JANUARY 1, 2022 **ANALYTICAL DATE** : DECEMBER 29 - JANUARY 1, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U002351
MEASURING METHOD : UV FLUORESCENCE **WORK NO.** : 2021-008595
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL **ANALYSIS NO.** : T22AA010-0004 - T22AA010-0006

TIME *	RESULT (ppm)	
	SULPHUR DIOXIDE	
	TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)	
	DECEMBER 29 - 30, 2021	
	T22AA010-0004	
08:00-09:00 HOUR	0.0025	
09:00-10:00 HOUR	0.0029	
10:00-11:00 HOUR	0.0021	
11:00-12:00 HOUR	0.0026	
12:00-13:00 HOUR	0.0020	
13:00-14:00 HOUR	0.0029	
14:00-15:00 HOUR	0.0020	
15:00-16:00 HOUR	0.0020	
16:00-17:00 HOUR	0.0029	
17:00-18:00 HOUR	0.0021	
18:00-19:00 HOUR	0.0020	
19:00-20:00 HOUR	0.0021	
20:00-21:00 HOUR	0.0024	
21:00-22:00 HOUR	0.0020	
22:00-23:00 HOUR	0.0023	
23:00-00:00 HOUR	0.0021	
00:00-01:00 HOUR	0.0021	
01:00-02:00 HOUR	0.0024	
02:00-03:00 HOUR	0.0022	
03:00-04:00 HOUR	0.0023	
04:00-05:00 HOUR	0.0024	
05:00-06:00 HOUR	0.0023	
06:00-07:00 HOUR	0.0023	
07:00-08:00 HOUR	0.0023	
AVERAGE 24 HOUR	0.0023	



TIME *	RESULT (ppm)
	SULPHUR DIOXIDE
	TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST(UTM WGS 84 ZONE 47P 731587E 1730272N)
	DECEMBER 30 - 31, 2021 T22AA010-0005
08:00-09:00 HOUR	0.0024
09:00-10:00 HOUR	0.0023
10:00-11:00 HOUR	0.0024
11:00-12:00 HOUR	0.0023
12:00-13:00 HOUR	0.0021
13:00-14:00 HOUR	0.0021
14:00-15:00 HOUR	0.0020
15:00-16:00 HOUR	0.0024
16:00-17:00 HOUR	0.0023
17:00-18:00 HOUR	0.0024
18:00-19:00 HOUR	0.0023
19:00-20:00 HOUR	0.0023
20:00-21:00 HOUR	0.0021
21:00-22:00 HOUR	0.0023
22:00-23:00 HOUR	0.0028
23:00-00:00 HOUR	0.0023
00:00-01:00 HOUR	0.0025
01:00-02:00 HOUR	0.0026
02:00-03:00 HOUR	0.0022
03:00-04:00 HOUR	0.0024
04:00-05:00 HOUR	0.0027
05:00-06:00 HOUR	0.0023
06:00-07:00 HOUR	0.0024
07:00-08:00 HOUR	0.0026
AVERAGE 24 HOUR	0.0023

TIME *	RESULT (ppm)
	SULPHUR DIOXIDE
	TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST(UTM WGS 84 ZONE 47P 731587E 1730272N)
	DECEMBER 31, 2021 - JANUARY 01, 2022 T22AA010-0006
08:00-09:00 HOUR	0.0030
09:00-10:00 HOUR	0.0027
10:00-11:00 HOUR	0.0027
11:00-12:00 HOUR	0.0031
12:00-13:00 HOUR	0.0030
13:00-14:00 HOUR	0.0031
14:00-15:00 HOUR	0.0034
15:00-16:00 HOUR	0.0024
16:00-17:00 HOUR	0.0024
17:00-18:00 HOUR	0.0024
18:00-19:00 HOUR	0.0025
19:00-20:00 HOUR	0.0026
20:00-21:00 HOUR	0.0023
21:00-22:00 HOUR	0.0023
22:00-23:00 HOUR	0.0026
23:00-00:00 HOUR	0.0024
00:00-01:00 HOUR	0.0021
01:00-02:00 HOUR	0.0025
02:00-03:00 HOUR	0.0028
03:00-04:00 HOUR	0.0030
04:00-05:00 HOUR	0.0025
05:00-06:00 HOUR	0.0023
06:00-07:00 HOUR	0.0027
07:00-08:00 HOUR	0.0022
AVERAGE 24 HOUR	0.0024



(MR. SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

JANUARY 18, 2022

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco-thai.net
MEASURING PLACE : TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : DECEMBER 29 - JANUARY 1, 2022
MEASURING DATE : DECEMBER 29 - JANUARY 1, 2022 **ANALYTICAL DATE** : DECEMBER 29 - JANUARY 1, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U002352
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT **WORK NO.** : 2021-008595
MEASURED BY : MR PREEDA CHAIYAPOOMSAKUL **ANALYSIS NO.** : T22AA010-0001 - T22AA010-0003

TIME *	RESULT (m/s)	
	TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)	
	DECEMBER 29 - 30, 2021	
	T22AA010-0001	
	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	0.9	NNW
09:00-10:00 HOUR	0.7	NW
10:00-11:00 HOUR	1.0	NE
11:00-12:00 HOUR	0.7	NE
12:00-13:00 HOUR	0.9	N
13:00-14:00 HOUR	0.8	NNW
14:00-15:00 HOUR	0.6	NNW
15:00-16:00 HOUR	0.9	N
16:00-17:00 HOUR	0.9	W
17:00-18:00 HOUR	1.0	W
18:00-19:00 HOUR	0.7	NNW
19:00-20:00 HOUR	1.0	NNE
20:00-21:00 HOUR	1.1	NW
21:00-22:00 HOUR	0.8	N
22:00-23:00 HOUR	1.0	NNW
23:00-00:00 HOUR	1.2	NNW
00:00-01:00 HOUR	1.3	W
01:00-02:00 HOUR	1.1	NNW
02:00-03:00 HOUR	1.5	WNW
03:00-04:00 HOUR	1.7	NNW
04:00-05:00 HOUR	1.7	WNW
05:00-06:00 HOUR	2.2	NW
06:00-07:00 HOUR	1.6	WNW
07:00-08:00 HOUR	2.1	NW

TIME *	RESULT (m/s)	
	TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)	
	DECEMBER 30 - 31, 2021	
	T22AA010-0002	
	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	1.8	N
09:00-10:00 HOUR	1.3	N
10:00-11:00 HOUR	1.2	NNW
11:00-12:00 HOUR	0.8	NNW
12:00-13:00 HOUR	0.9	WNW
13:00-14:00 HOUR	0.8	WNW
14:00-15:00 HOUR	0.9	W
15:00-16:00 HOUR	0.8	NW
16:00-17:00 HOUR	1.1	WNW
17:00-18:00 HOUR	0.8	N
18:00-19:00 HOUR	0.9	NNE
19:00-20:00 HOUR	1.3	NNE
20:00-21:00 HOUR	1.1	NNW
21:00-22:00 HOUR	1.2	WNW
22:00-23:00 HOUR	1.5	N
23:00-00:00 HOUR	2.0	N
00:00-01:00 HOUR	2.0	NNW
01:00-02:00 HOUR	1.6	NNE
02:00-03:00 HOUR	1.1	N
03:00-04:00 HOUR	0.8	NNW
04:00-05:00 HOUR	1.1	NNE
05:00-06:00 HOUR	0.9	NNE
06:00-07:00 HOUR	0.9	N
07:00-08:00 HOUR	1.0	NNW



TIME *	RESULT (m/s)	
	TRE-2-A1 : MOO 14 BAN MAB SAMOR (UTM WGS 84 ZONE 47P 733756E 1733389N)	
	DECEMBER 31, 2021 - JANUARY 01, 2022	
	T22AA010-0003	
	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	0.9	NE
09:00-10:00 HOUR	1.1	NNE
10:00-11:00 HOUR	1.0	NNW
11:00-12:00 HOUR	1.3	NNE
12:00-13:00 HOUR	1.1	NNW
13:00-14:00 HOUR	1.6	NNW
14:00-15:00 HOUR	1.7	N
15:00-16:00 HOUR	1.6	N
16:00-17:00 HOUR	2.3	NW
17:00-18:00 HOUR	1.9	NW
18:00-19:00 HOUR	2.1	NNW
19:00-20:00 HOUR	2.3	WNW
20:00-21:00 HOUR	1.9	N
21:00-22:00 HOUR	1.8	N
22:00-23:00 HOUR	1.3	NW
23:00-00:00 HOUR	1.4	W
00:00-01:00 HOUR	0.8	WNW
01:00-02:00 HOUR	1.0	NW
02:00-03:00 HOUR	0.7	N
03:00-04:00 HOUR	1.1	NNW
04:00-05:00 HOUR	1.4	NNW
05:00-06:00 HOUR	1.2	WNW
06:00-07:00 HOUR	2.3	N
07:00-08:00 HOUR	1.7	NNW

Sila Banjongjatrak

(MR. SILA BANJONGJATRAK)
LABORATORY SUPERVISOR

JUNE 21, 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@ecothal.net
MEASURING PLACE : TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST (UTM WGS 84 ZONE 47P 731587E 1730272N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : DECEMBER 29 - JANUARY 1, 2022
MEASURING METHOD : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR. PREEDA CHATYAPOOMSAKUL

RECEIVED DATE : DECEMBER 29 - JANUARY 1, 2022
ANALYTICAL DATE : DECEMBER 29 - JANUARY 1, 2022
REPORT NO. : 2022-U002353
WORK NO. : 2021-008595
ANALYSIS NO. : T22AA010-0004 - T22AA010-0006

TIME *	RESULT (m/s)	
	TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST(UTM WGS 84 ZONE 47P 731587E 1730272N)	
	DECEMBER 29 - 30, 2021	
	T22AA010-0004	
	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	2.0	NNW
09:00-10:00 HOUR	1.5	WSW
10:00-11:00 HOUR	1.5	WNW
11:00-12:00 HOUR	1.2	W
12:00-13:00 HOUR	0.8	NNW
13:00-14:00 HOUR	1.0	W
14:00-15:00 HOUR	1.0	NNW
15:00-16:00 HOUR	0.9	NNW
16:00-17:00 HOUR	1.0	NNW
17:00-18:00 HOUR	1.2	NNW
18:00-19:00 HOUR	1.0	N
19:00-20:00 HOUR	1.0	N
20:00-21:00 HOUR	0.8	N
21:00-22:00 HOUR	0.9	NNW
22:00-23:00 HOUR	1.3	N
23:00-00:00 HOUR	1.2	NNW
00:00-01:00 HOUR	1.4	NNW
01:00-02:00 HOUR	1.8	NNE
02:00-03:00 HOUR	1.9	NNW
03:00-04:00 HOUR	2.0	NNW
04:00-05:00 HOUR	1.7	NW
05:00-06:00 HOUR	1.3	NW
06:00-07:00 HOUR	1.2	NW
07:00-08:00 HOUR	1.0	WNW



TIME *	RESULT (m/s)	
	TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST(UTM WGS 84 ZONE 47P 731587E 1730272N)	
	DECEMBER 30 - 31, 2021	
	T22AA010-0005	
	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	1.2	WNW
09:00-10:00 HOUR	1.4	NNW
10:00-11:00 HOUR	1.4	NNW
11:00-12:00 HOUR	2.0	NNW
12:00-13:00 HOUR	1.9	NNW
13:00-14:00 HOUR	2.3	W
14:00-15:00 HOUR	2.4	NW
15:00-16:00 HOUR	2.5	N
16:00-17:00 HOUR	2.2	N
17:00-18:00 HOUR	2.4	NNW
18:00-19:00 HOUR	1.9	NW
19:00-20:00 HOUR	1.1	NNE
20:00-21:00 HOUR	1.2	NNW
21:00-22:00 HOUR	0.8	N
22:00-23:00 HOUR	0.7	N
23:00-00:00 HOUR	0.7	NNE
00:00-01:00 HOUR	0.8	N
01:00-02:00 HOUR	1.0	NE
02:00-03:00 HOUR	1.2	NNW
03:00-04:00 HOUR	0.9	ENE
04:00-05:00 HOUR	1.7	E
05:00-06:00 HOUR	1.4	NNE
06:00-07:00 HOUR	2.0	NNW
07:00-08:00 HOUR	2.1	NNW

TIME *	RESULT (m/s)	
	TRE-2-A2 : NONG KHANOM JEEN HOUSE OF PRIEST(UTM WGS 84 ZONE 47P 731587E 1730272N)	
	DECEMBER 31, 2021 - JANUARY 01, 2022	
	T22AA010-0006	
	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	3.3	NW
09:00-10:00 HOUR	2.8	NNW
10:00-11:00 HOUR	2.8	N
11:00-12:00 HOUR	2.6	NW
12:00-13:00 HOUR	2.6	NNW
13:00-14:00 HOUR	1.6	NNW
14:00-15:00 HOUR	1.4	N
15:00-16:00 HOUR	2.0	N
16:00-17:00 HOUR	2.3	N
17:00-18:00 HOUR	1.8	NNW
18:00-19:00 HOUR	1.9	WNW
19:00-20:00 HOUR	2.5	NNE
20:00-21:00 HOUR	1.9	NNW
21:00-22:00 HOUR	2.3	NE
22:00-23:00 HOUR	2.1	N
23:00-00:00 HOUR	2.2	NE
00:00-01:00 HOUR	1.4	NE
01:00-02:00 HOUR	1.6	NNW
02:00-03:00 HOUR	1.2	N
03:00-04:00 HOUR	1.0	NNW
04:00-05:00 HOUR	0.9	NW
05:00-06:00 HOUR	0.8	WNW
06:00-07:00 HOUR	1.2	W
07:00-08:00 HOUR	1.0	NW



(MR. SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

JANUARY 18, 2022