

ภาคผนวก ญ
ใบรายงานผลการวิเคราะห์



อากาศ





ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHONYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
SAMPLE SOURCE : L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : ** : SEPTEMBER 26, 2022
: ** : SEPTEMBER 26-28, 2022
SAMPLING TIME : ** : 2022-077919
: ** : 2022-077919
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIEK
ANALYZED BY : MISS JETJARN TUMSA-AT

RECEIVED DATE : SEPTEMBER 26, 2022
ANALYTICAL DATE : SEPTEMBER 26-28, 2022
REPORT NO. : 2022-077919
WORK NO. : 2022-006175
ANALYSIS NO. : T22AT003-0007 - T22AT003-0009

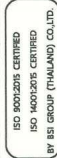
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			L53-GA3		
			*	**	***
			T22AT003-0007	T22AT003-0008	T22AT003-0009
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.032	0.035	0.027
PARTICULATE MATTER (≤ 10 μm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.021	0.020	0.016
SAMPLE CONDITION			COMPLETE	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 1 PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER 1 PART 50, APPENDIX J.
* : SAMPLING FROM 09:30 HOUR ON SEPTEMBER 22, 2022 TO 09:30 HOUR ON SEPTEMBER 23, 2022.
** : SAMPLING FROM 09:30 HOUR ON SEPTEMBER 23, 2022 TO 09:30 HOUR ON SEPTEMBER 24, 2022.
*** : SAMPLING FROM 09:30 HOUR ON SEPTEMBER 24, 2022 TO 09:30 HOUR ON SEPTEMBER 25, 2022.

Handwritten signature: Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

OCTOBER 5, 2022

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• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.



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CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHONYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
MEASURING PLACE : L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : SEPTEMBER 22-25, 2022
: SEPTEMBER 22-25, 2022
MEASURING TIME : * : 2022-077894
: 2022-077894
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR SIRAPAT JONGPHADUNGKIEK
: 2022-006175
: T22AT003-0001 - T22AT003-0003

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-077894
WORK NO. : 2022-006175
ANALYSIS NO. : T22AT003-0001 - T22AT003-0003

TIME *	RESULT (m/s)					
	L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)			SEPTEMBER 24-25, 2022		
	SEPTEMBER 22-23, 2022		SEPTEMBER 23-24, 2022		T22AT003-0003	
	T22AT003-0001		T22AT003-0002		T22AT003-0003	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	2.5	SW	2.7	W	2.9	SW
09:00-10:00 HOUR	2.8	W	2.6	WNW	3.3	SW
10:00-11:00 HOUR	1.5	SW	0.8	SSW	3.0	WSW
11:00-12:00 HOUR	2.0	WSW	0.5	W	3.3	W
12:00-13:00 HOUR	1.9	WNW	2.4	W	2.6	WSW
13:00-14:00 HOUR	2.1	WSW	1.1	SW	2.9	SSW
14:00-15:00 HOUR	2.1	WSW	2.8	WNW	1.3	WSW
15:00-16:00 HOUR	2.2	SSW	1.7	WSW	2.9	W
16:00-17:00 HOUR	2.3	WSW	1.7	SW	2.4	WSW
17:00-18:00 HOUR	1.8	W	3.2	W	1.3	WNW
18:00-19:00 HOUR	1.3	SW	1.0	SSW	1.5	WNW
19:00-20:00 HOUR	0.6	WSW	2.6	SSW	2.3	W
20:00-21:00 HOUR	0.7	SW	2.5	W	0.8	WSW
21:00-22:00 HOUR	0.4	WSW	0.6	SSW	2.7	WNW
22:00-23:00 HOUR	0.7	WSW	2.7	WNW	1.4	W
23:00-00:00 HOUR	2.9	SSW	3.2	SSW	1.9	WNW
00:00-01:00 HOUR	1.0	W	0.5	SW	1.1	WNW
01:00-02:00 HOUR	3.4	WNW	2.8	WNW	0.5	WNW
02:00-03:00 HOUR	1.8	WSW	3.0	WSW	1.6	SW
03:00-04:00 HOUR	3.1	SSW	1.6	WSW	2.5	WSW
04:00-05:00 HOUR	2.3	SW	1.7	SSW	1.1	WNW
05:00-06:00 HOUR	2.1	SW	1.0	W	1.0	W
06:00-07:00 HOUR	1.2	WNW	2.6	W	0.4	SW
07:00-08:00 HOUR	1.9	SW	3.0	WNW	2.9	WSW

Handwritten signature: bil m
(MR SILA BANJONGAIRUK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)
MEASURING TYPE : AMBIENT (AIR)
RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077895
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR SIRAPAT JONGPHADUNGKIEET
ANALYSIS NO. : T22AT003-0004 - T22AT003-0006

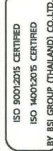
TIME *	RESULT (m/s)					
	L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)			SEPTEMBER 24-25, 2022		
	SEPTEMBER 22-23, 2022 T22AT003-0004	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	3.1	SSW	2.5	WSW	0.5	SW
09:00-10:00 HOUR	3.4	W	1.1	W	2.6	W
10:00-11:00 HOUR	0.8	SW	1.0	WNW	1.5	W
11:00-12:00 HOUR	2.3	W	2.6	NW	0.6	W
12:00-13:00 HOUR	1.3	W	0.9	NNW	1.2	SW
13:00-14:00 HOUR	3.2	W	3.3	NNW	2.0	WSW
14:00-15:00 HOUR	1.9	SW	2.7	NNW	2.3	WSW
15:00-16:00 HOUR	3.0	SW	0.7	NNW	1.8	SW
16:00-17:00 HOUR	2.1	W	1.3	NW	2.1	SW
17:00-18:00 HOUR	0.5	W	1.3	NNW	1.0	NNW
18:00-19:00 HOUR	1.7	SSW	2.1	W	2.1	W
19:00-20:00 HOUR	2.8	W	2.0	W	1.4	SSW
20:00-21:00 HOUR	1.7	WSW	0.4	NNW	0.4	WSW
21:00-22:00 HOUR	1.6	WSW	0.7	SSW	1.2	WSW
22:00-23:00 HOUR	1.1	SW	0.3	SSW	3.0	SSW
23:00-00:00 HOUR	2.9	W	3.0	SW	3.4	SW
00:00-01:00 HOUR	2.2	WSW	2.9	NNW	3.1	W
01:00-02:00 HOUR	2.6	SSW	1.2	W	1.2	W
02:00-03:00 HOUR	2.9	WSW	2.1	W	1.7	W
03:00-04:00 HOUR	2.7	W	2.1	SW	3.1	SW
04:00-05:00 HOUR	1.6	SW	2.9	W	0.8	SW
05:00-06:00 HOUR	0.7	W	1.7	W	1.5	SW
06:00-07:00 HOUR	1.1	WSW	0.5	SW	0.4	WSW
07:00-08:00 HOUR	0.4	SW	0.3	W	3.3	NNW

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(MR SILA BANONGJAIKRIK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)
MEASURING TYPE : AMBIENT (AIR)
RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077896
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR SIRAPAT JONGPHADUNGKIEET
ANALYSIS NO. : T22AT003-0007 - T22AT003-0009

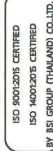
TIME *	RESULT (m/s)					
	L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)			SEPTEMBER 24-25, 2022		
	SEPTEMBER 22-23, 2022 T22AT003-0007	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	2.6	W	1.6	WNW	2.0	W
09:00-10:00 HOUR	0.3	SW	2.6	WSW	3.1	SW
10:00-11:00 HOUR	1.7	WNW	0.8	WSW	3.1	W
11:00-12:00 HOUR	1.7	WSW	1.6	WSW	1.8	W
12:00-13:00 HOUR	2.0	SW	2.2	WSW	2.1	W
13:00-14:00 HOUR	2.5	WSW	0.5	WSW	1.1	SW
14:00-15:00 HOUR	2.0	WSW	2.2	WSW	1.6	WSW
15:00-16:00 HOUR	2.7	SW	2.9	SW	2.7	WSW
16:00-17:00 HOUR	0.6	WNW	1.9	WSW	0.5	SW
17:00-18:00 HOUR	1.0	WSW	2.3	W	0.8	W
18:00-19:00 HOUR	1.7	SW	0.4	WSW	2.9	NNW
19:00-20:00 HOUR	1.2	SW	1.4	WSW	1.5	W
20:00-21:00 HOUR	1.2	SW	0.7	SW	2.6	NNW
21:00-22:00 HOUR	1.6	WSW	1.9	WNW	1.6	W
22:00-23:00 HOUR	2.2	WSW	2.5	W	1.0	WSW
23:00-00:00 HOUR	3.3	SW	1.6	NNW	3.1	WSW
00:00-01:00 HOUR	1.5	W	2.7	NNW	0.7	NNW
01:00-02:00 HOUR	1.3	WSW	1.9	WSW	0.7	NNW
02:00-03:00 HOUR	1.2	WNW	2.0	SW	3.2	WSW
03:00-04:00 HOUR	1.3	WSW	0.9	W	1.6	W
04:00-05:00 HOUR	0.4	WSW	3.3	WSW	2.8	NNW
05:00-06:00 HOUR	2.6	NNW	1.0	WSW	1.9	WSW
06:00-07:00 HOUR	0.3	W	1.3	W	2.9	SW
07:00-08:00 HOUR	0.3	WSW	2.3	SW	0.3	WSW

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakai@pruek@poesiam.com
MEASURING PLACE : L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : SEPTEMBER 22-25, 2022
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR SIRAPAT JONGPHADUNGKINET

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077885
WORK NO. : 2022-006175
ANALYSIS NO. : T22AT003-0001 - T22AT003-0003

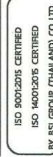
TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	SEPTEMBER 22-23, 2022 T22AT003-0001	SEPTEMBER 23-24, 2022 T22AT003-0002	SEPTEMBER 24-25, 2022 T22AT003-0003
08:00-09:00 HOUR	0.0066	0.0074	0.0071
09:00-10:00 HOUR	0.0059	0.0069	0.0068
10:00-11:00 HOUR	0.0056	0.0053	0.0064
11:00-12:00 HOUR	0.0058	0.0065	0.0063
12:00-13:00 HOUR	0.0066	0.0073	0.0070
13:00-14:00 HOUR	0.0060	0.0057	0.0071
14:00-15:00 HOUR	0.0052	0.0053	0.0063
15:00-16:00 HOUR	0.0060	0.0057	0.0064
16:00-17:00 HOUR	0.0060	0.0082	0.0062
17:00-18:00 HOUR	0.0067	0.0063	0.0056
18:00-19:00 HOUR	0.0057	0.0058	0.0060
19:00-20:00 HOUR	0.0056	0.0054	0.0058
20:00-21:00 HOUR	0.0047	0.0049	0.0043
21:00-22:00 HOUR	0.0049	0.0038	0.0046
22:00-23:00 HOUR	0.0042	0.0046	0.0059
23:00-00:00 HOUR	0.0041	0.0041	0.0051
00:00-01:00 HOUR	0.0057	0.0038	0.0049
01:00-02:00 HOUR	0.0049	0.0050	0.0049
02:00-03:00 HOUR	0.0055	0.0042	0.0048
03:00-04:00 HOUR	0.0053	0.0051	0.0046
04:00-05:00 HOUR	0.0051	0.0043	0.0051
05:00-06:00 HOUR	0.0050	0.0046	0.0059
06:00-07:00 HOUR	0.0067	0.0060	0.0059
07:00-08:00 HOUR	0.0070	0.0066	0.0069

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(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakai@pruek@poesiam.com
MEASURING PLACE : L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : SEPTEMBER 22-25, 2022
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR SIRAPAT JONGPHADUNGKINET

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077887
WORK NO. : 2022-006175
ANALYSIS NO. : T22AT003-0004 - T22AT003-0006

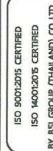
TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	SEPTEMBER 22-23, 2022 T22AT003-0004	SEPTEMBER 23-24, 2022 T22AT003-0005	SEPTEMBER 24-25, 2022 T22AT003-0006
08:00-09:00 HOUR	0.0072	0.0064	0.0072
09:00-10:00 HOUR	0.0075	0.0075	0.0080
10:00-11:00 HOUR	0.0058	0.0071	0.0070
11:00-12:00 HOUR	0.0071	0.0067	0.0078
12:00-13:00 HOUR	0.0086	0.0068	0.0082
13:00-14:00 HOUR	0.0068	0.0079	0.0074
14:00-15:00 HOUR	0.0078	0.0070	0.0055
15:00-16:00 HOUR	0.0059	0.0078	0.0066
16:00-17:00 HOUR	0.0070	0.0078	0.0081
17:00-18:00 HOUR	0.0074	0.0056	0.0061
18:00-19:00 HOUR	0.0063	0.0076	0.0068
19:00-20:00 HOUR	0.0062	0.0084	0.0076
20:00-21:00 HOUR	0.0053	0.0076	0.0058
21:00-22:00 HOUR	0.0050	0.0076	0.0062
22:00-23:00 HOUR	0.0042	0.0059	0.0053
23:00-00:00 HOUR	0.0055	0.0049	0.0042
00:00-01:00 HOUR	0.0051	0.0048	0.0051
01:00-02:00 HOUR	0.0047	0.0055	0.0045
02:00-03:00 HOUR	0.0049	0.0041	0.0050
03:00-04:00 HOUR	0.0046	0.0045	0.0055
04:00-05:00 HOUR	0.0047	0.0055	0.0048
05:00-06:00 HOUR	0.0045	0.0056	0.0048
06:00-07:00 HOUR	0.0048	0.0048	0.0054
07:00-08:00 HOUR	0.0051	0.0062	0.0070

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(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
MEASURING PLACE : L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : SEPTEMBER 22-25, 2022
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR SIRAPAT JONGPHADUNGKINET

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077892
WORK NO. : 2022-006175
ANALYSIS NO. : TZ2AT003-0004 - TZ2AT003-0006

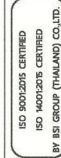
TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	SEPTEMBER 22-23, 2022 TZ2AT003-0004	L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N) SEPTEMBER 23-24, 2022 TZ2AT003-0005	SEPTEMBER 24-25, 2022 TZ2AT003-0006
08:00-09:00 HOUR	0.0033	0.0032	0.0039
09:00-10:00 HOUR	0.0039	0.0034	0.0034
10:00-11:00 HOUR	0.0036	0.0036	0.0041
11:00-12:00 HOUR	0.0042	0.0035	0.0042
12:00-13:00 HOUR	0.0033	0.0033	0.0037
13:00-14:00 HOUR	0.0039	0.0036	0.0034
14:00-15:00 HOUR	0.0040	0.0037	0.0040
15:00-16:00 HOUR	0.0038	0.0042	0.0034
16:00-17:00 HOUR	0.0038	0.0038	0.0042
17:00-18:00 HOUR	0.0039	0.0036	0.0041
18:00-19:00 HOUR	0.0036	0.0039	0.0039
19:00-20:00 HOUR	0.0037	0.0041	0.0042
20:00-21:00 HOUR	0.0036	0.0037	0.0040
21:00-22:00 HOUR	0.0034	0.0033	0.0038
22:00-23:00 HOUR	0.0038	0.0034	0.0034
23:00-00:00 HOUR	0.0041	0.0037	0.0037
00:00-01:00 HOUR	0.0034	0.0039	0.0035
01:00-02:00 HOUR	0.0034	0.0034	0.0038
02:00-03:00 HOUR	0.0034	0.0033	0.0039
03:00-04:00 HOUR	0.0035	0.0038	0.0036
04:00-05:00 HOUR	0.0032	0.0038	0.0033
05:00-06:00 HOUR	0.0028	0.0036	0.0036
06:00-07:00 HOUR	0.0032	0.0038	0.0038
07:00-08:00 HOUR	0.0030	0.0036	0.0040
AVERAGE 24 HOUR	0.0036	0.0036	0.0038

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(MR SILA BANJONGJAIKRIK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.



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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
MEASURING PLACE : L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : SEPTEMBER 22-25, 2022
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR SIRAPAT JONGPHADUNGKINET

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077893
WORK NO. : 2022-006175
ANALYSIS NO. : TZ2AT003-0007 - TZ2AT003-0009

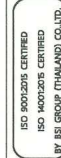
TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	SEPTEMBER 22-23, 2022 TZ2AT003-0007	L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N) SEPTEMBER 23-24, 2022 TZ2AT003-0008	SEPTEMBER 24-25, 2022 TZ2AT003-0009
08:00-09:00 HOUR	0.0028	0.0032	0.0028
09:00-10:00 HOUR	0.0030	0.0032	0.0033
10:00-11:00 HOUR	0.0027	0.0031	0.0032
11:00-12:00 HOUR	0.0030	0.0028	0.0029
12:00-13:00 HOUR	0.0034	0.0032	0.0034
13:00-14:00 HOUR	0.0033	0.0031	0.0032
14:00-15:00 HOUR	0.0029	0.0031	0.0032
15:00-16:00 HOUR	0.0032	0.0033	0.0030
16:00-17:00 HOUR	0.0033	0.0034	0.0030
17:00-18:00 HOUR	0.0031	0.0032	0.0034
18:00-19:00 HOUR	0.0027	0.0027	0.0029
19:00-20:00 HOUR	0.0032	0.0027	0.0028
20:00-21:00 HOUR	0.0031	0.0030	0.0030
21:00-22:00 HOUR	0.0027	0.0030	0.0029
22:00-23:00 HOUR	0.0029	0.0031	0.0027
23:00-00:00 HOUR	0.0028	0.0027	0.0028
00:00-01:00 HOUR	0.0030	0.0033	0.0027
01:00-02:00 HOUR	0.0025	0.0034	0.0028
02:00-03:00 HOUR	0.0027	0.0032	0.0027
03:00-04:00 HOUR	0.0025	0.0028	0.0025
04:00-05:00 HOUR	0.0029	0.0029	0.0027
05:00-06:00 HOUR	0.0030	0.0029	0.0026
06:00-07:00 HOUR	0.0029	0.0029	0.0027
07:00-08:00 HOUR	0.0030	0.0031	0.0029
AVERAGE 24 HOUR	0.0029	0.0030	0.0029

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(MR SILA BANJONGJAIKRIK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
MEASURING PLACE : L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : SEPTEMBER 22-25, 2022
MEASURING TIME : SEPTEMBER 22-25, 2022
: 2022-U077880
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION
MEASURED BY : MR SIRAPAT JONGPHADUNGKIEET

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077880
WORK NO. : 2022-006175
ANALYSIS NO. : T22AT003-0001 - T22AT003-0003

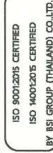
TIME *	RESULT (ppm)		
	CARBON MONOXIDE		
	SEPTEMBER 22-23, 2022 T22AT003-0001	SEPTEMBER 23-24, 2022 T22AT003-0002	SEPTEMBER 24-25, 2022 T22AT003-0003
08:00-09:00 HOUR	1.54	1.42	1.41
09:00-10:00 HOUR	1.33	1.65	1.37
10:00-11:00 HOUR	1.47	1.35	1.35
11:00-12:00 HOUR	1.34	1.49	1.27
12:00-13:00 HOUR	1.23	1.62	1.37
13:00-14:00 HOUR	1.42	1.44	1.28
14:00-15:00 HOUR	1.41	1.24	1.43
15:00-16:00 HOUR	1.46	1.31	1.32
16:00-17:00 HOUR	1.36	1.28	1.62
17:00-18:00 HOUR	1.28	1.53	1.59
18:00-19:00 HOUR	1.21	1.31	1.65
19:00-20:00 HOUR	1.35	1.60	1.53
20:00-21:00 HOUR	1.59	1.39	1.48
21:00-22:00 HOUR	1.45	1.26	1.33
22:00-23:00 HOUR	1.44	1.32	1.44
23:00-00:00 HOUR	1.45	1.27	1.29
00:00-01:00 HOUR	1.38	1.31	1.31
01:00-02:00 HOUR	1.27	1.35	1.31
02:00-03:00 HOUR	1.37	1.31	1.37
03:00-04:00 HOUR	1.26	1.29	1.26
04:00-05:00 HOUR	1.31	1.27	1.33
05:00-06:00 HOUR	1.35	1.39	1.41
06:00-07:00 HOUR	1.38	1.45	1.45
07:00-08:00 HOUR	1.41	1.53	1.58

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(MR SILA BANJONGAIRUK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
MEASURING PLACE : L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : SEPTEMBER 22-25, 2022
MEASURING TIME : SEPTEMBER 22-25, 2022
: 2022-U077882
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION
MEASURED BY : MR SIRAPAT JONGPHADUNGKIEET

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077882
WORK NO. : 2022-006175
ANALYSIS NO. : T22AT003-0004 - T22AT003-0006

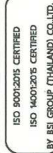
TIME *	RESULT (ppm)		
	CARBON MONOXIDE		
	SEPTEMBER 22-23, 2022 T22AT003-0004	SEPTEMBER 23-24, 2022 T22AT003-0005	SEPTEMBER 24-25, 2022 T22AT003-0006
08:00-09:00 HOUR	1.67	1.44	1.58
09:00-10:00 HOUR	1.51	1.61	1.41
10:00-11:00 HOUR	1.76	1.79	1.41
11:00-12:00 HOUR	1.53	1.48	1.44
12:00-13:00 HOUR	1.76	1.46	1.60
13:00-14:00 HOUR	1.69	1.43	1.49
14:00-15:00 HOUR	1.68	1.51	1.50
15:00-16:00 HOUR	1.58	1.50	1.67
16:00-17:00 HOUR	1.42	1.75	1.57
17:00-18:00 HOUR	1.74	1.78	1.57
18:00-19:00 HOUR	1.48	1.65	1.73
19:00-20:00 HOUR	1.78	1.71	1.59
20:00-21:00 HOUR	1.56	1.59	1.48
21:00-22:00 HOUR	1.43	1.46	1.45
22:00-23:00 HOUR	1.36	1.45	1.52
23:00-00:00 HOUR	1.28	1.47	1.45
00:00-01:00 HOUR	1.31	1.38	1.36
01:00-02:00 HOUR	1.37	1.31	1.45
02:00-03:00 HOUR	1.27	1.27	1.51
03:00-04:00 HOUR	1.35	1.32	1.43
04:00-05:00 HOUR	1.32	1.34	1.42
05:00-06:00 HOUR	1.33	1.33	1.44
06:00-07:00 HOUR	1.26	1.26	1.36
07:00-08:00 HOUR	1.34	1.46	1.51

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(MR SILA BANJONGAIRUK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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



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

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
MEASURING PLACE : L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : SEPTEMBER 22-25, 2022
MEASURING TIME : *
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077884
WORK NO. : 2022-006175
ANALYSIS NO. : T22AT003-0007 - T22AT003-0009

TIME *	RESULT (ppm)		
	CARBON MONOXIDE		
	SEPTEMBER 22-23, 2022 T22AT003-0007	SEPTEMBER 23-24, 2022 T22AT003-0008	SEPTEMBER 24-25, 2022 T22AT003-0009
08:00-09:00 HOUR	1.45	1.54	1.64
09:00-10:00 HOUR	1.45	1.36	1.65
10:00-11:00 HOUR	1.57	1.68	1.42
11:00-12:00 HOUR	1.32	1.56	1.43
12:00-13:00 HOUR	1.53	1.59	1.33
13:00-14:00 HOUR	1.45	1.44	1.33
14:00-15:00 HOUR	1.64	1.56	1.28
15:00-16:00 HOUR	1.29	1.32	1.45
16:00-17:00 HOUR	1.46	1.29	1.37
17:00-18:00 HOUR	1.30	1.29	1.66
18:00-19:00 HOUR	1.37	1.35	1.55
19:00-20:00 HOUR	1.54	1.33	1.58
20:00-21:00 HOUR	1.50	1.36	1.61
21:00-22:00 HOUR	1.31	1.33	1.43
22:00-23:00 HOUR	1.39	1.49	1.49
23:00-00:00 HOUR	1.27	1.44	1.51
00:00-01:00 HOUR	1.29	1.41	1.60
01:00-02:00 HOUR	1.31	1.35	1.40
02:00-03:00 HOUR	1.37	1.33	1.40
03:00-04:00 HOUR	1.27	1.44	1.41
04:00-05:00 HOUR	1.32	1.49	1.33
05:00-06:00 HOUR	1.36	1.42	1.37
06:00-07:00 HOUR	1.46	1.57	1.42
07:00-08:00 HOUR	1.48	1.58	1.52

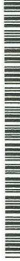
hid 7p

(MR SULA BANJONGJAIKRIK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LTD.
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
MEASURING PLACE : L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : SEPTEMBER 22-25, 2022
MEASURING TIME : *
MEASURING METHOD : CO₂ ANALYZER
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077876
WORK NO. : 2022-006175
ANALYSIS NO. : T22AT003-0001-T22AT003-0003

TIME*	RESULT		
	CARBON DIOXIDE		
	SEPTEMBER 22-23, 2022 T22AT003-0001	SEPTEMBER 23-24, 2022 T22AT003-0002	SEPTEMBER 24-25, 2022 T22AT003-0003
08:00-09:00 HOUR	228.9	241.8	229.5
09:00-10:00 HOUR	236.5	240.0	242.6
10:00-11:00 HOUR	232.8	243.0	234.7
11:00-12:00 HOUR	241.3	237.5	243.1
12:00-13:00 HOUR	236.3	242.4	235.2
13:00-14:00 HOUR	235.9	241.5	228.9
14:00-15:00 HOUR	230.1	234.1	236.3
15:00-16:00 HOUR	235.1	245.0	230.1
16:00-17:00 HOUR	235.0	236.4	241.7
17:00-18:00 HOUR	244.2	238.1	243.5
18:00-19:00 HOUR	236.9	232.0	232.5
19:00-20:00 HOUR	238.1	242.2	241.5
20:00-21:00 HOUR	239.3	242.7	231.9
21:00-22:00 HOUR	242.3	232.6	230.9
22:00-23:00 HOUR	239.0	235.4	236.0
23:00-00:00 HOUR	238.0	218.6	237.8
00:00-01:00 HOUR	229.6	221.7	242.7
01:00-02:00 HOUR	228.2	219.1	231.8
02:00-03:00 HOUR	225.2	228.4	229.0
03:00-04:00 HOUR	224.3	224.3	231.2
04:00-05:00 HOUR	229.0	227.5	242.8
05:00-06:00 HOUR	223.8	224.1	232.5
06:00-07:00 HOUR	224.3	232.3	235.4
07:00-08:00 HOUR	223.4	232.1	238.9
UNIT	ppm		

hid 7p

(MR SULA BANJONGJAIKRIK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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UNITED ANALYST AND ENGINEERING CONSULTANT COMPANY LIMITED
CONSULTANT COMPANY LIMITED

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

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LTD.
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
MEASURING PLACE : L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : SEPTEMBER 22-25, 2022
MEASURING TIME : *
MEASURING METHOD : CO₂ ANALYZER
MEASURED BY : MR SIRAPAT JONGPHADUNGKIE

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077878
WORK NO. : 2022-006175
ANALYSIS NO. : T22AT003-0004-T22AT003-0006

TIME*	RESULT		
	CARBON DIOXIDE		
	L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)		
	SEPTEMBER 23-24, 2022	SEPTEMBER 24-25, 2022	
	T22AT003-0004	T22AT003-0005	T22AT003-0006
08:00-09:00 HOUR	247.1	247.6	244.8
09:00-10:00 HOUR	246.2	252.0	240.9
10:00-11:00 HOUR	238.5	239.4	248.7
11:00-12:00 HOUR	231.7	244.4	238.8
12:00-13:00 HOUR	237.4	248.6	251.6
13:00-14:00 HOUR	241.5	245.8	235.1
14:00-15:00 HOUR	236.2	239.6	235.6
15:00-16:00 HOUR	232.7	238.0	251.1
16:00-17:00 HOUR	232.6	234.9	242.5
17:00-18:00 HOUR	253.6	243.5	252.4
18:00-19:00 HOUR	241.8	233.6	248.2
19:00-20:00 HOUR	238.6	239.2	247.4
20:00-21:00 HOUR	238.7	245.8	237.8
21:00-22:00 HOUR	232.5	246.7	239.0
22:00-23:00 HOUR	231.3	250.3	230.5
23:00-00:00 HOUR	227.3	245.7	228.2
00:00-01:00 HOUR	229.1	238.8	226.5
01:00-02:00 HOUR	226.3	242.8	228.3
02:00-03:00 HOUR	225.0	243.7	222.4
03:00-04:00 HOUR	226.8	236.4	222.7
04:00-05:00 HOUR	216.8	234.4	229.4
05:00-06:00 HOUR	228.0	234.5	231.9
06:00-07:00 HOUR	224.6	231.4	235.2
07:00-08:00 HOUR	240.0	254.3	234.5
UNIT	ppm		

hid 7p

(MR SILA BANONGJAIKUK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LTD.
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
MEASURING PLACE : L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : SEPTEMBER 22-25, 2022
MEASURING TIME : *
MEASURING METHOD : CO₂ ANALYZER
MEASURED BY : MR SIRAPAT JONGPHADUNGKIE

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077879
WORK NO. : 2022-006175
ANALYSIS NO. : T22AT003-0007-T22AT003-0009

TIME*	RESULT		
	CARBON DIOXIDE		
	L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)		
	SEPTEMBER 23-24, 2022	SEPTEMBER 24-25, 2022	
	T22AT003-0007	T22AT003-0008	T22AT003-0009
08:00-09:00 HOUR	237.9	246.2	228.6
09:00-10:00 HOUR	239.9	244.5	242.6
10:00-11:00 HOUR	244.1	233.5	247.8
11:00-12:00 HOUR	247.4	245.7	239.5
12:00-13:00 HOUR	236.5	244.5	244.9
13:00-14:00 HOUR	243.4	232.5	240.1
14:00-15:00 HOUR	245.9	230.5	231.5
15:00-16:00 HOUR	240.4	242.4	232.3
16:00-17:00 HOUR	249.8	248.8	243.1
17:00-18:00 HOUR	244.1	240.3	249.9
18:00-19:00 HOUR	240.9	229.3	249.4
19:00-20:00 HOUR	240.3	236.1	241.3
20:00-21:00 HOUR	233.5	242.6	248.2
21:00-22:00 HOUR	227.5	236.9	228.4
22:00-23:00 HOUR	223.2	229.2	228.4
23:00-00:00 HOUR	227.8	225.0	224.9
00:00-01:00 HOUR	223.0	228.6	228.0
01:00-02:00 HOUR	217.2	224.5	224.6
02:00-03:00 HOUR	223.4	222.1	219.5
03:00-04:00 HOUR	221.6	224.5	217.8
04:00-05:00 HOUR	223.8	224.0	222.9
05:00-06:00 HOUR	226.7	229.3	226.1
06:00-07:00 HOUR	228.9	230.0	229.3
07:00-08:00 HOUR	231.2	234.5	234.5
UNIT	ppm		

hid 7p

(MR SILA BANONGJAIKUK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
MEASURING SOURCE : L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N)
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : SEPTEMBER 22-25, 2022
MEASURING TIME : * : 2022-077900
MEASURING METHOD : INTEGRATED SOUND LEVEL METER
MEASURED BY : MR SIRAPAT JONGPHADUNGKIEET

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077900
WORK NO. : 2022-006175
ANALYSIS NO. : T22AT004-0001 - T22AT004-0003

TIME*	RESULT dB(A)			
	L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N) SEPTEMBER 22-23, 2022 T22AT004-0001			
	L _{Aeq} 1 hour	L _{max} 1 hour	L _{A90} 1 hour	
07:00-08:00 HOUR	51.3	75.9	41.2	
08:00-09:00 HOUR	57.2	74.0	45.0	
09:00-10:00 HOUR	55.5	81.3	46.1	
10:00-11:00 HOUR	53.8	73.0	50.8	
11:00-12:00 HOUR	57.2	69.4	56.8	
12:00-13:00 HOUR	58.8	70.2	57.7	
13:00-14:00 HOUR	54.8	67.4	51.9	
14:00-15:00 HOUR	51.6	68.0	48.7	
15:00-16:00 HOUR	52.7	86.6	49.3	
16:00-17:00 HOUR	54.8	92.7	49.8	
17:00-18:00 HOUR	53.7	78.6	49.8	
18:00-19:00 HOUR	53.6	58.3	52.8	
19:00-20:00 HOUR	53.4	59.5	53.0	
20:00-21:00 HOUR	53.7	60.7	53.0	
21:00-22:00 HOUR	52.2	79.9	48.2	
22:00-23:00 HOUR	50.8	67.7	47.9	
23:00-00:00 HOUR	49.9	66.9	46.9	
00:00-01:00 HOUR	47.7	73.4	43.9	
01:00-02:00 HOUR	48.2	78.7	43.0	
02:00-03:00 HOUR	48.5	72.7	42.5	
03:00-04:00 HOUR	48.4	62.8	42.9	
04:00-05:00 HOUR	48.4	72.1	42.6	
05:00-06:00 HOUR	47.2	73.8	37.0	
06:00-07:00 HOUR	52.8	81.8	39.2	
L _{Aeq} 24 hours		53.5		
L _{Adn}		57.2		



RESULT dB(A)

TIME*	L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N) SEPTEMBER 23-24, 2022 T22AT004-0002			
	L _{Aeq} 1 hour	L _{max} 1 hour	L _{A90} 1 hour	
07:00-08:00 HOUR	55.5	84.3	39.8	
08:00-09:00 HOUR	54.1	84.0	44.4	
09:00-10:00 HOUR	55.0	80.8	43.8	
10:00-11:00 HOUR	52.8	81.0	43.4	
11:00-12:00 HOUR	56.0	82.1	41.8	
12:00-13:00 HOUR	56.2	85.8	40.8	
13:00-14:00 HOUR	56.6	85.1	38.4	
14:00-15:00 HOUR	52.5	79.0	38.6	
15:00-16:00 HOUR	54.2	82.2	41.2	
16:00-17:00 HOUR	57.7	83.1	38.0	
17:00-18:00 HOUR	56.5	82.4	44.6	
18:00-19:00 HOUR	53.2	60.3	50.3	
19:00-20:00 HOUR	51.5	58.1	50.8	
20:00-21:00 HOUR	51.7	60.6	50.3	
21:00-22:00 HOUR	52.8	74.2	48.2	
22:00-23:00 HOUR	46.3	65.3	40.1	
23:00-00:00 HOUR	47.3	67.2	41.1	
00:00-01:00 HOUR	46.7	72.8	44.1	
01:00-02:00 HOUR	45.5	67.2	44.1	
02:00-03:00 HOUR	45.3	60.6	43.6	
03:00-04:00 HOUR	46.0	70.8	39.2	
04:00-05:00 HOUR	45.4	59.3	43.9	
05:00-06:00 HOUR	47.1	64.6	45.8	
06:00-07:00 HOUR	51.3	81.6	45.3	
L _{Aeq} 24 hours		53.2		
L _{Adn}		55.9		

DATE	TIME*	RESULT (dB(A))			
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	ANNOUNCE NOISE LEVEL
SEPTEMBER 23, 2022 T22AT004-0001	NIGHT TIME 2/				
	23:30-23:35 HOUR	49.8 2/	46.0 ***	50.8 2/	6.1
	23:35-23:40 HOUR	50.4 2/	46.0 ***	51.4 2/	6.7
	23:40-23:45 HOUR	49.5 2/	46.0 ***	50.5 2/	5.8
	23:45-23:50 HOUR	47.6 2/	46.0 ***	46.1 2/	1.4
	23:50-23:55 HOUR	50.4 2/	46.0 ***	51.4 2/	6.7
	23:55-00:00 HOUR	49.4 2/	46.0 ***	49.4 2/	4.7
	NIGHT TIME 2/				
	00:00-00:05 HOUR	47.1 2/	46.0 ***	43.1 2/	NOT SIGNIFICANT 3/
	00:05-00:10 HOUR	49.2 2/	46.0 ***	49.2 2/	4.5
SEPTEMBER 23, 2022 T22AT004-0001	00:10-00:15 HOUR	46.9 2/	46.0 ***	42.9 2/	NOT SIGNIFICANT 3/
	00:15-00:20 HOUR	47.2 2/	46.0 ***	43.2 2/	NOT SIGNIFICANT 3/
	00:20-00:25 HOUR	49.1 2/	46.0 ***	49.1 2/	4.4
	00:25-00:30 HOUR	47.6 2/	46.0 ***	46.1 2/	1.4
	00:30-00:35 HOUR	47.9 2/	46.0 ***	46.4 2/	1.7
	00:35-00:40 HOUR	48.4 2/	46.0 ***	46.9 2/	2.2
	00:40-00:45 HOUR	47.9 2/	46.0 ***	46.4 2/	1.7
	00:45-00:50 HOUR	47.4 2/	46.0 ***	43.4 2/	NOT SIGNIFICANT 3/
	00:50-00:55 HOUR	47.1 2/	46.0 ***	43.1 2/	NOT SIGNIFICANT 3/
	00:55-01:00 HOUR	45.8 2/	46.0 ***	41.8 2/	NOT SIGNIFICANT 3/
SEPTEMBER 23, 2022 T22AT004-0001	01:00-01:05 HOUR	47.8 2/	46.0 ***	46.3 2/	1.6
	01:05-01:10 HOUR	46.5 2/	46.0 ***	42.5 2/	NOT SIGNIFICANT 3/
	01:10-01:15 HOUR	48.5 2/	46.0 ***	48.5 2/	3.8
	01:15-01:20 HOUR	48.0 2/	46.0 ***	46.5 2/	1.8
	01:20-01:25 HOUR	47.3 2/	46.0 ***	43.3 2/	NOT SIGNIFICANT 3/
	01:25-01:30 HOUR	49.6 2/	46.0 ***	50.6 2/	5.9
	01:30-01:35 HOUR	48.6 2/	46.0 ***	48.6 2/	3.9
	01:35-01:40 HOUR	46.1 2/	46.0 ***	42.1 2/	NOT SIGNIFICANT 3/
	01:40-01:45 HOUR	46.1 2/	46.0 ***	42.1 2/	NOT SIGNIFICANT 3/
	01:45-01:50 HOUR	46.6 2/	46.0 ***	42.6 2/	NOT SIGNIFICANT 3/
SEPTEMBER 23, 2022 T22AT004-0002	01:50-01:55 HOUR	50.8 2/	46.0 ***	52.3 2/	7.6
	01:55-02:00 HOUR	49.7 2/	46.0 ***	50.7 2/	6.0
	02:00-02:05 HOUR	47.9 2/	46.0 ***	46.4 2/	1.7
	02:05-02:10 HOUR	49.1 2/	46.0 ***	49.1 2/	4.4
	02:10-02:15 HOUR	50.0 2/	46.0 ***	51.0 2/	6.3
	02:15-02:20 HOUR	49.2 2/	46.0 ***	49.2 2/	4.5
	02:20-02:25 HOUR	46.8 2/	46.0 ***	42.8 2/	NOT SIGNIFICANT 3/
	02:25-02:30 HOUR	47.0 2/	46.0 ***	43.0 2/	NOT SIGNIFICANT 3/
	02:30-02:35 HOUR	47.0 2/	46.0 ***	43.0 2/	NOT SIGNIFICANT 3/
	02:35-02:40 HOUR	47.6 2/	46.0 ***	46.1 2/	1.4
SEPTEMBER 23, 2022 T22AT004-0002	02:40-02:45 HOUR	49.6 2/	46.0 ***	50.6 2/	5.9
	02:45-02:50 HOUR	48.5 2/	46.0 ***	48.5 2/	3.8
	02:50-02:55 HOUR	49.7 2/	46.0 ***	50.7 2/	6.0
	02:55-03:00 HOUR	47.7 2/	46.0 ***	46.2 2/	1.5
	03:00-03:05 HOUR	46.4 2/	46.0 ***	42.4 2/	NOT SIGNIFICANT 3/
	03:05-03:10 HOUR	47.7 2/	46.0 ***	46.2 2/	1.5
	03:10-03:15 HOUR	47.7 2/	46.0 ***	46.2 2/	1.5
	03:15-03:20 HOUR	47.7 2/	46.0 ***	46.2 2/	1.5
	03:20-03:25 HOUR	47.7 2/	46.0 ***	46.2 2/	1.5
	03:25-03:30 HOUR	47.7 2/	46.0 ***	46.2 2/	1.5

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DATE	TIME*	RESULT (dB(A))			
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	ANNOUNCE NOISE LEVEL
SEPTEMBER 23, 2022 T22AT004-0001	NIGHT TIME 2/				
	03:10-03:15 HOUR	48.5 2/	46.0 ***	48.5 2/	3.8
	03:15-03:20 HOUR	51.3 2/	46.0 ***	52.8 2/	8.1
	03:20-03:25 HOUR	49.6 2/	46.0 ***	50.6 2/	5.9
	03:25-03:30 HOUR	48.6 2/	46.0 ***	48.6 2/	3.9
	03:30-03:35 HOUR	47.7 2/	46.0 ***	46.2 2/	1.5
	03:35-03:40 HOUR	46.0 2/	46.0 ***	42.0 2/	NOT SIGNIFICANT 3/
	03:40-03:45 HOUR	48.6 2/	46.0 ***	48.6 2/	3.9
	03:45-03:50 HOUR	47.3 2/	46.0 ***	43.4 2/	NOT SIGNIFICANT 3/
	03:50-03:55 HOUR	48.9 2/	46.0 ***	48.9 2/	4.2
SEPTEMBER 23, 2022 T22AT004-0001	03:55-04:00 HOUR	47.1 2/	46.0 ***	43.1 2/	NOT SIGNIFICANT 3/
	04:00-04:05 HOUR	46.6 2/	46.0 ***	42.6 2/	NOT SIGNIFICANT 3/
	04:05-04:10 HOUR	47.2 2/	46.0 ***	43.1 2/	NOT SIGNIFICANT 3/
	04:10-04:15 HOUR	47.5 2/	46.0 ***	46.0 2/	1.3
	04:15-04:20 HOUR	48.7 2/	46.0 ***	48.7 2/	4.0
	04:20-04:25 HOUR	49.5 2/	46.0 ***	50.5 2/	5.8
	04:25-04:30 HOUR	47.5 2/	46.0 ***	46.0 2/	1.3
	04:30-04:35 HOUR	47.3 2/	46.0 ***	43.3 2/	NOT SIGNIFICANT 3/
	04:35-04:40 HOUR	49.8 2/	46.0 ***	50.8 2/	6.1
	04:40-04:45 HOUR	48.9 2/	46.0 ***	48.9 2/	4.2
SEPTEMBER 23, 2022 T22AT004-0002	04:45-04:50 HOUR	46.6 2/	46.0 ***	42.6 2/	NOT SIGNIFICANT 3/
	04:50-04:55 HOUR	49.6 2/	46.0 ***	50.6 2/	5.9
	04:55-05:00 HOUR	49.2 2/	46.0 ***	50.6 2/	5.9
	05:00-05:05 HOUR	46.7 2/	46.0 ***	42.7 2/	NOT SIGNIFICANT 3/
	05:05-05:10 HOUR	47.4 2/	46.0 ***	43.4 2/	NOT SIGNIFICANT 3/
	05:10-05:15 HOUR	47.1 2/	46.0 ***	43.1 2/	NOT SIGNIFICANT 3/
	05:15-05:20 HOUR	47.6 2/	46.0 ***	46.1 2/	1.4
	05:20-05:25 HOUR	46.4 2/	46.0 ***	42.4 2/	NOT SIGNIFICANT 3/
	05:25-05:30 HOUR	47.4 2/	46.0 ***	43.4 2/	NOT SIGNIFICANT 3/
	05:30-05:35 HOUR	47.3 2/	46.0 ***	43.3 2/	NOT SIGNIFICANT 3/
SEPTEMBER 23, 2022 T22AT004-0002	05:35-05:40 HOUR	47.1 2/	46.0 ***	43.1 2/	NOT SIGNIFICANT 3/
	05:40-05:45 HOUR	47.0 2/	46.0 ***	43.0 2/	NOT SIGNIFICANT 3/
	05:45-05:50 HOUR	48.3 2/	46.0 ***	46.8 2/	2.1
	05:50-05:55 HOUR	47.5 2/	46.0 ***	46.0 2/	1.3
	05:55-06:00 HOUR	45.4 2/	46.0 ***	41.4 2/	NOT SIGNIFICANT 3/
	DAY TIME 1/				
	06:00-07:00 HOUR	52.8 2/	51.2 **	48.3 2/	NOT SIGNIFICANT 3/
	DAY TIME 1/				
	07:00-08:00 HOUR	55.5 2/	51.3 **	53.5 2/	4.5
	08:00-09:00 HOUR	54.1 2/	51.3 **	51.1 2/	2.1
SEPTEMBER 23, 2022 T22AT004-0002	09:00-10:00 HOUR	55.0 2/	51.3 **	53.0 2/	4.0
	10:00-11:00 HOUR	52.8 2/	51.3 **	48.3 2/	NOT SIGNIFICANT 3/
	11:00-12:00 HOUR	56.0 2/	51.3 **	54.5 2/	5.5
	12:00-13:00 HOUR	56.2 2/	51.3 **	54.7 2/	5.7
	13:00-14:00 HOUR	56.6 2/	51.3 **	55.1 2/	6.1
	14:00-15:00 HOUR	52.5 2/	51.3 **	45.5 2/	NOT SIGNIFICANT 3/
	DAY TIME 1/				
	15:00-16:00 HOUR	52.8 2/	51.2 **	48.3 2/	NOT SIGNIFICANT 3/
	DAY TIME 1/				
	16:00-17:00 HOUR	55.5 2/	51.3 **	53.5 2/	4.5

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DATE	TIME*	RESULT (dB(A))				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 23, 2022 T22AT004-0002	DAY TIME 1/					
	15:00-16:00 HOUR	54.2 1/	51.3 **	51.2 1/	49.0 **	2.2
	16:00-17:00 HOUR	57.7 1/	51.3 **	56.2 1/	49.0 **	7.2
	17:00-18:00 HOUR	56.5 1/	51.3 **	55.0 1/	49.0 **	6.0
	18:00-19:00 HOUR	53.2 1/	51.3 **	48.7 1/	49.0 **	NOT SIGNIFICANT 3/
	19:00-20:00 HOUR	51.5 1/	51.3 **	44.5 1/	49.0 **	NOT SIGNIFICANT 3/
	20:00-21:00 HOUR	51.7 1/	51.3 **	44.7 1/	49.0 **	NOT SIGNIFICANT 3/
	21:00-22:00 HOUR	52.8 1/	51.3 **	48.3 1/	49.0 **	NOT SIGNIFICANT 3/
	NIGHT TIME 2/					
	22:00-22:05 HOUR	44.9 2/	44.3 ***	40.9 2/	42.8 ***	NOT SIGNIFICANT 3/
	22:05-22:10 HOUR	44.3 2/	44.3 ***	40.3 2/	42.8 ***	NOT SIGNIFICANT 3/
	22:10-22:15 HOUR	44.5 2/	44.3 ***	44.5 2/	42.8 ***	1.7
	22:15-22:20 HOUR	44.4 2/	44.3 ***	40.4 2/	42.8 ***	NOT SIGNIFICANT 3/
	22:20-22:25 HOUR	47.4 2/	44.3 ***	47.4 2/	42.8 ***	4.6
	22:25-22:30 HOUR	45.8 2/	44.3 ***	44.3 2/	42.8 ***	1.5
	22:30-22:35 HOUR	46.9 2/	44.3 ***	46.9 2/	42.8 ***	4.1
	22:35-22:40 HOUR	45.0 2/	44.3 ***	45.0 2/	42.8 ***	2.2
	22:40-22:45 HOUR	46.6 2/	44.3 ***	45.1 2/	42.8 ***	2.3
	22:45-22:50 HOUR	46.1 2/	44.3 ***	44.6 2/	42.8 ***	1.8
	22:50-22:55 HOUR	48.0 2/	44.3 ***	49.0 2/	42.8 ***	6.2
	22:55-23:00 HOUR	47.4 2/	44.3 ***	47.4 2/	42.8 ***	4.6
	23:00-23:05 HOUR	47.3 2/	44.3 ***	47.3 2/	42.8 ***	4.5
SEPTEMBER 24, 2022 T22AT004-0002	23:05-23:10 HOUR	45.3 2/	44.3 ***	41.3 2/	42.8 ***	NOT SIGNIFICANT 3/
	23:10-23:15 HOUR	45.7 2/	44.3 ***	41.7 2/	42.8 ***	NOT SIGNIFICANT 3/
	23:15-23:20 HOUR	48.0 2/	44.3 ***	49.0 2/	42.8 ***	6.2
	23:20-23:25 HOUR	48.5 2/	44.3 ***	49.5 2/	42.8 ***	6.7
	23:25-23:30 HOUR	49.0 2/	44.3 ***	50.5 2/	42.8 ***	7.7
	23:30-23:35 HOUR	49.9 2/	44.3 ***	51.4 2/	42.8 ***	8.6
	23:35-23:40 HOUR	45.3 2/	44.3 ***	41.3 2/	42.8 ***	NOT SIGNIFICANT 3/
	23:40-23:45 HOUR	45.7 2/	44.3 ***	41.7 2/	42.8 ***	NOT SIGNIFICANT 3/
	23:45-23:50 HOUR	44.7 2/	44.3 ***	40.7 2/	42.8 ***	NOT SIGNIFICANT 3/
	23:50-23:55 HOUR	48.3 2/	44.3 ***	49.3 2/	42.8 ***	6.5
	23:55-00:00 HOUR	46.3 2/	44.3 ***	44.8 2/	42.8 ***	2.0
	NIGHT TIME 2/					
	00:00-00:05 HOUR	46.8 2/	44.3 ***	46.8 2/	42.8 ***	4.0
	00:05-00:10 HOUR	46.0 2/	44.3 ***	44.5 2/	42.8 ***	1.7
	00:10-00:15 HOUR	48.0 2/	44.3 ***	49.0 2/	42.8 ***	6.2
	00:15-00:20 HOUR	49.4 2/	44.3 ***	50.9 2/	42.8 ***	8.1
	00:20-00:25 HOUR	45.6 2/	44.3 ***	41.6 2/	42.8 ***	NOT SIGNIFICANT 3/
	00:25-00:30 HOUR	45.3 2/	44.3 ***	41.3 2/	42.8 ***	NOT SIGNIFICANT 3/
	00:30-00:35 HOUR	47.5 2/	44.3 ***	47.5 2/	42.8 ***	4.7
	00:35-00:40 HOUR	46.6 2/	44.3 ***	45.1 2/	42.8 ***	2.3
	00:40-00:45 HOUR	47.5 2/	44.3 ***	47.5 2/	42.8 ***	4.7
	00:45-00:50 HOUR	44.9 2/	44.3 ***	40.9 2/	42.8 ***	NOT SIGNIFICANT 3/
	00:50-00:55 HOUR	45.1 2/	44.3 ***	41.1 2/	42.8 ***	NOT SIGNIFICANT 3/
	00:55-01:00 HOUR	45.5 2/	44.3 ***	41.5 2/	42.8 ***	NOT SIGNIFICANT 3/

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DATE	TIME*	RESULT (dB(A))				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 24, 2022 T22AT004-0002	NIGHT TIME 2/					
	01:00-01:05 HOUR	44.9 2/	44.3 ***	40.9 2/	42.8 ***	NOT SIGNIFICANT 3/
	01:05-01:10 HOUR	45.3 2/	44.3 ***	41.3 2/	42.8 ***	NOT SIGNIFICANT 3/
	01:10-01:15 HOUR	47.9 2/	44.3 ***	48.9 2/	42.8 ***	6.1
	01:15-01:20 HOUR	44.9 2/	44.3 ***	40.9 2/	42.8 ***	NOT SIGNIFICANT 3/
	01:20-01:25 HOUR	45.1 2/	44.3 ***	41.1 2/	42.8 ***	NOT SIGNIFICANT 3/
	01:25-01:30 HOUR	45.1 2/	44.3 ***	41.1 2/	42.8 ***	NOT SIGNIFICANT 3/
	01:30-01:35 HOUR	44.8 2/	44.3 ***	40.8 2/	42.8 ***	NOT SIGNIFICANT 3/
	01:35-01:40 HOUR	45.0 2/	44.3 ***	41.0 2/	42.8 ***	NOT SIGNIFICANT 3/
	01:40-01:45 HOUR	45.0 2/	44.3 ***	41.0 2/	42.8 ***	NOT SIGNIFICANT 3/
	01:45-01:50 HOUR	46.6 2/	44.3 ***	45.1 2/	42.8 ***	2.3
	01:50-01:55 HOUR	45.3 2/	44.3 ***	41.3 2/	42.8 ***	NOT SIGNIFICANT 3/
	01:55-02:00 HOUR	45.4 2/	44.3 ***	41.4 2/	42.8 ***	NOT SIGNIFICANT 3/
	02:00-02:05 HOUR	45.0 2/	44.3 ***	41.0 2/	42.8 ***	NOT SIGNIFICANT 3/
	02:05-02:10 HOUR	45.1 2/	44.3 ***	41.1 2/	42.8 ***	NOT SIGNIFICANT 3/
	02:10-02:15 HOUR	45.6 2/	44.3 ***	41.6 2/	42.8 ***	NOT SIGNIFICANT 3/
	02:15-02:20 HOUR	45.1 2/	44.3 ***	41.1 2/	42.8 ***	NOT SIGNIFICANT 3/
	02:20-02:25 HOUR	45.1 2/	44.3 ***	41.1 2/	42.8 ***	NOT SIGNIFICANT 3/
	02:25-02:30 HOUR	45.3 2/	44.3 ***	41.3 2/	42.8 ***	NOT SIGNIFICANT 3/
	02:30-02:35 HOUR	45.2 2/	44.3 ***	41.2 2/	42.8 ***	NOT SIGNIFICANT 3/
	02:35-02:40 HOUR	46.2 2/	44.3 ***	44.7 2/	42.8 ***	1.9
	02:40-02:45 HOUR	45.5 2/	44.3 ***	41.5 2/	42.8 ***	NOT SIGNIFICANT 3/
SEPTEMBER 24, 2022 T22AT004-0002	02:45-02:50 HOUR	45.7 2/	44.3 ***	41.7 2/	42.8 ***	NOT SIGNIFICANT 3/
	02:50-02:55 HOUR	45.7 2/	44.3 ***	41.7 2/	42.8 ***	NOT SIGNIFICANT 3/
	02:55-03:00 HOUR	44.7 2/	44.3 ***	40.7 2/	42.8 ***	NOT SIGNIFICANT 3/
	03:00-03:05 HOUR	44.7 2/	44.3 ***	40.7 2/	42.8 ***	NOT SIGNIFICANT 3/
	03:05-03:10 HOUR	44.9 2/	44.3 ***	40.9 2/	42.8 ***	NOT SIGNIFICANT 3/
	03:10-03:15 HOUR	45.4 2/	44.3 ***	41.4 2/	42.8 ***	NOT SIGNIFICANT 3/
	03:15-03:20 HOUR	45.4 2/	44.3 ***	41.4 2/	42.8 ***	NOT SIGNIFICANT 3/
	03:20-03:25 HOUR	45.6 2/	44.3 ***	41.6 2/	42.8 ***	NOT SIGNIFICANT 3/
	03:25-03:30 HOUR	44.5 2/	44.3 ***	40.5 2/	42.8 ***	NOT SIGNIFICANT 3/
	03:30-03:35 HOUR	47.8 2/	44.3 ***	48.8 2/	42.8 ***	6.0
	03:35-03:40 HOUR	44.9 2/	44.3 ***	40.9 2/	42.8 ***	NOT SIGNIFICANT 3/
	03:40-03:45 HOUR	46.4 2/	44.3 ***	44.9 2/	42.8 ***	2.1
	03:45-03:50 HOUR	47.3 2/	44.3 ***	47.3 2/	42.8 ***	4.5
	03:50-03:55 HOUR	46.9 2/	44.3 ***	46.9 2/	42.8 ***	4.1
	03:55-04:00 HOUR	46.5 2/	44.3 ***	45.0 2/	42.8 ***	2.2
	04:00-04:05 HOUR	44.9 2/	44.3 ***	40.9 2/	42.8 ***	NOT SIGNIFICANT 3/
	04:05-04:10 HOUR	45.3 2/	44.3 ***	41.3 2/	42.8 ***	NOT SIGNIFICANT 3/
	04:10-04:15 HOUR	44.6 2/	44.3 ***	40.6 2/	42.8 ***	NOT SIGNIFICANT 3/
	04:15-04:20 HOUR	44.3 2/	44.3 ***	40.3 2/	42.8 ***	NOT SIGNIFICANT 3/
	04:20-04:25 HOUR	44.6 2/	44.3 ***	40.6 2/	42.8 ***	NOT SIGNIFICANT 3/
	04:25-04:30 HOUR	46.4 2/	44.3 ***	44.9 2/	42.8 ***	2.1
	04:30-04:35 HOUR	45.3 2/	44.3 ***	41.3 2/	42.8 ***	NOT SIGNIFICANT 3/
	04:35-04:40 HOUR	45.7 2/	44.3 ***	41.7 2/	42.8 ***	NOT SIGNIFICANT 3/
	04:40-04:45 HOUR	45.9 2/	44.3 ***	44.4 2/	42.8 ***	1.6

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DATE	TIME*	RESULT (dB(A))				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 24, 2022 T22AT004-0003	NIGHT TIME 2/					
	04:45-04:50 HOUR	44.6 ^{2/}	44.3 ***	40.6 ^{2/}	42.8 ***	NOT SIGNIFICANT ^{3/}
	04:50-04:55 HOUR	45.8 ^{2/}	44.3 ***	44.3 ^{2/}	42.8 ***	1.5
	04:55-05:00 HOUR	46.3 ^{2/}	44.3 ***	44.8 ^{2/}	42.8 ***	2.0
	05:00-05:05 HOUR	46.4 ^{2/}	44.3 ***	44.9 ^{2/}	42.8 ***	2.1
	05:05-05:10 HOUR	46.9 ^{2/}	44.3 ***	46.9 ^{2/}	42.8 ***	4.1
	05:10-05:15 HOUR	46.6 ^{2/}	44.3 ***	45.1 ^{2/}	42.8 ***	2.3
	05:15-05:20 HOUR	47.2 ^{2/}	44.3 ***	47.2 ^{2/}	42.8 ***	4.4
	05:20-05:25 HOUR	46.7 ^{2/}	44.3 ***	45.2 ^{2/}	42.8 ***	2.4
	05:25-05:30 HOUR	47.1 ^{2/}	44.3 ***	47.1 ^{2/}	42.8 ***	4.3
	05:30-05:35 HOUR	47.0 ^{2/}	44.3 ***	47.0 ^{2/}	42.8 ***	4.2
	05:35-05:40 HOUR	48.8 ^{2/}	44.3 ***	50.3 ^{2/}	42.8 ***	7.5
	05:40-05:45 HOUR	46.9 ^{2/}	44.3 ***	46.9 ^{2/}	42.8 ***	4.1
	05:45-05:50 HOUR	46.6 ^{2/}	44.3 ***	45.1 ^{2/}	42.8 ***	2.3
	05:50-05:55 HOUR	46.7 ^{2/}	44.3 ***	45.2 ^{2/}	42.8 ***	2.4
	05:55-06:00 HOUR	47.3 ^{2/}	44.3 ***	47.3 ^{2/}	42.8 ***	4.5
SEPTEMBER 24, 2022 T22AT004-0003	DAY TIME 1/					
	06:00-07:00 HOUR	51.3 ^{1/}	51.3 **	44.3 ^{1/}	49.0 **	NOT SIGNIFICANT ^{3/}
	07:00-08:00 HOUR	47.4 ^{1/}	47.4 **	40.4 ^{1/}	45.0 **	NOT SIGNIFICANT ^{3/}
	08:00-09:00 HOUR	47.7 ^{1/}	47.4 **	40.7 ^{1/}	45.0 **	NOT SIGNIFICANT ^{3/}
	09:00-10:00 HOUR	52.9 ^{1/}	47.4 **	51.4 ^{1/}	45.0 **	6.4
	10:00-11:00 HOUR	48.1 ^{1/}	47.4 **	41.1 ^{1/}	45.0 **	NOT SIGNIFICANT ^{3/}
	11:00-12:00 HOUR	51.3 ^{1/}	47.4 **	49.3 ^{1/}	45.0 **	4.3
	12:00-13:00 HOUR	51.9 ^{1/}	47.4 **	50.4 ^{1/}	45.0 **	5.4
	13:00-14:00 HOUR	49.3 ^{1/}	47.4 **	44.8 ^{1/}	45.0 **	NOT SIGNIFICANT ^{3/}
	14:00-15:00 HOUR	48.3 ^{1/}	47.4 **	41.3 ^{1/}	45.0 **	NOT SIGNIFICANT ^{3/}
	15:00-16:00 HOUR	47.8 ^{1/}	47.4 **	40.8 ^{1/}	45.0 **	NOT SIGNIFICANT ^{3/}
	16:00-17:00 HOUR	51.6 ^{1/}	47.4 **	49.6 ^{1/}	45.0 **	4.6
	17:00-18:00 HOUR	48.9 ^{1/}	47.4 **	44.4 ^{1/}	45.0 **	NOT SIGNIFICANT ^{3/}
	18:00-19:00 HOUR	51.4 ^{1/}	47.4 **	49.4 ^{1/}	45.0 **	4.4
	19:00-20:00 HOUR	53.4 ^{1/}	47.4 **	51.9 ^{1/}	45.0 **	6.9
	20:00-21:00 HOUR	51.3 ^{1/}	47.4 **	49.3 ^{1/}	45.0 **	4.3
	21:00-22:00 HOUR	49.6 ^{1/}	47.4 **	45.1 ^{1/}	45.0 **	0.1
SEPTEMBER 24, 2022 T22AT004-0003	NIGHT TIME 2/					
	22:00-22:05 HOUR	44.5 ^{2/}	43.2 ***	40.5 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	22:05-22:10 HOUR	44.3 ^{2/}	43.2 ***	40.3 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	22:10-22:15 HOUR	47.9 ^{2/}	43.2 ***	49.4 ^{2/}	41.9 ***	7.5
	22:15-22:20 HOUR	44.3 ^{2/}	43.2 ***	40.3 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	22:20-22:25 HOUR	43.7 ^{2/}	43.2 ***	39.7 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	22:25-22:30 HOUR	45.7 ^{2/}	43.2 ***	45.7 ^{2/}	41.9 ***	3.8
	22:30-22:35 HOUR	44.5 ^{2/}	43.2 ***	40.5 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	22:35-22:40 HOUR	44.1 ^{2/}	43.2 ***	40.1 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	22:40-22:45 HOUR	45.2 ^{2/}	43.2 ***	43.7 ^{2/}	41.9 ***	1.8
	22:45-22:50 HOUR	45.4 ^{2/}	43.2 ***	43.9 ^{2/}	41.9 ***	2.0
	22:50-22:55 HOUR	46.3 ^{2/}	43.2 ***	46.3 ^{2/}	41.9 ***	4.4

DATE	TIME*	RESULT (dB(A))				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 24, 2022 T22AT004-0003	NIGHT TIME 2/					
	22:55-23:00 HOUR	43.2 ^{2/}	43.2 ***	39.2 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	23:00-23:05 HOUR	45.6 ^{2/}	43.2 ***	44.1 ^{2/}	41.9 ***	2.2
	23:05-23:10 HOUR	45.9 ^{2/}	43.2 ***	45.9 ^{2/}	41.9 ***	4.0
	23:10-23:15 HOUR	43.2 ^{2/}	43.2 ***	39.2 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	23:15-23:20 HOUR	43.4 ^{2/}	43.2 ***	39.4 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	23:20-23:25 HOUR	43.6 ^{2/}	43.2 ***	39.6 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	23:25-23:30 HOUR	44.1 ^{2/}	43.2 ***	40.1 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	23:30-23:35 HOUR	43.9 ^{2/}	43.2 ***	39.9 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	23:35-23:40 HOUR	43.7 ^{2/}	43.2 ***	39.7 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	23:40-23:45 HOUR	43.7 ^{2/}	43.2 ***	39.7 ^{2/}	41.9 ***	4.1
	23:45-23:50 HOUR	46.0 ^{2/}	43.2 ***	46.0 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	23:50-23:55 HOUR	43.9 ^{2/}	43.2 ***	39.9 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	23:55-00:00 HOUR	44.2 ^{2/}	43.2 ***	40.2 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
SEPTEMBER 25, 2022 T22AT004-0003	NIGHT TIME 2/					
	00:00-00:05 HOUR	44.4 ^{2/}	43.2 ***	40.4 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	00:05-00:10 HOUR	44.4 ^{2/}	43.2 ***	40.4 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	00:10-00:15 HOUR	44.4 ^{2/}	43.2 ***	40.4 ^{2/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	00:15-00:20 HOUR	44.7 ^{2/}	43.2 ***	43.2 ^{2/}	41.9 ***	1.3
	00:20-00:25 HOUR	44.7 ^{2/}	43.2 ***	43.2 ^{2/}	41.9 ***	1.3
	00:25-00:30 HOUR	44.7 ^{2/}	43.2 ***	43.2 ^{2/}	41.9 ***	1.3
	00:30-00:35 HOUR	44.8 ^{2/}	43.2 ***	43.3 ^{2/}	41.9 ***	1.4
	00:35-00:40 HOUR	45.6 ^{2/}	43.2 ***	44.1 ^{2/}	41.9 ***	2.2
	00:40-00:45 HOUR	46.9 ^{2/}	43.2 ***	47.9 ^{2/}	41.9 ***	6.0
	00:45-00:50 HOUR	47.1 ^{2/}	43.2 ***	48.1 ^{2/}	41.9 ***	6.2
	00:50-00:55 HOUR	47.9 ^{2/}	43.2 ***	49.4 ^{2/}	41.9 ***	7.5
	00:55-01:00 HOUR	48.2 ^{2/}	43.2 ***	49.7 ^{2/}	41.9 ***	7.8
	01:00-01:05 HOUR	48.9 ^{2/}	43.2 ***	50.4 ^{2/}	41.9 ***	8.5
	01:05-01:10 HOUR	49.1 ^{2/}	43.2 ***	50.6 ^{2/}	41.9 ***	8.7
	01:10-01:15 HOUR	46.2 ^{2/}	43.2 ***	46.2 ^{2/}	41.9 ***	4.3
SEPTEMBER 25, 2022 T22AT004-0003	DAY TIME 1/					
	01:15-01:20 HOUR	43.2 ^{1/}	43.2 ***	39.7 ^{1/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	01:20-01:25 HOUR	43.2 ^{1/}	43.2 ***	39.2 ^{1/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	45.2 ^{1/}	43.2 ***	43.7 ^{1/}	41.9 ***	1.8
	01:30-01:35 HOUR	44.2 ^{1/}	43.2 ***	40.2 ^{1/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	45.2 ^{1/}	43.2 ***	43.7 ^{1/}	41.9 ***	1.8
	01:40-01:45 HOUR	48.9 ^{1/}	43.2 ***	50.4 ^{1/}	41.9 ***	8.5
	01:45-01:50 HOUR	48.1 ^{1/}	43.2 ***	49.6 ^{1/}	41.9 ***	7.7
	01:50-01:55 HOUR	45.9 ^{1/}	43.2 ***	45.9 ^{1/}	41.9 ***	4.0
	01:55-02:00 HOUR	46.6 ^{1/}	43.2 ***	46.6 ^{1/}	41.9 ***	4.7
	02:00-02:05 HOUR	44.3 ^{1/}	43.2 ***	40.3 ^{1/}	41.9 ***	NOT SIGNIFICANT ^{3/}
	02:05-02:10 HOUR	45.4 ^{1/}	43.2 ***	43.9 ^{1/}	41.9 ***	2.0
	02:10-02:15 HOUR	46.2 ^{1/}	43.2 ***	46.2 ^{1/}	41.9 ***	4.3
	02:15-02:20 HOUR	46.5 ^{1/}	43.2 ***	46.5 ^{1/}	41.9 ***	4.6
	02:20-02:25 HOUR	46.4 ^{1/}	43.2 ***	46.4 ^{1/}	41.9 ***	4.5
	02:25-02:30 HOUR	46.7 ^{1/}	43.2 ***	47.7 ^{1/}	41.9 ***	5.8
	02:30-02:35 HOUR	46.9 ^{1/}	43.2 ***	47.9 ^{1/}	41.9 ***	6.0

DATE	TIME*	RESULT (dB(A))			
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL
SEPTEMBER 25, 2022 T22AT004-0003	NIGHT TIME 2/				
	02:35-02:40 HOUR	46.8 2/	43.2 ***	47.8 2/	41.9 ***
	02:40-02:45 HOUR	47.2 2/	43.2 ***	48.2 2/	41.9 ***
	02:45-02:50 HOUR	47.4 2/	43.2 ***	48.4 2/	41.9 ***
	02:50-02:55 HOUR	47.5 2/	43.2 ***	48.5 2/	41.9 ***
	02:55-03:00 HOUR	47.7 2/	43.2 ***	49.2 2/	41.9 ***
	03:00-03:05 HOUR	47.7 2/	43.2 ***	49.2 2/	41.9 ***
	03:05-03:10 HOUR	47.3 2/	43.2 ***	48.3 2/	41.9 ***
	03:10-03:15 HOUR	47.9 2/	43.2 ***	49.4 2/	41.9 ***
	03:15-03:20 HOUR	48.7 2/	43.2 ***	50.2 2/	41.9 ***
	03:20-03:25 HOUR	48.5 2/	43.2 ***	50.0 2/	41.9 ***
	03:25-03:30 HOUR	46.4 2/	43.2 ***	46.4 2/	41.9 ***
	03:30-03:35 HOUR	45.5 2/	43.2 ***	44.0 2/	41.9 ***
	03:35-03:40 HOUR	46.4 2/	43.2 ***	46.4 2/	41.9 ***
	03:40-03:45 HOUR	43.0 2/	43.2 ***	39.0 2/	41.9 ***
	03:45-03:50 HOUR	43.6 2/	43.2 ***	39.6 2/	41.9 ***
	03:50-03:55 HOUR	43.1 2/	43.2 ***	39.1 2/	41.9 ***
	03:55-04:00 HOUR	44.0 2/	43.2 ***	40.0 2/	41.9 ***
	04:00-04:05 HOUR	43.6 2/	43.2 ***	39.6 2/	41.9 ***
	04:05-04:10 HOUR	43.7 2/	43.2 ***	39.7 2/	41.9 ***
	04:10-04:15 HOUR	44.0 2/	43.2 ***	40.0 2/	41.9 ***
	04:15-04:20 HOUR	44.4 2/	43.2 ***	40.4 2/	41.9 ***
	04:20-04:25 HOUR	44.2 2/	43.2 ***	40.2 2/	41.9 ***
	04:25-04:30 HOUR	44.5 2/	43.2 ***	40.5 2/	41.9 ***
	04:30-04:35 HOUR	45.0 2/	43.2 ***	43.5 2/	41.9 ***
	04:35-04:40 HOUR	44.9 2/	43.2 ***	43.4 2/	41.9 ***
	04:40-04:45 HOUR	46.3 2/	43.2 ***	46.3 2/	41.9 ***
	04:45-04:50 HOUR	44.3 2/	43.2 ***	40.3 2/	41.9 ***
	04:50-04:55 HOUR	45.9 2/	43.2 ***	45.9 2/	41.9 ***
	04:55-05:00 HOUR	45.5 2/	43.2 ***	44.0 2/	41.9 ***
	05:00-05:05 HOUR	48.1 2/	43.2 ***	49.6 2/	41.9 ***
	05:05-05:10 HOUR	43.4 2/	43.2 ***	39.4 2/	41.9 ***
	05:10-05:15 HOUR	45.3 2/	43.2 ***	43.8 2/	41.9 ***
	05:15-05:20 HOUR	43.9 2/	43.2 ***	39.9 2/	41.9 ***
	05:20-05:25 HOUR	43.4 2/	43.2 ***	39.4 2/	41.9 ***
	05:25-05:30 HOUR	45.0 2/	43.2 ***	43.5 2/	41.9 ***
	05:30-05:35 HOUR	46.3 2/	43.2 ***	46.3 2/	41.9 ***
	05:35-05:40 HOUR	45.2 2/	43.2 ***	43.7 2/	41.9 ***
	05:40-05:45 HOUR	46.4 2/	43.2 ***	46.4 2/	41.9 ***
	05:45-05:50 HOUR	45.3 2/	43.2 ***	43.8 2/	41.9 ***
	05:50-05:55 HOUR	45.1 2/	43.2 ***	43.6 2/	41.9 ***
	05:55-06:00 HOUR	46.7 2/	43.2 ***	47.7 2/	41.9 ***
	DAY TIME 1/				
	06:00-07:00 HOUR	47.5 2/	47.4 **	40.5 2/	45.0 **

REMARK :

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

hid 7p
(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
MEASURING SOURCE : L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : SEPTEMBER 22-25, 2022
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER
MEASURED BY : MR. SIRAPAT JONGPHADUNGKIE

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077901
WORK NO. : 2022-006175
ANALYSIS NO. : T22AT004-0004 - T22AT004-0006

TIME*	RESULT dB(A)		
	L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N) SEPTEMBER 22-23, 2022 T22AT004-0004		
	L _{Aeq} 1 hour	L _{max} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	52.6	70.9	49.2
08:00-09:00 HOUR	51.1	66.6	47.1
09:00-10:00 HOUR	51.2	69.4	47.2
10:00-11:00 HOUR	52.1	74.9	44.8
11:00-12:00 HOUR	52.3	76.1	46.6
12:00-13:00 HOUR	56.2	83.7	45.6
13:00-14:00 HOUR	54.3	87.7	45.1
14:00-15:00 HOUR	52.0	75.2	44.8
15:00-16:00 HOUR	56.0	74.3	45.2
16:00-17:00 HOUR	53.2	81.1	45.1
17:00-18:00 HOUR	54.3	78.1	46.1
18:00-19:00 HOUR	53.6	75.9	47.4
19:00-20:00 HOUR	54.1	83.3	47.4
20:00-21:00 HOUR	53.3	76.8	50.4
21:00-22:00 HOUR	50.4	73.4	47.9
22:00-23:00 HOUR	49.1	73.6	48.0
23:00-00:00 HOUR	49.6	78.4	47.9
00:00-01:00 HOUR	49.4	69.9	47.8
01:00-02:00 HOUR	48.9	73.7	46.5
02:00-03:00 HOUR	48.9	64.4	47.8
03:00-04:00 HOUR	49.5	75.4	47.9
04:00-05:00 HOUR	49.5	67.9	47.2
05:00-06:00 HOUR	50.0	70.5	47.8
06:00-07:00 HOUR	54.0	77.1	47.1
L _{Aeq} 24 hours		52.5	
L _{Adn}		57.3	



RESULT dB(A)

TIME*	L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N) SEPTEMBER 23-24, 2022 T22AT004-0005		
	L _{Aeq} 1 hour	L _{max} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	56.6	82.0	47.1
08:00-09:00 HOUR	59.6	90.0	47.0
09:00-10:00 HOUR	53.2	78.6	46.2
10:00-11:00 HOUR	53.9	79.1	40.4
11:00-12:00 HOUR	54.9	83.6	46.0
12:00-13:00 HOUR	53.7	79.6	45.8
13:00-14:00 HOUR	54.5	83.3	45.8
14:00-15:00 HOUR	54.8	83.6	45.6
15:00-16:00 HOUR	59.6	70.9	56.2
16:00-17:00 HOUR	55.4	80.1	46.2
17:00-18:00 HOUR	54.7	76.3	48.3
18:00-19:00 HOUR	54.6	76.4	48.2
19:00-20:00 HOUR	54.1	80.6	49.5
20:00-21:00 HOUR	53.3	79.7	49.4
21:00-22:00 HOUR	52.1	70.7	49.4
22:00-23:00 HOUR	48.9	66.9	48.3
23:00-00:00 HOUR	49.1	72.2	47.9
00:00-01:00 HOUR	48.9	69.5	47.7
01:00-02:00 HOUR	48.3	65.8	47.2
02:00-03:00 HOUR	49.1	74.0	47.2
03:00-04:00 HOUR	48.2	63.1	47.5
04:00-05:00 HOUR	47.4	58.8	45.5
05:00-06:00 HOUR	47.7	58.8	45.9
06:00-07:00 HOUR	54.6	76.1	49.0
L _{Aeq} 24 hours		54.2	
L _{Adn}		57.6	



NSC-TISI-TIS 17025
TESTING 0207

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RESULT dB(A)			
L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)			
SEPTEMBER 24-25, 2022			
T22AT004-0006			
TIME*	L _{Aeq} 1 hour	L _{max} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	47.5	65.1	41.6
08:00-09:00 HOUR	47.0	67.2	40.7
09:00-10:00 HOUR	48.2	71.5	41.4
10:00-11:00 HOUR	47.3	69.7	42.0
11:00-12:00 HOUR	46.1	68.6	40.5
12:00-13:00 HOUR	47.5	70.5	45.0
13:00-14:00 HOUR	46.9	67.8	40.6
14:00-15:00 HOUR	47.8	66.8	41.7
15:00-16:00 HOUR	48.7	74.5	42.1
16:00-17:00 HOUR	48.7	72.8	42.8
17:00-18:00 HOUR	47.7	70.9	43.2
18:00-19:00 HOUR	48.3	63.1	45.8
19:00-20:00 HOUR	47.2	63.2	45.8
20:00-21:00 HOUR	47.6	73.6	44.0
21:00-22:00 HOUR	45.1	63.6	43.8
22:00-23:00 HOUR	44.7	62.4	43.2
23:00-00:00 HOUR	45.2	59.7	43.7
00:00-01:00 HOUR	45.1	67.9	43.5
01:00-02:00 HOUR	44.9	66.5	43.6
02:00-03:00 HOUR	44.9	51.6	43.8
03:00-04:00 HOUR	44.6	61.7	43.5
04:00-05:00 HOUR	45.8	67.6	43.5
05:00-06:00 HOUR	47.9	80.4	45.2
06:00-07:00 HOUR	48.2	72.1	43.7
L _{Aeq} 24 hours	47.1		
L _{Adn}	52.6		

ANALYSIS REPORT			
CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED			
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900			
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : praklaipruek@pesiam.com			
MEASURING PLACE : L53-GN2 (UTM WGS 84 ZONE 47P 601332E 1551056N)			
MEASURING TYPE : AMBIENT (ANNOYANCE NOISE)			
MEASURING DATE : SEPTEMBER 22-25, 2022			
MEASURING TIME : *			
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION WORK NO.			
MEASURED BY : MR SIRAPAT JONGPHADUNGKIE			
RECEIVED DATE : SEPTEMBER 22-25, 2022			
ANALYTICAL DATE : SEPTEMBER 22-25, 2022			
REPORT NO. : 2022-U077898			
ANALYSIS NO. : 2022-006175			
T22AT004-0004 - T22AT004-0006			

RESULT (dB(A))					
DATE	TIME*	L53-GN2 (UTM WGS 84 ZONE 47P 601332E 1551056N)			
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	ANNOYANCE NOISE LEVEL
SEPTEMBER 22, 2022 T22AT004-0004	DAY TIME ^{1/}				
	07:00-08:00 HOUR	52.6 ^{1/}	50.4 ^{**}	48.1 ^{1/}	48.7 ^{**}
	08:00-09:00 HOUR	51.1 ^{1/}	50.4 ^{**}	44.1 ^{1/}	48.7 ^{**}
	09:00-10:00 HOUR	51.2 ^{1/}	50.4 ^{**}	44.2 ^{1/}	48.7 ^{**}
	10:00-11:00 HOUR	52.1 ^{1/}	50.4 ^{**}	47.6 ^{1/}	48.7 ^{**}
	11:00-12:00 HOUR	52.3 ^{1/}	50.4 ^{**}	47.8 ^{1/}	48.7 ^{**}
	12:00-13:00 HOUR	56.2 ^{1/}	50.4 ^{**}	54.7 ^{1/}	48.7 ^{**}
	13:00-14:00 HOUR	54.3 ^{1/}	50.4 ^{**}	52.3 ^{1/}	48.7 ^{**}
	14:00-15:00 HOUR	52.0 ^{1/}	50.4 ^{**}	47.5 ^{1/}	48.7 ^{**}
	15:00-16:00 HOUR	56.0 ^{1/}	50.4 ^{**}	54.5 ^{1/}	48.7 ^{**}
	16:00-17:00 HOUR	53.2 ^{1/}	50.4 ^{**}	50.2 ^{1/}	48.7 ^{**}
	17:00-18:00 HOUR	54.3 ^{1/}	50.4 ^{**}	52.3 ^{1/}	48.7 ^{**}
	18:00-19:00 HOUR	53.6 ^{1/}	50.4 ^{**}	50.6 ^{1/}	48.7 ^{**}
	19:00-20:00 HOUR	54.1 ^{1/}	50.4 ^{**}	52.1 ^{1/}	48.7 ^{**}
	20:00-21:00 HOUR	53.3 ^{1/}	50.4 ^{**}	50.3 ^{1/}	48.7 ^{**}
	21:00-22:00 HOUR	50.4 ^{1/}	50.4 ^{**}	43.4 ^{1/}	48.7 ^{**}
	NIGHT TIME ^{2/}				
	22:00-22:05 HOUR	49.4 ^{2/}	46.1 ^{***}	49.4 ^{2/}	45.0 ^{***}
	22:05-22:10 HOUR	47.7 ^{2/}	46.1 ^{***}	46.2 ^{2/}	45.0 ^{***}
	22:10-22:15 HOUR	46.7 ^{2/}	46.1 ^{***}	42.7 ^{2/}	45.0 ^{***}
	22:15-22:20 HOUR	46.1 ^{2/}	46.1 ^{***}	42.1 ^{2/}	45.0 ^{***}
	22:20-22:25 HOUR	49.7 ^{2/}	46.1 ^{***}	50.7 ^{2/}	45.0 ^{***}
	22:25-22:30 HOUR	50.6 ^{2/}	46.1 ^{***}	52.1 ^{2/}	45.0 ^{***}
	22:30-22:35 HOUR	48.6 ^{2/}	46.1 ^{***}	48.6 ^{2/}	45.0 ^{***}
	22:35-22:40 HOUR	49.9 ^{2/}	46.1 ^{***}	50.9 ^{2/}	45.0 ^{***}
	22:40-22:45 HOUR	49.6 ^{2/}	46.1 ^{***}	50.6 ^{2/}	45.0 ^{***}
	22:45-22:50 HOUR	48.6 ^{2/}	46.1 ^{***}	48.6 ^{2/}	45.0 ^{***}
	22:50-22:55 HOUR	49.3 ^{2/}	46.1 ^{***}	49.3 ^{2/}	45.0 ^{***}
	22:55-23:00 HOUR	50.7 ^{2/}	46.1 ^{***}	52.2 ^{2/}	45.0 ^{***}
	23:00-23:05 HOUR	50.0 ^{2/}	46.1 ^{***}	51.0 ^{2/}	45.0 ^{***}
	23:05-23:10 HOUR	48.9 ^{2/}	46.1 ^{***}	48.9 ^{2/}	45.0 ^{***}
	23:10-23:15 HOUR	50.3 ^{2/}	46.1 ^{***}	51.3 ^{2/}	45.0 ^{***}
	23:15-23:20 HOUR	51.0 ^{2/}	46.1 ^{***}	52.5 ^{2/}	45.0 ^{***}
	23:20-23:25 HOUR	48.9 ^{2/}	46.1 ^{***}	48.9 ^{2/}	45.0 ^{***}
	23:25-23:30 HOUR	48.8 ^{2/}	46.1 ^{***}	48.8 ^{2/}	45.0 ^{***}

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RESULT dB(A)			
L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)			
SEPTEMBER 24-25, 2022			
T22AT004-0006			
TIME*	L _{Aeq} 1 hour	L _{max} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	47.5	65.1	41.6
08:00-09:00 HOUR	47.0	67.2	40.7
09:00-10:00 HOUR	48.2	71.5	41.4
10:00-11:00 HOUR	47.3	69.7	42.0
11:00-12:00 HOUR	46.1	68.6	40.5
12:00-13:00 HOUR	47.5	70.5	45.0
13:00-14:00 HOUR	46.9	67.8	40.6
14:00-15:00 HOUR	47.8	66.8	41.7
15:00-16:00 HOUR	48.7	74.5	42.1
16:00-17:00 HOUR	48.7	72.8	42.8
17:00-18:00 HOUR	47.7	70.9	43.2
18:00-19:00 HOUR	48.3	63.1	45.8
19:00-20:00 HOUR	47.2	63.2	45.8
20:00-21:00 HOUR	47.6	73.6	44.0
21:00-22:00 HOUR	45.1	63.6	43.8
22:00-23:00 HOUR	44.7	62.4	43.2
23:00-00:00 HOUR	45.2	59.7	43.7
00:00-01:00 HOUR	45.1	67.9	43.5
01:00-02:00 HOUR	44.9	66.5	43.6
02:00-03:00 HOUR	44.9	51.6	43.8
03:00-04:00 HOUR	44.6	61.7	43.5
04:00-05:00 HOUR	45.8	67.6	43.5
05:00-06:00 HOUR	47.9	80.4	45.2
06:00-07:00 HOUR	48.2	72.1	43.7
L _{Aeq} 24 hours	47.1		
L _{Adn}	52.6		

hid 7p
(MR SILA BANONGTAIRUK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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DATE	TIME*	RESULT (dB(A))				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 22, 2022 T22AT004-0004	NIGHT TIME 2/					
	23:30-23:35 HOUR	51.6 2/	46.1 ***	53.1 2/	45.0 ***	8.1
	23:35-23:40 HOUR	49.6 2/	46.1 ***	50.6 2/	45.0 ***	5.6
	23:40-23:45 HOUR	48.7 2/	46.1 ***	48.7 2/	45.0 ***	3.7
	23:45-23:50 HOUR	49.2 2/	46.1 ***	49.2 2/	45.0 ***	4.2
	23:50-23:55 HOUR	48.5 2/	46.1 ***	47.0 2/	45.0 ***	2.0
	23:55-00:00 HOUR	48.5 2/	46.1 ***	47.0 2/	45.0 ***	2.0
	NIGHT TIME 2/					
	00:00-00:05 HOUR	50.2 2/	46.1 ***	51.2 2/	45.0 ***	6.2
	00:05-00:10 HOUR	50.4 2/	46.1 ***	51.4 2/	45.0 ***	6.4
SEPTEMBER 23, 2022 T22AT004-0004	00:10-00:15 HOUR	50.2 2/	46.1 ***	51.2 2/	45.0 ***	6.2
	00:15-00:20 HOUR	49.5 2/	46.1 ***	49.5 2/	45.0 ***	4.5
	00:20-00:25 HOUR	49.2 2/	46.1 ***	49.2 2/	45.0 ***	4.2
	00:25-00:30 HOUR	48.7 2/	46.1 ***	48.7 2/	45.0 ***	3.7
	00:30-00:35 HOUR	48.7 2/	46.1 ***	48.7 2/	45.0 ***	3.7
	00:35-00:40 HOUR	48.4 2/	46.1 ***	46.9 2/	45.0 ***	1.9
	00:40-00:45 HOUR	48.4 2/	46.1 ***	46.5 2/	45.0 ***	1.5
	00:45-00:50 HOUR	48.9 2/	46.1 ***	48.9 2/	45.0 ***	3.9
	00:50-00:55 HOUR	48.4 2/	46.1 ***	46.9 2/	45.0 ***	1.9
	00:55-01:00 HOUR	51.4 2/	46.1 ***	52.9 2/	45.0 ***	7.9
SEPTEMBER 23, 2022 T22AT004-0005	01:00-01:05 HOUR	47.6 2/	46.1 ***	46.1 2/	45.0 ***	1.1
	01:05-01:10 HOUR	47.9 2/	46.1 ***	46.4 2/	45.0 ***	1.4
	01:10-01:15 HOUR	47.0 2/	46.1 ***	43.0 2/	45.0 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	50.3 2/	46.1 ***	51.3 2/	45.0 ***	6.3
	01:20-01:25 HOUR	47.0 2/	46.1 ***	43.0 2/	45.0 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	48.1 2/	46.1 ***	46.6 2/	45.0 ***	1.6
	01:30-01:35 HOUR	50.9 2/	46.1 ***	52.4 2/	45.0 ***	7.4
	01:35-01:40 HOUR	47.1 2/	46.1 ***	43.1 2/	45.0 ***	NOT SIGNIFICANT ^{3/}
	01:40-01:45 HOUR	49.2 2/	46.1 ***	49.2 2/	45.0 ***	4.2
	01:45-01:50 HOUR	49.0 2/	46.1 ***	49.0 2/	45.0 ***	4.0
SEPTEMBER 23, 2022 T22AT004-0005	01:50-01:55 HOUR	50.3 2/	46.1 ***	51.3 2/	45.0 ***	6.3
	01:55-02:00 HOUR	50.0 2/	46.1 ***	51.0 2/	45.0 ***	6.0
	02:00-02:05 HOUR	49.7 2/	46.1 ***	50.7 2/	45.0 ***	5.7
	02:05-02:10 HOUR	49.4 2/	46.1 ***	49.4 2/	45.0 ***	4.4
	02:10-02:15 HOUR	47.9 2/	46.1 ***	46.4 2/	45.0 ***	1.4
	02:15-02:20 HOUR	48.1 2/	46.1 ***	46.6 2/	45.0 ***	1.6
	02:20-02:25 HOUR	48.5 2/	46.1 ***	47.0 2/	45.0 ***	2.0
	02:25-02:30 HOUR	49.8 2/	46.1 ***	50.8 2/	45.0 ***	5.8
	02:30-02:35 HOUR	48.5 2/	46.1 ***	47.0 2/	45.0 ***	2.0
	02:35-02:40 HOUR	48.5 2/	46.1 ***	47.0 2/	45.0 ***	2.0
SEPTEMBER 23, 2022 T22AT004-0005	02:40-02:45 HOUR	48.6 2/	46.1 ***	48.6 2/	45.0 ***	3.6
	02:45-02:50 HOUR	48.3 2/	46.1 ***	46.8 2/	45.0 ***	1.8
	02:50-02:55 HOUR	48.5 2/	46.1 ***	47.0 2/	45.0 ***	2.0
	02:55-03:00 HOUR	50.0 2/	46.1 ***	51.0 2/	45.0 ***	6.0
	03:00-03:05 HOUR	49.9 2/	46.1 ***	50.9 2/	45.0 ***	5.9
	03:05-03:10 HOUR	51.0 2/	46.1 ***	52.5 2/	45.0 ***	7.5
	NIGHT TIME 2/					
	03:10-03:15 HOUR	50.4 2/	46.1 ***	51.4 2/	45.0 ***	6.4
	03:15-03:20 HOUR	49.3 2/	46.1 ***	49.3 2/	45.0 ***	4.3
	03:20-03:25 HOUR	48.4 2/	46.1 ***	48.4 2/	45.0 ***	3.7

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DATE	TIME*	RESULT (dB(A))				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 23, 2022 T22AT004-0004	NIGHT TIME 2/					
	03:10-03:15 HOUR	48.8 2/	46.1 ***	48.8 2/	45.0 ***	3.8
	03:15-03:20 HOUR	49.3 2/	46.1 ***	49.3 2/	45.0 ***	4.3
	03:20-03:25 HOUR	48.4 2/	46.1 ***	46.9 2/	45.0 ***	1.9
	03:25-03:30 HOUR	49.1 2/	46.1 ***	49.1 2/	45.0 ***	4.1
	03:30-03:35 HOUR	48.7 2/	46.1 ***	48.7 2/	45.0 ***	3.7
	03:35-03:40 HOUR	49.4 2/	46.1 ***	49.4 2/	45.0 ***	4.4
	03:40-03:45 HOUR	50.5 2/	46.1 ***	51.5 2/	45.0 ***	6.5
	03:45-03:50 HOUR	50.0 2/	46.1 ***	51.0 2/	45.0 ***	6.0
	03:50-03:55 HOUR	49.0 2/	46.1 ***	49.0 2/	45.0 ***	4.0
SEPTEMBER 23, 2022 T22AT004-0005	03:55-04:00 HOUR	48.7 2/	46.1 ***	48.7 2/	45.0 ***	3.7
	04:00-04:05 HOUR	50.7 2/	46.1 ***	52.2 2/	45.0 ***	7.2
	04:05-04:10 HOUR	48.0 2/	46.1 ***	46.5 2/	45.0 ***	1.5
	04:10-04:15 HOUR	48.0 2/	46.1 ***	46.5 2/	45.0 ***	1.5
	04:15-04:20 HOUR	48.8 2/	46.1 ***	48.8 2/	45.0 ***	3.8
	04:20-04:25 HOUR	48.1 2/	46.1 ***	46.6 2/	45.0 ***	1.6
	04:25-04:30 HOUR	48.2 2/	46.1 ***	46.7 2/	45.0 ***	1.7
	04:30-04:35 HOUR	49.2 2/	46.1 ***	49.2 2/	45.0 ***	4.2
	04:35-04:40 HOUR	50.1 2/	46.1 ***	51.1 2/	45.0 ***	6.1
	04:40-04:45 HOUR	48.7 2/	46.1 ***	48.7 2/	45.0 ***	3.7
SEPTEMBER 23, 2022 T22AT004-0005	04:45-04:50 HOUR	49.8 2/	46.1 ***	50.8 2/	45.0 ***	5.8
	04:50-04:55 HOUR	51.4 2/	46.1 ***	52.9 2/	45.0 ***	7.9
	04:55-05:00 HOUR	50.8 2/	46.1 ***	52.3 2/	45.0 ***	7.3
	05:00-05:05 HOUR	50.3 2/	46.1 ***	51.3 2/	45.0 ***	6.3
	05:05-05:10 HOUR	52.0 2/	46.1 ***	53.5 2/	45.0 ***	8.5
	05:10-05:15 HOUR	50.4 2/	46.1 ***	51.4 2/	45.0 ***	6.4
	05:15-05:20 HOUR	49.9 2/	46.1 ***	50.9 2/	45.0 ***	5.9
	05:20-05:25 HOUR	49.0 2/	46.1 ***	49.0 2/	45.0 ***	4.0
	05:25-05:30 HOUR	50.6 2/	46.1 ***	52.1 2/	45.0 ***	7.1
	05:30-05:35 HOUR	48.7 2/	46.1 ***	48.7 2/	45.0 ***	3.7
SEPTEMBER 23, 2022 T22AT004-0005	05:35-05:40 HOUR	49.5 2/	46.1 ***	49.5 2/	45.0 ***	4.5
	05:40-05:45 HOUR	48.6 2/	46.1 ***	48.6 2/	45.0 ***	3.6
	05:45-05:50 HOUR	48.4 2/	46.1 ***	46.9 2/	45.0 ***	1.9
	05:50-05:55 HOUR	49.3 2/	46.1 ***	49.3 2/	45.0 ***	4.3
	05:55-06:00 HOUR	51.8 2/	46.1 ***	53.3 2/	45.0 ***	8.3
	DAY TIME 2/					
	06:00-07:00 HOUR	54.0 2/	50.4 **	52.0 2/	48.7 **	3.3
	DAY TIME 2/					
	07:00-08:00 HOUR	56.6 2/	52.0 **	55.1 2/	50.4 **	4.7
	08:00-09:00 HOUR	59.6 2/	52.0 **	59.1 2/	50.4 **	8.7
	09:00-10:00 HOUR	53.2 2/	52.0 **	46.2 2/	50.4 **	NOT SIGNIFICANT ^{3/}
SEPTEMBER 23, 2022 T22AT004-0005	10:00-11:00 HOUR	53.9 2/	52.0 **	49.4 2/	50.4 **	NOT SIGNIFICANT ^{3/}
	11:00-12:00 HOUR	54.9 2/	52.0 **	51.9 2/	50.4 **	1.5
	12:00-13:00 HOUR	53.7 2/	52.0 **	49.2 2/	50.4 **	NOT SIGNIFICANT ^{3/}
	13:00-14:00 HOUR	54.5 2/	52.0 **	51.5 2/	50.4 **	1.1
	14:00-15:00 HOUR	54.8 2/	52.0 **	51.8 2/	50.4 **	1.4
	DAY TIME 2/					
	06:00-07:00 HOUR	54.0 2/	50.4 **	52.0 2/	48.7 **	3.3
	DAY TIME 2/					
	07:00-08:00 HOUR	56.6 2/	52.0 **	55.1 2/	50.4 **	4.7
	08:00-09:00 HOUR	59.6 2/	52.0 **	59.1 2/	50.4 **	8.7
	09:00-10:00 HOUR	53.2 2/	52.0 **	46.2 2/	50.4 **	NOT SIGNIFICANT ^{3/}

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• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

DATE	TIME*	RESULT (dB(A))				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 23, 2022 T22AT004-0005	DAY TIME ^{1/}					
	15:00-16:00 HOUR	59.6 ^{1/}	52.0 ^{**}	59.1 ^{1/}	50.4 ^{**}	8.7
	16:00-17:00 HOUR	55.4 ^{1/}	52.0 ^{**}	52.4 ^{1/}	50.4 ^{**}	2.0
	17:00-18:00 HOUR	54.7 ^{1/}	52.0 ^{**}	51.7 ^{1/}	50.4 ^{**}	1.3
	18:00-19:00 HOUR	54.6 ^{1/}	52.0 ^{**}	51.6 ^{1/}	50.4 ^{**}	1.2
	19:00-20:00 HOUR	54.1 ^{1/}	52.0 ^{**}	49.6 ^{1/}	50.4 ^{**}	NOT SIGNIFICANT ^{3/}
	20:00-21:00 HOUR	53.3 ^{1/}	52.0 ^{**}	46.3 ^{1/}	50.4 ^{**}	NOT SIGNIFICANT ^{3/}
	21:00-22:00 HOUR	52.1 ^{1/}	52.0 ^{**}	45.1 ^{1/}	50.4 ^{**}	NOT SIGNIFICANT ^{3/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	48.0 ^{2/}	46.0 ^{***}	46.5 ^{2/}	44.8 ^{***}	1.7
	22:05-22:10 HOUR	48.3 ^{2/}	46.0 ^{***}	46.8 ^{2/}	44.8 ^{***}	2.0
	22:10-22:15 HOUR	49.1 ^{2/}	46.0 ^{***}	49.1 ^{2/}	44.8 ^{***}	4.3
	22:15-22:20 HOUR	48.9 ^{2/}	46.0 ^{***}	48.9 ^{2/}	44.8 ^{***}	4.1
	22:20-22:25 HOUR	49.3 ^{2/}	46.0 ^{***}	49.3 ^{2/}	44.8 ^{***}	4.5
	22:25-22:30 HOUR	49.2 ^{2/}	46.0 ^{***}	49.2 ^{2/}	44.8 ^{***}	4.4
	22:30-22:35 HOUR	49.3 ^{2/}	46.0 ^{***}	49.3 ^{2/}	44.8 ^{***}	4.5
	22:35-22:40 HOUR	49.8 ^{2/}	46.0 ^{***}	50.8 ^{2/}	44.8 ^{***}	6.0
	22:40-22:45 HOUR	48.4 ^{2/}	46.0 ^{***}	46.9 ^{2/}	44.8 ^{***}	2.1
	22:45-22:50 HOUR	48.5 ^{2/}	46.0 ^{***}	48.5 ^{2/}	44.8 ^{***}	3.7
	22:50-22:55 HOUR	48.8 ^{2/}	46.0 ^{***}	48.8 ^{2/}	44.8 ^{***}	4.0
	22:55-23:00 HOUR	49.2 ^{2/}	46.0 ^{***}	49.2 ^{2/}	44.8 ^{***}	4.4
SEPTEMBER 24, 2022 T22AT004-0005	23:00-23:05 HOUR	48.8 ^{2/}	46.0 ^{***}	48.8 ^{2/}	44.8 ^{***}	4.0
	23:05-23:10 HOUR	48.9 ^{2/}	46.0 ^{***}	48.9 ^{2/}	44.8 ^{***}	4.1
	23:10-23:15 HOUR	49.4 ^{2/}	46.0 ^{***}	49.4 ^{2/}	44.8 ^{***}	4.6
	23:15-23:20 HOUR	49.1 ^{2/}	46.0 ^{***}	49.1 ^{2/}	44.8 ^{***}	4.3
	23:20-23:25 HOUR	48.7 ^{2/}	46.0 ^{***}	48.7 ^{2/}	44.8 ^{***}	3.9
	23:25-23:30 HOUR	48.7 ^{2/}	46.0 ^{***}	48.7 ^{2/}	44.8 ^{***}	3.9
	23:30-23:35 HOUR	48.3 ^{2/}	46.0 ^{***}	46.8 ^{2/}	44.8 ^{***}	2.0
	23:35-23:40 HOUR	50.6 ^{2/}	46.0 ^{***}	52.1 ^{2/}	44.8 ^{***}	7.3
	23:40-23:45 HOUR	48.2 ^{2/}	46.0 ^{***}	46.7 ^{2/}	44.8 ^{***}	1.9
	23:45-23:50 HOUR	48.8 ^{2/}	46.0 ^{***}	48.8 ^{2/}	44.8 ^{***}	4.0
	23:50-23:55 HOUR	48.9 ^{2/}	46.0 ^{***}	48.9 ^{2/}	44.8 ^{***}	4.1
	23:55-00:00 HOUR	49.8 ^{2/}	46.0 ^{***}	50.8 ^{2/}	44.8 ^{***}	6.0
	NIGHT TIME ^{2/}					
	00:00-00:05 HOUR	48.6 ^{2/}	46.0 ^{***}	48.6 ^{2/}	44.8 ^{***}	3.8
	00:05-00:10 HOUR	48.8 ^{2/}	46.0 ^{***}	48.8 ^{2/}	44.8 ^{***}	4.0
	00:10-00:15 HOUR	48.3 ^{2/}	46.0 ^{***}	46.8 ^{2/}	44.8 ^{***}	2.0
	00:15-00:20 HOUR	49.9 ^{2/}	46.0 ^{***}	50.9 ^{2/}	44.8 ^{***}	6.1
	00:20-00:25 HOUR	48.5 ^{2/}	46.0 ^{***}	48.5 ^{2/}	44.8 ^{***}	3.7
	00:25-00:30 HOUR	48.0 ^{2/}	46.0 ^{***}	46.5 ^{2/}	44.8 ^{***}	1.7
	00:30-00:35 HOUR	48.6 ^{2/}	46.0 ^{***}	48.6 ^{2/}	44.8 ^{***}	3.8
	00:35-00:40 HOUR	48.3 ^{2/}	46.0 ^{***}	46.8 ^{2/}	44.8 ^{***}	2.0
	00:40-00:45 HOUR	48.3 ^{2/}	46.0 ^{***}	46.8 ^{2/}	44.8 ^{***}	2.0
	00:45-00:50 HOUR	51.3 ^{2/}	46.0 ^{***}	52.8 ^{2/}	44.8 ^{***}	8.0
	00:50-00:55 HOUR	48.3 ^{2/}	46.0 ^{***}	46.8 ^{2/}	44.8 ^{***}	2.0
	00:55-01:00 HOUR	48.2 ^{2/}	46.0 ^{***}	46.7 ^{2/}	44.8 ^{***}	1.9

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DATE	TIME*	RESULT (dB(A))				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 24, 2022 T22AT004-0005	NIGHT TIME ^{2/}					
	01:00-01:05 HOUR	47.5 ^{2/}	46.0 ^{***}	46.0 ^{2/}	44.8 ^{***}	1.2
	01:05-01:10 HOUR	47.5 ^{2/}	46.0 ^{***}	46.0 ^{2/}	44.8 ^{***}	1.2
	01:10-01:15 HOUR	47.6 ^{2/}	46.0 ^{***}	46.1 ^{2/}	44.8 ^{***}	1.3
	01:15-01:20 HOUR	48.5 ^{2/}	46.0 ^{***}	48.5 ^{2/}	44.8 ^{***}	3.7
	01:20-01:25 HOUR	47.7 ^{2/}	46.0 ^{***}	46.2 ^{2/}	44.8 ^{***}	1.4
	01:25-01:30 HOUR	48.3 ^{2/}	46.0 ^{***}	46.8 ^{2/}	44.8 ^{***}	2.0
	01:30-01:35 HOUR	49.2 ^{2/}	46.0 ^{***}	49.2 ^{2/}	44.8 ^{***}	4.4
	01:35-01:40 HOUR	48.2 ^{2/}	46.0 ^{***}	46.7 ^{2/}	44.8 ^{***}	1.9
	01:40-01:45 HOUR	48.0 ^{2/}	46.0 ^{***}	46.5 ^{2/}	44.8 ^{***}	1.7
	01:45-01:50 HOUR	49.2 ^{2/}	46.0 ^{***}	49.2 ^{2/}	44.8 ^{***}	4.4
	01:50-01:55 HOUR	48.5 ^{2/}	46.0 ^{***}	48.5 ^{2/}	44.8 ^{***}	3.7
	01:55-02:00 HOUR	49.2 ^{2/}	46.0 ^{***}	49.2 ^{2/}	44.8 ^{***}	4.4
	02:00-02:05 HOUR	48.7 ^{2/}	46.0 ^{***}	48.7 ^{2/}	44.8 ^{***}	3.9
	02:05-02:10 HOUR	47.7 ^{2/}	46.0 ^{***}	46.2 ^{2/}	44.8 ^{***}	1.4
	02:10-02:15 HOUR	51.3 ^{2/}	46.0 ^{***}	52.8 ^{2/}	44.8 ^{***}	8.0
	02:15-02:20 HOUR	49.2 ^{2/}	46.0 ^{***}	49.2 ^{2/}	44.8 ^{***}	4.4
	02:20-02:25 HOUR	47.7 ^{2/}	46.0 ^{***}	46.2 ^{2/}	44.8 ^{***}	1.4
	02:25-02:30 HOUR	47.9 ^{2/}	46.0 ^{***}	46.4 ^{2/}	44.8 ^{***}	1.6
	02:30-02:35 HOUR	47.9 ^{2/}	46.0 ^{***}	46.4 ^{2/}	44.8 ^{***}	1.6
	02:35-02:40 HOUR	48.0 ^{2/}	46.0 ^{***}	46.5 ^{2/}	44.8 ^{***}	1.7
	02:40-02:45 HOUR	49.9 ^{2/}	46.0 ^{***}	50.9 ^{2/}	44.8 ^{***}	6.1
SEPTEMBER 24, 2022 T22AT004-0005	02:45-02:50 HOUR	49.8 ^{2/}	46.0 ^{***}	50.8 ^{2/}	44.8 ^{***}	6.0
	02:50-02:55 HOUR	49.3 ^{2/}	46.0 ^{***}	49.3 ^{2/}	44.8 ^{***}	4.5
	02:55-03:00 HOUR	49.6 ^{2/}	46.0 ^{***}	50.6 ^{2/}	44.8 ^{***}	5.8
	03:00-03:05 HOUR	48.7 ^{2/}	46.0 ^{***}	48.7 ^{2/}	44.8 ^{***}	3.9
	03:05-03:10 HOUR	48.3 ^{2/}	46.0 ^{***}	46.8 ^{2/}	44.8 ^{***}	2.0
	03:10-03:15 HOUR	49.1 ^{2/}	46.0 ^{***}	49.1 ^{2/}	44.8 ^{***}	4.3
	03:15-03:20 HOUR	49.4 ^{2/}	46.0 ^{***}	49.4 ^{2/}	44.8 ^{***}	4.6
	03:20-03:25 HOUR	48.2 ^{2/}	46.0 ^{***}	46.7 ^{2/}	44.8 ^{***}	1.9
	03:25-03:30 HOUR	48.4 ^{2/}	46.0 ^{***}	46.9 ^{2/}	44.8 ^{***}	2.1
	03:30-03:35 HOUR	50.9 ^{2/}	46.0 ^{***}	52.4 ^{2/}	44.8 ^{***}	7.6
	03:35-03:40 HOUR	47.3 ^{2/}	46.0 ^{***}	43.3 ^{2/}	44.8 ^{***}	NOT SIGNIFICANT ^{3/}
	03:40-03:45 HOUR	46.1 ^{2/}	46.0 ^{***}	42.1 ^{2/}	44.8 ^{***}	NOT SIGNIFICANT ^{3/}
	03:45-03:50 HOUR	46.4 ^{2/}	46.0 ^{***}	42.4 ^{2/}	44.8 ^{***}	NOT SIGNIFICANT ^{3/}
	03:50-03:55 HOUR	46.3 ^{2/}	46.0 ^{***}	42.3 ^{2/}	44.8 ^{***}	NOT SIGNIFICANT ^{3/}
	03:55-04:00 HOUR	46.2 ^{2/}	46.0 ^{***}	42.2 ^{2/}	44.8 ^{***}	NOT SIGNIFICANT ^{3/}
	04:00-04:05 HOUR	46.2 ^{2/}	46.0 ^{***}	42.2 ^{2/}	44.8 ^{***}	NOT SIGNIFICANT ^{3/}
	04:05-04:10 HOUR	46.4 ^{2/}	46.0 ^{***}	42.4 ^{2/}	44.8 ^{***}	NOT SIGNIFICANT ^{3/}
	04:10-04:15 HOUR	46.7 ^{2/}	46.0 ^{***}	42.7 ^{2/}	44.8 ^{***}	NOT SIGNIFICANT ^{3/}
	04:15-04:20 HOUR	46.2 ^{2/}	46.0 ^{***}	42.2 ^{2/}	44.8 ^{***}	NOT SIGNIFICANT ^{3/}
	04:20-04:25 HOUR	46.1 ^{2/}	46.0 ^{***}	42.1 ^{2/}	44.8 ^{***}	NOT SIGNIFICANT ^{3/}
	04:25-04:30 HOUR	47.4 ^{2/}	46.0 ^{***}	43.4 ^{2/}	44.8 ^{***}	NOT SIGNIFICANT ^{3/}
	04:30-04:35 HOUR	46.8 ^{2/}	46.0 ^{***}	42.8 ^{2/}	44.8 ^{***}	NOT SIGNIFICANT ^{3/}
	04:35-04:40 HOUR	48.4 ^{2/}	46.0 ^{***}	46.9 ^{2/}	44.8 ^{***}	2.1
	04:40-04:45 HOUR	49.2 ^{2/}	46.0 ^{***}	49.2 ^{2/}	44.8 ^{***}	4.4

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DATE	TIME*	RESULT (dB(A))				
		L53-GN2 (UTM WGS 84 ZONE 47P 601332E 1551056N)			ANNOUNCE	
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	NOISE LEVEL
SEPTEMBER 24, 2022 T22AT004-0005	NIGHT TIME 2/	48.9 2/	46.0 ***	48.9 2/	44.8 ***	4.1
	04:45-04:50 HOUR	47.7 2/	46.0 ***	46.2 2/	44.8 ***	1.4
	04:50-04:55 HOUR	47.5 2/	46.0 ***	46.0 2/	44.8 ***	1.2
	04:55-05:00 HOUR	46.4 2/	46.0 ***	42.4 2/	44.8 ***	NOT SIGNIFICANT 2/
	05:00-05:05 HOUR	47.6 2/	46.0 ***	46.1 2/	44.8 ***	1.3
	05:05-05:10 HOUR	47.6 2/	46.0 ***	46.1 2/	44.8 ***	1.3
	05:10-05:15 HOUR	47.6 2/	46.0 ***	43.0 2/	44.8 ***	NOT SIGNIFICANT 2/
	05:15-05:20 HOUR	47.0 2/	46.0 ***	43.1 2/	44.8 ***	NOT SIGNIFICANT 2/
	05:20-05:25 HOUR	48.0 2/	46.0 ***	46.5 2/	44.8 ***	1.7
	05:25-05:30 HOUR	47.8 2/	46.0 ***	46.3 2/	44.8 ***	1.5
	05:30-05:35 HOUR	48.0 2/	46.0 ***	46.5 2/	44.8 ***	1.7
	05:35-05:40 HOUR	47.7 2/	46.0 ***	46.2 2/	44.8 ***	1.4
	05:40-05:45 HOUR	47.8 2/	46.0 ***	46.3 2/	44.8 ***	1.5
	05:45-05:50 HOUR	48.6 2/	46.0 ***	48.6 2/	44.8 ***	3.8
	05:50-05:55 HOUR	48.1 2/	46.0 ***	46.6 2/	44.8 ***	1.8
	05:55-06:00 HOUR	54.6 2/	52.0 **	51.6 2/	50.4 **	1.2
	DAY TIME 2/	47.5 2/	45.1 **	43.0 2/	43.8 **	NOT SIGNIFICANT 2/
SEPTEMBER 24, 2022 T22AT004-0006	DAY TIME 2/	47.0 2/	45.1 **	42.5 2/	43.8 **	NOT SIGNIFICANT 2/
	06:00-07:00 HOUR	48.2 2/	45.1 **	45.2 2/	43.8 **	1.4
	07:00-08:00 HOUR	47.3 2/	45.1 **	42.8 2/	43.8 **	NOT SIGNIFICANT 2/
	08:00-09:00 HOUR	46.1 2/	45.1 **	39.1 2/	43.0 2/	NOT SIGNIFICANT 2/
	09:00-10:00 HOUR	46.9 2/	45.1 **	42.4 2/	43.8 **	NOT SIGNIFICANT 2/
	10:00-11:00 HOUR	47.8 2/	45.1 **	44.8 2/	43.8 **	1.0
	11:00-12:00 HOUR	48.7 2/	45.1 **	46.7 2/	43.8 **	2.9
	12:00-13:00 HOUR	47.7 2/	45.1 **	48.2 2/	43.8 **	4.4
	13:00-14:00 HOUR	47.7 2/	45.1 **	44.7 2/	43.8 **	0.9
	14:00-15:00 HOUR	48.3 2/	45.1 **	45.3 2/	43.8 **	1.5
	15:00-16:00 HOUR	49.7 2/	45.1 **	46.7 2/	43.8 **	0.8
	16:00-17:00 HOUR	47.7 2/	45.1 **	44.7 2/	43.8 **	0.9
	17:00-18:00 HOUR	48.3 2/	45.1 **	45.3 2/	43.8 **	1.5
	18:00-19:00 HOUR	47.2 2/	45.1 **	42.7 2/	43.8 **	0.8
	19:00-20:00 HOUR	47.6 2/	45.1 **	44.6 2/	43.8 **	0.8
	20:00-21:00 HOUR	45.1 2/	45.1 **	38.1 2/	43.8 **	NOT SIGNIFICANT 2/
	21:00-22:00 HOUR	47.4 2/	43.5 ***	48.4 2/	41.7 ***	6.7
SEPTEMBER 24, 2022 T22AT004-0007	NIGHT TIME 2/	44.8 2/	43.5 ***	40.8 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:00-22:05 HOUR	44.5 2/	43.5 ***	40.5 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:05-22:10 HOUR	44.0 2/	43.5 ***	40.0 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:10-22:15 HOUR	43.9 2/	43.5 ***	39.9 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:15-22:20 HOUR	44.4 2/	43.5 ***	40.4 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:20-22:25 HOUR	44.6 2/	43.5 ***	40.6 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:25-22:30 HOUR	44.2 2/	43.5 ***	40.2 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:30-22:35 HOUR	44.2 2/	43.5 ***	40.2 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:35-22:40 HOUR	44.2 2/	43.5 ***	40.2 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:40-22:45 HOUR	44.2 2/	43.5 ***	40.2 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:45-22:50 HOUR	43.4 2/	43.5 ***	39.4 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:50-22:55 HOUR	44.7 2/	43.5 ***	40.7 2/	41.7 ***	NOT SIGNIFICANT 2/
	DAY TIME 2/	47.5 2/	45.1 **	43.0 2/	43.8 **	NOT SIGNIFICANT 2/
	06:00-07:00 HOUR	47.0 2/	45.1 **	42.5 2/	43.8 **	NOT SIGNIFICANT 2/
	07:00-08:00 HOUR	48.2 2/	45.1 **	45.2 2/	43.8 **	1.4
	08:00-09:00 HOUR	47.3 2/	45.1 **	42.8 2/	43.8 **	NOT SIGNIFICANT 2/
	09:00-10:00 HOUR	46.1 2/	45.1 **	39.1 2/	43.0 2/	NOT SIGNIFICANT 2/
	10:00-11:00 HOUR	46.9 2/	45.1 **	42.4 2/	43.8 **	NOT SIGNIFICANT 2/
	11:00-12:00 HOUR	47.8 2/	45.1 **	44.8 2/	43.8 **	1.0
	12:00-13:00 HOUR	48.7 2/	45.1 **	46.7 2/	43.8 **	2.9
	13:00-14:00 HOUR	47.7 2/	45.1 **	44.7 2/	43.8 **	0.9
	14:00-15:00 HOUR	48.3 2/	45.1 **	45.3 2/	43.8 **	1.5
	15:00-16:00 HOUR	49.7 2/	45.1 **	46.7 2/	43.8 **	0.8
	16:00-17:00 HOUR	47.7 2/	45.1 **	44.7 2/	43.8 **	0.9
	17:00-18:00 HOUR	48.3 2/	45.1 **	45.3 2/	43.8 **	1.5
	18:00-19:00 HOUR	47.2 2/	45.1 **	42.7 2/	43.8 **	0.8
	19:00-20:00 HOUR	47.6 2/	45.1 **	44.6 2/	43.8 **	0.8
	20:00-21:00 HOUR	45.1 2/	45.1 **	38.1 2/	43.8 **	NOT SIGNIFICANT 2/
	21:00-22:00 HOUR	47.4 2/	43.5 ***	48.4 2/	41.7 ***	6.7
	22:00-22:05 HOUR	44.8 2/	43.5 ***	40.8 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:05-22:10 HOUR	44.5 2/	43.5 ***	40.5 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:10-22:15 HOUR	44.0 2/	43.5 ***	40.0 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:15-22:20 HOUR	43.9 2/	43.5 ***	39.9 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:20-22:25 HOUR	44.4 2/	43.5 ***	40.4 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:25-22:30 HOUR	44.6 2/	43.5 ***	40.6 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:30-22:35 HOUR	44.2 2/	43.5 ***	40.2 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:35-22:40 HOUR	44.2 2/	43.5 ***	40.2 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:40-22:45 HOUR	44.2 2/	43.5 ***	40.2 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:45-22:50 HOUR	43.4 2/	43.5 ***	39.4 2/	41.7 ***	NOT SIGNIFICANT 2/
	22:50-22:55 HOUR	44.7 2/	43.5 ***	40.7 2/	41.7 ***	NOT SIGNIFICANT 2/

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6/9

2022-U077898

DATE	TIME*	RESULT (dB(A))				
		L53-GN2 (UTM WGS 84 ZONE 47P 601332E 1551056N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 24, 2022 T22AT004-0006	NIGHT TIME 2/					
	22:55-23:00 HOUR	44.3 2/	43.5 ***	40.3 2/	41.7 ***	NOT SIGNIFICANT 2/
	23:00-23:05 HOUR	45.2 2/	43.5 ***	43.7 2/	41.7 ***	2.0
	23:05-23:10 HOUR	44.5 2/	43.5 ***	40.5 2/	41.7 ***	NOT SIGNIFICANT 2/
	23:10-23:15 HOUR	44.9 2/	43.5 ***	40.9 2/	41.7 ***	NOT SIGNIFICANT 2/
	23:15-23:20 HOUR	44.4 2/	43.5 ***	40.4 2/	41.7 ***	NOT SIGNIFICANT 2/
	23:20-23:25 HOUR	44.5 2/	43.5 ***	40.5 2/	41.7 ***	NOT SIGNIFICANT 2/
	23:25-23:30 HOUR	45.1 2/	43.5 ***	43.6 2/	41.7 ***	1.9
	23:30-23:35 HOUR	45.1 2/	43.5 ***	43.6 2/	41.7 ***	1.9
	23:35-23:40 HOUR	45.0 2/	43.5 ***	43.5 2/	41.7 ***	1.8
	23:40-23:45 HOUR	45.4 2/	43.5 ***	43.9 2/	41.7 ***	2.2
	23:45-23:50 HOUR	45.3 2/	43.5 ***	43.8 2/	41.7 ***	2.1
	23:50-23:55 HOUR	45.2 2/	43.5 ***	43.7 2/	41.7 ***	2.0
	23:55-00:00 HOUR	47.2 2/	43.5 ***	48.2 2/	41.7 ***	6.5
SEPTEMBER 25, 2022 T22AT004-0006	NIGHT TIME 2/					
	00:00-00:05 HOUR	45.3 2/	43.5 ***	43.8 2/	41.7 ***	2.1
	00:05-00:10 HOUR	45.4 2/	43.5 ***	43.9 2/	41.7 ***	2.2
	00:10-00:15 HOUR	44.7 2/	43.5 ***	40.7 2/	41.7 ***	NOT SIGNIFICANT 2/
	00:15-00:20 HOUR	44.5 2/	43.5 ***	40.5 2/	41.7 ***	NOT SIGNIFICANT 2/
	00:20-00:25 HOUR	44.6 2/	43.5 ***	40.6 2/	41.7 ***	NOT SIGNIFICANT 2/
	00:25-00:30 HOUR	44.4 2/	43.5 ***	40.4 2/	41.7 ***	NOT SIGNIFICANT 2/
	00:30-00:35 HOUR	44.3 2/	43.5 ***	40.3 2/	41.7 ***	NOT SIGNIFICANT 2/
	00:35-00:40 HOUR	44.4 2/	43.5 ***	40.4 2/	41.7 ***	NOT SIGNIFICANT 2/
	00:40-00:45 HOUR	44.3 2/	43.5 ***	40.3 2/	41.7 ***	NOT SIGNIFICANT 2/
	00:45-00:50 HOUR	45.4 2/	43.5 ***	43.9 2/	41.7 ***	2.2
	00:50-00:55 HOUR	44.6 2/	43.5 ***	40.6 2/	41.7 ***	NOT SIGNIFICANT 2/
	00:55-01:00 HOUR	47.9 2/	43.5 ***	48.9 2/	41.7 ***	7.2
	01:00-01:05 HOUR	44.5 2/	43.5 ***	40.5 2/	41.7 ***	NOT SIGNIFICANT 2/
	01:05-01:10 HOUR	44.8 2/	43.5 ***	40.8 2/	41.7 ***	NOT SIGNIFICANT 2/
	01:10-01:15 HOUR	44.8 2/	43.5 ***	40.8 2/	41.7 ***	NOT SIGNIFICANT 2/
	01:15-01:20 HOUR	45.2 2/	43.5 ***	43.7 2/	41.7 ***	2.0
	01:20-01:25 HOUR	44.6 2/	43.5 ***	40.6 2/	41.7 ***	NOT SIGNIFICANT 2/
	01:25-01:30 HOUR	44.7 2/	43.5 ***	40.7 2/	41.7 ***	NOT SIGNIFICANT 2/
	01:30-01:35 HOUR	44.7 2/	43.5 ***	40.7 2/	41.7 ***	NOT SIGNIFICANT 2/
	01:35-01:40 HOUR	44.5 2/	43.5 ***	40.5 2/	41.7 ***	NOT SIGNIFICANT 2/
	01:40-01:45 HOUR	44.4 2/	43.5 ***	40.4 2/	41.7 ***	NOT SIGNIFICANT 2/
	01:45-01:50 HOUR	47.6 2/	43.5 ***	48.6 2/	41.7 ***	6.9
	01:50-01:55 HOUR	43.7 2/	43.5 ***	39.7 2/	41.7 ***	NOT SIGNIFICANT 2/
	01:55-02:00 HOUR	44.2 2/	43.5 ***	40.2 2/	41.7 ***	NOT SIGNIFICANT 2/
	02:00-02:05 HOUR	44.8 2/	43.5 ***	40.8 2/	41.7 ***	NOT SIGNIFICANT 2/
	02:05-02:10 HOUR	44.6 2/	43.5 ***	40.6 2/	41.7 ***	NOT SIGNIFICANT 2/
	02:10-02:15 HOUR	44.8 2/	43.5 ***	40.8 2/	41.7 ***	NOT SIGNIFICANT 2/
	02:15-02:20 HOUR	44.8 2/	43.5 ***	40.8 2/	41.7 ***	NOT SIGNIFICANT 2/
	02:20-02:25 HOUR	45.4 2/	43.5 ***	43.9 2/	41.7 ***	2.2
	02:25-02:30 HOUR	45.2 2/	43.5 ***	43.7 2/	41.7 ***	2.0
	02:30-02:35 HOUR	44.8 2/	43.5 ***	40.8 2/	41.7 ***	NOT SIGNIFICANT 2/

DATE	TIME*	RESULT (dB(A))				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 25, 2022 T22AT004-0006	02:35-02:40 HOUR	45.4 ^{2/}	43.5 ***	43.9 ^{2/}	41.7 ***	2.2
	02:40-02:45 HOUR	45.1 ^{2/}	43.5 ***	43.6 ^{2/}	41.7 ***	1.9
	02:45-02:50 HOUR	44.8 ^{2/}	43.5 ***	40.8 ^{2/}	41.7 ***	NOT SIGNIFICANT ^{3/}
	02:50-02:55 HOUR	44.6 ^{2/}	43.5 ***	40.6 ^{2/}	41.7 ***	NOT SIGNIFICANT ^{3/}
	02:55-03:00 HOUR	44.8 ^{2/}	43.5 ***	40.8 ^{2/}	41.7 ***	NOT SIGNIFICANT ^{3/}
	03:00-03:05 HOUR	44.7 ^{2/}	43.5 ***	40.7 ^{2/}	41.7 ***	NOT SIGNIFICANT ^{3/}
	03:05-03:10 HOUR	44.7 ^{2/}	43.5 ***	40.7 ^{2/}	41.7 ***	NOT SIGNIFICANT ^{3/}
	03:10-03:15 HOUR	44.7 ^{2/}	43.5 ***	40.7 ^{2/}	41.7 ***	NOT SIGNIFICANT ^{3/}
	03:15-03:20 HOUR	45.0 ^{2/}	43.5 ***	43.5 ^{2/}	41.7 ***	1.8
	03:20-03:25 HOUR	45.1 ^{2/}	43.5 ***	43.6 ^{2/}	41.7 ***	1.9
	03:25-03:30 HOUR	44.3 ^{2/}	43.5 ***	40.3 ^{2/}	41.7 ***	NOT SIGNIFICANT ^{3/}
	03:30-03:35 HOUR	44.0 ^{2/}	43.5 ***	40.0 ^{2/}	41.7 ***	NOT SIGNIFICANT ^{3/}
	03:35-03:40 HOUR	43.8 ^{2/}	43.5 ***	39.8 ^{2/}	41.7 ***	NOT SIGNIFICANT ^{3/}
	03:40-03:45 HOUR	43.6 ^{2/}	43.5 ***	39.6 ^{2/}	41.7 ***	NOT SIGNIFICANT ^{3/}
	03:45-03:50 HOUR	44.1 ^{2/}	43.5 ***	40.1 ^{2/}	41.7 ***	NOT SIGNIFICANT ^{3/}
	03:50-03:55 HOUR	44.6 ^{2/}	43.5 ***	40.6 ^{2/}	41.7 ***	NOT SIGNIFICANT ^{3/}
	03:55-04:00 HOUR	46.2 ^{2/}	43.5 ***	46.2 ^{2/}	41.7 ***	4.5
	04:00-04:05 HOUR	45.4 ^{2/}	43.5 ***	43.9 ^{2/}	41.7 ***	2.2
	04:05-04:10 HOUR	45.5 ^{2/}	43.5 ***	44.0 ^{2/}	41.7 ***	2.3
	04:10-04:15 HOUR	45.0 ^{2/}	43.5 ***	43.5 ^{2/}	41.7 ***	1.8
	04:15-04:20 HOUR	44.9 ^{2/}	43.5 ***	40.9 ^{2/}	41.7 ***	NOT SIGNIFICANT ^{3/}
	04:20-04:25 HOUR	45.8 ^{2/}	43.5 ***	44.3 ^{2/}	41.7 ***	2.6
	04:25-04:30 HOUR	45.4 ^{2/}	43.5 ***	43.9 ^{2/}	41.7 ***	2.2
	04:30-04:35 HOUR	45.6 ^{2/}	43.5 ***	44.1 ^{2/}	41.7 ***	2.4
	04:35-04:40 HOUR	45.3 ^{2/}	43.5 ***	43.8 ^{2/}	41.7 ***	2.1
	04:40-04:45 HOUR	45.6 ^{2/}	43.5 ***	44.1 ^{2/}	41.7 ***	2.4
	04:45-04:50 HOUR	45.0 ^{2/}	43.5 ***	43.5 ^{2/}	41.7 ***	1.8
	04:50-04:55 HOUR	46.2 ^{2/}	43.5 ***	46.2 ^{2/}	41.7 ***	4.5
	04:55-05:00 HOUR	48.2 ^{2/}	43.5 ***	49.7 ^{2/}	41.7 ***	8.0
	05:00-05:05 HOUR	48.9 ^{2/}	43.5 ***	50.4 ^{2/}	41.7 ***	8.7
	05:05-05:10 HOUR	46.8 ^{2/}	43.5 ***	46.8 ^{2/}	41.7 ***	5.1
	05:10-05:15 HOUR	48.9 ^{2/}	43.5 ***	50.4 ^{2/}	41.7 ***	8.7
	05:15-05:20 HOUR	48.5 ^{2/}	43.5 ***	50.0 ^{2/}	41.7 ***	8.3
	05:20-05:25 HOUR	47.8 ^{2/}	43.5 ***	48.8 ^{2/}	41.7 ***	7.1
	05:25-05:30 HOUR	48.4 ^{2/}	43.5 ***	49.9 ^{2/}	41.7 ***	8.2
	05:30-05:35 HOUR	47.5 ^{2/}	43.5 ***	48.5 ^{2/}	41.7 ***	6.8
	05:35-05:40 HOUR	48.4 ^{2/}	43.5 ***	49.9 ^{2/}	41.7 ***	8.2
	05:40-05:45 HOUR	47.1 ^{2/}	43.5 ***	48.1 ^{2/}	41.7 ***	6.4
	05:45-05:50 HOUR	46.6 ^{2/}	43.5 ***	46.6 ^{2/}	41.7 ***	4.9
	05:50-05:55 HOUR	47.9 ^{2/}	43.5 ***	48.9 ^{2/}	41.7 ***	7.2
	05:55-06:00 HOUR	47.7 ^{2/}	43.5 ***	48.7 ^{2/}	41.7 ***	7.0
	DAY TIME ^{1/}	48.2 ^{1/}	45.1 **	45.2 ^{1/}	43.8 **	1.4

REMARK :

- 1/ CASE 1 CALCULATION (DURING 06:00 TO 22:00 HOUR) : SPECIFIC NOISE LEVEL CONTINUOUSLY OCCUR AT LEAST 1 HOUR, MEASURING AS L_{Aeq} 1 hour.
 - 2/ CASE 4 CALCULATION (DURING 22:00 TO 06:00 HOUR) : SPECIFIC NOISE LEVEL OCCUR IN RESTFUL AREA OR NIGHT TIME, MEASURING AS L_{Aeq} 5 minutes.
 - 3/ NOT SIGNIFICANT MEANS ANNOYING NOISE LEVEL IS LOWER THAN 0.
- ** PERCENTILE LEVEL 90 (L₉₀) 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 (L₉₀) 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.

hid m
(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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NSC-TISI-TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
MEASURING SOURCE : L53-GN3 (UTM WGS 84 ZONE 47P 600870E 1550592N)
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : SEPTEMBER 22-25, 2022
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER
MEASURED BY : MR SIRAPAT JONGPHADUNGKIE

RECEIVED DATE : SEPTEMBER 22-25, 2022
ANALYTICAL DATE : SEPTEMBER 22-25, 2022
REPORT NO. : 2022-U077902
WORK NO. : 2022-006175
ANALYSIS NO. : T22AT004-0007 - T22AT004-0009

TIME*	RESULT dB(A)		
	L53-GN3 (UTM WGS 84 ZONE 47P 600870E 1550592N) SEPTEMBER 22-23, 2022 T22AT004-0007		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	53.7	78.2	44.1
08:00-09:00 HOUR	51.1	70.1	43.1
09:00-10:00 HOUR	54.3	79.2	42.6
10:00-11:00 HOUR	52.6	79.1	37.8
11:00-12:00 HOUR	51.5	77.3	42.6
12:00-13:00 HOUR	52.4	75.8	34.5
13:00-14:00 HOUR	55.0	80.0	34.0
14:00-15:00 HOUR	50.6	79.6	34.1
15:00-16:00 HOUR	50.9	75.9	35.8
16:00-17:00 HOUR	54.0	71.8	38.6
17:00-18:00 HOUR	50.5	78.1	39.5
18:00-19:00 HOUR	52.2	73.6	38.4
19:00-20:00 HOUR	56.6	68.1	50.0
20:00-21:00 HOUR	50.9	70.8	45.8
21:00-22:00 HOUR	50.8	75.4	40.7
22:00-23:00 HOUR	48.4	64.9	45.6
23:00-00:00 HOUR	46.1	57.1	44.4
00:00-01:00 HOUR	45.9	71.1	43.8
01:00-02:00 HOUR	47.6	67.2	44.1
02:00-03:00 HOUR	48.4	69.8	43.5
03:00-04:00 HOUR	47.5	71.1	39.7
04:00-05:00 HOUR	48.0	69.8	40.9
05:00-06:00 HOUR	46.7	69.2	37.8
06:00-07:00 HOUR	54.1	77.6	42.4
L _{Aeq} 24 hours		51.8	
L _{A90}		56.2	

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NSC-TISI-TIS 17025
TESTING 0207

TIME*	RESULT dB(A)		
	L53-GN3 (UTM WGS 84 ZONE 47P 600870E 1550592N) SEPTEMBER 23-24, 2022 T22AT004-0008		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	53.0	86.1	43.0
08:00-09:00 HOUR	56.3	77.4	39.5
09:00-10:00 HOUR	51.8	74.4	36.9
10:00-11:00 HOUR	51.9	73.8	37.2
11:00-12:00 HOUR	52.1	78.1	38.1
12:00-13:00 HOUR	53.4	80.3	36.6
13:00-14:00 HOUR	52.0	83.4	36.7
14:00-15:00 HOUR	52.1	75.1	40.8
15:00-16:00 HOUR	51.6	71.5	35.5
16:00-17:00 HOUR	52.0	75.5	42.9
17:00-18:00 HOUR	52.5	72.5	45.6
18:00-19:00 HOUR	54.6	76.2	45.7
19:00-20:00 HOUR	54.9	73.9	45.3
20:00-21:00 HOUR	53.2	70.6	43.8
21:00-22:00 HOUR	50.8	72.3	45.0
22:00-23:00 HOUR	46.9	64.0	45.2
23:00-00:00 HOUR	46.0	73.6	44.6
00:00-01:00 HOUR	45.4	67.7	44.0
01:00-02:00 HOUR	44.8	57.4	43.2
02:00-03:00 HOUR	46.1	55.9	44.6
03:00-04:00 HOUR	46.0	57.1	44.5
04:00-05:00 HOUR	45.8	56.7	44.2
05:00-06:00 HOUR	46.9	61.3	44.8
06:00-07:00 HOUR	51.1	67.9	48.7
L _{Aeq} 24 hours		51.6	
L _{A90}		55.0	

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2/3

2022-U077902

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RESULT dB(A)			
L53-GN3 (UTM WGS 84 ZONE 47P 600870E 1550592N)			
SEPTEMBER 24-25, 2022 T22AT004-0009			
TIME*	L _{max} 1 hour	L _{avg} 1 hour	L _{Aeq} 1 hour
07:00-08:00 HOUR	51.9	72.6	39.2
08:00-09:00 HOUR	52.0	75.3	43.0
09:00-10:00 HOUR	54.2	78.6	36.6
10:00-11:00 HOUR	56.5	80.1	38.7
11:00-12:00 HOUR	52.5	84.0	36.5
12:00-13:00 HOUR	55.0	74.0	37.1
13:00-14:00 HOUR	52.3	75.0	36.2
14:00-15:00 HOUR	52.3	73.5	46.4
15:00-16:00 HOUR	53.1	71.7	46.5
16:00-17:00 HOUR	53.2	71.4	39.6
17:00-18:00 HOUR	51.5	74.5	41.9
18:00-19:00 HOUR	56.4	78.6	42.4
19:00-20:00 HOUR	51.8	69.8	40.9
20:00-21:00 HOUR	52.1	67.4	40.9
21:00-22:00 HOUR	52.0	71.7	39.9
22:00-23:00 HOUR	45.5	65.4	43.3
23:00-00:00 HOUR	46.5	74.1	40.4
00:00-01:00 HOUR	47.5	68.9	41.2
01:00-02:00 HOUR	47.3	71.5	43.6
02:00-03:00 HOUR	47.3	69.6	41.8
03:00-04:00 HOUR	48.0	71.3	41.4
04:00-05:00 HOUR	48.0	69.0	40.7
05:00-06:00 HOUR	49.0	69.5	46.4
06:00-07:00 HOUR	56.7	78.2	41.0
L _{Aeq} 24 hours L _{Adn}	52.5	72.5	57.2

bill
(MR SULA BANJONGMAIRUK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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2022-U077902

ANALYSIS REPORT

CUSTOMER NAME

: PAN ORIENT ENERGY (SIAM) LIMITED

ADDRESS

: 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900

CONTACT INFORMATION

: TEL : 0 2937 1138-40 e-mail : prakai@uaeconsultant.com

MEASURING PLACE

: L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)

MEASURING TYPE

: AMBIENT (ANNOYANCE NOISE)

MEASURING DATE

: SEPTEMBER 22-25, 2022

MEASURING TIME

: *

MEASURING EQUIPMENT

: INTEGRATED SOUND LEVEL METER AND CALCULATION WORK NO.

MEASURED BY

: MR SIRAPAT JONGPHADJUNGKIE

RECEIVED DATE : SEPTEMBER 22-25, 2022

ANALYTICAL DATE : SEPTEMBER 22-25, 2022

REPORT NO. : 2022-U077899

: 2022-006175

ANALYSIS NO. : T22AT004-0007 - T22AT004-0009

RESULT (dB(A))

DATE	TIME*	L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)			
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL
SEPTEMBER 22, 2022 T22AT004-0007	DAY TIME ^{1/}				
	07:00-08:00 HOUR	53.7 ^{1/}	50.7 ^{**}	50.7 ^{1/}	48.6 ^{**}
	08:00-09:00 HOUR	51.1 ^{1/}	50.7 ^{**}	44.1 ^{1/}	48.6 ^{**}
	09:00-10:00 HOUR	54.3 ^{1/}	50.7 ^{**}	52.3 ^{1/}	48.6 ^{**}
	10:00-11:00 HOUR	52.6 ^{1/}	50.7 ^{**}	48.1 ^{1/}	48.6 ^{**}
	11:00-12:00 HOUR	51.5 ^{1/}	50.7 ^{**}	44.5 ^{1/}	48.6 ^{**}
	12:00-13:00 HOUR	52.4 ^{1/}	50.7 ^{**}	47.9 ^{1/}	48.6 ^{**}
	13:00-14:00 HOUR	55.0 ^{1/}	50.7 ^{**}	53.0 ^{1/}	48.6 ^{**}
	14:00-15:00 HOUR	50.6 ^{1/}	50.7 ^{**}	43.6 ^{1/}	48.6 ^{**}
	15:00-16:00 HOUR	50.9 ^{1/}	50.7 ^{**}	43.9 ^{1/}	48.6 ^{**}
	16:00-17:00 HOUR	54.0 ^{1/}	50.7 ^{**}	51.0 ^{1/}	48.6 ^{**}
	17:00-18:00 HOUR	50.7 ^{**}	50.7 ^{**}	43.5 ^{1/}	48.6 ^{**}
	18:00-19:00 HOUR	52.2 ^{1/}	50.7 ^{**}	47.7 ^{1/}	48.6 ^{**}
	19:00-20:00 HOUR	56.6 ^{1/}	50.7 ^{**}	55.1 ^{1/}	48.6 ^{**}
	20:00-21:00 HOUR	50.9 ^{1/}	50.7 ^{**}	43.9 ^{1/}	48.6 ^{**}
	21:00-22:00 HOUR	50.8 ^{1/}	50.7 ^{**}	43.8 ^{1/}	48.6 ^{**}
	NIGHT TIME ^{2/}				
	22:00-22:05 HOUR	48.1 ^{2/}	44.4 ^{***}	49.1 ^{2/}	43.2 ^{***}
	22:05-22:10 HOUR	49.5 ^{2/}	44.4 ^{***}	51.0 ^{2/}	43.2 ^{***}
	22:10-22:15 HOUR	48.7 ^{2/}	44.4 ^{***}	49.7 ^{2/}	43.2 ^{***}
	22:15-22:20 HOUR	48.6 ^{2/}	44.4 ^{***}	49.6 ^{2/}	43.2 ^{***}
	22:20-22:25 HOUR	48.2 ^{2/}	44.4 ^{***}	49.2 ^{2/}	43.2 ^{***}
	22:25-22:30 HOUR	48.6 ^{2/}	44.4 ^{***}	49.6 ^{2/}	43.2 ^{***}
	22:30-22:35 HOUR	49.4 ^{2/}	44.4 ^{***}	50.9 ^{2/}	43.2 ^{***}
	22:35-22:40 HOUR	48.1 ^{2/}	44.4 ^{***}	49.1 ^{2/}	43.2 ^{***}
	22:40-22:45 HOUR	47.9 ^{2/}	44.4 ^{***}	48.9 ^{2/}	43.2 ^{***}
	22:45-22:50 HOUR	47.5 ^{2/}	44.4 ^{***}	47.5 ^{2/}	43.2 ^{***}
	22:50-22:55 HOUR	47.5 ^{2/}	44.4 ^{***}	47.5 ^{2/}	43.2 ^{***}
	22:55-23:00 HOUR	47.6 ^{2/}	44.4 ^{***}	47.6 ^{2/}	43.2 ^{***}
	23:00-23:05 HOUR	47.6 ^{2/}	44.4 ^{***}	47.6 ^{2/}	43.2 ^{***}
	23:05-23:10 HOUR	47.0 ^{2/}	44.4 ^{***}	47.0 ^{2/}	43.2 ^{***}
	23:10-23:15 HOUR	47.1 ^{2/}	44.4 ^{***}	47.1 ^{2/}	43.2 ^{***}
	23:15-23:20 HOUR	46.2 ^{2/}	44.4 ^{***}	44.7 ^{2/}	43.2 ^{***}
	23:20-23:25 HOUR	46.0 ^{2/}	44.4 ^{***}	44.5 ^{2/}	43.2 ^{***}
	23:25-23:30 HOUR	45.9 ^{2/}	44.4 ^{***}	44.4 ^{2/}	43.2 ^{***}

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• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

1/9

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



DATE	TIME*	RESULT (dB(A))				
		L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 22, 2022 T22AT004-0007	NIGHT TIME ^{2/}					
	23:30-23:35 HOUR	45.5 ^{2/}	44.4 ***	41.5 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:35-23:40 HOUR	46.0 ^{2/}	44.4 ***	44.5 ^{2/}	43.2 ***	1.3
	23:40-23:45 HOUR	45.2 ^{2/}	44.4 ***	41.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:45-23:50 HOUR	45.3 ^{2/}	44.4 ***	41.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:50-23:55 HOUR	45.0 ^{2/}	44.4 ***	41.0 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	23:55-00:00 HOUR	45.4 ^{2/}	44.4 ***	41.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
SEPTEMBER 23, 2022 T22AT004-0007	NIGHT TIME ^{2/}					
	00:00-00:05 HOUR	44.6 ^{2/}	44.4 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:05-00:10 HOUR	44.8 ^{2/}	44.4 ***	40.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:10-00:15 HOUR	44.8 ^{2/}	44.4 ***	40.8 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:15-00:20 HOUR	45.4 ^{2/}	44.4 ***	41.4 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:20-00:25 HOUR	47.0 ^{2/}	44.4 ***	47.0 ^{2/}	43.2 ***	3.8
	00:25-00:30 HOUR	46.2 ^{2/}	44.4 ***	44.7 ^{2/}	43.2 ***	1.5
	00:30-00:35 HOUR	44.6 ^{2/}	44.4 ***	40.6 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	00:35-00:40 HOUR	46.4 ^{2/}	44.4 ***	44.9 ^{2/}	43.2 ***	1.7
	00:40-00:45 HOUR	46.2 ^{2/}	44.4 ***	44.7 ^{2/}	43.2 ***	1.5
	00:45-00:50 HOUR	46.0 ^{2/}	44.4 ***	44.5 ^{2/}	43.2 ***	1.3
	00:50-00:55 HOUR	47.2 ^{2/}	44.4 ***	47.2 ^{2/}	43.2 ***	4.0
	00:55-01:00 HOUR	46.5 ^{2/}	44.4 ***	45.0 ^{2/}	43.2 ***	1.8
	01:00-01:05 HOUR	46.7 ^{2/}	44.4 ***	45.2 ^{2/}	43.2 ***	2.0
	01:05-01:10 HOUR	47.0 ^{2/}	44.4 ***	47.0 ^{2/}	43.2 ***	3.8
	01:10-01:15 HOUR	46.3 ^{2/}	44.4 ***	44.8 ^{2/}	43.2 ***	1.6
	01:15-01:20 HOUR	45.2 ^{2/}	44.4 ***	41.2 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}
	01:20-01:25 HOUR	47.6 ^{2/}	44.4 ***	47.6 ^{2/}	43.2 ***	4.4
	01:25-01:30 HOUR	46.6 ^{2/}	44.4 ***	45.1 ^{2/}	43.2 ***	1.9
	01:30-01:35 HOUR	48.4 ^{2/}	44.4 ***	49.4 ^{2/}	43.2 ***	6.2
	01:35-01:40 HOUR	48.3 ^{2/}	44.4 ***	49.3 ^{2/}	43.2 ***	6.1
01:40-01:45 HOUR	48.5 ^{2/}	44.4 ***	49.5 ^{2/}	43.2 ***	6.3	
01:45-01:50 HOUR	48.8 ^{2/}	44.4 ***	49.8 ^{2/}	43.2 ***	6.6	
01:50-01:55 HOUR	48.5 ^{2/}	44.4 ***	49.5 ^{2/}	43.2 ***	6.3	
01:55-02:00 HOUR	47.9 ^{2/}	44.4 ***	48.9 ^{2/}	43.2 ***	5.7	
02:00-02:05 HOUR	47.2 ^{2/}	44.4 ***	47.2 ^{2/}	43.2 ***	4.0	
02:05-02:10 HOUR	47.9 ^{2/}	44.4 ***	48.9 ^{2/}	43.2 ***	5.7	
02:10-02:15 HOUR	47.5 ^{2/}	44.4 ***	47.5 ^{2/}	43.2 ***	4.3	
02:15-02:20 HOUR	48.2 ^{2/}	44.4 ***	49.2 ^{2/}	43.2 ***	6.0	
02:20-02:25 HOUR	48.0 ^{2/}	44.4 ***	49.0 ^{2/}	43.2 ***	5.8	
02:25-02:30 HOUR	48.1 ^{2/}	44.4 ***	49.1 ^{2/}	43.2 ***	5.9	
02:30-02:35 HOUR	49.2 ^{2/}	44.4 ***	50.7 ^{2/}	43.2 ***	7.5	
02:35-02:40 HOUR	49.8 ^{2/}	44.4 ***	51.3 ^{2/}	43.2 ***	8.1	
02:40-02:45 HOUR	49.5 ^{2/}	44.4 ***	51.0 ^{2/}	43.2 ***	7.8	
02:45-02:50 HOUR	47.7 ^{2/}	44.4 ***	47.7 ^{2/}	43.2 ***	4.5	
02:50-02:55 HOUR	49.4 ^{2/}	44.4 ***	50.9 ^{2/}	43.2 ***	7.7	
02:55-03:00 HOUR	46.7 ^{2/}	44.4 ***	45.2 ^{2/}	43.2 ***	2.0	
03:00-03:05 HOUR	48.7 ^{2/}	44.4 ***	49.7 ^{2/}	43.2 ***	6.5	
03:05-03:10 HOUR	44.3 ^{2/}	44.4 ***	40.3 ^{2/}	43.2 ***	NOT SIGNIFICANT ^{3/}	

DATE	TIME*	RESULT (dB(A))				
		L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 23, 2022 T22AT004-0008	DAY TIME ^{1/}					
	15:00-16:00 HOUR	51.6 ^{1/}	50.8 **	44.6 ^{1/}	48.7 **	NOT SIGNIFICANT ^{3/}
	16:00-17:00 HOUR	52.0 ^{1/}	50.8 **	45.0 ^{1/}	48.7 **	NOT SIGNIFICANT ^{3/}
	17:00-18:00 HOUR	52.5 ^{1/}	50.8 **	48.0 ^{1/}	48.7 **	NOT SIGNIFICANT ^{3/}
	18:00-19:00 HOUR	54.6 ^{1/}	50.8 **	52.6 ^{1/}	48.7 **	3.9
	19:00-20:00 HOUR	54.9 ^{1/}	50.8 **	52.9 ^{1/}	48.7 **	4.2
	20:00-21:00 HOUR	53.2 ^{1/}	50.8 **	48.7 ^{1/}	48.7 **	0.0
	21:00-22:00 HOUR	50.8 ^{1/}	50.8 **	43.8 ^{1/}	48.7 **	NOT SIGNIFICANT ^{3/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	46.7 ^{2/}	43.0 ***	47.7 ^{2/}	41.8 ***	5.9
	22:05-22:10 HOUR	45.0 ^{2/}	43.0 ***	43.5 ^{2/}	41.8 ***	1.7
	22:10-22:15 HOUR	47.7 ^{2/}	43.0 ***	49.2 ^{2/}	41.8 ***	7.4
	22:15-22:20 HOUR	49.0 ^{2/}	43.0 ***	50.5 ^{2/}	41.8 ***	8.7
	22:20-22:25 HOUR	48.4 ^{2/}	43.0 ***	49.9 ^{2/}	41.8 ***	8.1
	22:25-22:30 HOUR	44.6 ^{2/}	43.0 ***	43.1 ^{2/}	41.8 ***	1.3
	22:30-22:35 HOUR	45.6 ^{2/}	43.0 ***	45.6 ^{2/}	41.8 ***	3.8
	22:35-22:40 HOUR	45.1 ^{2/}	43.0 ***	43.6 ^{2/}	41.8 ***	1.8
	22:40-22:45 HOUR	45.6 ^{2/}	43.0 ***	45.6 ^{2/}	41.8 ***	3.8
	22:45-22:50 HOUR	47.3 ^{2/}	43.0 ***	48.3 ^{2/}	41.8 ***	6.5
	22:50-22:55 HOUR	47.9 ^{2/}	43.0 ***	49.4 ^{2/}	41.8 ***	7.6
	22:55-23:00 HOUR	47.7 ^{2/}	43.0 ***	49.2 ^{2/}	41.8 ***	7.4
	23:00-23:05 HOUR	46.0 ^{2/}	43.0 ***	46.0 ^{2/}	41.8 ***	4.2
	23:05-23:10 HOUR	44.5 ^{2/}	43.0 ***	43.0 ^{2/}	41.8 ***	1.2
	23:10-23:15 HOUR	45.2 ^{2/}	43.0 ***	43.7 ^{2/}	41.8 ***	1.9
23:15-23:20 HOUR	44.9 ^{2/}	43.0 ***	43.4 ^{2/}	41.8 ***	1.6	
23:20-23:25 HOUR	45.2 ^{2/}	43.0 ***	43.7 ^{2/}	41.8 ***	1.9	
23:25-23:30 HOUR	46.2 ^{2/}	43.0 ***	46.2 ^{2/}	41.8 ***	4.4	
23:30-23:35 HOUR	46.1 ^{2/}	43.0 ***	46.1 ^{2/}	41.8 ***	4.3	
23:35-23:40 HOUR	46.1 ^{2/}	43.0 ***	46.1 ^{2/}	41.8 ***	4.3	
23:40-23:45 HOUR	47.1 ^{2/}	43.0 ***	48.1 ^{2/}	41.8 ***	6.3	
23:45-23:50 HOUR	47.8 ^{2/}	43.0 ***	49.3 ^{2/}	41.8 ***	7.5	
23:50-23:55 HOUR	46.6 ^{2/}	43.0 ***	47.6 ^{2/}	41.8 ***	5.8	
23:55-00:00 HOUR	45.2 ^{2/}	43.0 ***	43.7 ^{2/}	41.8 ***	1.9	
SEPTEMBER 24, 2022 T22AT004-0008	NIGHT TIME ^{2/}					
	00:00-00:05 HOUR	46.4 ^{2/}	43.0 ***	46.4 ^{2/}	41.8 ***	4.6
	00:05-00:10 HOUR	46.1 ^{2/}	43.0 ***	46.1 ^{2/}	41.8 ***	4.3
	00:10-00:15 HOUR	45.7 ^{2/}	43.0 ***	45.7 ^{2/}	41.8 ***	3.9
	00:15-00:20 HOUR	45.8 ^{2/}	43.0 ***	45.8 ^{2/}	41.8 ***	4.0
	00:20-00:25 HOUR	45.9 ^{2/}	43.0 ***	45.9 ^{2/}	41.8 ***	4.1
	00:25-00:30 HOUR	45.1 ^{2/}	43.0 ***	43.6 ^{2/}	41.8 ***	1.8
	00:30-00:35 HOUR	44.7 ^{2/}	43.0 ***	43.2 ^{2/}	41.8 ***	1.4
	00:35-00:40 HOUR	45.0 ^{2/}	43.0 ***	43.5 ^{2/}	41.8 ***	1.7
	00:40-00:45 HOUR	44.4 ^{2/}	43.0 ***	40.4 ^{2/}	41.8 ***	NOT SIGNIFICANT ^{3/}
	00:45-00:50 HOUR	45.6 ^{2/}	43.0 ***	45.6 ^{2/}	41.8 ***	3.8
	00:50-00:55 HOUR	45.6 ^{2/}	43.0 ***	45.6 ^{2/}	41.8 ***	3.8
00:55-01:00 HOUR	44.5 ^{2/}	43.0 ***	43.0 ^{2/}	41.8 ***	1.2	

DATE	TIME*	RESULT (dB(A))				
		L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 24, 2022 T22AT004-0008	NIGHT TIME ^{2/}					
	01:00-01:05 HOUR	45.0 ^{2/}	43.0 ***	43.5 ^{2/}	41.8 ***	1.7
	01:05-01:10 HOUR	44.1 ^{2/}	43.0 ***	40.1 ^{2/}	41.8 ***	NOT SIGNIFICANT ^{3/}
	01:10-01:15 HOUR	44.2 ^{2/}	43.0 ***	40.2 ^{2/}	41.8 ***	NOT SIGNIFICANT ^{3/}
	01:15-01:20 HOUR	45.3 ^{2/}	43.0 ***	43.8 ^{2/}	41.8 ***	2.0
	01:20-01:25 HOUR	44.4 ^{2/}	43.0 ***	40.4 ^{2/}	41.8 ***	NOT SIGNIFICANT ^{3/}
	01:25-01:30 HOUR	43.0 ^{2/}	43.0 ***	39.0 ^{2/}	41.8 ***	NOT SIGNIFICANT ^{3/}
	01:30-01:35 HOUR	43.4 ^{2/}	43.0 ***	39.4 ^{2/}	41.8 ***	NOT SIGNIFICANT ^{3/}
	01:35-01:40 HOUR	45.0 ^{2/}	43.0 ***	43.5 ^{2/}	41.8 ***	1.7
	01:40-01:45 HOUR	47.5 ^{2/}	43.0 ***	49.0 ^{2/}	41.8 ***	7.2
	01:45-01:50 HOUR	44.5 ^{2/}	43.0 ***	43.0 ^{2/}	41.8 ***	1.2
	01:50-01:55 HOUR	44.7 ^{2/}	43.0 ***	43.2 ^{2/}	41.8 ***	1.4
	01:55-02:00 HOUR	45.1 ^{2/}	43.0 ***	43.6 ^{2/}	41.8 ***	1.8
	02:00-02:05 HOUR	45.1 ^{2/}	43.0 ***	43.6 ^{2/}	41.8 ***	1.8
	02:05-02:10 HOUR	45.6 ^{2/}	43.0 ***	45.6 ^{2/}	41.8 ***	3.8
	02:10-02:15 HOUR	46.4 ^{2/}	43.0 ***	46.4 ^{2/}	41.8 ***	4.6
	02:15-02:20 HOUR	45.9 ^{2/}	43.0 ***	45.9 ^{2/}	41.8 ***	4.1
	02:20-02:25 HOUR	47.0 ^{2/}	43.0 ***	48.0 ^{2/}	41.8 ***	6.2
	02:25-02:30 HOUR	46.1 ^{2/}	43.0 ***	46.1 ^{2/}	41.8 ***	4.3
	02:30-02:35 HOUR	45.6 ^{2/}	43.0 ***	45.6 ^{2/}	41.8 ***	3.8
	02:35-02:40 HOUR	45.3 ^{2/}	43.0 ***	43.8 ^{2/}	41.8 ***	2.0
	02:40-02:45 HOUR	46.6 ^{2/}	43.0 ***	47.6 ^{2/}	41.8 ***	5.8
	02:45-02:50 HOUR	47.0 ^{2/}	43.0 ***	48.0 ^{2/}	41.8 ***	6.2
	02:50-02:55 HOUR	46.4 ^{2/}	43.0 ***	46.4 ^{2/}	41.8 ***	4.6
	02:55-03:00 HOUR	45.6 ^{2/}	43.0 ***	45.6 ^{2/}	41.8 ***	3.8
	03:00-03:05 HOUR	45.3 ^{2/}	43.0 ***	43.8 ^{2/}	41.8 ***	2.0
	03:05-03:10 HOUR	45.2 ^{2/}	43.0 ***	43.7 ^{2/}	41.8 ***	1.9
	03:10-03:15 HOUR	45.7 ^{2/}	43.0 ***	45.7 ^{2/}	41.8 ***	3.9
	03:15-03:20 HOUR	46.1 ^{2/}	43.0 ***	46.1 ^{2/}	41.8 ***	4.3
	03:20-03:25 HOUR	46.4 ^{2/}	43.0 ***	46.4 ^{2/}	41.8 ***	4.6
	03:25-03:30 HOUR	46.4 ^{2/}	43.0 ***	46.4 ^{2/}	41.8 ***	4.6
	03:30-03:35 HOUR	46.7 ^{2/}	43.0 ***	47.7 ^{2/}	41.8 ***	5.9
	03:35-03:40 HOUR	46.9 ^{2/}	43.0 ***	47.9 ^{2/}	41.8 ***	6.1
	03:40-03:45 HOUR	46.4 ^{2/}	43.0 ***	46.4 ^{2/}	41.8 ***	4.6
	03:45-03:50 HOUR	45.9 ^{2/}	43.0 ***	45.9 ^{2/}	41.8 ***	4.1
	03:50-03:55 HOUR	45.7 ^{2/}	43.0 ***	45.7 ^{2/}	41.8 ***	3.9
	03:55-04:00 HOUR	45.1 ^{2/}	43.0 ***	43.6 ^{2/}	41.8 ***	1.8
	04:00-04:05 HOUR	45.5 ^{2/}	43.0 ***	45.5 ^{2/}	41.8 ***	3.7
	04:05-04:10 HOUR	46.3 ^{2/}	43.0 ***	46.3 ^{2/}	41.8 ***	4.5
	04:10-04:15 HOUR	45.0 ^{2/}	43.0 ***	43.5 ^{2/}	41.8 ***	1.7
	04:15-04:20 HOUR	45.9 ^{2/}	43.0 ***	45.9 ^{2/}	41.8 ***	4.1
	04:20-04:25 HOUR	45.5 ^{2/}	43.0 ***	45.5 ^{2/}	41.8 ***	3.7
	04:25-04:30 HOUR	46.3 ^{2/}	43.0 ***	46.3 ^{2/}	41.8 ***	4.5
	04:30-04:35 HOUR	45.4 ^{2/}	43.0 ***	43.9 ^{2/}	41.8 ***	2.1
	04:35-04:40 HOUR	45.9 ^{2/}	43.0 ***	45.9 ^{2/}	41.8 ***	4.1
	04:40-04:45 HOUR	45.5 ^{2/}	43.0 ***	45.5 ^{2/}	41.8 ***	3.7

DATE	TIME*	RESULT (dB(A))				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 24, 2022 T22AT004-0008	NIGHT TIME 2/					
	04:45-04:50 HOUR	46.5 ^{2/}	43.0 ***	47.5 ^{2/}	41.8 ***	5.7
	04:50-04:55 HOUR	45.5 ^{2/}	43.0 ***	45.5 ^{2/}	41.8 ***	3.7
	04:55-05:00 HOUR	46.1 ^{2/}	43.0 ***	46.1 ^{2/}	41.8 ***	4.3
	05:00-05:05 HOUR	46.6 ^{2/}	43.0 ***	47.6 ^{2/}	41.8 ***	5.8
	05:05-05:10 HOUR	47.5 ^{2/}	43.0 ***	49.0 ^{2/}	41.8 ***	7.2
	05:10-05:15 HOUR	45.2 ^{2/}	43.0 ***	43.7 ^{2/}	41.8 ***	1.9
	05:15-05:20 HOUR	45.4 ^{2/}	43.0 ***	43.9 ^{2/}	41.8 ***	2.1
	05:20-05:25 HOUR	45.9 ^{2/}	43.0 ***	45.9 ^{2/}	41.8 ***	4.1
	05:25-05:30 HOUR	47.3 ^{2/}	43.0 ***	48.3 ^{2/}	41.8 ***	6.5
	05:30-05:35 HOUR	47.8 ^{2/}	43.0 ***	49.3 ^{2/}	41.8 ***	7.5
	05:35-05:40 HOUR	47.8 ^{2/}	43.0 ***	49.3 ^{2/}	41.8 ***	7.5
	05:40-05:45 HOUR	47.6 ^{2/}	43.0 ***	49.1 ^{2/}	41.8 ***	7.3
	05:45-05:50 HOUR	47.5 ^{2/}	43.0 ***	49.0 ^{2/}	41.8 ***	7.2
	05:50-05:55 HOUR	47.0 ^{2/}	43.0 ***	48.0 ^{2/}	41.8 ***	6.2
	05:55-06:00 HOUR	51.1 ^{1/}	50.8 **	44.1 ^{1/}	48.7 **	NOT SIGNIFICANT ^{2/}
	DAY TIME 1/					
	06:00-07:00 HOUR	51.9 ^{1/}	51.5 **	44.9 ^{1/}	49.6 **	NOT SIGNIFICANT ^{2/}
	07:00-08:00 HOUR	52.0 ^{1/}	51.5 **	45.0 ^{1/}	49.6 **	NOT SIGNIFICANT ^{2/}
	08:00-09:00 HOUR	54.2 ^{1/}	51.5 **	51.2 ^{1/}	49.6 **	1.6
	09:00-10:00 HOUR	56.5 ^{1/}	51.5 **	55.0 ^{1/}	49.6 **	5.4
	10:00-11:00 HOUR	52.5 ^{1/}	51.5 **	45.5 ^{1/}	49.6 **	NOT SIGNIFICANT ^{2/}
	11:00-12:00 HOUR	55.0 ^{1/}	51.5 **	53.0 ^{1/}	49.6 **	3.4
	12:00-13:00 HOUR	52.3 ^{1/}	51.5 **	45.3 ^{1/}	49.6 **	NOT SIGNIFICANT ^{2/}
	13:00-14:00 HOUR	52.3 ^{1/}	51.5 **	45.3 ^{1/}	49.6 **	NOT SIGNIFICANT ^{2/}
	14:00-15:00 HOUR	53.1 ^{1/}	51.5 **	48.6 ^{1/}	49.6 **	NOT SIGNIFICANT ^{2/}
	15:00-16:00 HOUR	53.2 ^{1/}	51.5 **	48.7 ^{1/}	49.6 **	NOT SIGNIFICANT ^{2/}
	16:00-17:00 HOUR	51.5 ^{1/}	51.5 **	44.5 ^{1/}	49.6 **	NOT SIGNIFICANT ^{2/}
	17:00-18:00 HOUR	56.4 ^{1/}	51.5 **	54.9 ^{1/}	49.6 **	5.3
	18:00-19:00 HOUR	51.8 ^{1/}	51.5 **	44.8 ^{1/}	49.6 **	NOT SIGNIFICANT ^{2/}
	19:00-20:00 HOUR	52.1 ^{1/}	51.5 **	45.1 ^{1/}	49.6 **	NOT SIGNIFICANT ^{2/}
	20:00-21:00 HOUR	52.0 ^{1/}	51.5 **	45.0 ^{1/}	49.6 **	NOT SIGNIFICANT ^{2/}
	21:00-22:00 HOUR	46.6 ^{2/}	44.1 ***	46.6 ^{2/}	42.9 ***	3.7
	NIGHT TIME 2/					
	22:00-22:05 HOUR	45.2 ^{2/}	44.1 ***	44.4 ^{2/}	42.9 ***	1.5
	22:05-22:10 HOUR	44.2 ^{2/}	44.1 ***	40.2 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	22:10-22:15 HOUR	44.1 ^{2/}	44.1 ***	40.1 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	22:15-22:20 HOUR	44.1 ^{2/}	44.1 ***	40.3 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	22:20-22:25 HOUR	44.1 ^{2/}	44.1 ***	40.1 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	22:25-22:30 HOUR	44.1 ^{2/}	44.1 ***	40.6 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	22:30-22:35 HOUR	44.1 ^{2/}	44.1 ***	41.3 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	22:35-22:40 HOUR	44.9 ^{2/}	44.1 ***	40.9 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	22:40-22:45 HOUR	47.1 ^{2/}	44.1 ***	47.1 ^{2/}	42.9 ***	4.2
	22:45-22:50 HOUR	46.6 ^{2/}	44.1 ***	46.6 ^{2/}	42.9 ***	3.7

DATE	TIME*	RESULT (dB(A))				
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL	ANNOYANCE NOISE LEVEL
SEPTEMBER 24, 2022 T22AT004-0009	NIGHT TIME 2/					
	22:55-23:00 HOUR	46.2 ^{2/}	44.1 ***	44.7 ^{2/}	42.9 ***	1.8
	23:00-23:05 HOUR	46.2 ^{2/}	44.1 ***	44.7 ^{2/}	42.9 ***	1.8
	23:05-23:10 HOUR	44.9 ^{2/}	44.1 ***	40.9 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	23:10-23:15 HOUR	44.0 ^{2/}	44.1 ***	40.0 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	23:15-23:20 HOUR	47.5 ^{2/}	44.1 ***	47.5 ^{2/}	42.9 ***	4.6
	23:20-23:25 HOUR	49.5 ^{2/}	44.1 ***	51.0 ^{2/}	42.9 ***	8.1
	23:25-23:30 HOUR	44.4 ^{2/}	44.1 ***	40.4 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	23:30-23:35 HOUR	44.1 ^{2/}	44.1 ***	41.4 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	23:35-23:40 HOUR	44.9 ^{2/}	44.1 ***	40.9 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	23:40-23:45 HOUR	47.0 ^{2/}	44.1 ***	47.0 ^{2/}	42.9 ***	4.1
	23:45-23:50 HOUR	47.5 ^{2/}	44.1 ***	47.5 ^{2/}	42.9 ***	4.6
	23:50-23:55 HOUR	45.1 ^{2/}	44.1 ***	41.1 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	23:55-00:00 HOUR	48.1 ^{2/}	44.1 ***	49.1 ^{2/}	42.9 ***	6.2
	NIGHT TIME 2/					
	00:00-00:05 HOUR	46.1 ^{2/}	44.1 ***	44.6 ^{2/}	42.9 ***	1.7
	00:05-00:10 HOUR	46.9 ^{2/}	44.1 ***	46.9 ^{2/}	42.9 ***	4.0
	00:10-00:15 HOUR	46.7 ^{2/}	44.1 ***	46.7 ^{2/}	42.9 ***	3.8
	00:15-00:20 HOUR	46.6 ^{2/}	44.1 ***	46.6 ^{2/}	42.9 ***	3.7
	00:20-00:25 HOUR	45.5 ^{2/}	44.1 ***	41.5 ^{2/}	42.9 ***	NOT SIGNIFICANT ^{2/}
	00:25-00:30 HOUR	49.3 ^{2/}	44.1 ***	50.8 ^{2/}	42.9 ***	7.9
	00:30-00:35 HOUR	46.9 ^{2/}	44.1 ***	46.9 ^{2/}	42.9 ***	4.0
	00:35-00:40 HOUR	48.4 ^{2/}	44.1 ***	49.4 ^{2/}	42.9 ***	6.5
	00:40-00:45 HOUR	47.6 ^{2/}	44.1 ***	48.6 ^{2/}	42.9 ***	5.7
	00:45-00:50 HOUR	49.8 ^{2/}	44.1 ***	51.3 ^{2/}	42.9 ***	8.4
	00:50-00:55 HOUR	47.0 ^{2/}	44.1 ***	47.0 ^{2/}	42.9 ***	4.1
	00:55-01:00 HOUR	47.6 ^{2/}	44.1 ***	48.6 ^{2/}	42.9 ***	5.7
	01:00-01:05 HOUR	48.3 ^{2/}	44.1 ***	49.3 ^{2/}	42.9 ***	6.4
	01:05-01:10 HOUR	48.0 ^{2/}	44.1 ***	49.0 ^{2/}	42.9 ***	6.1
	01:10-01:15 HOUR	46.7 ^{2/}	44.1 ***	46.7 ^{2/}	42.9 ***	3.8
	01:15-01:20 HOUR	45.7 ^{2/}	44.1 ***	44.2 ^{2/}	42.9 ***	1.3
	01:20-01:25 HOUR	46.7 ^{2/}	44.1 ***	46.7 ^{2/}	42.9 ***	3.8
	01:25-01:30 HOUR	45.9 ^{2/}	44.1 ***	44.4 ^{2/}	42.9 ***	1.5
	01:30-01:35 HOUR	46.9 ^{2/}	44.1 ***	46.9 ^{2/}	42.9 ***	4.0
	01:35-01:40 HOUR	47.8 ^{2/}	44.1 ***	48.8 ^{2/}	42.9 ***	5.9
	01:40-01:45 HOUR	46.6 ^{2/}	44.1 ***	46.6 ^{2/}	42.9 ***	3.7
	01:45-01:50 HOUR	49.9 ^{2/}	44.1 ***	51.4 ^{2/}	42.9 ***	8.5
	01:50-01:55 HOUR	46.7 ^{2/}	44.1 ***	46.7 ^{2/}	42.9 ***	3.8
	01:55-02:00 HOUR	46.6 ^{2/}	44.1 ***	46.6 ^{2/}	42.9 ***	3.7
	02:00-02:05 HOUR	48.5 ^{2/}	44.1 ***	49.5 ^{2/}	42.9 ***	6.6
	02:05-02:10 HOUR	46.8 ^{2/}	44.1 ***	46.8 ^{2/}	42.9 ***	3.9
	02:10-02:15 HOUR	48.2 ^{2/}	44.1 ***	49.2 ^{2/}	42.9 ***	6.3
	02:15-02:20 HOUR	48.2 ^{2/}	44.1 ***	49.2 ^{2/}	42.9 ***	6.3
	02:20-02:25 HOUR	47.2 ^{2/}	44.1 ***	47.2 ^{2/}	42.9 ***	4.3
	02:25-02:30 HOUR	47.6 ^{2/}	44.1 ***	48.6 ^{2/}	42.9 ***	5.7
	02:30-02:35 HOUR	46.4 ^{2/}	44.1 ***	44.9 ^{2/}	42.9 ***	2.0

DATE	TIME*	RESULT (dB(A))			
		L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)			
		SPECIFIC NOISE LEVEL	RESIDUAL NOISE LEVEL	SPECIFIC NOISE LEVEL (IMPROVE NOISE LEVEL)	BACKGROUND NOISE LEVEL
SEPTEMBER 25, 2022 T22AT004-0009	NIGHT TIME ^{2/}				
	02:35-02:40 HOUR	47.7 ^{2/}	44.1 ***	48.7 ^{2/}	42.9 ***
	02:40-02:45 HOUR	46.8 ^{2/}	44.1 ***	50.3 ^{2/}	42.9 ***
	02:45-02:50 HOUR	48.1 ^{2/}	44.1 ***	44.6 ^{2/}	42.9 ***
	02:50-02:55 HOUR	45.5 ^{2/}	44.1 ***	41.5 ^{2/}	42.9 ***
	02:55-03:00 HOUR	44.4 ^{2/}	44.1 ***	40.4 ^{2/}	42.9 ***
	03:00-03:05 HOUR	44.6 ^{2/}	44.1 ***	40.6 ^{2/}	42.9 ***
	03:05-03:10 HOUR	48.5 ^{2/}	44.1 ***	49.5 ^{2/}	42.9 ***
	03:10-03:15 HOUR	48.3 ^{2/}	44.1 ***	49.3 ^{2/}	42.9 ***
	03:15-03:20 HOUR	47.9 ^{2/}	44.1 ***	48.9 ^{2/}	42.9 ***
	03:20-03:25 HOUR	48.2 ^{2/}	44.1 ***	49.2 ^{2/}	42.9 ***
	03:25-03:30 HOUR	47.8 ^{2/}	44.1 ***	48.8 ^{2/}	42.9 ***
	03:30-03:35 HOUR	49.6 ^{2/}	44.1 ***	51.1 ^{2/}	42.9 ***
	03:35-03:40 HOUR	49.6 ^{2/}	44.1 ***	51.1 ^{2/}	42.9 ***
	03:40-03:45 HOUR	47.9 ^{2/}	44.1 ***	48.9 ^{2/}	42.9 ***
	03:45-03:50 HOUR	47.0 ^{2/}	44.1 ***	47.0 ^{2/}	42.9 ***
	03:50-03:55 HOUR	45.8 ^{2/}	44.1 ***	44.3 ^{2/}	42.9 ***
	03:55-04:00 HOUR	48.7 ^{2/}	44.1 ***	50.2 ^{2/}	42.9 ***
	04:00-04:05 HOUR	47.7 ^{2/}	44.1 ***	48.7 ^{2/}	42.9 ***
	04:05-04:10 HOUR	47.5 ^{2/}	44.1 ***	47.5 ^{2/}	42.9 ***
	04:10-04:15 HOUR	46.6 ^{2/}	44.1 ***	46.6 ^{2/}	42.9 ***
	04:15-04:20 HOUR	45.1 ^{2/}	44.1 ***	41.1 ^{2/}	42.9 ***
	04:20-04:25 HOUR	45.7 ^{2/}	44.1 ***	44.2 ^{2/}	42.9 ***
	04:25-04:30 HOUR	47.9 ^{2/}	44.1 ***	48.9 ^{2/}	42.9 ***
	04:30-04:35 HOUR	48.5 ^{2/}	44.1 ***	49.5 ^{2/}	42.9 ***
	04:35-04:40 HOUR	46.0 ^{2/}	44.1 ***	44.5 ^{2/}	42.9 ***
	04:40-04:45 HOUR	49.1 ^{2/}	44.1 ***	50.6 ^{2/}	42.9 ***
	04:45-04:50 HOUR	49.6 ^{2/}	44.1 ***	51.1 ^{2/}	42.9 ***
	04:50-04:55 HOUR	49.3 ^{2/}	44.1 ***	50.8 ^{2/}	42.9 ***
	04:55-05:00 HOUR	49.9 ^{2/}	44.1 ***	51.4 ^{2/}	42.9 ***
	05:00-05:05 HOUR	49.2 ^{2/}	44.1 ***	50.7 ^{2/}	42.9 ***
	05:05-05:10 HOUR	49.5 ^{2/}	44.1 ***	51.0 ^{2/}	42.9 ***
	05:10-05:15 HOUR	48.7 ^{2/}	44.1 ***	50.2 ^{2/}	42.9 ***
	05:15-05:20 HOUR	48.8 ^{2/}	44.1 ***	50.3 ^{2/}	42.9 ***
	05:20-05:25 HOUR	49.2 ^{2/}	44.1 ***	50.7 ^{2/}	42.9 ***
	05:25-05:30 HOUR	48.2 ^{2/}	44.1 ***	49.2 ^{2/}	42.9 ***
	05:30-05:35 HOUR	49.8 ^{2/}	44.1 ***	51.3 ^{2/}	42.9 ***
	05:35-05:40 HOUR	48.0 ^{2/}	44.1 ***	49.0 ^{2/}	42.9 ***
	05:40-05:45 HOUR	47.9 ^{2/}	44.1 ***	48.9 ^{2/}	42.9 ***
	05:45-05:50 HOUR	48.9 ^{2/}	44.1 ***	50.4 ^{2/}	42.9 ***
	05:50-05:55 HOUR	49.1 ^{2/}	44.1 ***	50.6 ^{2/}	42.9 ***
	05:55-06:00 HOUR	49.7 ^{2/}	44.1 ***	51.2 ^{2/}	42.9 ***
	DAY TIME ^{1/}				
	06:00-07:00 HOUR	56.7 ^{1/}	51.5 **	55.2 ^{1/}	49.6 **

REMARK :

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

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(MR SILA BANONGDAIRUK)
LABORATORY SUPERVISOR

OCTOBER 3, 2022

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2022-U077899

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2022-U077899

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakajpruek@poesiam.com
SAMPLING SOURCE : L53-GSW2 (UTM WGS 84 ZONE 47P 600570E 1550904N)
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : SEPTEMBER 19, 2022
SAMPLING TIME : 11:05 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : SEPTEMBER 20, 2022
ANALYTICAL DATE : SEPTEMBER 20-29, 2022
REPORT NO. : 2022-U077466
WORK NO. : 2022-006175
ANALYSIS NO. : T22A5633-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			L53-GSW2 T22A5633-0002	7.2 (29°C)	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)		29	-
TEMPERATURE ^c	°C	THERMOMETER AT SITE (SM: 2550 B)			-
ELECTRICAL CONDUCTIVITY ^c	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)		1446 (29°C)	0.1
SALINITY ^c	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)		0.7	0.1
DISSOLVED OXYGEN ^c	mg/L	AZIDE MODIFICATION METHOD AT SITE (SM: 4500-O ₂ C)		1.6	0.5
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O ₂ C AND 5210 B)		1.4	1.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)		6.7	5.0
TOTAL DISSOLVED SOLIDS ^c	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)		1.223	25
TOTAL PETROLEUM HYDROCARBONS ^c	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)		ND	3
METALS					
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)		0.0090	0.0003
BARIUM ^c	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)		0.112	0.003
CADMIUM ^c	mg/L Cd	IN-HOUSE METHOD: UAE.TP.SW.01(NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B		ND	0.002
IRON ^c	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		0.902	0.005
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	0.003
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		2.54	0.002
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B		< LOQ	0.0001
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	0.005
SELENIUM ^c	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)		ND	0.0005

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			L53-GSW2 T22A5633-0002	ND	
TOTAL CHROMIUM ^c	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
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	0.003
MICROBIOLOGY					
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E)		1,700	18
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT				YELLOW/CLEAR YELLOW	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (OSS)
^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.
ND : NON-DETECTABLE
< LOQ : < LIMIT OF QUANTITATION (MERCURY ≥ 0.0001 AND < 0.0005 mg/L).


(MR BHUCHONK PANICHLERTUMP)
LABORATORY SUPERVISOR

OCTOBER 5, 2022

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• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

2022-U077466

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakai@pruek@post.siam.com
SAMPLE TYPE : -
SAMPLING DATE : BLANK (SURFACE WATER)
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : -
ANALYZED BY : MISS NADINAPA KAMOLBOON

RECEIVED DATE : SEPTEMBER 20, 2022
ANALYTICAL DATE : SEPTEMBER 20-29, 2022
REPORT NO. : 2022-U077462
WORK NO. : 2022-006175
ANALYSIS NO. : 2022-FB0983, 2022-TB0958

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			1 2022-FB0983	2 2022-TB0958	
BIOCHEMICAL OXYGEN DEMAND	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	ND	ND	10
SUSPENDED SOLIDS	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	ND	ND	5.0
TOTAL DISSOLVED SOLIDS	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	ND	ND	25
TOTAL PETROLEUM HYDROCARBONS	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	ND	3
METALS					
ARSENIC	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	ND	0.0003
BARIUM	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	ND	0.003
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	ND	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	ND	ND	0.005
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	ND	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	ND	ND	0.002
MERCURY	mg/L Hg	IN-HOUSE METHOD: UAE:TP:HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	ND	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	ND	0.005
SELENIUM	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	ND	0.0005
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	ND	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	ND	0.003

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

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakai@pruek@post.siam.com
SAMPLE TYPE : -
SAMPLING DATE : SEPTEMBER 20, 2022
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : -
ANALYZED BY : MISS NADINAPA KAMOLBOON

RECEIVED DATE : SEPTEMBER 20, 2022
ANALYTICAL DATE : SEPTEMBER 20-29, 2022
REPORT NO. : 2022-U077462
WORK NO. : 2022-006175
ANALYSIS NO. : 2022-FB0983, 2022-TB0958

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			1 2022-FB0983	2 2022-TB0958	
BIOCHEMICAL OXYGEN DEMAND	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	ND	ND	10
SUSPENDED SOLIDS	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	ND	ND	5.0
TOTAL DISSOLVED SOLIDS	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	ND	ND	25
TOTAL PETROLEUM HYDROCARBONS	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	ND	3
METALS					
ARSENIC	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	ND	0.0003
BARIUM	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	ND	0.003
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	ND	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	ND	ND	0.005
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	ND	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	ND	ND	0.002
MERCURY	mg/L Hg	IN-HOUSE METHOD: UAE:TP:HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	ND	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	ND	0.005
SELENIUM	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	ND	0.0005
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	ND	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	ND	0.003

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Phuchonk
(MR BHUCHONK PANICHLERTUMPT)
LABORATORY SUPERVISOR

OCTOBER 5, 2022

2022-U077462

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakai@pruek@poesiam.com
SAMPLING SOURCE : L53-GGW2 (UTM WGS 84 ZONE 47P 600955E 1550635N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : SEPTEMBER 19, 2022
SAMPLING TIME : 10:40 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : SEPTEMBER 20, 2022
ANALYTICAL DATE : SEPTEMBER 20-29, 2022
REPORT NO. : 2022-U077535
WORK NO. : 2022-006175
ANALYSIS NO. : T22A5635-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GGW2 T22A5635-0002	DETECTION LIMIT
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.1 (30°C)	-
TEMPERATURE ^c	°C	THERMOMETER AT SITE (SM: 2550 B)	30	-
ELECTRICAL CONDUCTIVITY ^c	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	1,079 (30°C)	0.1
SALINITY ^c	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	0.5	0.1
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 G)	681	25
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	174	2.0
SULPHATE ^c	mg/L SO ₄ ²⁻ E	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	24.6	0.3
TOTAL PETROLEUM HYDROCARBONS ^c	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	ND	3
METALS				
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	0.0003
BARIUM ^c	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.171	0.003
CADMIUM ^c	mg/L Cd	IN-HOUSE METHOD: UAE TP:GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	0.002
CALCIUM ^c	mg/L Ca	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	45.1	0.005
COPPER ^c	mg/L Cu	IN-HOUSE METHOD: UAE TP:GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	0.002
IRON ^c	mg/L Fe	IN-HOUSE METHOD: UAE TP:GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	287	0.005
LEAD ^c	mg/L Pb	IN-HOUSE METHOD: UAE TP:GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	0.003
MANGANESE ^c	mg/L Mn	IN-HOUSE METHOD: UAE TP:GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	0.002
NICKEL ^c	mg/L Ni	IN-HOUSE METHOD: UAE TP:GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	0.005

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GGW2 T22A5635-0002	DETECTION LIMIT
POTASSIUM ^c	mg/L K	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	4.56	0.005
SELENIUM ^c	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	0.0005
SODIUM ^c	mg/L Na	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	63.8	0.005
TOTAL CHROMIUM ^c	mg/L Cr	IN-HOUSE METHOD: UAE TP:GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	0.005
TOTAL MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE TP:HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	ND	0.0001
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	0.066	0.003
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT				
			YELLOW/CLEAR YELLOW	

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

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

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

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

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

ND : NON-DETECTABLE

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

MANGANESE ≥ 0.002 AND < 0.025 mg/L).

Bruchak

(MR BHUCHONK PANCHLERTUMPI)
LABORATORY SUPERVISOR

OCTOBER 5, 2022

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ANALYSIS REPORT

CUSTOMER NAME
: PAN ORIENT ENERGY (SIAM) LIMITED

ADDRESS
: 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900

CONTACT INFORMATION
: TEL : 0 2937 1138-40 e-mail : prakai@pruek@poesiam.com

SAMPLING SOURCE
: MWL53G-1 (UTM WGS 84 ZONE 47P 601275E 1551104N)

SAMPLE TYPE
: GROUNDWATER

SAMPLING DATE
: SEPTEMBER 20, 2022

SAMPLING TIME
: 10:10 HOUR

SAMPLING METHOD
: SUBMERISABLE PUMP

SAMPLING BY
: MR KRIDSANAPONG NAMTHIP

ANALYZED BY
: MISS NADNAPA KAMOLBOON

RECEIVED DATE
: SEPTEMBER 21, 2022

ANALYTICAL DATE
: SEPTEMBER 21 - OCTOBER 1, 2022

REPORT NO.
: 2022-U078108

WORK NO.
: 2022-006175

ANALYSIS NO.
: T22A5709-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			MWLS3G-1 T22A5709-0001	7.0 (29°C)	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	29	-	-
TEMPERATURE ^c	°C	THERMOMETER AT SITE (SM: 2550 B)	0.8	0.8	0.1
SALINITY ^c	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	1,388	1,700 (29°C)	0.1
ELECTRICAL CONDUCTIVITY ^c	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	25	25	0.1
TOTAL DISSOLVED SOLIDS ^c	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	394	170	2.0
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	ND	3	0.3
SULPHATE ^c	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	ND	3	3
TOTAL PETROLEUM HYDROCARBONS ^c	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	0.0408	0.076	0.003
METALS					
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	88.4	0.002
BARIUM ^c	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.158	0.005
CADMIUM ^c	mg/L Cd	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	ND	0.002
CALCIUM ^c	mg/L Ca	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	ND	0.002
COPPER ^c	mg/L Cu	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	ND	0.003
IRON ^c	mg/L Fe	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	ND	0.002
LEAD ^c	mg/L Pb	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	ND	0.003
MANGANESE ^c	mg/L Mn	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	ND	0.002
NICKEL ^c	mg/L Ni	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	ND	0.005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			MWLS3G-1 T22A5709-0001	4.23	
POTASSIUM ^c	mg/L K	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	ND	0.005
SELENIUM ^c	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	ND	0.0005
TOTAL CHROMIUM ^c	mg/L Cr	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	ND	0.005
TOTAL MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE-TP-HEM-002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	< LOQ	< LOQ	0.0001
ZINC ^c	mg/L Zn	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	ND	0.003
SODIUM ^c	mg/L Na	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	130	130	0.005
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT					
			YELLOW/CLEAR YELLOW		

a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (OSS)
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.
ND : NON-DETECTABLE.
< LOQ : LIMIT OF QUANTITATION (TOTAL MERCURY ≥ 0.0001 AND < 0.0005 mg/L).

Bruchon
(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

OCTOBER 5, 2022

2022-U078108

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakai@pruek@poesiam.com
SAMPLE SOURCE : MWL53G-3 (UTM WGS 84 ZONE 47F 601186E 1550854N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : SEPTEMBER 20, 2022
SAMPLING TIME : 10:55 HOUR
SAMPLING METHOD : SUBMERISABLE PUMP
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : SEPTEMBER 21, 2022
ANALYTICAL DATE : SEPTEMBER 21 - OCTOBER 1, 2022
REPORT NO. : 2022-U078109
WORK NO. : 2022-006175
ANALYSIS NO. : T22A5709-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			MWLS3G-3 T22A5709-0002	7.0 (30°C)	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	30		-
TEMPERATURE ^c	°C	THERMOMETER AT SITE (SM: 2550 B)	0.6		0.1
SALINITY ^c	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2520 B)	1,237 (30°C)		0.1
ELECTRICAL CONDUCTIVITY ^c	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	684		25
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	140		2.0
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	20.6		0.3
SULPHATE ^c	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	ND		3
TOTAL PETROLEUM HYDROCARBONS ^c	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)			
METALS					
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0046		0.0003
BARIUM ^c	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.191		0.003
CADMIUM ^c	mg/L Cd	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND		0.002
CALCIUM ^c	mg/L Ca	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	48.3		0.005
COPPER ^c	mg/L Cu	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ		0.002
IRON ^c	mg/L Fe	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	3.02		0.005
LEAD ^c	mg/L Pb	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ		0.003
MANGANESE ^c	mg/L Mn	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.546		0.002
NICKEL ^c	mg/L Ni	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND		0.005

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			MWLS3G-3 T22A5709-0002	5.14	
POTASSIUM ^c	mg/L K	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND		0.0005
SELENIUM ^c	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	< LOQ		0.0005
TOTAL CHROMIUM ^c	mg/L Cr	IN-HOUSE METHOD: UAE-TP-GW-01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ		0.0001
TOTAL MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE-TP-HEM-002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: 3112 B	< LOQ		0.003
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	57.6		0.005
SODIUM ^c	mg/L Na	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)			
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.

ND : NON-DETECTABLE.
< LOQ : < LIMIT OF QUANTIFICATION (COPPER ≥ 0.002 AND < 0.025 mg/L LEAD ≥ 0.003 AND < 0.100 mg/L, TOTAL CHROMIUM ≥ 0.005 AND < 0.050 mg/L, TOTAL MERCURY ≥ 0.0001 AND < 0.0005 mg/L, ZINC ≥ 0.003 AND < 0.025 mg/L).


(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

OCTOBER 5, 2022

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น้ำจากกระบวนการผลิต



ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakairpruek@poesiam.com
SAMPLING SOURCE : L53-GPW1 (UTM WGS 84 ZONE 47P 0593238E 1464299N)
SAMPLE TYPE : PRODUCED WATER
SAMPLING DATE : SEPTEMBER 20, 2022
SAMPLING TIME : 09:55 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : SEPTEMBER 21, 2022
ANALYTICAL DATE : SEPTEMBER 21 - OCTOBER 1, 2022
REPORT NO. : 2022-U078121
WORK NO. : 2022-006175
ANALYSIS NO. : T22AS708-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GPW1 T22AS708-0001	DETECTION LIMIT
pH	-	ELECTROMETRIC METHOD (SM: 4500-H+ B)	8.0 (25°C)	-
TEMPERATURE	°C	THERMOMETER AT SITE (SM: 2550 B)	35	-
ELECTRICAL CONDUCTIVITY	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD (SM: 2510 B)	2020 (25°C)	0.1
SALINITY	ppt	ELECTRICAL CONDUCTIVITY METHOD (SM: 2520 B)	10	-
SUSPENDED SOLIDS	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	375	5.0
TOTAL DISSOLVED SOLIDS	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	1,382	25
TOTAL PETROLEUM HYDROCARBONS	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D AND 5520 F)	72	3
CHLORIDE	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl B)	22.0	2.0
SULPHATE	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	6.6	0.3
METALS				
ARSENIC	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0048	0.0003
SELENIUM	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	0.0005
CADMIUM	mg/L Cd	IN-HOUSE METHOD: UAE TP IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	0.002
COPPER	mg/L Cu	IN-HOUSE METHOD: UAE TP IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	0.005
LEAD	mg/L Pb	IN-HOUSE METHOD: UAE TP IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	0.015
IRON	mg/L Fe	IN-HOUSE METHOD: UAE TP IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	0.334	0.005
TOTAL CHROMIUM	mg/L Cr	IN-HOUSE METHOD: UAE TP IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	0.007
MANGANESE	mg/L Mn	IN-HOUSE METHOD: UAE TP IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	0.004
NICKEL	mg/L Ni	IN-HOUSE METHOD: UAE TP IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	0.005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GPW1 T22AS708-0001	DETECTION LIMIT
ZINC	mg/L Zn	IN-HOUSE METHOD: UAE TP IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	0.003
MERCURY	mg/L Hg	COLD VAPOUR AAS METHOD (SM: 3112 B)	ND	0.0005
BARIUM	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.140	0.005
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT				
			YELLOW/TURBID BROWN	

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.
ND : NON-DETECTABLE.
< LOQ : < LIMIT OF QUANTITATION (ZINC ≥ 0.003 AND < 0.050 mg/L).

Phudhok P.
(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

OCTOBER 5, 2022