

ภาคผนวก ฎ
ใบรายงานผลการวิเคราะห์



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 : POAR9-1 : BAN BO RANG (UTM WGS 84 ZONE 47P 734055E 1724685N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : MARCH 28, 2022
ANALYTICAL DATE : MARCH 28-31, 2022
REPORT NO. : 2022-U026585
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0001 - T22AF914-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POAR9-1 BAN BO RANG		
			*	**	
			T22AF914-0001	T22AF914-0002	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.043	0.040	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.027	0.026	≤ 0.12
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.24, B.E.2547 (2004).
* : SAMPLING FROM 09:00 HOUR ON MARCH 24, 2022 TO 09:00 HOUR ON MARCH 25, 2022.
** : SAMPLING FROM 09:00 HOUR ON MARCH 25, 2022 TO 09:00 HOUR ON MARCH 26, 2022.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

APRIL 20, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : POAR9-1 : BAN BO RANG (UTM WGS 84 ZONE 47P 734055E 1724685N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : MARCH 28, 2022
ANALYTICAL DATE : MARCH 28-31, 2022
REPORT NO. : 2022-U026587
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			POAR9-1 BAN BO RANG T22AF914-0003	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.042	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.027	≤ 0.12
SAMPLE CONDITION			COMPLETE	

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.24, B.E.2547 (2004).
* : SAMPLING FROM 09:00 HOUR ON MARCH 26, 2022 TO 09:00 HOUR ON MARCH 27, 2022.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

APRIL 20, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco-thai.net
SAMPLING SOURCE : POAR9-1 : BAN BO RANG (UTM WGS 84 ZONE 47P 734055E 1724685N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : MARCH 28, 2022
ANALYTICAL DATE : MARCH 28 - APRIL 8, 2022
REPORT NO. : 2022-U026586
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0001 - T22AF914-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POAR9-1 : BAN BO RANG		
			* T22AF914-0001	** T22AF914-0002	
BENZENE	µg/m³	US EPA METHOD TO-15	0.21	0.21	≤ 7.6
ETHYLBENZENE	µg/m³	US EPA METHOD TO-15	< 0.17	< 0.17	-
TOLUENE	µg/m³	US EPA METHOD TO-15	0.75	0.76	-
TOTAL XYLENES	µg/m³	US EPA METHOD TO-15	< 0.52	< 0.52	-
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK
 RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
 REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).
 * : SAMPLING FROM 09:00 HOUR ON MARCH 24, 2022 TO 09:00 HOUR ON MARCH 25, 2022.
 ** : SAMPLING FROM 09:00 HOUR ON MARCH 25, 2022 TO 09:00 HOUR ON MARCH 26, 2022.

Benjawan V.
 (MISS BENJAWAN VIRIYOTHAI)
 LABORATORY SUPERVISOR

APRIL 20, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco-thai.net
SAMPLING SOURCE : POAR9-1 : BAN BO RANG (UTM WGS 84 ZONE 47P 734055E 1724685N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : MARCH 28, 2022
ANALYTICAL DATE : MARCH 28 - APRIL 8, 2022
REPORT NO. : 2022-U026588
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			POAR9-1 : BAN BO RANG T22AF914-0003	
BENZENE	µg/m³	US EPA METHOD TO-15	0.22	≤ 7.6
ETHYLBENZENE	µg/m³	US EPA METHOD TO-15	< 0.17	-
TOLUENE	µg/m³	US EPA METHOD TO-15	0.76	-
TOTAL XYLENES	µg/m³	US EPA METHOD TO-15	< 0.52	-
SAMPLE CONDITION			COMPLETE	

REMARK
 RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
 REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).
 * : SAMPLING FROM 09:00 HOUR ON MARCH 26, 2022 TO 09:00 HOUR ON MARCH 27, 2022.

Benjawan V.
 (MISS BENJAWAN VIRIYOTHAI)
 LABORATORY SUPERVISOR


APRIL 20, 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@ecohtai.net
MEASURING PLACE : POAR9-1: BAN BO RANG 47P 734055, 1724685
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MARCH 24-27, 2022
MEASURING DATE : MARCH 24-27, 2022 **ANALYTICAL DATE** : MARCH 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U024190
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2022-001205
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T22AF914-0001 - T22AF914-0003

TIME*	RESULT		
	CARBON MONOXIDE		
	POAR9-1: BAN BO RANG 47P 734055, 1724685		
	MARCH 24 - 25, 2022 T22AF914-0001	MARCH 25 - 26, 2022 T22AF914-0002	MARCH 26 - 27, 2022 T22AF914-0003
08:00-16:00 HOUR	2.78	2.71	2.87
16:00-00:00 HOUR	2.85	2.64	2.76
00:00-08:00 HOUR	2.24	2.31	2.49
UNIT	ppm		


(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR
APRIL 5, 2022

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ANALYSIS REPORT

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ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : POAR9-1: BAN BO RANG 47P 734055, 1724685
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MARCH 24-27, 2022
MEASURING DATE : MARCH 24-27, 2022 **ANALYTICAL DATE** : MARCH 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U024197
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2022-001205
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T22AF914-0001 - T22AF914-0003

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	POAR9-1: BAN BO RANG 47P 734055, 1724685		
	MARCH 24 - 25, 2022 T22AF914-0001	MARCH 25 - 26, 2022 T22AF914-0002	MARCH 26 - 27, 2022 T22AF914-0003
08:00-09:00 HOUR	0.0185	0.0211	0.0191
09:00-10:00 HOUR	0.0225	0.0203	0.0215
10:00-11:00 HOUR	0.0199	0.0208	0.0237
11:00-12:00 HOUR	0.0183	0.0229	0.0238
12:00-13:00 HOUR	0.0201	0.0181	0.0218
13:00-14:00 HOUR	0.0221	0.0175	0.0208
14:00-15:00 HOUR	0.0220	0.0208	0.0218
15:00-16:00 HOUR	0.0189	0.0171	0.0232
16:00-17:00 HOUR	0.0228	0.0228	0.0229
17:00-18:00 HOUR	0.0190	0.0211	0.0210
18:00-19:00 HOUR	0.0183	0.0215	0.0227
19:00-20:00 HOUR	0.0167	0.0203	0.0214
20:00-21:00 HOUR	0.0187	0.0164	0.0134
21:00-22:00 HOUR	0.0136	0.0125	0.0183
22:00-23:00 HOUR	0.0124	0.0176	0.0134
23:00-00:00 HOUR	0.0160	0.0147	0.0196
00:00-01:00 HOUR	0.0161	0.0163	0.0140
01:00-02:00 HOUR	0.0162	0.0127	0.0176
02:00-03:00 HOUR	0.0121	0.0172	0.0149
03:00-04:00 HOUR	0.0168	0.0141	0.0140
04:00-05:00 HOUR	0.0165	0.0205	0.0168
05:00-06:00 HOUR	0.0147	0.0146	0.0172
06:00-07:00 HOUR	0.0224	0.0133	0.0196
07:00-08:00 HOUR	0.0226	0.0170	0.0200


(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

APRIL 5, 2022

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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : POAR9-1: BAN BO RANG 47P 734055, 1724685
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : MARCH 24-27, 2022
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : MARCH 24-27, 2022
ANALYTICAL DATE : MARCH 24-27, 2022
REPORT NO. : 2022-U024202
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0001 - T22AF914-0003

TIME *	RESULT (m/s)					
	POAR9-1: BAN BO RANG 47P 734055, 1724685					
	MARCH 24 - 25, 2022 T22AF914-0001		MARCH 25 - 26, 2022 T22AF914-0002		MARCH 26 - 27, 2022 T22AF914-0003	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	1.3	SSE	1.8	ESE	0.7	S
09:00-10:00 HOUR	2.1	SE	0.3	SSE	1.5	SE
10:00-11:00 HOUR	0.3	SE	3.3	SSE	3.3	SSE
11:00-12:00 HOUR	1.2	SE	3.4	SSE	1.7	SSE
12:00-13:00 HOUR	1.8	SSE	0.3	SSE	2.1	ESE
13:00-14:00 HOUR	2.4	SE	1.1	SE	0.5	E
14:00-15:00 HOUR	3.1	SE	1.4	SSE	1.1	E
15:00-16:00 HOUR	3.2	SSW	1.3	SSE	0.8	E
16:00-17:00 HOUR	1.6	SSW	1.1	ESE	1.6	ENE
17:00-18:00 HOUR	1.9	SSW	2.3	SE	0.8	NE
18:00-19:00 HOUR	1.7	SSW	3.1	S	2.6	NE
19:00-20:00 HOUR	3.4	SSW	2.6	SSW	2.3	ENE
20:00-21:00 HOUR	2.8	S	3.3	SSE	2.8	E
21:00-22:00 HOUR	2.4	S	1.5	SSE	0.4	E
22:00-23:00 HOUR	1.3	SSW	3.1	S	1.1	ESE
23:00-00:00 HOUR	2.4	S	2.8	ESE	2.8	SE
00:00-01:00 HOUR	1.5	SE	3	ESE	0.6	SSE
01:00-02:00 HOUR	1.8	SSE	1.7	SSE	1.3	SSW
02:00-03:00 HOUR	0.3	S	0.5	SSW	1.6	S
03:00-04:00 HOUR	3.1	SE	0.6	ESE	2	ESE
04:00-05:00 HOUR	3.3	SSW	0.5	ESE	2.2	SE
05:00-06:00 HOUR	3.1	SSW	3.3	SSW	1.3	SE
06:00-07:00 HOUR	2.6	SSE	3.1	SE	2.6	S
07:00-08:00 HOUR	1.4	SSE	1.1	SSE	1.5	S

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

APRIL 5, 2022



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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
SAMPLING SOURCE : POAR9-2 : BAN KHLONG MUANG MEDITATION (UTM WGS 84 ZONE 47P 734247E 1722875N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : MARCH 28, 2022
ANALYTICAL DATE : MARCH 28-31, 2022
REPORT NO. : 2022-U026589
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0004 - T22AF914-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POAR9-2 BAN KHLONG MUANG MEDITATION		
			* T22AF914-0004	** T22AF914-0005	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.044	0.035	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.024	0.020	≤ 0.12
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.24, B.E.2547 (2004).
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Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

APRIL 20, 2022



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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : POAR9-2 : BAN KHLONG MUANG MEDITATION (UTM WGS 84 ZONE 47P 734247E 1722875N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARAN TUMSA-AT

RECEIVED DATE : MARCH 28, 2022
ANALYTICAL DATE : MARCH 28-31, 2022
REPORT NO. : 2022-U026591
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			POAR9-2 BAN KHLONG MUANG MEDITATION T22AF914-0006	
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.038	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.023	≤ 0.12
SAMPLE CONDITION			COMPLETE	

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
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Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

APRIL 20, 2022



ANALYSIS REPORT

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SAMPLING SOURCE : POAR9-2 : BAN KHLONG MUANG MEDITATION (UTM WGS 84 ZONE 47P 734247E 1722875N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : MARCH 28, 2022
ANALYTICAL DATE : MARCH 28 - APRIL 8, 2022
REPORT NO. : 2022-U026590
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0004 - T22AF914-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POAR9-2 : BAN KHLONG MUAN MEDITATION		
			*	**	
			T22AF914-0004	T22AF914-0005	
BENZENE	µg/m ³	US EPA METHOD TO-15	0.22	0.21	≤ 7.6
ETHYLBENZENE	µg/m ³	US EPA METHOD TO-15	< 0.17	< 0.17	-
TOLUENE	µg/m ³	US EPA METHOD TO-15	0.77	0.73	-
TOTAL XYLENES	µg/m ³	US EPA METHOD TO-15	< 0.52	< 0.52	-
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).
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Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

APRIL 20, 2022



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CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
SAMPLING SOURCE : POAR9-2 : BAN KHLONG MUANG MEDITATION (UTM WGS 84 ZONE 47P 734247E 1722875N)
SAMPLE TYPE : AMBIENT **RECEIVED DATE** : MARCH 28, 2022
SAMPLING DATE : * **ANALYTICAL DATE** : MARCH 28 - APRIL 8, 2022
SAMPLING TIME : * **REPORT NO.** : 2022-U026592
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET **WORK NO.** : 2022-001205
ANALYZED BY : MISS WORAKON PADSONGCHAN **ANALYSIS NO.** : T22AF914-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			POAR9-2 : BAN KHLONG MUANG MEDITATION T22AF914-0006	
BENZENE	µg/m ³	US EPA METHOD TO-15	< 0.13	≤ 7.6
ETHYLBENZENE	µg/m ³	US EPA METHOD TO-15	< 0.17	-
TOLUENE	µg/m ³	US EPA METHOD TO-15	0.85	-
TOTAL XYLENES	µg/m ³	US EPA METHOD TO-15	< 0.52	-
SAMPLE CONDITION			COMPLETE	

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).
* : SAMPLING FROM 09:30 HOUR ON MARCH 26, 2022 TO 09:30 HOUR ON MARCH 27, 2022.

Benjawan V.
(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR

APRIL 20, 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@ecohtai.net
MEASURING PLACE : POAR9-2: BAN KHLONG MUANG MEDITATION 47P 734247, 1722875
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MARCH 24-27, 2022
MEASURING DATE : MARCH 24-27, 2022 **ANALYTICAL DATE** : MARCH 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U024191
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2022-001205
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T22AF914-0004 - T22AF914-0006

TIME*	RESULT		
	CARBON MONOXIDE		
	POAR9-2: BAN KHLONG MUANG MEDITATION 47P 734247, 1722875		
	MARCH 24 - 25, 2022 T22AF914-0004	MARCH 25 - 26, 2022 T22AF914-0005	MARCH 26 - 27, 2022 T22AF914-0006
08:00-16:00 HOUR	2.53	2.62	2.64
16:00-00:00 HOUR	2.44	2.46	2.43
00:00-08:00 HOUR	2.35	2.29	2.33
UNIT	ppm		

Sila J.
(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR
APRIL 5, 2022

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : POAR9-2:BAN KHLONG MUANG MEDITATION 47P 734247,1722875
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MARCH 24-27, 2022
MEASURING DATE : MARCH 24-27, 2022 **ANALYTICAL DATE** : MARCH 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U024198
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2022-001205
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T22AF914-0004 - T22AF914-0006

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	POAR9-2:BAN KHLONG MUANG MEDITATION 47P 734247,1722875		
	MARCH 24 - 25, 2022 T22AF914-0004	MARCH 25 - 26, 2022 T22AF914-0005	MARCH 26 - 27, 2022 T22AF914-0006
08:00-09:00 HOUR	0.0179	0.0193	0.0174
09:00-10:00 HOUR	0.0177	0.0187	0.0174
10:00-11:00 HOUR	0.0178	0.0193	0.0196
11:00-12:00 HOUR	0.0200	0.0185	0.0199
12:00-13:00 HOUR	0.0200	0.0190	0.0189
13:00-14:00 HOUR	0.0184	0.0185	0.0187
14:00-15:00 HOUR	0.0186	0.0212	0.0204
15:00-16:00 HOUR	0.0185	0.0187	0.0200
16:00-17:00 HOUR	0.0169	0.0192	0.0178
17:00-18:00 HOUR	0.0168	0.0189	0.0160
18:00-19:00 HOUR	0.0180	0.0174	0.0147
19:00-20:00 HOUR	0.0189	0.0157	0.0132
20:00-21:00 HOUR	0.0187	0.0141	0.0113
21:00-22:00 HOUR	0.0174	0.0115	0.0104
22:00-23:00 HOUR	0.0143	0.0148	0.0141
23:00-00:00 HOUR	0.0132	0.0132	0.0136
00:00-01:00 HOUR	0.0117	0.0124	0.0149
01:00-02:00 HOUR	0.0111	0.0110	0.0144
02:00-03:00 HOUR	0.0115	0.0151	0.0113
03:00-04:00 HOUR	0.0110	0.0141	0.0131
04:00-05:00 HOUR	0.0106	0.0150	0.0151
05:00-06:00 HOUR	0.0145	0.0171	0.0165
06:00-07:00 HOUR	0.0165	0.0180	0.0176
07:00-08:00 HOUR	0.0185	0.0185	0.0191

Sila Banjongjairuk
(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

APRIL 5, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : POAR9-2:BAN KHLONG MUANG MEDITATION 47P 734247,1722875
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MARCH 24-27, 2022
MEASURING DATE : MARCH 24-27, 2022 **ANALYTICAL DATE** : MARCH 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U024204
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT **WORK NO.** : 2022-001205
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T22AF914-0004 - T22AF914-0006

TIME *	RESULT (m/s)					
	POAR9-2:BAN KHLONG MUANG MEDITATION 47P 734247,1722875					
	MARCH 24 - 25, 2022 T22AF914-0004		MARCH 25 - 26, 2022 T22AF914-0005		MARCH 26 - 27, 2022 T22AF914-0006	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	1.3	S	1.7	SSE	3.2	ENE
09:00-10:00 HOUR	1.1	S	1.3	ESE	2.8	NE
10:00-11:00 HOUR	2.1	S	1.4	ESE	2.7	NE
11:00-12:00 HOUR	1.9	S	0.4	S	1.9	NNE
12:00-13:00 HOUR	1.6	S	3.4	SSE	3.3	NNE
13:00-14:00 HOUR	1.2	S	3.3	SE	1.2	N
14:00-15:00 HOUR	0.9	SSW	3	SSE	1.9	NNE
15:00-16:00 HOUR	0.6	S	2.8	SE	1.1	NE
16:00-17:00 HOUR	0.4	S	3.3	S	0.3	ENE
17:00-18:00 HOUR	0.3	ESE	2.5	ESE	3.3	ENE
18:00-19:00 HOUR	1.5	SSW	2.3	SSE	1.8	E
19:00-20:00 HOUR	2.2	ESE	2.6	ESE	3.1	E
20:00-21:00 HOUR	2.6	SE	0.9	SE	3.4	ESE
21:00-22:00 HOUR	2.1	SE	0.6	S	0.5	SE
22:00-23:00 HOUR	3.2	ESE	1.2	SSE	0.4	SSE
23:00-00:00 HOUR	2.6	ESE	1.6	SE	1.1	SSW
00:00-01:00 HOUR	2	SE	1.9	ESE	0.7	W
01:00-02:00 HOUR	0.7	SSE	1.4	SSE	2.3	SW
02:00-03:00 HOUR	2.1	SE	1	ESE	1.1	SSW
03:00-04:00 HOUR	1.9	SSE	2.2	SSE	0.7	S
04:00-05:00 HOUR	2.6	SSE	1.9	ESE	0.3	S
05:00-06:00 HOUR	3	SE	0.6	S	3.1	S
06:00-07:00 HOUR	3.2	SSE	1.8	E	2.9	S
07:00-08:00 HOUR	2.9	S	1.8	E	2.2	SSW

Sila Banjongjairuk
(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

APRIL 5, 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 : POAR9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : * **
SAMPLING TIME : * **
SAMPLING BY : MR UTHAI KAEWRAMOOK
ANALYZED BY : MISS JETJANIN TUMSA-AT

RECEIVED DATE : MAY 5, 2022
ANALYTICAL DATE : MAY 5-10, 2022
REPORT NO. : 2022-U035707
WORK NO. : 2022-001205
ANALYSIS NO. : T22AI372-0001 - T22AI372-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POAR9-3 : BANNASANUN SCHOOL		
			* T22A1372-0001	** T22A1372-0002	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.029	0.023	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.017	0.012	≤ 0.12
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.24, B.E.2547 (2004).
* : SAMPLING FROM 10:00 HOUR ON MAY 1, 2022 TO 10:00 HOUR ON MAY 2, 2022.
** : SAMPLING FROM 10:00 HOUR ON MAY 2, 2022 TO 10:00 HOUR ON MAY 3, 2022.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MAY 20, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : POAR9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR UTHAI KAEWRAMOOK
ANALYZED BY : MISS JETJANIN TUMSA-AT

RECEIVED DATE : MAY 5, 2022
ANALYTICAL DATE : MAY 5-10, 2022
REPORT NO. : 2022-U035709
WORK NO. : 2022-001205
ANALYSIS NO. : T22AI372-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			POAR9-3 : BANNASANUN SCHOOL T22A1372-0003	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.036	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.024	≤ 0.12
SAMPLE CONDITION			COMPLETE	

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.24, B.E.2547 (2004).
* : SAMPLING FROM 10:00 HOUR ON MAY 3, 2022 TO 10:00 HOUR ON MAY 4, 2022.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR


MAY 20, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
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 : POAR 9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MAY 1-4, 2022
MEASURING DATE : MAY 1-4, 2022 **ANALYTICAL DATE** : MAY 1-4, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U034495
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2022-001205
MEASURED BY : MR UTHAI KAEWRAMOOK **ANALYSIS NO.** : T22AI372-0001-T22AI372-0003

TIME*	RESULT		
	CARBON MONOXIDE		
	POAR 9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)		
	MAY 1-2, 2022 T22AI372-0001	MAY 2-3, 2022 T22AI372-0002	MAY 3-4, 2022 T22AI372-0003
07:00-15:00 HOUR	1.22	1.30	1.30
15:00-23:00 HOUR	1.50	1.71	1.57
23:00-07:00 HOUR	1.66	1.50	1.65
UNIT	ppm		


(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR
MAY 13, 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@ecothai.net
MEASURING PLACE : POAR 9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MAY 1-4, 2022
MEASURING DATE : MAY 1-4, 2022 **ANALYTICAL DATE** : MAY 1-4, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U034496
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2022-001205
MEASURED BY : MR UTHAI KAEWRAMOOK **ANALYSIS NO.** : T22AI372-0001 - T22AI372-0003

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	POAR 9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)		
	MAY 1-2, 2022 T22AI372-0001	MAY 2-3, 2022 T22AI372-0002	MAY 3-4, 2022 T22AI372-0003
07:00-08:00 HOUR	0.0236	0.0240	0.0235
08:00-09:00 HOUR	0.0224	0.0215	0.0212
09:00-10:00 HOUR	0.0200	0.0172	0.0181
10:00-11:00 HOUR	0.0181	0.0148	0.0179
11:00-12:00 HOUR	0.0178	0.0146	0.0169
12:00-13:00 HOUR	0.0176	0.0164	0.0177
13:00-14:00 HOUR	0.0188	0.0177	0.0200
14:00-15:00 HOUR	0.0199	0.0187	0.0236
15:00-16:00 HOUR	0.0233	0.0211	0.0269
16:00-17:00 HOUR	0.0243	0.0229	0.0280
17:00-18:00 HOUR	0.0257	0.0240	0.0263
18:00-19:00 HOUR	0.0252	0.0241	0.0250
19:00-20:00 HOUR	0.0254	0.0259	0.0249
20:00-21:00 HOUR	0.0252	0.0262	0.0267
21:00-22:00 HOUR	0.0250	0.0253	0.0272
22:00-23:00 HOUR	0.0261	0.0243	0.0254
23:00-00:00 HOUR	0.0260	0.0232	0.0251
00:00-01:00 HOUR	0.0259	0.0213	0.0240
01:00-02:00 HOUR	0.0252	0.0195	0.0235
02:00-03:00 HOUR	0.0248	0.0186	0.0215
03:00-04:00 HOUR	0.0250	0.0181	0.0210
04:00-05:00 HOUR	0.0251	0.0200	0.0221
05:00-06:00 HOUR	0.0254	0.0228	0.0229
06:00-07:00 HOUR	0.0256	0.0258	0.0245


(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

MAY 25, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING PLACE : POAR 9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MAY 1-4, 2022
MEASURING DATE : MAY 1-4, 2022 **ANALYTICAL DATE** : MAY 1-4, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U034497
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT **WORK NO.** : 2022-001205
MEASURED BY : MR UTHAI KAEWRAMOOK **ANALYSIS NO.** : T22AI372-0001 - T22AI372-0003

TIME *	RESULT (m/s)					
	POAR 9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)					
	MAY 1-2, 2022 T22AI372-0001		MAY 2-3, 2022 T22AI372-0002		MAY 3-4, 2022 T22AI372-0003	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	1.9	WNW	0.9	W	0.9	SW
08:00-09:00 HOUR	1.4	NNW	1.8	W	0.6	SSE
09:00-10:00 HOUR	1.6	WNW	1.1	NW	0.9	S
10:00-11:00 HOUR	1.9	NW	0.7	W	1.4	S
11:00-12:00 HOUR	2.4	W	1.0	S	1.5	S
12:00-13:00 HOUR	2.0	NW	1.1	WNW	2.5	SSW
13:00-14:00 HOUR	2.1	WNW	0.7	S	2.1	SE
14:00-15:00 HOUR	2.3	W	0.9	S	2.0	SSW
15:00-16:00 HOUR	2.2	W	0.6	S	1.8	S
16:00-17:00 HOUR	2.1	SW	0.8	SE	1.5	SW
17:00-18:00 HOUR	2.3	WSW	1.2	SE	2.3	SW
18:00-19:00 HOUR	1.9	WSW	1.3	SE	2.0	SW
19:00-20:00 HOUR	1.6	WNW	2.1	ESE	2.6	WSW
20:00-21:00 HOUR	1.2	W	2.4	SSE	2.4	W
21:00-22:00 HOUR	1.9	WSW	2.0	ESE	2.0	SW
22:00-23:00 HOUR	2.0	W	2.3	SE	1.3	WSW
23:00-00:00 HOUR	2.7	SW	1.5	SSE	1.1	WNW
00:00-01:00 HOUR	2.6	S	1.6	SW	0.6	W
01:00-02:00 HOUR	1.7	ESE	1.3	SSE	0.7	WSW
02:00-03:00 HOUR	1.3	SE	1.2	SW	0.9	W
03:00-04:00 HOUR	1.5	S	1.1	SSW	0.5	SSW
04:00-05:00 HOUR	0.7	SE	0.9	SW	1.0	SW
05:00-06:00 HOUR	0.5	WSW	0.8	SSW	1.3	S
06:00-07:00 HOUR	1.3	W	1.1	SSW	1.4	SSE

Sila Banjongjairuk

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

MAY 25, 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 : POAR9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)
SAMPLE TYPE : AMBIENT **RECEIVED DATE** : MAY 5, 2022
SAMPLING DATE : *, ** **ANALYTICAL DATE** : MAY 5-14, 2022
SAMPLING TIME : *, ** **REPORT NO.** : 2022-U035708
SAMPLING BY : MR UTHAI KAEWRAMOOK **WORK NO.** : 2022-001205
ANALYZED BY : MISS WORAKON PADSONGCHAN **ANALYSIS NO.** : T22AI372-0001 - T22AI372-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POAR9-3 : BANNASANUN SCHOOL		
			* T22AI372-0001	** T22AI372-0002	
BENZENE	µg/m³	US EPA METHOD TO-15	0.43	0.43	≤ 7.6
ETHYLBENZENE	µg/m³	US EPA METHOD TO-15	< 0.17	< 0.17	-
TOLUENE	µg/m³	US EPA METHOD TO-15	0.22	0.31	-
TOTAL XYLENES	µg/m³	US EPA METHOD TO-15	< 0.52	< 0.52	-
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).

* : SAMPLING FROM 10:00 HOUR ON MAY 1, 2022 TO 10:00 HOUR ON MAY 2, 2022.
** : SAMPLING FROM 10:00 HOUR ON MAY 2, 2022 TO 10:00 HOUR ON MAY 3, 2022.

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

MAY 20, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : POAR9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR UTHAI KAEWRAMOOK
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : MAY 5, 2022
ANALYTICAL DATE : MAY 5-14, 2022
REPORT NO. : 2022-U035710
WORK NO. : 2022-001205
ANALYSIS NO. : T22AI372-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			POAR9-3 : BANNASANUN SCHOOL T22AI372-0003	
BENZENE	µg/m ³	US EPA METHOD TO-15	0.33	≤ 7.6
ETHYLBENZENE	µg/m ³	US EPA METHOD TO-15	< 0.17	-
TOLUENE	µg/m ³	US EPA METHOD TO-15	0.17	-
TOTAL XYLENES	µg/m ³	US EPA METHOD TO-15	< 0.52	-
SAMPLE CONDITION			COMPLETE	

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).
* : SAMPLING FROM 10:00 HOUR ON MAY 3, 2022 TO 10:00 HOUR ON MAY 4, 2022.

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

MAY 20, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : POAR9-5 SOMPOTCHKRUNSONGROIPEE TEMPLE (UTM WGS 84 ZONE 47P 736112E 1720075N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : MARCH 28, 2022
ANALYTICAL DATE : MARCH 28-31, 2022
REPORT NO. : 2022-U026593
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0007 - T22AF914-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POAR9-5 SOMPOTCHKRUNSONGROIPEE TEMPLE		
			* T22AF914-0007	** T22AF914-0008	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.041	0.039	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.021	0.022	≤ 0.12
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.24, B.E.2547 (2004).
* : SAMPLING FROM 10:00 HOUR ON MARCH 24, 2022 TO 10:00 HOUR ON MARCH 25, 2022.
** : SAMPLING FROM 10:00 HOUR ON MARCH 25, 2022 TO 10:00 HOUR ON MARCH 26, 2022.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

APRIL 20, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco thai.net
SAMPLING SOURCE : POAR9-5 SOMPOTCHKRUNSONGROIPEE TEMPLE (UTM WGS 84 ZONE 47P 736112E 1720075N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARAN TUMSA-AT

RECEIVED DATE : MARCH 28, 2022
ANALYTICAL DATE : MARCH 28-31, 2022
REPORT NO. : 2022-U026595
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0009

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			POAR9-5 SOMPOTCHKRUNSONG ROIPEE TEMPLE T22AF914-0009	
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.074	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.021	≤ 0.12
SAMPLE CONDITION			COMPLETE	

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.24, B.E.2547 (2004).
* : SAMPLING FROM 10:00 HOUR ON MARCH 26, 2022 TO 10:00 HOUR ON MARCH 27, 2022.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

APRIL 20, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco thai.net
SAMPLING SOURCE : POAR9-5 : SOMPOTCHKRUNSONGROIPEE TEMPLE (UTM WGS 84 ZONE 47P 736112E 1720075N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : MARCH 28, 2022
ANALYTICAL DATE : MARCH 28 - APRIL 8, 2022
REPORT NO. : 2022-U026594
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0007 - T22AF914-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			POAR9-5 : SOMPOTCHKRUNSONGROIPEE TEMPLE		
			* T22AF914-0007	** T22AF914-0008	
BENZENE	µg/m³	US EPA METHOD TO-15	< 0.13	0.21	≤ 7.6
ETHYLBENZENE	µg/m³	US EPA METHOD TO-15	< 0.17	< 0.17	-
TOLUENE	µg/m³	US EPA METHOD TO-15	0.75	0.67	-
TOTAL XYLENES	µg/m³	US EPA METHOD TO-15	< 0.52	< 0.52	-
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).
* : SAMPLING FROM 10:00 HOUR ON MARCH 24, 2022 TO 10:00 HOUR ON MARCH 25, 2022.
** : SAMPLING FROM 10:00 HOUR ON MARCH 25, 2022 TO 10:00 HOUR ON MARCH 26, 2022.

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

APRIL 20, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco-thai.net
SAMPLING SOURCE : POAR9-5 : SOMPOTCHKRUNSONGROIPEE TEMPLE (UTM WGS 84 ZONE 47P 736112E 1720075N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : MARCH 28, 2022
ANALYTICAL DATE : MARCH 28 - APRIL 8, 2022
REPORT NO. : 2022-U026596
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0009

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			POAR9-5 : SOMPOTCHKRUNSONG ROIPEE TEMPLE T22AF914-0009	
BENZENE	µg/m ³	US EPA METHOD TO-15	0.22	≤ 7.6
ETHYLBENZENE	µg/m ³	US EPA METHOD TO-15	< 0.17	-
TOLUENE	µg/m ³	US EPA METHOD TO-15	1.34	-
TOTAL XYLENES	µg/m ³	US EPA METHOD TO-15	< 0.52	-
SAMPLE CONDITION			COMPLETE	

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).
* : SAMPLING FROM 10:00 HOUR ON MARCH 26, 2022 TO 10:00 HOUR ON MARCH 27, 2022.

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

APRIL 20, 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 : POAR9-5:SOMPOTCHKRUNSONGROIPEE TEMPLE 47P 736112,1720075
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : MARCH 24-27, 2022
MEASURING TIME : *
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : MARCH 24-27, 2022
ANALYTICAL DATE : MARCH 24-27, 2022
REPORT NO. : 2022-U024193
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0007 - T22AF914-0009

TIME*	RESULT		
	CARBON MONOXIDE		
	POAR9-5:SOMPOTCHKRUNSONGROIPEE TEMPLE 47P 736112,1720075		
	MARCH 24 - 25, 2022 T22AF914-0007	MARCH 25 - 26, 2022 T22AF914-0008	MARCH 26 - 27, 2022 T22AF914-0009
08:00-16:00 HOUR	2.48	2.55	2.52
16:00-00:00 HOUR	2.33	2.37	2.38
00:00-08:00 HOUR	2.31	2.22	2.27
UNIT	ppm		

Sila Banjongjairuk

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 5, 2022

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING PLACE : POAR9-5:SOMPOTCHKRUNSONGROIPEE TEMPLE 47P 736112,1720075
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MARCH 24-27, 2022
MEASURING DATE : MARCH 24-27, 2022 **ANALYTICAL DATE** : MARCH 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U024199
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2022-001205
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T22AF914-0007 - T22AF914-0009

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	POAR9-5:SOMPOTCHKRUNSONGROIPEE TEMPLE 47P 736112,1720075		
	MARCH 24 - 25, 2022 T22AF914-0007	MARCH 25 - 26, 2022 T22AF914-0008	MARCH 26 - 27, 2022 T22AF914-0009
08:00-09:00 HOUR	0.0170	0.0123	0.0203
09:00-10:00 HOUR	0.0160	0.0171	0.0168
10:00-11:00 HOUR	0.0181	0.0175	0.0215
11:00-12:00 HOUR	0.0199	0.0207	0.0212
12:00-13:00 HOUR	0.0175	0.0164	0.0190
13:00-14:00 HOUR	0.0192	0.0207	0.0205
14:00-15:00 HOUR	0.0182	0.0197	0.0212
15:00-16:00 HOUR	0.0177	0.0208	0.0153
16:00-17:00 HOUR	0.0173	0.0164	0.0191
17:00-18:00 HOUR	0.0208	0.0182	0.0187
18:00-19:00 HOUR	0.0180	0.0189	0.0186
19:00-20:00 HOUR	0.0176	0.0197	0.0136
20:00-21:00 HOUR	0.0180	0.0186	0.0154
21:00-22:00 HOUR	0.0165	0.0160	0.0146
22:00-23:00 HOUR	0.0164	0.0141	0.0167
23:00-00:00 HOUR	0.0151	0.0135	0.0176
00:00-01:00 HOUR	0.0161	0.0144	0.0124
01:00-02:00 HOUR	0.0141	0.0136	0.0140
02:00-03:00 HOUR	0.0148	0.0151	0.0163
03:00-04:00 HOUR	0.0164	0.0161	0.0169
04:00-05:00 HOUR	0.0140	0.0153	0.0173
05:00-06:00 HOUR	0.0131	0.0124	0.0188
06:00-07:00 HOUR	0.0129	0.0174	0.0193
07:00-08:00 HOUR	0.0132	0.0196	0.0202


(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

APRIL 5, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING PLACE : POAR9-5:SOMPOTCHKRUNSONGROIPEE TEMPLE 47P 736112,1720075
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MARCH 24-27, 2022
MEASURING DATE : MARCH 24-27, 2022 **ANALYTICAL DATE** : MARCH 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U024205
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT **WORK NO.** : 2022-001205
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T22AF914-0007 - T22AF914-0009

TIME *	RESULT (m/s)					
	POAR9-5:SOMPOTCHKRUNSONGROIPEE TEMPLE 47P 736112,1720075					
	MARCH 24 - 25, 2022 T22AF914-0007		MARCH 25 - 26, 2022 T22AF914-0008		MARCH 26 - 27, 2022 T22AF914-0009	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	0.7	SE	1.2	SE	1.1	ESE
09:00-10:00 HOUR	1.1	SE	1.4	SE	0.9	NNE
10:00-11:00 HOUR	2.2	SE	0.3	SSE	1.7	ENE
11:00-12:00 HOUR	0.3	SE	0.6	SSE	2	NE
12:00-13:00 HOUR	0.4	SE	1.3	ESE	3.4	NNE
13:00-14:00 HOUR	1.3	SSE	2.1	SSE	3	NNE
14:00-15:00 HOUR	1.5	SE	2.9	SE	2.5	ENE
15:00-16:00 HOUR	2.8	SE	0.8	S	2.1	E
16:00-17:00 HOUR	2.9	SSE	0.4	SE	1.6	ESE
17:00-18:00 HOUR	2.2	S	0.5	S	1.5	ESE
18:00-19:00 HOUR	2.7	SSE	0.4	SSE	2	SE
19:00-20:00 HOUR	2.8	SSE	0.6	S	2.8	S
20:00-21:00 HOUR	3.3	S	1.4	SE	2.9	SE
21:00-22:00 HOUR	3.2	SE	1.7	SSE	2.1	SSE
22:00-23:00 HOUR	1.8	SE	2.1	SSW	1.3	SSW
23:00-00:00 HOUR	1.3	SE	1.1	ESE	0.4	SSW
00:00-01:00 HOUR	2.9	SE	0.7	SSE	0.9	ESE
01:00-02:00 HOUR	3.2	ESE	0.9	ESE	1.4	SE
02:00-03:00 HOUR	2.3	SSW	2.3	S	1.3	ESE
03:00-04:00 HOUR	0.8	SSE	2.6	ESE	1.1	SSE
04:00-05:00 HOUR	0.4	S	1.2	S	1.5	SSE
05:00-06:00 HOUR	1.2	ESE	2.2	ESE	1.9	SSW
06:00-07:00 HOUR	1.5	SE	2.8	SE	0.5	S
07:00-08:00 HOUR	1.8	SE	0.3	ESE	0.8	SSE


(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

APRIL 5, 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 : INSE-AN1 : BAN KHOK PHON PHATTANA (UTM WGS 84 ZONE 47P 734227E 1726326N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **
SAMPLING TIME : *, **
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARAN TUMSA-AT

RECEIVED DATE : MARCH 28, 2022
ANALYTICAL DATE : MARCH 28-31, 2022
REPORT NO. : 2022-U026597
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0010 - T22AF914-0011

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			INSE-AN1 BAN KHOK PHON PHATTANA		
			* T22AF914-0010	** T22AF914-0011	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.048	0.055	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.021	0.023	≤ 0.12
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.24, B.E.2547 (2004).
* : SAMPLING FROM 08:30 HOUR ON MARCH 24, 2022 TO 08:30 HOUR ON MARCH 25, 2022.
** : SAMPLING FROM 08:30 HOUR ON MARCH 25, 2022 TO 08:30 HOUR ON MARCH 26, 2022.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

APRIL 20, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco.thai.net
SAMPLING SOURCE : INSE-AN1 : BAN KHOK PHON PHATTANA (UTM WGS 84 ZONE 47P 734227E 1726326N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARAN TUMSA-AT

RECEIVED DATE : MARCH 28, 2022
ANALYTICAL DATE : MARCH 28-31, 2022
REPORT NO. : 2022-U026599
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF914-0012

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATOR STANDARD
			INSE-AN1 BAN KHOK PHO PHATTANA T22AF914-0012	
TOTAL SUSPENDED PARTICULATE	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.032	≤ 0.33
PARTICULATE MATTER (≤ 10 µm)	mg/m³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.020	≤ 0.12
SAMPLE CONDITION			COMPLETE	

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARDS, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD NO.24, B.E.2547 (2004).
* : SAMPLING FROM 08:30 HOUR ON MARCH 26, 2022 TO 08:30 HOUR ON MARCH 27, 2022.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

APRIL 20, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@eco.thai.net
SAMPLING SOURCE : INSE-AN1 : BAN KHOK PHON PHATTHANA (UTM WGS 84 ZONE 47P 734227E 1726326N)
SAMPLE TYPE : AMBIENT **RECEIVED DATE** : MARCH 28, 2022
SAMPLING DATE : *, ** **ANALYTICAL DATE** : MARCH 28 - APRIL 8, 2022
SAMPLING TIME : *, ** **REPORT NO.** : 2022-U026598
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET **WORK NO.** : 2022-001205
ANALYZED BY : MISS WORAKON PADSONGCHAN **ANALYSIS NO.** : T22AF914-0010 - T22AF914-0011

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD
			INSE-AN1 : BAN KHOK PHON PHATTANA		
			* T22AF914-0010	** T22AF914-0011	
BENZENE	µg/m³	US EPA METHOD TO-15	< 0.13	0.21	≤ 7.6
ETHYLBENZENE	µg/m³	US EPA METHOD TO-15	< 0.17	< 0.17	-
TOLUENE	µg/m³	US EPA METHOD TO-15	0.61	0.71	-
TOTAL XYLENES	µg/m³	US EPA METHOD TO-15	< 0.52	< 0.52	-
SAMPLE CONDITION			COMPLETE	COMPLETE	

REMARK
 RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
 REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).
 * : SAMPLING FROM 08:30 HOUR ON MARCH 24, 2022 TO 08:30 HOUR ON MARCH 25, 2022.
 ** : SAMPLING FROM 08:30 HOUR ON MARCH 25, 2022 TO 08:30 HOUR ON MARCH 26, 2022.

Benjawan V.
 (MISS BENJAWAN VIRIYOTHAI)
 LABORATORY SUPERVISOR

APRIL 20, 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@eco.thai.net
SAMPLING SOURCE : INSE-AN1 : BAN KHOK PHON PHATTHANA (UTM WGS 84 ZONE 47P 734227E 1726326N)
SAMPLE TYPE : AMBIENT **RECEIVED DATE** : MARCH 28, 2022
SAMPLING DATE : * **ANALYTICAL DATE** : MARCH 28 - APRIL 8, 2022
SAMPLING TIME : * **REPORT NO.** : 2022-U026600
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET **WORK NO.** : 2022-001205
ANALYZED BY : MISS WORAKON PADSONGCHAN **ANALYSIS NO.** : T22AF914-0012

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			INSE-AN1 : BAN KHOK PHU PHATTHANA T22AF914-0012	
BENZENE	µg/m³	US EPA METHOD TO-15	0.25	≤ 7.6
ETHYLBENZENE	µg/m³	US EPA METHOD TO-15	< 0.17	-
TOLUENE	µg/m³	US EPA METHOD TO-15	0.78	-
TOTAL XYLENES	µg/m³	US EPA METHOD TO-15	< 0.52	-
SAMPLE CONDITION			COMPLETE	

REMARK
 RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
 REGULATORY STANDARD : AMBIENT AIR QUALITY STANDARD, NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.126 SPECIAL PART 13D, DATED JANUARY 27, B.E. 2552 (2009).
 * : SAMPLING FROM 08:30 HOUR ON MARCH 26, 2022 TO 08:30 HOUR ON MARCH 27, 2022.

Benjawan V.
 (MISS BENJAWAN VIRIYOTHAI)
 LABORATORY SUPERVISOR

APRIL 20, 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, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : INSE-AN1:BAN KHOK PHON PHATTHANA (BAN KHOK AI PHON) 47P 734227,1726326
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MARCH 24-27, 2022
MEASURING DATE : MARCH 24-27, 2022 **ANALYTICAL DATE** : MARCH 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U024194
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2022-001205
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T22AF914-0010 - T22AF914-0012

TIME*	RESULT		
	CARBON MONOXIDE		
	INSE-AN1:BAN KHOK PHON PHATTHANA (BAN KHOK AI PHON) 47P 734227,1726326		
	MARCH 24 - 25, 2022 T22AF914-0010	MARCH 25 - 26, 2022 T22AF914-0011	MARCH 26 - 27, 2022 T22AF914-0012
08:00-16:00 HOUR	2.72	2.69	2.63
16:00-00:00 HOUR	2.56	2.53	2.41
00:00-08:00 HOUR	2.25	2.18	2.27
UNIT	ppm		


(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR
APRIL 5, 2022

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ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : INSE-AN1:BAN KHOK PHON PHATTHANA (BAN KHOK AI PHON) 47P 734227,1726326
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MARCH 24-27, 2022
MEASURING DATE : MARCH 24-27, 2022 **ANALYTICAL DATE** : MARCH 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U024201
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2022-001205
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T22AF914-0010 - T22AF914-0012

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	INSE-AN1:BAN KHOK PHON PHATTHANA(BAN KHOK AI PHON) 47P 734227,1726326		
	MARCH 24 - 25, 2022 T22AF914-0010	MARCH 25 - 26, 2022 T22AF914-0011	MARCH 26 - 27, 2022 T22AF914-0012
08:00-09:00 HOUR	0.0190	0.0186	0.0216
09:00-10:00 HOUR	0.0194	0.0199	0.0203
10:00-11:00 HOUR	0.0227	0.0216	0.0226
11:00-12:00 HOUR	0.0204	0.0202	0.0220
12:00-13:00 HOUR	0.0210	0.0198	0.0204
13:00-14:00 HOUR	0.0197	0.0200	0.0232
14:00-15:00 HOUR	0.0210	0.0208	0.0201
15:00-16:00 HOUR	0.0210	0.0217	0.0217
16:00-17:00 HOUR	0.0207	0.0209	0.0215
17:00-18:00 HOUR	0.0205	0.0181	0.0204
18:00-19:00 HOUR	0.0200	0.0161	0.0190
19:00-20:00 HOUR	0.0199	0.0138	0.0170
20:00-21:00 HOUR	0.0183	0.0156	0.0156
21:00-22:00 HOUR	0.0184	0.0125	0.0130
22:00-23:00 HOUR	0.0154	0.0143	0.0141
23:00-00:00 HOUR	0.0146	0.0151	0.0119
00:00-01:00 HOUR	0.0170	0.0126	0.0119
01:00-02:00 HOUR	0.0116	0.0143	0.0126
02:00-03:00 HOUR	0.0146	0.0163	0.0144
03:00-04:00 HOUR	0.0121	0.0173	0.0160
04:00-05:00 HOUR	0.0149	0.0190	0.0167
05:00-06:00 HOUR	0.0128	0.0201	0.0178
06:00-07:00 HOUR	0.0162	0.0208	0.0190
07:00-08:00 HOUR	0.0170	0.0202	0.0209


(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 5, 2022



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecohtai.net
MEASURING PLACE : INSE-AN1: BAN KHOK PHON PHATTANA (BAN KHOK AI PHON) 47P 734227,1726326
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : MARCH 24-27, 2022
MEASURING DATE : MARCH 24-27, 2022 **ANALYTICAL DATE** : MARCH 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U024206
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT **WORK NO.** : 2022-001205
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T22AF914-0010 - T22AF914-0012

TIME *	RESULT (m/s)					
	INSE-AN1: BAN KHOK PHON PHATTANA (BAN KHOK AI PHON) 47P 734227,1726326					
	MARCH 24 - 25, 2022		MARCH 25 - 26, 2022		MARCH 26 - 27, 2022	
	T22AF914-0010		T22AF914-0011		T22AF914-0012	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	1.2	SE	2.3	S	2.8	ENE
09:00-10:00 HOUR	1.9	SE	3.3	SSE	2.1	ENE
10:00-11:00 HOUR	0.5	SSE	2.4	SSW	1.5	NE
11:00-12:00 HOUR	0.9	ESE	1.3	S	0.5	E
12:00-13:00 HOUR	2.6	SE	1	SSW	0.3	ESE
13:00-14:00 HOUR	2.5	SSE	3.3	S	3.1	ESE
14:00-15:00 HOUR	1.4	SSE	3.1	S	2.9	SE
15:00-16:00 HOUR	2.7	SSE	1.7	SSE	3	SE
16:00-17:00 HOUR	2.2	ESE	3.3	S	2.9	ESE
17:00-18:00 HOUR	1.4	SE	2.4	SSW	2.4	ESE
18:00-19:00 HOUR	0.3	SE	0.6	S	1.7	S
19:00-20:00 HOUR	3.1	SSE	3.1	SSW	1.6	S
20:00-21:00 HOUR	2.6	ESE	0.3	SSE	3.1	SSE
21:00-22:00 HOUR	2.5	SSE	1.9	S	1.6	SE
22:00-23:00 HOUR	3.1	S	3.1	SSE	1.5	SSE
23:00-00:00 HOUR	1.8	S	3.2	SSE	1.2	SSW
00:00-01:00 HOUR	1.7	SSW	2.6	SSW	0.3	SE
01:00-02:00 HOUR	1.2	SSW	1	SSE	0.6	ESE
02:00-03:00 HOUR	1.4	SW	0.8	ESE	1.7	S
03:00-04:00 HOUR	1.3	SSW	1.2	ENE	2.3	SSE
04:00-05:00 HOUR	1	SSW	1.5	NE	2	SSE
05:00-06:00 HOUR	0.8	S	2	NNE	2.2	S
06:00-07:00 HOUR	0.9	SSE	2.5	NE	0.5	S
07:00-08:00 HOUR	1.8	S	2.7	NNE	0.9	SE

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

APRIL 5, 2022



ระดับเสียงทั่วไป



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 : POAR9-1: BAN BO RANG 47P 734055, 1724685
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : MARCH 24-27, 2022
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : MARCH 24-27, 2022
ANALYTICAL DATE : MARCH 24-27, 2022
REPORT NO. : 2022-U024186
WORK NO. : 2022-001205
ANALYSIS NO. : T22AF915-0001 - T22AF915-0003

TIME*	RESULT dB(A)		
	POAR9-1: BAN BO RANG 47P 734055, 1724685		
	MARCH 24 - 25, 2022		
	T22AF915-0001		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	55.8	75.1	47.6
08:00-09:00 HOUR	55.1	77.4	45.9
09:00-10:00 HOUR	55.7	79.3	45.1
10:00-11:00 HOUR	55.3	77.1	44.3
11:00-12:00 HOUR	55.8	71.9	44.7
12:00-13:00 HOUR	56.0	77.1	43.2
13:00-14:00 HOUR	55.5	73.1	44.7
14:00-15:00 HOUR	54.9	79.0	43.9
15:00-16:00 HOUR	54.7	69.3	47.0
16:00-17:00 HOUR	59.9	70.3	58.2
17:00-18:00 HOUR	61.3	92.0	57.0
18:00-19:00 HOUR	58.3	71.6	55.8
19:00-20:00 HOUR	60.0	80.9	55.8
20:00-21:00 HOUR	56.4	72.7	49.8
21:00-22:00 HOUR	52.7	69.0	45.7
22:00-23:00 HOUR	51.1	72.8	44.6
23:00-00:00 HOUR	54.5	69.9	45.6
00:00-01:00 HOUR	49.6	68.8	44.1
01:00-02:00 HOUR	46.4	63.6	44.0
02:00-03:00 HOUR	46.3	60.7	44.4
03:00-04:00 HOUR	45.4	59.9	43.0
04:00-05:00 HOUR	45.5	73.3	42.7
05:00-06:00 HOUR	51.3	68.2	42.8
06:00-07:00 HOUR	50.2	72.4	43.6
L _{Aeq} 24 hours	55.6		
L _{Adn}	58.4		

TIME*	RESULT dB(A)		
	POAR9-1: BAN BO RANG 47P 734055, 1724685		
	MARCH 25 - 26, 2022		
	T22AF915-0002		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	55.8	76.9	50.5
08:00-09:00 HOUR	57.5	78.3	48.5
09:00-10:00 HOUR	54.7	76.3	46.0
10:00-11:00 HOUR	56.4	84.3	47.6
11:00-12:00 HOUR	56.9	81.8	48.1
12:00-13:00 HOUR	57.5	89.5	48.0
13:00-14:00 HOUR	55.7	72.1	48.0
14:00-15:00 HOUR	56.5	74.7	47.0
15:00-16:00 HOUR	55.8	73.3	48.1
16:00-17:00 HOUR	55.5	75.2	47.7
17:00-18:00 HOUR	59.3	81.6	45.2
18:00-19:00 HOUR	53.3	70.8	44.9
19:00-20:00 HOUR	55.6	82.9	44.7
20:00-21:00 HOUR	54.3	75.9	45.3
21:00-22:00 HOUR	54.8	69.6	46.5
22:00-23:00 HOUR	57.6	78.5	48.3
23:00-00:00 HOUR	55.8	65.6	54.7
00:00-01:00 HOUR	52.9	64.8	47.8
01:00-02:00 HOUR	50.6	66.9	46.0
02:00-03:00 HOUR	50.1	63.4	46.6
03:00-04:00 HOUR	48.2	65.8	45.4
04:00-05:00 HOUR	49.1	69.1	45.7
05:00-06:00 HOUR	49.1	72.8	43.9
06:00-07:00 HOUR	53.9	71.4	48.6
L _{Aeq} 24 hours	55.3		
L _{Adn}	60.1		



TIME*	RESULT dB(A)		
	POAR9-1: BAN BO RANG 47P 734055, 1724685		
	MARCH 26 - 27, 2022		
	T22AF915-0003		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	56.2	79.7	52.2
08:00-09:00 HOUR	56.2	75.0	49.4
09:00-10:00 HOUR	56.0	79.0	46.5
10:00-11:00 HOUR	56.5	86.0	45.2
11:00-12:00 HOUR	53.9	74.3	46.2
12:00-13:00 HOUR	53.8	76.6	44.6
13:00-14:00 HOUR	55.2	73.1	45.7
14:00-15:00 HOUR	53.8	71.6	45.3
15:00-16:00 HOUR	54.7	74.7	46.0
16:00-17:00 HOUR	55.0	71.7	48.6
17:00-18:00 HOUR	52.8	66.3	45.7
18:00-19:00 HOUR	61.4	77.2	50.8
19:00-20:00 HOUR	56.0	71.2	47.5
20:00-21:00 HOUR	54.4	74.4	46.4
21:00-22:00 HOUR	55.9	79.0	45.5
22:00-23:00 HOUR	54.0	74.1	44.3
23:00-00:00 HOUR	54.0	73.5	44.1
00:00-01:00 HOUR	54.7	74.7	46.2
01:00-02:00 HOUR	50.3	71.7	44.5
02:00-03:00 HOUR	46.8	60.7	44.5
03:00-04:00 HOUR	48.4	64.4	44.1
04:00-05:00 HOUR	50.0	71.8	45.1
05:00-06:00 HOUR	51.3	67.8	44.8
06:00-07:00 HOUR	56.0	72.9	47.6
L _{Aeq} 24 hours	55.0		
L _{Adn}	59.7		

Sila Banjongjairuk

(MR. SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 5, 2022

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING SOURCE : POAR9-2: BAN KHLONG MUANG MEDITATION 47P 734247, 1722875
MEASURING TYPE : AMBIENT (NOISE) **RECEIVED DATE** : MARCH 24-27, 2022
MEASURING DATE : MARCH 24-27, 2022 **ANALYTICAL DATE** : MARCH 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U024187
MEASURING METHOD : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2022-001205
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T22AF915-0004 - T22AF915-0006

TIME*	RESULT dB(A)		
	POAR9-2: BAN KHLONG MUANG MEDITATION 47P 734247, 1722875		
	MARCH 24 - 25, 2022		
	T22AF915-0004		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	51.2	66.8	47.5
08:00-09:00 HOUR	51.5	62.1	50.5
09:00-10:00 HOUR	51.3	61.6	50.5
10:00-11:00 HOUR	51.5	67.1	45.1
11:00-12:00 HOUR	51.2	74.0	44.2
12:00-13:00 HOUR	53.4	68.3	46.2
13:00-14:00 HOUR	54.0	83.7	44.9
14:00-15:00 HOUR	50.5	67.1	45.1
15:00-16:00 HOUR	53.2	76.6	44.8
16:00-17:00 HOUR	50.8	66.5	44.6
17:00-18:00 HOUR	52.7	72.7	44.8
18:00-19:00 HOUR	52.8	71.1	44.2
19:00-20:00 HOUR	50.4	70.6	42.6
20:00-21:00 HOUR	48.4	61.5	45.5
21:00-22:00 HOUR	49.0	70.3	48.2
22:00-23:00 HOUR	48.1	58.4	46.8
23:00-00:00 HOUR	48.1	66.2	47.0
00:00-01:00 HOUR	48.5	65.6	46.7
01:00-02:00 HOUR	47.8	55.7	46.4
02:00-03:00 HOUR	47.7	53.6	46.3
03:00-04:00 HOUR	48.9	66.2	46.6
04:00-05:00 HOUR	45.8	59.6	43.7
05:00-06:00 HOUR	47.1	63.7	43.6
06:00-07:00 HOUR	47.3	63.0	44.1
L _{Aeq} 24 hours	50.6		
L _{Adn}	55.0		



TIME*	RESULT dB(A)		
	POAR9-2:BAN KHLONG MUANG MEDITATION 47P 734247,1722875		
	MARCH 25 - 26, 2022		
	T22AF915-0005		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	53.9	69.7	45.4
08:00-09:00 HOUR	58.4	80.5	48.8
09:00-10:00 HOUR	58.4	72.2	46.0
10:00-11:00 HOUR	55.1	69.2	44.7
11:00-12:00 HOUR	50.9	72.2	43.5
12:00-13:00 HOUR	51.1	73.2	42.4
13:00-14:00 HOUR	55.0	72.7	45.1
14:00-15:00 HOUR	52.7	80.2	45.0
15:00-16:00 HOUR	54.0	91.9	42.7
16:00-17:00 HOUR	50.1	70.3	41.8
17:00-18:00 HOUR	54.7	72.5	47.7
18:00-19:00 HOUR	51.2	70.8	45.6
19:00-20:00 HOUR	50.7	69.8	44.9
20:00-21:00 HOUR	48.7	69.8	43.7
21:00-22:00 HOUR	55.9	81.3	43.7
22:00-23:00 HOUR	50.4	67.0	43.2
23:00-00:00 HOUR	46.6	63.6	41.4
00:00-01:00 HOUR	43.7	62.4	40.2
01:00-02:00 HOUR	47.7	69.9	41.6
02:00-03:00 HOUR	46.0	63.5	44.3
03:00-04:00 HOUR	45.9	65.3	44.3
04:00-05:00 HOUR	45.5	57.0	44.6
05:00-06:00 HOUR	44.9	53.5	44.0
06:00-07:00 HOUR	45.5	58.8	43.4
L _{Aeq} 24 hours		52.7	
L _{Adn}		55.4	

TIME*	RESULT dB(A)		
	POAR9-2:BAN KHLONG MUANG MEDITATION 47P 734247,1722875		
	MARCH 26 - 27, 2022		
	T22AF915-0006		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	49.4	64.5	43.9
08:00-09:00 HOUR	50.5	70.9	43.3
09:00-10:00 HOUR	51.4	72.2	42.9
10:00-11:00 HOUR	48.7	66.6	42.4
11:00-12:00 HOUR	49.0	67.4	42.7
12:00-13:00 HOUR	50.3	69.8	42.7
13:00-14:00 HOUR	48.7	66.1	43.9
14:00-15:00 HOUR	51.5	61.7	50.5
15:00-16:00 HOUR	52.3	74.6	48.0
16:00-17:00 HOUR	50.5	70.2	49.2
17:00-18:00 HOUR	50.1	60.4	47.9
18:00-19:00 HOUR	49.1	58.0	48.2
19:00-20:00 HOUR	50.0	61.5	48.8
20:00-21:00 HOUR	49.4	60.2	48.5
21:00-22:00 HOUR	47.2	57.5	46.1
22:00-23:00 HOUR	46.3	54.7	44.7
23:00-00:00 HOUR	46.0	60.8	44.0
00:00-01:00 HOUR	47.0	55.9	45.7
01:00-02:00 HOUR	46.4	62.1	43.9
02:00-03:00 HOUR	44.4	57.7	43.0
03:00-04:00 HOUR	45.9	60.5	43.6
04:00-05:00 HOUR	47.8	64.7	42.3
05:00-06:00 HOUR	47.8	64.8	43.2
06:00-07:00 HOUR	53.1	75.1	44.2
L _{Aeq} 24 hours		49.4	
L _{Adn}		54.8	

hid 7p

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

APRIL 5, 2022

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING SOURCE : POAR 9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)
MEASURING TYPE : AMBIENT (NOISE) **RECEIVED DATE** : MAY 1-4, 2022
MEASURING DATE : MAY 1-4, 2022 **ANALYTICAL DATE** : MAY 1-4, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U034499
MEASURING METHOD : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2022-001205
MEASURED BY : MR UTHAI KAEWRAMOOK **ANALYSIS NO.** : T22AI372-0004 - T22AI372-0006

TIME*	RESULT dB(A)		
	POAR 9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)		
	MAY 1-2, 2022		
	T22AI372-0004		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	51.7	73.6	47.1
08:00-09:00 HOUR	52.0	70.7	46.5
09:00-10:00 HOUR	51.3	70.8	46.8
10:00-11:00 HOUR	51.5	80.1	45.6
11:00-12:00 HOUR	48.3	65.2	45.4
12:00-13:00 HOUR	50.7	75.5	46.2
13:00-14:00 HOUR	51.3	74.7	46.3
14:00-15:00 HOUR	56.5	91.7	47.9
15:00-16:00 HOUR	63.6	88.4	50.7
16:00-17:00 HOUR	58.3	96.4	47.6
17:00-18:00 HOUR	53.2	80.7	46.4
18:00-19:00 HOUR	50.0	65.5	46.9
19:00-20:00 HOUR	50.1	67.4	47.9
20:00-21:00 HOUR	49.9	64.4	48.4
21:00-22:00 HOUR	49.6	60.5	48.4
22:00-23:00 HOUR	50.4	70.3	48.2
23:00-00:00 HOUR	49.9	61.8	48.0
00:00-01:00 HOUR	48.5	62.7	46.7
01:00-02:00 HOUR	49.5	63.6	47.3
02:00-03:00 HOUR	52.4	64.5	50.0
03:00-04:00 HOUR	53.9	61.1	49.4
04:00-05:00 HOUR	54.4	75.6	49.4
05:00-06:00 HOUR	51.3	68.5	47.2
06:00-07:00 HOUR	53.2	74.3	48.1
L _{Aeq} 24 hours	54.2		
L _{Adn}	59.0		

TIME*	RESULT dB(A)		
	POAR 9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)		
	MAY 2-3, 2022		
	T22AI372-0005		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	51.0	77.2	46.4
08:00-09:00 HOUR	51.2	68.4	47.3
09:00-10:00 HOUR	52.8	72.9	47.4
10:00-11:00 HOUR	52.2	72.6	47.6
11:00-12:00 HOUR	51.4	69.7	47.1
12:00-13:00 HOUR	50.7	69.3	46.4
13:00-14:00 HOUR	51.4	70.7	47.0
14:00-15:00 HOUR	50.9	67.4	46.5
15:00-16:00 HOUR	51.9	86.2	46.3
16:00-17:00 HOUR	51.5	72.8	46.6
17:00-18:00 HOUR	52.5	79.4	46.5
18:00-19:00 HOUR	52.3	77.1	47.2
19:00-20:00 HOUR	49.9	62.5	47.7
20:00-21:00 HOUR	50.7	75.6	47.1
21:00-22:00 HOUR	48.7	67.8	47.1
22:00-23:00 HOUR	49.2	64.4	47.8
23:00-00:00 HOUR	52.4	62.8	48.2
00:00-01:00 HOUR	53.4	61.7	49.7
01:00-02:00 HOUR	49.0	65.5	47.1
02:00-03:00 HOUR	48.7	57.2	47.1
03:00-04:00 HOUR	47.8	56.5	46.8
04:00-05:00 HOUR	47.9	60.3	46.5
05:00-06:00 HOUR	52.5	70.0	46.8
06:00-07:00 HOUR	52.6	71.6	47.5
L _{Aeq} 24 hours	51.2		
L _{Adn}	57.4		



TIME*	RESULT dB(A)		
	POAR 9-3 : BANNASANUN SCHOOL (UTM WGS 84 ZONE 47P 734419E 1717685N)		
	MAY 3-4, 2022		
	T22A1372-0006		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	51.4	75.4	46.8
08:00-09:00 HOUR	51.6	69.6	46.9
09:00-10:00 HOUR	52.1	71.9	47.1
10:00-11:00 HOUR	51.9	76.4	46.6
11:00-12:00 HOUR	49.9	67.5	46.3
12:00-13:00 HOUR	50.7	72.4	46.3
13:00-14:00 HOUR	51.4	72.7	46.7
14:00-15:00 HOUR	58.7	89.2	48.1
15:00-16:00 HOUR	53.5	71.9	47.3
16:00-17:00 HOUR	50.5	75.2	46.8
17:00-18:00 HOUR	49.3	71.4	46.5
18:00-19:00 HOUR	50.2	78.1	47.1
19:00-20:00 HOUR	50.0	61.7	48.8
20:00-21:00 HOUR	48.7	61.6	47.3
21:00-22:00 HOUR	53.1	79.2	48.2
22:00-23:00 HOUR	50.8	66.5	49.5
23:00-00:00 HOUR	48.9	63.1	47.3
00:00-01:00 HOUR	48.3	56.3	47.1
01:00-02:00 HOUR	49.3	64.6	47.2
02:00-03:00 HOUR	50.6	60.9	48.6
03:00-04:00 HOUR	50.9	58.8	48.1
04:00-05:00 HOUR	50.1	64.3	46.6
05:00-06:00 HOUR	51.2	83.5	46.4
06:00-07:00 HOUR	50.7	70.3	46.7
L _{Aeq} 24 hours		51.7	
L _{Adn}		57.0	

Sila Banjongjairuk

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

MAY 25, 2022

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING SOURCE : POAR9-5:SOMPOTCHKRUNSONGROIPEE TEMPLE 47P 736112,1720075
MEASURING TYPE : AMBIENT (NOISE) **RECEIVED DATE** : MARCH 24-27, 2022
MEASURING DATE : MARCH 24-27, 2022 **ANALYTICAL DATE** : MARCH 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U024188
MEASURING METHOD : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2022-001205
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T22AF915-0007 - T22AF915-0009

TIME*	RESULT dB(A)		
	POAR9-5:SOMPOTCHKRUNSONGROIPEE TEMPLE 47P 736112,1720075		
	MARCH 24 - 25, 2022		
	T22AF915-0007		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	58.0	78.1	46.0
08:00-09:00 HOUR	54.6	71.9	46.2
09:00-10:00 HOUR	52.2	74.7	44.5
10:00-11:00 HOUR	56.8	80.6	44.7
11:00-12:00 HOUR	51.9	66.9	43.7
12:00-13:00 HOUR	52.2	74.3	44.2
13:00-14:00 HOUR	54.0	72.5	44.0
14:00-15:00 HOUR	51.9	67.4	43.6
15:00-16:00 HOUR	55.4	86.3	46.3
16:00-17:00 HOUR	51.6	72.3	42.6
17:00-18:00 HOUR	53.4	73.6	44.2
18:00-19:00 HOUR	53.1	75.6	45.9
19:00-20:00 HOUR	53.3	74.8	42.1
20:00-21:00 HOUR	52.0	67.8	49.6
21:00-22:00 HOUR	48.6	62.3	46.2
22:00-23:00 HOUR	48.9	66.5	44.2
23:00-00:00 HOUR	45.2	59.6	43.8
00:00-01:00 HOUR	46.1	57.2	42.9
01:00-02:00 HOUR	45.6	69.8	43.5
02:00-03:00 HOUR	45.8	63.0	44.1
03:00-04:00 HOUR	43.0	55.4	41.8
04:00-05:00 HOUR	44.4	62.7	42.7
05:00-06:00 HOUR	46.9	65.8	44.2
06:00-07:00 HOUR	53.2	76.5	45.2
L _{Aeq} 24 hours		52.4	
L _{Adn}		55.7	



TIME*	RESULT dB(A)		
	POAR9-5:SOMPOTCHKRUNSONGROIPEE TEMPLE 47P 736112,1720075		
	MARCH 25 - 26, 2022		
	T22AF915-0008		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	52.7	63.5	51.9
08:00-09:00 HOUR	52.6	63.2	51.6
09:00-10:00 HOUR	51.4	56.1	44.1
10:00-11:00 HOUR	53.3	60.8	51.3
11:00-12:00 HOUR	51.5	58.5	50.2
12:00-13:00 HOUR	50.2	52.9	48.9
13:00-14:00 HOUR	50.2	74.9	47.1
14:00-15:00 HOUR	50.2	69.0	48.6
15:00-16:00 HOUR	49.0	56.4	46.4
16:00-17:00 HOUR	52.3	75.5	44.1
17:00-18:00 HOUR	50.9	68.1	43.8
18:00-19:00 HOUR	52.0	70.5	43.7
19:00-20:00 HOUR	54.2	79.8	43.4
20:00-21:00 HOUR	49.7	69.3	43.2
21:00-22:00 HOUR	54.6	82.8	43.0
22:00-23:00 HOUR	53.5	84.7	43.8
23:00-00:00 HOUR	51.0	69.4	42.9
00:00-01:00 HOUR	49.3	68.9	41.7
01:00-02:00 HOUR	47.8	70.1	45.4
02:00-03:00 HOUR	47.3	58.4	45.3
03:00-04:00 HOUR	46.5	55.2	45.3
04:00-05:00 HOUR	46.9	66.5	45.3
05:00-06:00 HOUR	45.3	57.9	43.5
06:00-07:00 HOUR	45.6	62.6	43.7
L _{Aeq} 24 hours		51.1	
L _{Adn}		56.0	

TIME*	RESULT dB(A)		
	POAR9-5:SOMPOTCHKRUNSONGROIPEE TEMPLE 47P 736112,1720075		
	MARCH 26 - 27, 2022		
	T22AF915-0009		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	46.2	57.3	45.1
08:00-09:00 HOUR	51.0	68.0	45.9
09:00-10:00 HOUR	51.6	68.9	45.3
10:00-11:00 HOUR	51.7	73.0	44.7
11:00-12:00 HOUR	48.4	64.4	43.3
12:00-13:00 HOUR	51.1	66.8	43.7
13:00-14:00 HOUR	50.4	66.9	43.6
14:00-15:00 HOUR	51.7	71.4	42.7
15:00-16:00 HOUR	50.3	67.2	42.9
16:00-17:00 HOUR	51.3	76.1	43.7
17:00-18:00 HOUR	51.1	68.3	42.2
18:00-19:00 HOUR	51.8	74.0	43.4
19:00-20:00 HOUR	50.5	69.9	43.1
20:00-21:00 HOUR	52.0	68.5	42.7
21:00-22:00 HOUR	49.2	64.3	42.0
22:00-23:00 HOUR	47.6	63.2	41.6
23:00-00:00 HOUR	47.6	65.1	41.9
00:00-01:00 HOUR	50.4	69.9	42.9
01:00-02:00 HOUR	49.9	72.9	42.5
02:00-03:00 HOUR	48.7	63.9	41.9
03:00-04:00 HOUR	48.2	64.0	42.0
04:00-05:00 HOUR	50.9	73.6	43.0
05:00-06:00 HOUR	54.7	71.3	44.1
06:00-07:00 HOUR	53.6	60.1	50.8
L _{Aeq} 24 hours		50.8	
L _{Adn}		57.3	

Sila Banjongjairuk

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 5, 2022

ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
MEASURING SOURCE : INSE-AN1:BAN KHOK PHON PHATTHANA (BAN KHOK AI PHON) 47P 734227,1726326
MEASURING TYPE : AMBIENT (NOISE) **RECEIVED DATE** : MARCH 24-27, 2022
MEASURING DATE : MARCH 24-27, 2022 **ANALYTICAL DATE** : MARCH 24-27, 2022
MEASURING TIME : * **REPORT NO.** : 2022-U024189
MEASURING METHOD : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2022-001205
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T22AF915-0010 - T22AF915-0012

TIME*	RESULT dB(A)		
	INSE-AN1:BAN KHOK PHON PHATTHANA (BAN KHOK AI PHON) 47P 734227,1726326		
	MARCH 24 - 25, 2022		
	T22AF915-0010		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	56.9	75.4	43.1
08:00-09:00 HOUR	56.2	73.5	45.3
09:00-10:00 HOUR	56.1	75.7	40.2
10:00-11:00 HOUR	53.8	69.8	40.0
11:00-12:00 HOUR	55.1	75.4	41.0
12:00-13:00 HOUR	56.7	75.7	42.1
13:00-14:00 HOUR	58.1	81.2	42.4
14:00-15:00 HOUR	60.9	78.9	45.2
15:00-16:00 HOUR	60.0	81.0	43.5
16:00-17:00 HOUR	56.1	72.7	44.7
17:00-18:00 HOUR	59.1	76.7	52.4
18:00-19:00 HOUR	60.4	75.0	58.7
19:00-20:00 HOUR	60.6	81.7	57.9
20:00-21:00 HOUR	59.0	66.9	53.7
21:00-22:00 HOUR	54.9	79.4	47.7
22:00-23:00 HOUR	51.4	70.9	46.5
23:00-00:00 HOUR	50.3	68.7	44.1
00:00-01:00 HOUR	47.6	63.6	44.7
01:00-02:00 HOUR	52.9	73.2	47.4
02:00-03:00 HOUR	58.0	82.8	50.9
03:00-04:00 HOUR	52.3	67.0	50.3
04:00-05:00 HOUR	55.4	74.8	50.5
05:00-06:00 HOUR	56.1	68.0	50.2
06:00-07:00 HOUR	55.2	69.4	48.2
L _{Aeq} 24 hours	57.1		
L _{Adn}	61.5		

TIME*	RESULT dB(A)		
	INSE-AN1:BAN KHOK PHON PHATTHANA (BAN KHOK AI PHON) 47P 734227,1726326		
	MARCH 25 - 26, 2022		
	T22AF915-0011		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	58.9	79.1	47.6
08:00-09:00 HOUR	57.4	75.1	46.2
09:00-10:00 HOUR	57.3	72.4	45.9
10:00-11:00 HOUR	57.4	74.3	46.1
11:00-12:00 HOUR	56.9	73.9	47.5
12:00-13:00 HOUR	57.1	79.0	45.6
13:00-14:00 HOUR	57.9	81.2	43.6
14:00-15:00 HOUR	57.1	73.0	44.5
15:00-16:00 HOUR	61.2	92.8	48.1
16:00-17:00 HOUR	56.6	76.3	45.5
17:00-18:00 HOUR	55.3	71.5	44.6
18:00-19:00 HOUR	55.0	72.7	44.1
19:00-20:00 HOUR	54.3	73.3	44.2
20:00-21:00 HOUR	57.1	74.8	45.1
21:00-22:00 HOUR	55.9	75.8	46.3
22:00-23:00 HOUR	54.9	79.6	50.7
23:00-00:00 HOUR	52.0	72.7	49.9
00:00-01:00 HOUR	51.7	64.6	50.1
01:00-02:00 HOUR	51.7	66.8	49.7
02:00-03:00 HOUR	52.4	67.7	50.8
03:00-04:00 HOUR	53.6	74.9	50.4
04:00-05:00 HOUR	52.9	69.8	50.6
05:00-06:00 HOUR	53.5	73.6	49.6
06:00-07:00 HOUR	51.3	61.4	49.8
L _{Aeq} 24 hours	56.1		
L _{Adn}	60.2		



TIME*	RESULT dB(A)		
	INSE-AN1: BAN KHOK PHON PHATTHANA (BAN KHOK AI PHON) 47P 734227, 1726326		
	MARCH 26 - 27, 2022		
	T22AF915-0012		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	51.1	60.8	49.5
08:00-09:00 HOUR	52.3	67.8	50.2
09:00-10:00 HOUR	55.8	72.3	49.3
10:00-11:00 HOUR	59.3	80.6	48.9
11:00-12:00 HOUR	57.1	73.1	47.4
12:00-13:00 HOUR	57.5	78.0	46.5
13:00-14:00 HOUR	57.2	71.7	45.7
14:00-15:00 HOUR	56.7	72.3	46.4
15:00-16:00 HOUR	57.0	76.1	45.1
16:00-17:00 HOUR	56.3	75.9	44.6
17:00-18:00 HOUR	61.5	85.3	43.9
18:00-19:00 HOUR	53.4	72.4	43.2
19:00-20:00 HOUR	55.2	75.6	43.3
20:00-21:00 HOUR	54.3	75.3	43.6
21:00-22:00 HOUR	54.4	70.5	43.3
22:00-23:00 HOUR	56.9	78.6	43.8
23:00-00:00 HOUR	54.9	77.4	42.8
00:00-01:00 HOUR	54.6	81.2	49.9
01:00-02:00 HOUR	54.2	80.0	49.1
02:00-03:00 HOUR	53.8	69.7	49.9
03:00-04:00 HOUR	55.2	70.5	50.4
04:00-05:00 HOUR	54.9	73.0	50.8
05:00-06:00 HOUR	56.0	68.4	52.3
06:00-07:00 HOUR	56.2	77.2	50.1
L _{Aeq} 24 hours	56.2		
L _{Adn}	61.9		

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

APRIL 5, 2022

คุณภาพน้ำผิวดิน



ANALYSIS REPORT

CUSTOMER NAME : ECO ORIENT RESOURCES (THAILAND) LTD.
ADDRESS : 555 RASA TOWER II, 12TH FLOOR, UNIT 1203 PHAHOLYOTHIN ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1124-9 e-mail : anucha@ecothai.net
SAMPLING SOURCE : 9SW6 (19SW6) (UTM WGS 84 ZONE 47P 734859E 1722018N)
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : MARCH 31, 2022
SAMPLING TIME : 10:20 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR PORAWORN BUNNAG
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : APRIL 1, 2022
ANALYTICAL DATE : APRIL 1-14, 2022
REPORT NO. : 2022-U028874
WORK NO. : 2022-001205
ANALYSIS NO. : T22AG232-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			9SW6 (19SW6) T22AG232-0001		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM4500-H° B)	8.2 (30°C)	5.0-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	65.2 (30°C)	-	0.1
CHLORIDE °	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	4.9	-	2.0
SULPHATE °	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	7.8	-	0.3
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
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	7.42	-	0.005
TOTAL CHROMIUM °	mg/L Cr	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
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0006	≤ 0.01	0.0003
CHROMIUM HEXAVALENT °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.002	0.0001
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
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
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.05	0.003
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.069	≤ 1.0	0.002



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			9SW6 (19SW6) T22AG232-0001		
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
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
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			YELLOW		

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

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

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

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

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

REGULATORY STANDARD : 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

≤ 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.



(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

APRIL 22, 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 : 9SW7 (I9SW7) (UTM WGS 84 ZONE 47P 733933E 1724104N)
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : MARCH 31, 2022
SAMPLING TIME : 11:45 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PORAWORN BUNNAG
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : APRIL 1, 2022
ANALYTICAL DATE : APRIL 1-14, 2022
REPORT NO. : 2022-U028875
WORK NO. : 2022-001205
ANALYSIS NO. : T22AG232-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			9SW7 (I9SW7) T22AG232-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.4 (31°C)	5.0-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	55.2 (31°C)	-	0.1
CHLORIDE °	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	3.9	-	2.0
SULPHATE °	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	ND	-	0.3
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
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	10.8	-	0.005
TOTAL CHROMIUM °	mg/L Cr	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
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0005	≤ 0.01	0.0003
CHROMIUM HEXAVALENT °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.002	0.0001
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
COPPER °	mg/L Cu	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	≤ 0.1	0.002
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.05	0.003
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.368	≤ 1.0	0.002



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			9SW7 (I9SW7) T22AG232-0002		
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
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
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			YELLOW		

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

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

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

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

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

REGULATORY STANDARD : SURFACE WATER QUALITY STANDARDS CLASS 3, NOTIFICATION OF THE NATIONAL ENVIRONMENT BOARD, NO.8, B.E. 2537 ISSUED UNDER THE ENCHANCEMENT 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

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

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

ND : NON-DETECTABLE.

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



(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

APRIL 22, 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 : INSESW1 (UTM WGS 84 ZONE 47P 734753E 1726133N)
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : MARCH 31, 2022
SAMPLING TIME : 13:45 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PORAWORN BUNNAG
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : APRIL 1, 2022
ANALYTICAL DATE : APRIL 1-14, 2022
REPORT NO. : 2022-U028876
WORK NO. : 2022-001205
ANALYSIS NO. : T22AG232-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			INSESW1 T22AG232-0003		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM4500-H ⁺ B)	7.2 (33°C)	5.0-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	30.9 (33°C)	-	0.1
CHLORIDE °	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	ND	-	2.0
SULPHATE °	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	ND	-	0.3
TOTAL PETROLEUM HYDROCARBONS °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	-	3
METALS					
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	0.640	-	0.005
TOTAL CHROMIUM °	mg/L Cr	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
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0005	≤ 0.01	0.0003
CHROMIUM HEXAVALENT °	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.05	0.006
MERCURY °	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	≤ 0.002	0.0001
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
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
LEAD °	mg/L Pb	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	≤ 0.05	0.003
MANGANESE °	mg/L Mn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.119	≤ 1.0	0.002



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			INSESW1 T22AG232-0003		
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
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
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR YELLOW		

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

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

ND : NON-DETECTABLE.



(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

APRIL 22, 2022