

ภาคผนวก ง

ใบรับรองผลการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม  
ระหว่างเดือนมกราคม ถึงมิถุนายน พ.ศ.2568

ภาคผนวก ง.1

ใบรับรองผลการตรวจวัดคุณภาพอากาศในบรรยากาศ



## Meteorological Monitoring Results : Wind Rose

### MTR-PTTGC5

Location : Ban Numpang

Monitor period : 28 Apr 2025-05 May 2025

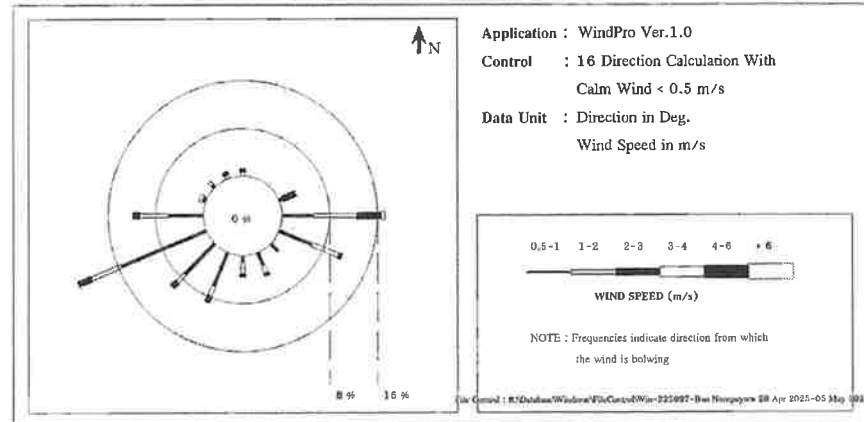
Wind Speed Model : Novalynx WS-25

Serial No : A4907

Wind Direction Model : Novalynx WS-25

Serial No : A4907

Direction	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.5-1 m/s	1-2 m/s	2-3 m/s	3-4 m/s	4-6 m/s	More than 6	
N	0.0000	0.0060	0.0060	0.0000	0.0000	0.0000	0.0119
NNE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ENE	0.0060	0.0000	0.0238	0.0000	0.0000	0.0000	0.0298
E	0.0536	0.0714	0.0417	0.0060	0.0000	0.0000	0.1726
ESE	0.0595	0.0476	0.0060	0.0000	0.0000	0.0000	0.1131
SE	0.0179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0179
SSE	0.0238	0.0119	0.0060	0.0000	0.0000	0.0000	0.0417
S	0.0119	0.0179	0.0060	0.0000	0.0000	0.0000	0.0357
SSW	0.0595	0.0179	0.0119	0.0000	0.0000	0.0000	0.0893
SW	0.0714	0.0179	0.0119	0.0000	0.0000	0.0000	0.1012
WSW	0.1548	0.0536	0.0238	0.0000	0.0000	0.0000	0.2321
W	0.0595	0.0476	0.0119	0.0000	0.0000	0.0000	0.1190
WNW	0.0000	0.0000	0.0060	0.0060	0.0000	0.0000	0.0119
NW	0.0060	0.0060	0.0000	0.0000	0.0000	0.0000	0.0119
NNW	0.0000	0.0060	0.0060	0.0000	0.0000	0.0000	0.0119
CALM	0.0000						



(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

Preeda S.  
(Miss Preeda Somjai)  
Technical Management Team



## Meteorological Monitoring Results : Wind Rose

### MTR-PTTGC5

Location : Ban Numpang

Monitor period : 28 Apr 2025-05 May 2025

Wind Speed Model : Novalynx WS-25

Serial No : A4907

Wind Direction Model : Novalynx WS-25

Serial No : A4907

Time	28-29 Apr 2025		29-30 Apr 2025		30 Apr-01 May 2025		01-02 May 2025	
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD
10:00 - 11:00	1.5	E	0.9	SW	1.8	E	2.7	SSE
11:00 - 12:00	1.7	S	0.8	WSW	2.9	WSW	1.2	W
12:00 - 13:00	1.0	SSW	0.9	SSW	0.7	SW	2.3	WNW
13:00 - 14:00	0.9	SSW	0.7	SSW	0.9	WSW	2.7	E
14:00 - 15:00	1.0	SSW	2.0	S	0.8	WSW	1.5	E
15:00 - 16:00	0.8	SW	2.3	SSW	0.8	WSW	2.5	E
16:00 - 17:00	2.4	N	1.0	SW	1.0	SSW	1.0	ESE
17:00 - 18:00	1.3	W	0.7	SW	0.9	WSW	0.8	SE
18:00 - 19:00	0.9	SSW	0.8	SW	0.9	WSW	1.0	SSE
19:00 - 20:00	0.7	SSW	0.8	W	0.7	WSW	0.9	SSE
20:00 - 21:00	1.0	W	0.8	SW	1.0	WSW	0.8	SSE
21:00 - 22:00	0.8	SSW	1.0	WSW	0.9	SW	0.7	SE
22:00 - 23:00	1.4	NW	0.8	SW	1.5	E	2.5	ENE
23:00 - 24:00	0.9	NW	1.0	W	0.7	ESE	1.0	E
00:00 - 01:00	1.0	NNW	1.1	E	0.8	E	2.6	E
01:00 - 02:00	1.4	WSW	0.9	SSE	1.1	E	1.0	ESE
02:00 - 03:00	0.9	SSW	1.0	ESE	0.8	E	0.9	ESE
03:00 - 04:00	0.8	SSW	2.6	SW	1.0	E	1.0	ESE
04:00 - 05:00	0.7	SW	0.7	SSW	0.7	ENE	0.8	ESE
05:00 - 06:00	0.9	WSW	0.9	W	0.7	E	0.9	E
06:00 - 07:00	0.9	S	2.2	NNW	1.3	ESE	0.9	E
07:00 - 08:00	3.0	WNW	1.0	N	2.8	ENE	0.7	SSE
08:00 - 09:00	2.6	SW	0.9	W	1.2	WSW	2.3	W
09:00 - 10:00	1.0	S	2.0	ESE	0.9	WSW	0.9	W

Wind Rose



(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

Preeda S.  
(Miss Preeda Somjai)  
Technical Management Team



## Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Numpayom

Monitor period : 28 Apr 2025-05 May 2025

Wind Speed Model : Novalynx WS-25

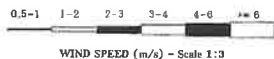
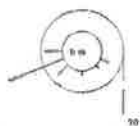
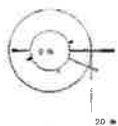
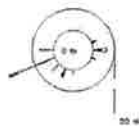
Serial No : A4907

Wind Direction Model : Novalynx WS-25

Serial No : A4907

Time	02-03 May 2025		03-04 May 2025		04-05 May 2025	
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD
10:00 - 11:00	1.4	S	2.9	W	1.0	WSW
11:00 - 12:00	0.9	W	2.5	ENE	1.4	W
12:00 - 13:00	2.3	ENE	2.7	E	1.6	W
13:00 - 14:00	2.7	SSW	1.0	SSE	1.0	WSW
14:00 - 15:00	0.8	W	2.8	E	0.9	S
15:00 - 16:00	3.0	E	2.4	E	1.0	W
16:00 - 17:00	2.8	WSW	0.8	E	1.0	WSW
17:00 - 18:00	0.7	WSW	0.9	E	0.8	W
18:00 - 19:00	1.0	WSW	0.9	E	0.7	WSW
19:00 - 20:00	0.7	WSW	1.0	E	0.8	WSW
20:00 - 21:00	0.7	SW	0.9	ESE	1.0	WSW
21:00 - 22:00	0.7	WSW	0.8	ESE	0.9	WSW
22:00 - 23:00	0.8	WSW	0.9	ESE	0.8	WSW
23:00 - 24:00	0.8	WSW	1.0	E	0.9	WSW
00:00 - 01:00	1.0	W	1.0	E	0.8	WSW
01:00 - 02:00	0.8	WSW	0.9	ESE	0.8	WSW
02:00 - 03:00	0.8	WSW	0.9	ESE	0.9	WSW
03:00 - 04:00	0.7	WSW	1.0	ESE	1.4	ESE
04:00 - 05:00	0.7	SSW	0.8	ESE	0.9	SE
05:00 - 06:00	2.7	E	1.0	E	1.0	ESE
06:00 - 07:00	0.8	E	2.6	WSW	1.1	SW
07:00 - 08:00	0.8	ESE	0.7	W	0.7	SW
08:00 - 09:00	2.1	WSW	0.7	W	0.9	SW
09:00 - 10:00	1.0	SW	0.8	W	0.7	WSW

Wind Rose



File Control \\DataBase\Windrose\FileControl\Win-225097-Ban Numpayom 28 Apr 2025-05 May 2025

(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

(Miss Preeda Somjai)  
Technical Management Team



## Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Bon

Monitor period : 28 Apr 2025-05 May 2025

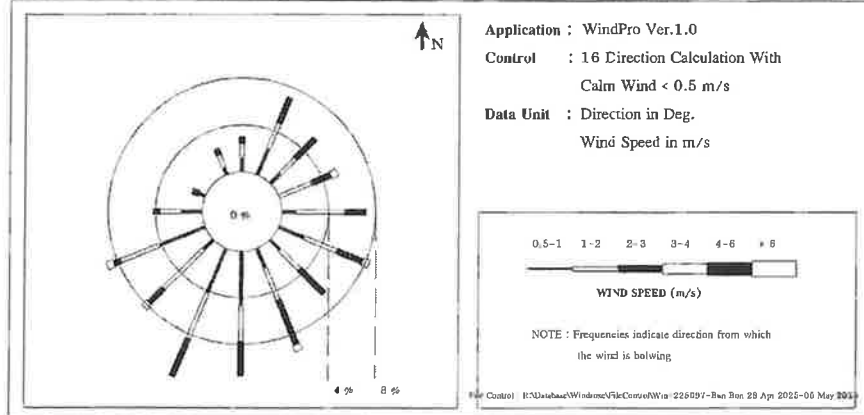
Wind Speed Model : Novalynx WS-25

Serial No : A5092

Wind Direction Model : Novalynx WS-25

Serial No : A5092

Direction	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						
	0.5-1 m/s	1-2 m/s	2-3 m/s	3-4 m/s	4-6 m/s	More than 6	Total
N	0.0119	0.0119	0.0060	0.0000	0.0000	0.0000	0.0298
NNE	0.0238	0.0238	0.0238	0.0000	0.0000	0.0000	0.0714
NE	0.0119	0.0179	0.0238	0.0000	0.0000	0.0000	0.0536
ENE	0.0000	0.0298	0.0179	0.0060	0.0000	0.0000	0.0536
E	0.0119	0.0417	0.0179	0.0000	0.0000	0.0000	0.0714
ESE	0.0238	0.0298	0.0238	0.0060	0.0000	0.0000	0.0833
SE	0.0119	0.0238	0.0298	0.0000	0.0000	0.0000	0.0655
SSE	0.0179	0.0298	0.0417	0.0060	0.0000	0.0000	0.0952
S	0.0476	0.0298	0.0298	0.0000	0.0000	0.0000	0.1071
SSW	0.0417	0.0417	0.0357	0.0000	0.0000	0.0000	0.1190
SW	0.0119	0.0476	0.0179	0.0060	0.0000	0.0000	0.0833
WSW	0.0417	0.0357	0.0060	0.0060	0.0000	0.0000	0.0893
W	0.0179	0.0179	0.0060	0.0000	0.0000	0.0000	0.0417
WNW	0.0060	0.0000	0.0060	0.0000	0.0000	0.0000	0.0119
NW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NNW	0.0060	0.0119	0.0060	0.0000	0.0000	0.0000	0.0238
CALM	0.0000						



(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

(Miss Preeda Somjai)  
Technical Management Team



Location : Ban Bon	Monitor period : 28 Apr 2025-05 May 2025
Wind Speed Model : Novalynx WS-25	Serial No : A5092
Wind Direction Model : Novalynx WS-25	Serial No : A5092

0.5-1 1-2 2-3 3-4 4-6  $\geq 6$

WIND SPEED (m/s) - Scale 1:3

File: C:\Program Files\Microsoft Windows\WinSxS\x-wwww-771001 - has been 28 Apr 2025 - 05 May 2025

Preeda J.  
(Miss Preeda Somjai)  
Technical Management Team

Location : Ban Bon	Monitor period : 28 Apr 2025-05 May 2025
Wind Speed Model : Novalynx WS-25	Serial No : A5092
Wind Direction Model : Novalynx WS-25	Serial No : A5092

0.5-1 1-2 2-3 3-4 4-6 > 6

WIND SPEED (m/s) - Scale 1:3

File Control: R:\Data\acc\Win\acc\FileControl\NWan-225097-Dan Dan 28 Apr 2025-05 May 2025

Preeda S.  
(Miss Preeda Sonjai)  
Technical Management Team



## Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Mabya

Monitor period : 28 Apr 2025-05 May 2025

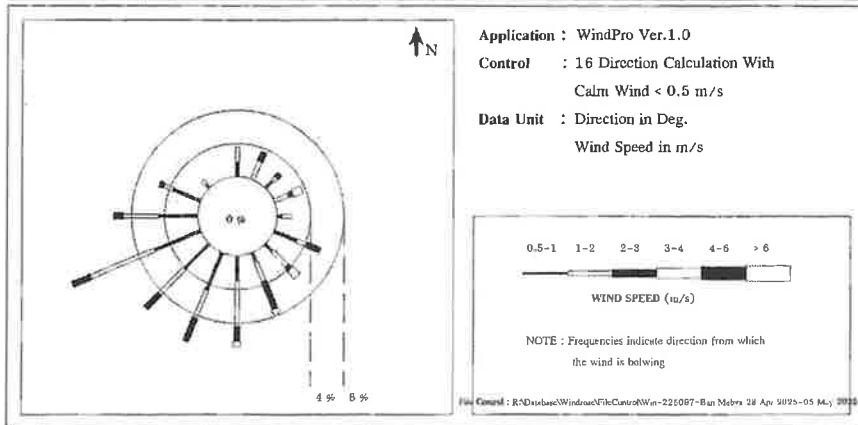
Wind Speed Model : Novalynx WS-25

Serial No : A4904

Wind Direction Model : Novalynx WS-25

Serial No : A4904

Direction	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						
	0.5-1 m/s	1-2 m/s	2-3 m/s	3-4 m/s	4-6 m/s	More than 6	Total
N	0.0179	0.0179	0.0000	0.0000	0.0000	0.0000	0.0357
NNE	0.0000	0.0238	0.0119	0.0000	0.0000	0.0000	0.0357
NE	0.0119	0.0060	0.0060	0.0000	0.0000	0.0000	0.0238
ENE	0.0000	0.0179	0.0060	0.0119	0.0000	0.0000	0.0357
E	0.0060	0.0119	0.0000	0.0000	0.0000	0.0000	0.0179
ESE	0.0298	0.0119	0.0179	0.0000	0.0000	0.0000	0.0595
SE	0.0119	0.0238	0.0060	0.0119	0.0000	0.0000	0.0536
SSE	0.0119	0.0238	0.0357	0.0060	0.0000	0.0000	0.0774
S	0.0298	0.0536	0.0179	0.0060	0.0000	0.0000	0.1071
SSW	0.0476	0.0357	0.0298	0.0000	0.0000	0.0000	0.1131
SW	0.0417	0.0417	0.0238	0.0000	0.0000	0.0000	0.1071
WSW	0.0595	0.0833	0.0238	0.0000	0.0000	0.0000	0.1667
W	0.0476	0.0417	0.0119	0.0000	0.0000	0.0000	0.1012
WNW	0.0357	0.0119	0.0060	0.0000	0.0000	0.0000	0.0536
NW	0.0060	0.0060	0.0000	0.0000	0.0000	0.0000	0.0119
NNW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CALM	0.0000						



(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

Preeda S.  
(Miss Preeda Somjai)  
Technical Management Team



## Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Mabya

Monitor period : 28 Apr 2025-05 May 2025

Wind Speed Model : Novalynx WS-25

Serial No : A4904

Wind Direction Model : Novalynx WS-25

Serial No : A4904

Time	28-29 Apr 2025		29-30 Apr 2025		30 Apr-01 May 2025		01-02 May 2025	
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD
09:00 - 10:00	1.0	SE	0.7	WSW	0.6	WSW	1.8	SW
10:00 - 11:00	2.3	SW	1.0	WSW	1.7	WSW	2.1	WSW
11:00 - 12:00	2.1	WSW	1.2	WSW	1.2	WNW	2.0	SSW
12:00 - 13:00	1.0	WSW	0.9	W	0.7	WNW	1.6	SSW
13:00 - 14:00	1.0	WSW	2.1	SSE	0.8	N	0.9	SW
14:00 - 15:00	0.5	W	1.5	SSW	0.8	N	1.0	S
15:00 - 16:00	1.4	W	1.0	SW	0.8	N	2.6	SW
16:00 - 17:00	2.3	W	1.0	SW	0.6	WNW	1.0	S
17:00 - 18:00	0.8	W	0.7	SSW	2.6	W	0.9	S
18:00 - 19:00	1.0	WSW	0.7	SW	0.7	WSW	2.3	SSE
19:00 - 20:00	1.0	WSW	1.0	SSW	1.0	WSW	1.5	S
20:00 - 21:00	0.8	WSW	0.7	WSW	1.0	WSW	0.8	SSW
21:00 - 22:00	1.1	N	0.7	SW	1.0	WSW	0.8	SSW
22:00 - 23:00	0.7	WNW	0.8	SW	1.1	NW	0.8	SSW
23:00 - 24:00	0.9	WNW	3.7	SE	0.7	WNW	1.0	SSW
00:00 - 01:00	1.1	W	0.9	ESE	0.7	WNW	1.3	S
01:00 - 02:00	1.0	WSW	1.0	S	0.7	W	0.9	S
02:00 - 03:00	1.0	WSW	2.9	S	1.6	W	2.8	SSW
03:00 - 04:00	1.0	WSW	0.8	SSW	0.9	WSW	0.8	SSW
04:00 - 05:00	1.0	W	0.9	SSW	1.2	WSW	0.9	SW
05:00 - 06:00	0.9	WSW	1.7	W	0.8	W	2.9	WNW
06:00 - 07:00	1.2	WNW	0.8	W	2.0	SE	0.9	SE
07:00 - 08:00	2.4	SW	0.9	NW	0.5	SW	0.7	S
08:00 - 09:00	3.1	S	1.7	S	0.8	SW	2.0	SSE



File Control : R:\Data\hwa\Windrose\FileControl\Win-225097-Ban Mabya 28 Apr 2025-05 May 2025

(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

Preeda S.  
(Miss Preeda Somjai)  
Technical Management Team

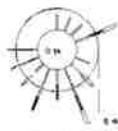
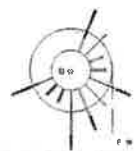


## Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Mabya Monitor period : 28 Apr 2025-05 May 2025  
Wind Speed Model : Novalynx WS-25 Serial No : A4904  
Wind Direction Model : Novalynx WS-25 Serial No : A4904

Time	02-03 May 2025		03-04 May 2025		04-05 May 2025	
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD
09:00 - 10:00	1.2	SSE	1.9	SSE	1.7	SW
10:00 - 11:00	2.1	WSW	1.7	N	1.6	N
11:00 - 12:00	1.8	SSE	2.1	ESE	1.0	NNE
12:00 - 13:00	0.8	ESE	0.9	ESE	3.0	SE
13:00 - 14:00	0.8	S	1.0	ESE	2.5	ENE
14:00 - 15:00	0.8	SE	0.8	SSE	3.0	SSE
15:00 - 16:00	2.5	NNE	1.0	SE	3.0	ENE
16:00 - 17:00	1.6	E	1.4	SW	2.1	S
17:00 - 18:00	2.5	SW	1.5	E	0.8	SSE
18:00 - 19:00	2.8	ESE	2.5	SSW	1.1	NE
19:00 - 20:00	0.9	S	1.2	ENE	1.1	SE
20:00 - 21:00	2.4	S	2.1	SSE	1.3	SW
21:00 - 22:00	1.8	NNE	1.5	SW	1.5	ENE
22:00 - 23:00	2.9	SSE	1.1	S	2.9	SSE
23:00 - 24:00	1.0	SE	1.7	NNE	2.4	SSW
00:00 - 01:00	0.9	ESE	1.7	ESE	0.9	W
01:00 - 02:00	1.4	ENE	1.2	W	0.9	WSW
02:00 - 03:00	2.4	SSW	2.1	NE	0.9	W
03:00 - 04:00	0.7	WSW	1.7	W	1.6	S
04:00 - 05:00	1.9	S	1.9	NNE	1.0	SSE
05:00 - 06:00	2.9	NNE	1.9	SSW	0.8	ESE
06:00 - 07:00	0.9	NE	3.0	ENE	1.6	SSW
07:00 - 08:00	0.8	NE	0.9	E	0.9	WSW
08:00 - 09:00	2.3	WSW	2.3	ESE	0.7	SSW

Wind Rose



File Control : RND\\labsec\\Windrose\\File Center\\Win-225097-Ban Mabya 28 Apr 2025-05 May 2025

(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

(Miss Preeda Somjai)  
Technical Management Team



## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

Lot ID: 24145660  
Date Received : Jan 17, 2025  
Date Reported : Jan 24, 2025  
Report Number : 3206008-1

P/O :  
Project Name : EIA Monitor  
Project Location :

Page 1 of 2

Sample Number : 24145660-3  
Parameter : Wind Speed / Wind Direction  
Location : PTTGC (พิกัด 47P 0735154 E, 1410700 N)  
Sampling Date : Jan 16 - Jan 17, 2025  
Sampling by : Natthawut Duangpang

Time	Jan 16 - Jan 17, 2025																	
	WS (m/s)	WD (deg)																
10:00 AM - 11:00 AM	1.5	359.0	N															
11:00 AM - 12:00 PM	2.8	42.0	NE															
12:00 PM - 01:00 PM	2.5	1.0	N															
01:00 PM - 02:00 PM	0.4	359.0	N															
02:00 PM - 03:00 PM	0.7	83.0	E															
03:00 PM - 04:00 PM	2.5	201.0	SSW															
04:00 PM - 05:00 PM	0.4	136.0	SE															
05:00 PM - 06:00 PM	0.0																	
06:00 PM - 07:00 PM	0.0																	
07:00 PM - 08:00 PM	0.0																	
08:00 PM - 09:00 PM	1.0	0.0	N															
09:00 PM - 10:00 PM	0.8	20.0	NNE															
10:00 PM - 11:00 PM	1.3	48.0	NE															
11:00 PM - 12:00 AM	3.8	42.0	NE															
12:00 AM - 01:00 AM	0.9	359.0	N															
01:00 AM - 02:00 AM	3.1	24.0	NNE															
02:00 AM - 03:00 AM	3.3	44.0	NE															
03:00 AM - 04:00 AM	0.8	0.0	N															
04:00 AM - 05:00 AM	2.1	45.0	NE															
05:00 AM - 06:00 AM	2.7	60.0	ENE															
06:00 AM - 07:00 AM	3.0	27.0	NNE															
07:00 AM - 08:00 AM	2.0	8.0	N															
08:00 AM - 09:00 AM	0.7	111.0	ESE															
09:00 AM - 10:00 AM	0.6	112.0	ESE															

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jitranont  
Assistant General Manager

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

Lot ID: 253558  
Date Received :Feb 05, 2025  
Date Reported :Feb 07, 2025  
Report Number :3211532-1

P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Sample Number 253558-3  
Parameter Wind Speed / Wind Direction  
Location PTTGC (พิกัด 47P 0735154 E, 1410700 N)  
Sampling Date Feb 04 - Feb 05, 2025  
Sampling by Prasanmit Kueanpet

Page 1 of 2

Time	Feb 04 - Feb 05, 2025															
	WS (m/s)	WD (deg)														
09:00 AM - 10:00 AM	1.9	153.0	SSE													
10:00 AM - 11:00 AM	0.9	79.0	E													
11:00 AM - 12:00 PM	0.4	234.0	SW													
12:00 PM - 01:00 PM	2.0	226.0	SW													
01:00 PM - 02:00 PM	0.9	268.0	W													
02:00 PM - 03:00 PM	0.7	255.0	WSW													
03:00 PM - 04:00 PM	1.2	171.0	S													
04:00 PM - 05:00 PM	0.6	3.0	N													
05:00 PM - 06:00 PM	0.5	284.0	WNW													
06:00 PM - 07:00 PM	0.6	236.0	SW													
07:00 PM - 08:00 PM	0.6	359.0	N													
08:00 PM - 09:00 PM	0.0															
09:00 PM - 10:00 PM	0.6	319.0	NW													
10:00 PM - 11:00 PM	0.6	42.0	NE													
11:00 PM - 12:00 AM	0.5	318.0	NW													
12:00 AM - 01:00 AM	0.0															
01:00 AM - 02:00 AM	0.2															
02:00 AM - 03:00 AM	0.7	43.0	NE													
03:00 AM - 04:00 AM	0.0															
04:00 AM - 05:00 AM	0.4	42.0	NE													
05:00 AM - 06:00 AM	2.5	55.0	NE													
06:00 AM - 07:00 AM	1.6	54.0	NE													
07:00 AM - 08:00 AM	1.4	80.0	E													
08:00 AM - 09:00 AM	1.2	64.0	ENE													

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method



## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

Lot ID: 2518687  
Date Received :Mar 12, 2025  
Date Reported :Mar 18, 2025  
Report Number :3244023-1

P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Sample Number 2518687-3  
Parameter Wind Speed / Wind Direction  
Location PTTGC (พิกัด 47P 0735154 E, 1410700 N)  
Sampling Date Mar 11 - Mar 12, 2025  
Sampling by Prasanmit Kueanpet

Page 1 of 2

Time	Mar 11 - Mar 12, 2025															
	WS (m/s)	WD (deg)														
11:00 AM - 12:00 PM	1.0	280.0	W													
12:00 PM - 01:00 PM	0.4	233.0	SW													
01:00 PM - 02:00 PM	0.3	274.0	W													
02:00 PM - 03:00 PM	0.6	273.0	W													
03:00 PM - 04:00 PM	3.7	251.0	WSW													
04:00 PM - 05:00 PM	0.0															
05:00 PM - 06:00 PM	0.0															
06:00 PM - 07:00 PM	0.1															
07:00 PM - 08:00 PM	1.1	268.0	W													
08:00 PM - 09:00 PM	2.5	146.0	SE													
09:00 PM - 10:00 PM	0.0															
10:00 PM - 11:00 PM	0.0															
11:00 PM - 12:00 AM	0.4	73.0	ENE													
12:00 AM - 01:00 AM	0.0															
01:00 AM - 02:00 AM	0.6	353.0	N													
02:00 AM - 03:00 AM	0.0															
03:00 AM - 04:00 AM	0.0															
04:00 AM - 05:00 AM	0.0															
05:00 AM - 06:00 AM	0.0															
06:00 AM - 07:00 AM	0.5	205.0	SSW													
07:00 AM - 08:00 AM	1.3	233.0	SW													
08:00 AM - 09:00 AM	1.2	245.0	WSW													
09:00 AM - 10:00 AM	2.0	235.0	SW													
10:00 AM - 11:00 AM	0.8	242.0	WSW													

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jitranont  
Assistant General Manager

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

Lot ID: 2522385  
Date Received : Apr 02, 2025  
Date Reported : Apr 08, 2025  
Report Number : 3252007-1

P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Page 1 of 2

Sample Number : 2522385-3  
Parameter : Wind Speed / Wind Direction  
Location : PTTGC (สี่แยก 47P 0735154 E, 1410700 N)  
Sampling Date : Apr 01 - Apr 02, 2025  
Sampling by : Prasannit Kueanpet

Time	Apr 01 - Apr 02, 2025																	
	WS (m/s)	WD (deg)																
09:00 AM - 10:00 AM	1.2	65.0	ENE															
10:00 AM - 11:00 AM	1.5	35.0	N															
11:00 AM - 12:00 PM	2.0	279.0	W															
12:00 PM - 01:00 PM	0.5	278.0	W															
01:00 PM - 02:00 PM	3.3	199.0	SSW															
02:00 PM - 03:00 PM	0.4	209.0	SSW															
03:00 PM - 04:00 PM	2.1	201.0	SSW															
04:00 PM - 05:00 PM	0.3	242.0	WSW															
05:00 PM - 06:00 PM	0.3	205.0	SSW															
06:00 PM - 07:00 PM	0.1	-	-															
07:00 PM - 08:00 PM	0.1	-	-															
08:00 PM - 09:00 PM	0.1	-	-															
09:00 PM - 10:00 PM	0.8	359.0	N															
10:00 PM - 11:00 PM	0.4	4.0	N															
11:00 PM - 12:00 AM	0.3	323.0	NW															
12:00 AM - 01:00 AM	0.0	-	-															
01:00 AM - 02:00 AM	1.3	359.0	N															
02:00 AM - 03:00 AM	0.0	-	-															
03:00 AM - 04:00 AM	1.0	7.0	N															
04:00 AM - 05:00 AM	1.6	359.0	N															
05:00 AM - 06:00 AM	0.3	5.0	N															
06:00 AM - 07:00 AM	0.2	-	-															
07:00 AM - 08:00 AM	0.2	-	-															
08:00 AM - 09:00 AM	0.3	355.0	N															

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

Lot ID: 2537392  
Date Received : May 07, 2025  
Date Reported : May 15, 2025  
Report Number : 3287548-1

P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Page 1 of 2

Sample Number : 2537392-3  
Parameter : Wind Speed / Wind Direction  
Location : PTTGC (สี่แยก 47P 0735154 E, 1410700 N)  
Sampling Date : May 06 - May 07, 2025  
Sampling by : Prasannit Kueanpet

Time	May 06 - May 07, 2025																	
	WS (m/s)	WD (deg)																
10:00 AM - 11:00 AM	2.4	106.0	ESE															
11:00 AM - 12:00 PM	3.3	142.0	SE															
12:00 PM - 01:00 PM	1.6	204.0	SSW															
01:00 PM - 02:00 PM	1.0	207.0	SSW															
02:00 PM - 03:00 PM	0.8	150.0	SSE															
03:00 PM - 04:00 PM	2.3	110.0	ESE															
04:00 PM - 05:00 PM	2.6	245.0	WSW															
05:00 PM - 06:00 PM	2.2	132.0	SE															
06:00 PM - 07:00 PM	2.3	159.0	SSE															
07:00 PM - 08:00 PM	3.1	107.0	ESE															
08:00 PM - 09:00 PM	2.0	164.0	SSE															
09:00 PM - 10:00 PM	1.6	117.0	ESE															
10:00 PM - 11:00 PM	3.3	138.0	SE															
11:00 PM - 12:00 AM	4.0	146.0	SE															
12:00 AM - 01:00 AM	3.0	123.0	ESE															
01:00 AM - 02:00 AM	0.3	250.0	WSW															
02:00 AM - 03:00 AM	0.0	-	-															
03:00 AM - 04:00 AM	1.2	355.0	N															
04:00 AM - 05:00 AM	0.6	319.0	NW															
05:00 AM - 06:00 AM	1.0	169.0	S															
06:00 AM - 07:00 AM	3.1	147.0	SSE															
07:00 AM - 08:00 AM	4.0	112.0	ESE															
08:00 AM - 09:00 AM	2.6	118.0	ESE															
09:00 AM - 10:00 AM	1.6	200.0	SSW															

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Assistant General Manager

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong, Rayong  
Thailand 21150

P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542707  
Date Received :Jun 05, 2025  
Date Reported :Jun 12, 2025  
Report Number :3299428-1

Sample Number 2542707-3  
Parameter Wind Speed / Wind Direction  
Location PTTGC (พื้นที่ 47P 0735154 E, 1410700 N)  
Sampling Date Jun 04 - Jun 05, 2025  
Sampling by Prasanmit Kueanpet

Page 1 of 2

Time	Jun 04 - Jun 05, 2025															
	WS (m/s)	WD (deg)														
09:00 AM - 10:00 AM	2.4	332.0	NNW													
10:00 AM - 11:00 AM	2.6	290.0	WNW													
11:00 AM - 12:00 PM	2.2	215.0	SW													
12:00 PM - 01:00 PM	3.3	157.0	SSE													
01:00 PM - 02:00 PM	1.5	316.0	NW													
02:00 PM - 03:00 PM	0.4	266.0	W													
03:00 PM - 04:00 PM	0.4	238.0	WSW													
04:00 PM - 05:00 PM	0.2															
05:00 PM - 06:00 PM	0.3	273.0	W													
06:00 PM - 07:00 PM	0.7	290.0	WNW													
07:00 PM - 08:00 PM	0.2															
08:00 PM - 09:00 PM	0.6	277.0	W													
09:00 PM - 10:00 PM	0.4	287.0	WNW													
10:00 PM - 11:00 PM	0.4	7.0	N													
11:00 PM - 12:00 AM	0.6	3.0	N													
12:00 AM - 01:00 AM	0.3	280.0	W													
01:00 AM - 02:00 AM	0.4	358.0	N													
02:00 AM - 03:00 AM	0.9	8.0	N													
03:00 AM - 04:00 AM	0.1															
04:00 AM - 05:00 AM	0.8	345.0	NNW													
05:00 AM - 06:00 AM	0.5	339.0	NNW													
06:00 AM - 07:00 AM	0.4	304.0	NW													
07:00 AM - 08:00 AM	1.0	295.0	WNW													
08:00 AM - 09:00 AM	0.9	277.0	W													

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method



## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O :  
Project Name : EIA Monitor  
Project Location :

Lot ID: 24145654  
Date Received :Jan 17, 2025  
Date Reported :Jan 24, 2025  
Report Number :3205955-1

Sample Number 24145654-1  
Parameter Wind Speed / Wind Direction  
Location ชุมชนเนินพยอม (หมู่บ้านพยอม) (พื้นที่ 47P 0736529 E, 1411273 N)  
Sampling Date Jan 16 - Jan 17, 2025  
Sampling by Natthawut Duangpang

Page 1 of 2

Time	Jan 16 - Jan 17, 2025															
	WS (m/s)	WD (deg)														
10:00 AM - 11:00 AM	1.0	95.0	E													
11:00 AM - 12:00 PM	1.9	45.0	NE													
12:00 PM - 01:00 PM	0.7	22.0	NNE													
01:00 PM - 02:00 PM	1.7	26.0	NNE													
02:00 PM - 03:00 PM	0.4	294.0	WNW													
03:00 PM - 04:00 PM	2.8	198.0	SSW													
04:00 PM - 05:00 PM	1.0	233.0	SW													
05:00 PM - 06:00 PM	0.0															
06:00 PM - 07:00 PM	0.2															
07:00 PM - 08:00 PM	0.4	37.0	NE													
08:00 PM - 09:00 PM	0.4	69.0	ENE													
09:00 PM - 10:00 PM	0.3	56.0	NE													
10:00 PM - 11:00 PM	0.5	34.0	NE													
11:00 PM - 12:00 AM	0.1															
12:00 AM - 01:00 AM	0.8	34.0	NE													
01:00 AM - 02:00 AM	0.7	47.0	NE													
02:00 AM - 03:00 AM	1.0	37.0	NE													
03:00 AM - 04:00 AM	0.5	51.0	NE													
04:00 AM - 05:00 AM	1.9	46.0	NE													
05:00 AM - 06:00 AM	0.8	24.0	NNE													
06:00 AM - 07:00 AM	0.3	60.0	ENE													
07:00 AM - 08:00 AM	3.3	73.0	ENE													
08:00 AM - 09:00 AM	0.9	88.0	E													
09:00 AM - 10:00 AM	1.8	69.0	ENE													

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jitranont  
Assistant General Manager

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

Lot ID: 253554  
Date Received :Feb 05, 2025  
Date Reported :Feb 07, 2025  
Report Number :3211528-1

P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Sample Number 253554-1  
Parameter Wind Speed / Wind Direction  
Location ชุมชนเนินพยอม (หมู่บ้านพทก) (พิกัด 47P 0736529 E, 1411273 N)  
Sampling Date Feb 04 - Feb 05, 2025  
Sampling by Prasannit Kueanpet

Page 1 of 2

Time	Feb 04 - Feb 05, 2025																	
	WS (m/s)	WD (deg)																
10:00 AM - 11:00 AM	1.5	25.0	NNE															
11:00 AM - 12:00 PM	0.4	169.0	S															
12:00 PM - 01:00 PM	2.0	175.0	S															
01:00 PM - 02:00 PM	0.5	200.0	SSW															
02:00 PM - 03:00 PM	4.3	168.0	SSE															
03:00 PM - 04:00 PM	1.8	191.0	S															
04:00 PM - 05:00 PM	2.0	167.0	SSE															
05:00 PM - 06:00 PM	1.7	172.0	S															
06:00 PM - 07:00 PM	0.0																	
07:00 PM - 08:00 PM	0.5	320.0	NW															
08:00 PM - 09:00 PM	0.0																	
09:00 PM - 10:00 PM	0.0																	
10:00 PM - 11:00 PM	0.0																	
11:00 PM - 12:00 AM	0.0																	
12:00 AM - 01:00 AM	0.0																	
01:00 AM - 02:00 AM	0.0																	
02:00 AM - 03:00 AM	0.0																	
03:00 AM - 04:00 AM	0.0																	
04:00 AM - 05:00 AM	0.0																	
05:00 AM - 06:00 AM	0.0																	
06:00 AM - 07:00 AM	0.3	0.0	N															
07:00 AM - 08:00 AM	1.1	8.0	N															
08:00 AM - 09:00 AM	1.0	12.0	NNE															
09:00 AM - 10:00 AM	0.8	24.0	NNE															

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

Lot ID: 2518563  
Date Received :Mar 12, 2025  
Date Reported :Mar 18, 2025  
Report Number :3243917-1

P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Sample Number 2518563-1  
Parameter Wind Speed / Wind Direction  
Location ชุมชนเนินพยอม (หมู่บ้านพทก) (พิกัด 47P 0736529 E, 1411273 N)  
Sampling Date Mar 11 - Mar 12, 2025  
Sampling by Prasannit Kueanpet

Page 1 of 2

Time	Mar 11 - Mar 12, 2025																	
	WS (m/s)	WD (deg)																
09:00 AM - 10:00 AM	0.0																	
10:00 AM - 11:00 AM	2.2	171.0	S															
11:00 AM - 12:00 PM	0.0																	
12:00 PM - 01:00 PM	2.4	153.0	SSE															
01:00 PM - 02:00 PM	1.6	159.0	SSE															
02:00 PM - 03:00 PM	2.9	187.0	S															
03:00 PM - 04:00 PM	0.0																	
04:00 PM - 05:00 PM	0.0																	
05:00 PM - 06:00 PM	1.6	191.0	S															
06:00 PM - 07:00 PM	0.0																	
07:00 PM - 08:00 PM	0.0																	
08:00 PM - 09:00 PM	0.0																	
09:00 PM - 10:00 PM	0.0																	
10:00 PM - 11:00 PM	0.0																	
11:00 PM - 12:00 AM	0.0																	
12:00 AM - 01:00 AM	0.0																	
01:00 AM - 02:00 AM	0.0																	
02:00 AM - 03:00 AM	0.0																	
03:00 AM - 04:00 AM	0.0																	
04:00 AM - 05:00 AM	0.0																	
05:00 AM - 06:00 AM	0.0																	
06:00 AM - 07:00 AM	0.0																	
07:00 AM - 08:00 AM	2.0	200.0	SSW															
08:00 AM - 09:00 AM	1.8	214.0	SW															

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522302

Date Received :Apr 02, 2025

Date Reported :Apr 08, 2025

Report Number :3251898-1

Sample Number 2522302-1  
Parameter Wind Speed / Wind Direction  
Location กรุงเทพมหานคร (พิกัด 47P 0736529 E, 1411273 N)  
Sampling Date Apr 01 - Apr 02, 2025  
Sampling by Prasannit Kueanpet

Time	Apr 01 - Apr 02, 2025																	
	WS (m/s)	WD (deg)																
10:00 AM - 11:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.5	119.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.2	180.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.1	313.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.5	227.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.5	208.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.6	204.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	2.2	322.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	2.0	233.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.3	93.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.5	283.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	2.2	11.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.3	11.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.5	22.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.5	13.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.2	344.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.5	22.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.5	7.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.8	17.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.6	305.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.1	300.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.8	305.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537387

Date Received :May 07, 2025

Date Reported :May 15, 2025

Report Number :3287545-1

Sample Number 2537387-1  
Parameter Wind Speed / Wind Direction  
Location กรุงเทพมหานคร (พิกัด 47P 0736529 E, 1411273 N)  
Sampling Date May 06 - May 07, 2025  
Sampling by Prasannit Kueanpet

Time	May 06 - May 07, 2025																	
	WS (m/s)	WD (deg)																
11:00 AM - 12:00 PM	2.0	207.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.5	150.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.0	213.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.8	171.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.6	228.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.4	167.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	2.3	181.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	1.5	190.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	1.0	189.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.7	188.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.9	205.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.9	200.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.7	207.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.8	201.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.2	185.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.6	203.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong, Rayong  
Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542703

Date Received : Jun 05, 2025

Date Reported : Jun 12, 2025

Report Number : 3299420-1

Page 1 of 2

Sample Number 2542703-1

Parameter Wind Speed / Wind Direction

Location ทุ่งนาเดิมหนอง (หมู่บ้านหนอง) (พิกัด 47P 0736529 E, 1411273 N)

Sampling Date Jun 04 - Jun 05, 2025

Sampling by Prasarnmit Kueanpet

Time	Jun 04 - Jun 05, 2025															
	WS (m/s)	WD (deg)														
10:00 AM - 11:00 AM	0.8	331.0	NNW													
11:00 AM - 12:00 PM	1.1	312.0	NW													
12:00 PM - 01:00 PM	1.9	211.0	SSW													
01:00 PM - 02:00 PM	1.0	202.0	SSW													
02:00 PM - 03:00 PM	0.7	211.0	SSW													
03:00 PM - 04:00 PM	0.6	240.0	WSW													
04:00 PM - 05:00 PM	2.3	248.0	WSW													
05:00 PM - 06:00 PM	1.8	201.0	SSW													
06:00 PM - 07:00 PM	3.4	213.0	SSW													
07:00 PM - 08:00 PM	1.6	207.0	SSW													
08:00 PM - 09:00 PM	5.5	307.0	NW													
09:00 PM - 10:00 PM	1.2	205.0	SSW													
10:00 PM - 11:00 PM	0.5	158.0	SSE													
11:00 PM - 12:00 AM	0.3	182.0	S													
12:00 AM - 01:00 AM	0.3	61.0	ENE													
01:00 AM - 02:00 AM	1.1	57.0	ENE													
02:00 AM - 03:00 AM	1.5	52.0	NE													
03:00 AM - 04:00 AM	1.6	52.0	NE													
04:00 AM - 05:00 AM	2.4	354.0	N													
05:00 AM - 06:00 AM	3.3	52.0	NE													
06:00 AM - 07:00 AM	2.9	59.0	ENE													
07:00 AM - 08:00 AM	3.8	230.0	SW													
08:00 AM - 09:00 AM	2.7	152.0	SSE													
09:00 AM - 10:00 AM	1.4	144.0	SE													

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O :

Project Name : EIA Monitor

Project Location :

Lot ID: 24145651

Date Received : Jan 17, 2025

Date Reported : Jan 24, 2025

Report Number : 3205952-1

Page 1 of 2

Sample Number 24145651-1

Parameter Wind Speed / Wind Direction

Location ทุ่งนาเดิมหนอง (พิกัด 47P 0735259 E, 1408966 N)

Sampling Date Jan 16 - Jan 17, 2025

Sampling by Natthawut Duangpang

Time	Jan 16 - Jan 17, 2025															
	WS (m/s)	WD (deg)														
10:00 AM - 11:00 AM	1.2	50.0	NE													
11:00 AM - 12:00 PM	2.0	31.0	NNE													
12:00 PM - 01:00 PM	2.1	47.0	NE													
01:00 PM - 02:00 PM	1.1	119.0	ESE													
02:00 PM - 03:00 PM	2.7	218.0	SW													
03:00 PM - 04:00 PM	1.5	216.0	SW													
04:00 PM - 05:00 PM	0.0															
05:00 PM - 06:00 PM	0.0															
06:00 PM - 07:00 PM	0.0															
07:00 PM - 08:00 PM	0.0															
08:00 PM - 09:00 PM	0.0															
09:00 PM - 10:00 PM	0.2															
10:00 PM - 11:00 PM	0.5	35.0	NE													
11:00 PM - 12:00 AM	1.2	90.0	E													
12:00 AM - 01:00 AM	0.0															
01:00 AM - 02:00 AM	0.5	75.0	ENE													
02:00 AM - 03:00 AM	0.2															
03:00 AM - 04:00 AM	1.3	29.0	NNE													
04:00 AM - 05:00 AM	1.7	46.0	NE													
05:00 AM - 06:00 AM	1.4	41.0	NE													
06:00 AM - 07:00 AM	1.0	60.0	ENE													
07:00 AM - 08:00 AM	2.3	84.0	E													
08:00 AM - 09:00 AM	2.4	79.0	E													
09:00 AM - 10:00 AM	0.9	63.0	ENE													

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253553

Date Received :Feb 05, 2025

Date Reported :Feb 07, 2025

Report Number :3211519-1

Sample Number 253553-1  
Parameter Wind Speed / Wind Direction  
Location ชุมชนบ้านนา (ทิศ 47P 0735259 E, 1408966 N)  
Sampling Date Feb 04 - Feb 05, 2025  
Sampling by Prasanmit Kueanpet

Time	Feb 04 - Feb 05, 2025																	
	WS (m/s)	WD (deg)																
10:00 AM - 11:00 AM	0.8	136.0	SE															
11:00 AM - 12:00 PM	2.0	249.0	WSW															
12:00 PM - 01:00 PM	2.2	219.0	SW															
01:00 PM - 02:00 PM	0.7	238.0	WSW															
02:00 PM - 03:00 PM	1.3	235.0	SW															
03:00 PM - 04:00 PM	2.2	268.0	W															
04:00 PM - 05:00 PM	1.4	285.0	WNW															
05:00 PM - 06:00 PM	1.3	258.0	WSW															
06:00 PM - 07:00 PM	0.6	325.0	NW															
07:00 PM - 08:00 PM	0.4	310.0	NW															
08:00 PM - 09:00 PM	0.0	-	-															
09:00 PM - 10:00 PM	0.0	-	-															
10:00 PM - 11:00 PM	0.0	-	-															
11:00 PM - 12:00 AM	1.8	222.0	SW															
12:00 AM - 01:00 AM	0.0	-	-															
01:00 AM - 02:00 AM	0.2	-	-															
02:00 AM - 03:00 AM	0.0	-	-															
03:00 AM - 04:00 AM	0.0	-	-															
04:00 AM - 05:00 AM	0.0	-	-															
05:00 AM - 06:00 AM	0.0	-	-															
06:00 AM - 07:00 AM	0.6	87.0	E															
07:00 AM - 08:00 AM	0.8	41.0	NE															
08:00 AM - 09:00 AM	0.4	50.0	NE															
09:00 AM - 10:00 AM	0.2	-	-															

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518517

Date Received :Mar 12, 2025

Date Reported :Mar 18, 2025

Report Number :3243899-1

Sample Number 2518517-1  
Parameter Wind Speed / Wind Direction  
Location ชุมชนบ้านนา (ทิศ 47P 0735259 E, 1408966 N)  
Sampling Date Mar 11 - Mar 12, 2025  
Sampling by Prasanmit Kueanpet

Time	Mar 11 - Mar 12, 2025																	
	WS (m/s)	WD (deg)																
10:00 AM - 11:00 AM	0.0	-	-															
11:00 AM - 12:00 PM	0.7	303.0	WNW															
12:00 PM - 01:00 PM	0.0	-	-															
01:00 PM - 02:00 PM	1.1	261.0	W															
02:00 PM - 03:00 PM	3.0	223.0	SW															
03:00 PM - 04:00 PM	0.9	253.0	WSW															
04:00 PM - 05:00 PM	1.6	186.0	S															
05:00 PM - 06:00 PM	0.6	217.0	SW															
06:00 PM - 07:00 PM	0.4	187.0	S															
07:00 PM - 08:00 PM	1.2	150.0	SSE															
08:00 PM - 09:00 PM	0.0	-	-															
09:00 PM - 10:00 PM	0.6	81.0	E															
10:00 PM - 11:00 PM	0.0	-	-															
11:00 PM - 12:00 AM	0.0	-	-															
12:00 AM - 01:00 AM	0.0	-	-															
01:00 AM - 02:00 AM	0.0	-	-															
02:00 AM - 03:00 AM	0.0	-	-															
03:00 AM - 04:00 AM	0.0	-	-															
04:00 AM - 05:00 AM	0.0	-	-															
05:00 AM - 06:00 AM	0.0	-	-															
06:00 AM - 07:00 AM	0.2	-	-															
07:00 AM - 08:00 AM	0.3	256.0	WSW															
08:00 AM - 09:00 AM	0.0	-	-															
09:00 AM - 10:00 AM	0.4	282.0	WNW															

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522299

Date Received : Apr 02, 2025

Date Reported : Apr 08, 2025

Report Number :3251895-1

Page 1 of 2

Sample Number 2522299-1  
Parameter Wind Speed / Wind Direction  
Location กรุงเทพมหานคร (พิกัด 47P 0735259 E, 1408966 N)  
Sampling Date Apr 01 - Apr 02, 2025  
Sampling by Prasanmit Kueanpet

Time	Apr 01 - Apr 02, 2025																	
	WS (m/s)	WD (deg)																
10:00 AM - 11:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.7	238.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.8	175.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.5	233.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.8	315.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.5	235.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.4	290.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.3	20.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.4	17.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.3	78.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.3	18.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.4	75.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.2	20.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.1	341.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.5	70.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537381

Date Received : May 07, 2025

Date Reported : May 15, 2025

Report Number :3287540-1

Page 1 of 2

Sample Number 2537381-1  
Parameter Wind Speed / Wind Direction  
Location กรุงเทพมหานคร (พิกัด 47P 0735259 E, 1408966 N)  
Sampling Date May 06 - May 07, 2025  
Sampling by Prasanmit Kueanpet

Time	May 06 - May 07, 2025																	
	WS (m/s)	WD (deg)																
11:00 AM - 12:00 PM	2.3	205.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.8	132.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.6	137.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.6	143.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.3	159.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.7	169.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.6	183.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.7	159.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.5	147.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.3	201.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.8	218.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.7	90.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.4	68.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.6	107.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.8	200.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.4	145.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.8	212.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.2	145.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong, Rayong  
Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542699

Date Received :Jun 05, 2025

Date Reported :Jun 12, 2025

Report Number :3299405-1

Sample Number 2542699-1  
Parameter Wind Speed / Wind Direction  
Location หมู่บ้านบ้านนา (พิกัด 47P 0735259 E, 1408966 N)  
Sampling Date Jun 04 - Jun 05, 2025  
Sampling by Prasarnmit Kueanpet

Page 1 of 2

Time	Jun 04 - Jun 05, 2025															
	WS (m/s)	WD (deg)														
10:00 AM - 11:00 AM	2.0	251.0	WSW													
11:00 AM - 12:00 PM	2.0	276.0	W													
12:00 PM - 01:00 PM	3.0	236.0	SW													
01:00 PM - 02:00 PM	1.0	214.0	SW													
02:00 PM - 03:00 PM	0.8	216.0	SW													
03:00 PM - 04:00 PM	2.0	270.0	W													
04:00 PM - 05:00 PM	2.0	243.0	WSW													
05:00 PM - 06:00 PM	5.0	197.0	SSW													
06:00 PM - 07:00 PM	1.0	198.0	SSW													
07:00 PM - 08:00 PM	4.0	263.0	W													
08:00 PM - 09:00 PM	1.0	272.0	W													
09:00 PM - 10:00 PM	1.0	320.0	NW													
10:00 PM - 11:00 PM	6.0	255.0	WSW													
11:00 PM - 12:00 AM	1.0	294.0	WNW													
12:00 AM - 01:00 AM	2.0	247.0	WSW													
01:00 AM - 02:00 AM	1.0	222.0	SW													
02:00 AM - 03:00 AM	2.0	202.0	SSW													
03:00 AM - 04:00 AM	5.0	199.0	SSW													
04:00 AM - 05:00 AM	3.0	226.0	SW													
05:00 AM - 06:00 AM	3.0	241.0	WSW													
06:00 AM - 07:00 AM	0.0	-	-													
07:00 AM - 08:00 AM	2.0	241.0	WSW													
08:00 AM - 09:00 AM	1.0	238.0	WSW													
09:00 AM - 10:00 AM	5.0	283.0	WNW													

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O :

Project Name : EIA Monitor

Project Location :

Lot ID: 24145546

Date Received :Jan 17, 2025

Date Reported :Jan 24, 2025

Report Number :3205951-1

Sample Number 24145546-1  
Parameter Wind Speed / Wind Direction  
Location หมู่บ้านบ้านนา (พิกัด 47P 0735680 E, 1408469 N)  
Sampling Date Jan 16 - Jan 17, 2025  
Sampling by Natthawut Duangpang

Page 1 of 2

Time	Jan 16 - Jan 17, 2025															
	WS (m/s)	WD (deg)														
11:00 AM - 12:00 PM	4.4	345.0	NNW													
12:00 PM - 01:00 PM	3.4	263.0	W													
01:00 PM - 02:00 PM	1.4	78.0	ENE													
02:00 PM - 03:00 PM	2.7	48.0	NE													
03:00 PM - 04:00 PM	0.9	113.0	ESE													
04:00 PM - 05:00 PM	1.5	91.0	E													
05:00 PM - 06:00 PM	0.0	-	-													
06:00 PM - 07:00 PM	1.2	355.0	N													
07:00 PM - 08:00 PM	0.7	359.0	N													
08:00 PM - 09:00 PM	1.3	345.0	NNW													
09:00 PM - 10:00 PM	0.1	-	-													
10:00 PM - 11:00 PM	0.3	266.0	W													
11:00 PM - 12:00 AM	0.0	-	-													
12:00 AM - 01:00 AM	0.6	336.0	NNW													
01:00 AM - 02:00 AM	0.2	-	-													
02:00 AM - 03:00 AM	0.7	273.0	W													
03:00 AM - 04:00 AM	0.9	255.0	WSW													
04:00 AM - 05:00 AM	0.0	-	-													
05:00 AM - 06:00 AM	0.0	-	-													
06:00 AM - 07:00 AM	1.1	338.0	NNW													
07:00 AM - 08:00 AM	1.3	320.0	NW													
08:00 AM - 09:00 AM	2.9	356.0	N													
09:00 AM - 10:00 AM	3.6	355.0	N													
10:00 AM - 11:00 AM	0.7	324.0	NW													

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

Lot ID: 253549  
Date Received :Feb 05, 2025  
Date Reported :Feb 07, 2025  
Report Number :3211518-1

P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Page 1 of 2

Sample Number 253549-1  
Parameter Wind Speed / Wind Direction  
Location กรุงเทพมหานคร (พิกัด 47P 0735680 E, 1408469 N)  
Sampling Date Feb 04 - Feb 05, 2025  
Sampling by Prasannit Kueanpet

Time	Feb 04 - Feb 05, 2025																			
	WS (m/s)	WD (deg)																		
11:00 AM - 12:00 PM	0.8	221.0	SW																	
12:00 PM - 01:00 PM	0.8	182.0	S																	
01:00 PM - 02:00 PM	0.5	182.0	S																	
02:00 PM - 03:00 PM	0.6	157.0	SSE																	
03:00 PM - 04:00 PM	0.6	157.0	SSE																	
04:00 PM - 05:00 PM	0.4	158.0	SSE																	
05:00 PM - 06:00 PM	0.4	157.0	SSE																	
06:00 PM - 07:00 PM	0.7	157.0	SSE																	
07:00 PM - 08:00 PM	0.7	157.0	SSE																	
08:00 PM - 09:00 PM	0.2	-	-																	
09:00 PM - 10:00 PM	0.3	238.0	WSW																	
10:00 PM - 11:00 PM	1.4	219.0	SW																	
11:00 PM - 12:00 AM	0.4	214.0	SW																	
12:00 AM - 01:00 AM	0.6	213.0	SSW																	
01:00 AM - 02:00 AM	0.4	213.0	SSW																	
02:00 AM - 03:00 AM	0.3	212.0	SSW																	
03:00 AM - 04:00 AM	0.0	-	-																	
04:00 AM - 05:00 AM	0.4	212.0	SSW																	
05:00 AM - 06:00 AM	0.2	-	-																	
06:00 AM - 07:00 AM	0.3	170.0	S																	
07:00 AM - 08:00 AM	0.4	169.0	S																	
08:00 AM - 09:00 AM	0.5	211.0	SSW																	
09:00 AM - 10:00 AM	1.5	201.0	SSW																	
10:00 AM - 11:00 AM	2.2	205.0	SSW																	

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

Lot ID: 2518503  
Date Received :Mar 12, 2025  
Date Reported :Mar 18, 2025  
Report Number :3243898-1

P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Page 1 of 2

Sample Number 2518503-1  
Parameter Wind Speed / Wind Direction  
Location กรุงเทพมหานคร (พิกัด 47P 0735680 E, 1408469 N)  
Sampling Date Mar 11 - Mar 12, 2025  
Sampling by Prasannit Kueanpet

Time	Mar 11 - Mar 12, 2025																			
	WS (m/s)	WD (deg)																		
10:00 AM - 11:00 AM	0.2	-	-																	
11:00 AM - 12:00 PM	2.1	306.0	NW																	
12:00 PM - 01:00 PM	1.9	308.0	NW																	
01:00 PM - 02:00 PM	1.4	261.0	W																	
02:00 PM - 03:00 PM	1.7	278.0	W																	
03:00 PM - 04:00 PM	1.4	279.0	W																	
04:00 PM - 05:00 PM	2.6	225.0	SW																	
05:00 PM - 06:00 PM	0.5	271.0	W																	
06:00 PM - 07:00 PM	2.0	228.0	SW																	
07:00 PM - 08:00 PM	1.5	203.0	SSW																	
08:00 PM - 09:00 PM	1.1	224.0	SW																	
09:00 PM - 10:00 PM	0.0	-	-																	
10:00 PM - 11:00 PM	0.6	176.0	S																	
11:00 PM - 12:00 AM	0.9	191.0	S																	
12:00 AM - 01:00 AM	0.0	-	-																	
01:00 AM - 02:00 AM	0.0	-	-																	
02:00 AM - 03:00 AM	0.0	-	-																	
03:00 AM - 04:00 AM	0.0	-	-																	
04:00 AM - 05:00 AM	0.0	-	-																	
05:00 AM - 06:00 AM	1.3	271.0	W																	
06:00 AM - 07:00 AM	0.0	-	-																	
07:00 AM - 08:00 AM	1.1	303.0	WNW																	
08:00 AM - 09:00 AM	2.8	228.0	SW																	
09:00 AM - 10:00 AM	1.6	225.0	SW																	

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

Lot ID: 2522298  
Date Received :Apr 02, 2025  
Date Reported :Apr 08, 2025  
Report Number :3251894-1

P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Sample Number 2522298-1  
Parameter Wind Speed / Wind Direction  
Location ชุมชนนาบตา (พิกัด 47P 0735680 E, 1408469 N)  
Sampling Date Apr 01 - Apr 02, 2025  
Sampling by Prasannit Kueanpet

Page 1 of 2

Time	Apr 01 - Apr 02, 2025															
	WS (m/s)	WD (deg)														
11:00 AM - 12:00 PM	1.3	225.0	SW													
12:00 PM - 01:00 PM	1.7	303.0	WNW													
01:00 PM - 02:00 PM	3.5	234.0	SW													
02:00 PM - 03:00 PM	3.7	262.0	W													
03:00 PM - 04:00 PM	3.4	262.0	W													
04:00 PM - 05:00 PM	1.3	234.0	SW													
05:00 PM - 06:00 PM	3.3	243.0	WSW													
06:00 PM - 07:00 PM	1.7	273.0	W													
07:00 PM - 08:00 PM	1.7	288.0	WNW													
08:00 PM - 09:00 PM	1.3	314.0	NW													
09:00 PM - 10:00 PM	0.5	61.0	ENE													
10:00 PM - 11:00 PM	0.9	359.0	N													
11:00 PM - 12:00 AM	0.0															
12:00 AM - 01:00 AM	0.0															
01:00 AM - 02:00 AM	0.7	0.0	N													
02:00 AM - 03:00 AM	1.4	353.0	N													
03:00 AM - 04:00 AM	0.0															
04:00 AM - 05:00 AM	0.0															
05:00 AM - 06:00 AM	0.0															
06:00 AM - 07:00 AM	0.0															
07:00 AM - 08:00 AM	0.3	359.0	N													
08:00 AM - 09:00 AM	0.1															
09:00 AM - 10:00 AM	0.2															
10:00 AM - 11:00 AM	0.3	266.0	W													

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method



## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

Lot ID: 2537379  
Date Received :May 07, 2025  
Date Reported :May 15, 2025  
Report Number :3287539-1

P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Sample Number 2537379-1  
Parameter Wind Speed / Wind Direction  
Location ชุมชนนาบตา (พิกัด 47P 0735680 E, 1408469 N)  
Sampling Date May 06 - May 07, 2025  
Sampling by Prasannit Kueanpet

Page 1 of 2

Time	May 06 - May 07, 2025															
	WS (m/s)	WD (deg)														
12:00 PM - 01:00 PM	1.6	110.0	ESE													
01:00 PM - 02:00 PM	2.9	107.0	ESE													
02:00 PM - 03:00 PM	1.5	147.0	SSE													
03:00 PM - 04:00 PM	1.9	100.0	E													
04:00 PM - 05:00 PM	4.6	137.0	SE													
05:00 PM - 06:00 PM	3.6	106.0	ESE													
06:00 PM - 07:00 PM	0.5	109.0	ESE													
07:00 PM - 08:00 PM	1.5	136.0	SE													
08:00 PM - 09:00 PM	1.6	123.0	ESE													
09:00 PM - 10:00 PM	1.6	139.0	SE													
10:00 PM - 11:00 PM	1.6	126.0	SE													
11:00 PM - 12:00 AM	1.4	111.0	ESE													
12:00 AM - 01:00 AM	0.7	123.0	ESE													
01:00 AM - 02:00 AM	0.7	66.0	ENE													
02:00 AM - 03:00 AM	0.0															
03:00 AM - 04:00 AM	0.6	54.0	NE													
04:00 AM - 05:00 AM	0.0															
05:00 AM - 06:00 AM	0.5	54.0	NE													
06:00 AM - 07:00 AM	0.2															
07:00 AM - 08:00 AM	3.0	101.0	E													
08:00 AM - 09:00 AM	2.1	121.0	ESE													
09:00 AM - 10:00 AM	2.0	126.0	SE													
10:00 AM - 11:00 AM	1.4	144.0	SE													
11:00 AM - 12:00 PM	2.1	99.0	E													

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Assistant General Manager

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong, Rayong  
Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542693

Date Received : Jun 05, 2025

Date Reported : Jun 12, 2025

Report Number : 3299330-1

Page 1 of 2

Sample Number : 2542693-1

Parameter : Wind Speed / Wind Direction

Location : ทุ่งนาหนองนา (พิกัด 47P 0735680 E, 1408469 N)

Sampling Date : Jun 04 - Jun 05, 2025

Sampling by : Prasannit Kueanpet

Time	Jun 04 - Jun 05, 2025																	
	WS (m/s)	WD (deg)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00 AM - 12:00 PM	2.6	263.0	W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:00 PM - 01:00 PM	4.6	258.0	WSW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00 PM - 02:00 PM	1.8	253.0	WSW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00 PM - 03:00 PM	4.2	260.0	W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00 PM - 04:00 PM	1.2	255.0	WSW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00 PM - 05:00 PM	1.9	288.0	WNW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00 PM - 06:00 PM	0.7	253.0	WSW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00 PM - 07:00 PM	1.5	268.0	W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00 PM - 08:00 PM	1.0	171.0	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00 PM - 09:00 PM	2.2	332.0	NNW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00 PM - 10:00 PM	0.6	269.0	W	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00 PM - 11:00 PM	0.4	8.0	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00 PM - 12:00 AM	0.5	358.0	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:00 AM - 01:00 AM	0.3	35.0	NE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00 AM - 02:00 AM	0.4	3.0	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00 AM - 03:00 AM	0.3	11.0	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00 AM - 04:00 AM	0.4	11.0	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00 AM - 05:00 AM	1.2	349.0	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00 AM - 06:00 AM	0.6	354.0	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00 AM - 07:00 AM	8.0	11.0	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00 AM - 08:00 AM	0.4	301.0	WNW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00 AM - 09:00 AM	0.7	296.0	WNW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00 AM - 10:00 AM	0.8	255.0	WSW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00 AM - 11:00 AM	0.5	195.0	SSW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above results are valid only for the analyzed samples (S) as indicated in this report. This part of the report for certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not manipulated except in full.

Approved by

Sarayuth Jitranont  
Assistant General Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A, Phrakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

H:\Data\Lab\Analysis\Files\Concentrations-255097-Ban Numpayom-SO2 28 Apr 2025-05 May 2025



## Ambient Air Monitoring Results : Sulfur dioxide MTR-PTTGC5

Location : Ban Numpayom

Monitor Period : 28 Apr 2025-05 May 2025

Analyzer Model : API 100A

Station No : SCT-14

Serial No : 906

Site Operator : Mr. Siwanon Kulawong

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0102326

Certified Date : 10 Jan 2025

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 09 Jan 2026

Time	SO2 Concentration (ppb)						
	28-29 Apr 2025	29-30 Apr 2025	30 Apr-01 May 2025	01-02 May 2025	02-03 May 2025	03-04 May 2025	04-05 May 2025
10:00 - 11:00	6.0	3.2	5.3	5.5	6.9	9.0	9.9
11:00 - 12:00	6.6	4.6	5.9	6.4	5.7	8.7	6.7
12:00 - 13:00	4.0	3.4	4.5	6.0	6.8	9.5	7.1
13:00 - 14:00	5.0	5.8	5.5	6.9	5.6	8.3	10.1
14:00 - 15:00	7.4	5.2	5.7	3.2	5.5	4.6	11.6
15:00 - 16:00	6.3	7.0	5.7	4.7	4.1	4.2	9.8
16:00 - 17:00	9.8	6.0	4.2	3.0	5.5	4.8	9.5
17:00 - 18:00	11.0	6.9	5.7	3.5	6.0	5.7	9.0
18:00 - 19:00	6.0	4.7	6.8	4.9	3.3	3.6	5.6
19:00 - 20:00	7.7	5.9	5.7	4.3	7.0	3.3	5.6
20:00 - 21:00	6.9	4.2	4.7	5.4	7.1	5.7	4.1
21:00 - 22:00	9.5	5.1	3.3	4.1	5.9	3.9	4.5
22:00 - 23:00	6.0	5.7	8.4	5.0	5.1	5.1	6.3
23:00 - 00:00	5.5	5.1	4.8	6.6	5.2	3.1	3.0
00:00 - 01:00	12.0	5.7	10.9	4.5	11.7	6.0	6.4
01:00 - 02:00	10.4	4.6	11.6	3.4	3.0	3.5	4.4
02:00 - 03:00	10.1	5.3	6.0	4.2	3.6	5.4	6.0
03:00 - 04:00	5.2	5.0	6.9	5.2	4.8	3.6	3.6
04:00 - 05:00	3.2	5.2	4.7	4.7	3.3	5.8	4.7
05:00 - 06:00	3.8	3.9	7.3	3.4	5.9	6.1	3.6
06:00 - 07:00	5.2	4.5	7.4	6.2	7.4	4.4	4.4
07:00 - 08:00	4.7	4.0	4.2	6.6	6.4	6.7	4.6
08:00 - 09:00	3.7	5.5	3.8	5.3	3.0	9.0	9.9
09:00 - 10:00	8.5	4.4	6.1	7.1	8.3	11.4	6.6
Average-24Hr*	6.9	5.0	6.0	5.0	5.7	5.9	6.5
Max-1Hr	12.0	7.0	11.6	7.1	11.7	11.4	11.8
Min-1Hr	3.2	3.2	3.3	3.0	3.0	3.1	3.0
Standard-1Hr	300 ppb(780 ug/cu.m)						
Standard-24Hr	120 ppb(300 ug/cu.m)						

Remark : \* Average time between 10:00-10:00

(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

(Miss Preeda Somjai)  
Technical Management Team





## Ambient Air Monitoring Results : Sulfur dioxide MTR-PTTGC5

Location : Ban Bon

Monitor Period : 28 Apr 2025-05 May 2025

Analyzer Model : Teledyne T100

Station No : SECOT-019

Serial No : 186

Site Operator : Mr. Siwanon Kulawong

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0102326

Certified Date : 10 Jan 2025

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 09 Jan 2026

Time	SO2 Concentration (ppb)						
	28-29 Apr 2025	29-30 Apr 2025	30Apr-01May 2025	01-02 May 2025	02-03 May 2025	03-04 May 2025	04-05 May 2025
09:00 - 10:00	9.0	5.2	2.8	5.9	10.5	7.2	8.4
10:00 - 11:00	8.3	6.4	2.5	7.8	9.1	8.6	8.2
11:00 - 12:00	9.3	7.0	6.4	10.6	7.6	10.8	8.4
12:00 - 13:00	5.9	3.8	7.9	5.0	6.3	9.1	10.0
13:00 - 14:00	7.3	5.7	6.1	8.5	6.3	8.0	8.2
14:00 - 15:00	10.3	5.9	6.2	2.4	7.2	3.4	9.6
15:00 - 16:00	5.0	2.2	5.6	3.7	4.4	7.0	10.2
16:00 - 17:00	11.0	5.5	6.9	4.9	5.3	7.7	9.2
17:00 - 18:00	10.9	4.0	6.3	9.3	7.8	4.9	10.3
18:00 - 19:00	9.2	6.5	6.2	6.8	6.4	5.7	7.6
19:00 - 20:00	8.5	4.3	6.9	5.0	7.9	6.6	7.5
20:00 - 21:00	8.3	3.6	4.3	7.9	3.2	6.3	7.7
21:00 - 22:00	6.1	6.7	5.3	6.8	5.7	4.2	4.4
22:00 - 23:00	8.0	7.3	5.4	5.7	7.3	4.3	5.1
23:00 - 00:00	5.4	4.9	2.2	6.3	5.1	7.7	2.3
00:00 - 01:00	10.0	7.3	9.2	3.5	8.9	5.4	5.3
01:00 - 02:00	7.3	5.7	6.7	3.9	7.3	5.7	7.8
02:00 - 03:00	11.0	5.9	9.5	3.1	6.6	6.8	7.6
03:00 - 04:00	6.2	2.8	9.8	6.1	4.0	6.0	5.3
04:00 - 05:00	8.2	3.6	6.3	3.1	6.5	6.8	7.7
05:00 - 06:00	5.4	5.7	6.1	7.7	6.1	6.8	5.5
06:00 - 07:00	8.0	4.5	4.9	5.1	3.1	5.3	6.5
07:00 - 08:00	6.7	6.8	6.7	10.7	4.8	10.0	1.8
08:00 - 09:00	5.0	7.1	3.1	3.0	5.1	8.0	8.1
Average-24Hr*	8.0	5.3	6.0	5.9	6.4	6.7	7.2
Max-1Hr	11.0	7.3	9.8	10.7	10.5	10.8	10.3
Min-1Hr	5.0	2.2	2.2	2.4	3.1	3.4	1.9
Standard-1Hr	300 ppb(780 ug/cu.m)						
Standard-24Hr	120 ppb(300 ug/cu.m)						

Remark : \* Average time between 09:00-09:00

(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

Preeda S.  
(Miss Preeda Somjai)  
Technical Management Team



## Ambient Air Monitoring Results : Sulfur dioxide MTR-PTTGC5

Location : Ban Mabya

Monitor Period : 28 Apr 2025-05 May 2025

Analyzer Model : Teledyne T100

Station No : SCT-15

Serial No : 120

Site Operator : Mr. Siwanon Kulawong

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0102326

Certified Date : 10 Jan 2025

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 09 Jan 2026

Time	SO2 Concentration (ppb)						
	28-29 Apr 2025	29-30 Apr 2025	30Apr-01May 2025	01-02 May 2025	02-03 May 2025	03-04 May 2025	04-05 May 2025
09:00 - 10:00	10.5	3.6	3.3	6.6	10.2	5.2	9.4
10:00 - 11:00	12.2	4.2	2.0	2.6	6.5	8.8	11.7
11:00 - 12:00	10.7	2.3	3.8	6.4	6.1	6.6	10.3
12:00 - 13:00	3.8	3.0	3.2	2.4	2.0	10.7	11.4
13:00 - 14:00	2.5	3.5	2.7	11.4	4.5	1.7	13.7
14:00 - 15:00	11.0	2.1	2.7	3.3	3.1	2.2	12.7
15:00 - 16:00	10.0	2.1	3.2	2.4	2.6	2.8	11.7
16:00 - 17:00	9.3	1.5	1.6	6.0	6.1	3.3	10.8
17:00 - 18:00	12.6	4.0	4.1	6.4	4.4	3.6	5.2
18:00 - 19:00	10.0	2.7	3.0	1.8	2.6	2.0	3.2
19:00 - 20:00	8.7	2.6	3.6	1.8	4.3	2.6	3.1
20:00 - 21:00	11.0	2.7	4.2	3.7	3.2	2.8	4.4
21:00 - 22:00	10.1	4.2	2.0	2.5	3.6	3.0	4.3
22:00 - 23:00	5.0	1.4	1.9	3.2	2.6	4.8	2.3
23:00 - 00:00	5.3	1.2	4.3	1.7	7.4	2.3	2.1
00:00 - 01:00	9.8	2.9	12.4	1.8	7.7	3.5	2.0
01:00 - 02:00	7.4	3.6	10.2	3.1	3.1	2.3	3.3
02:00 - 03:00	10.5	3.5	6.9	2.8	4.5	6.2	4.0
03:00 - 04:00	4.7	1.9	6.5	2.0	4.6	6.1	2.0
04:00 - 05:00	6.6	3.1	4.8	2.8	2.6	8.2	4.8
05:00 - 06:00	3.1	3.2	7.0	3.4	4.5	7.5	3.4
06:00 - 07:00	3.7	3.4	5.8	6.9	4.3	4.8	3.4
07:00 - 08:00	3.2	2.5	2.4	7.2	3.4	7.0	4.1
08:00 - 09:00	3.9	3.1	3.0	4.4	3.3	5.5	12.0
Average-24Hr*	7.7	2.8	4.4	4.0	4.5	4.6	6.5
Max-1Hr	12.6	4.2	12.4	11.4	10.2	10.7	13.7
Min-1Hr	2.5	1.2	1.6	1.6	2.0	1.7	2.0
Standard-1Hr	300 ppb(780 ug/cu.m)						
Standard-24Hr	120 ppb(300 ug/cu.m)						

Remark : \* Average time between 09:00-09:00

(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

Preeda S.  
(Miss Preeda Somjai)  
Technical Management Team



Location : Ban Nurnpayorn

Analyzer Model : API 200A

Serial No : 2385

**Monitor Period : 28 Apr 2025-05 May 2025**

Station No : SCT-14

**Site Operator** : Mr. Siwanon Kulawong

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0102326

Certified Date : 08 Jan 2025

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 07 Jan 2026

Remark : \* Average time between 10:00-10:00

(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

Location : Ban Bon

Analyzer Model : API 200A

Serial No : 1505

**Monitor Period** : 28 Apr 2025-05 May 2025

Station No : SECOT-019

**Site Operator** : Mr. Siwanon Kulawong

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0102326

Certified Date : 08 Jan 2025

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 07 Jan 2026

Remark : " Average time between 09:00-09:00

(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

Preeda S.  
(Miss Preeda Sonjai)  
Technical Management Team



## Ambient Air Monitoring Results : Nitrogen dioxide MTR-PTTGC5

Location : Ban Mabya Monitor Period : 28 Apr 2025-05 May 2025  
Analyzer Model : API 200A Station No : SCT-15  
Serial No : 2386 Site Operator : Mr. Siwanon Kulawong

Calibrator Model : Teledyne 700E Serial No : 587  
Calibration Gas Cylinder I.D.: EB0102326  
Certified Date : 08 Jan 2025 Cal Concentration (ppb) : 0,100,200,400  
Expire Date : 07 Jan 2026

Time	NO2 Concentration (ppb)						
	28-29 Apr 2025	29-30 Apr 2025	30Apr-01May 2025	01-02 May 2025	02-03 May 2025	03-04 May 2025	04-05 May 2025
09:00 - 10:00	4.7	5.5	4.2	5.0	5.5	7.1	7.2
10:00 - 11:00	3.9	6.6	3.3	4.4	5.4	8.0	5.6
11:00 - 12:00	6.1	6.1	7.1	8.8	6.0	4.1	3.6
12:00 - 13:00	4.2	4.9	4.1	4.2	3.5	5.2	5.1
13:00 - 14:00	3.3	3.6	5.3	6.3	7.0	5.1	6.4
14:00 - 15:00	3.6	6.2	4.4	5.6	4.2	5.1	5.8
15:00 - 16:00	5.0	10.8	3.7	7.1	5.7	6.1	4.6
16:00 - 17:00	6.3	5.0	3.4	7.0	3.7	4.2	4.0
17:00 - 18:00	6.0	3.2	6.2	3.4	4.5	3.6	6.3
18:00 - 19:00	5.9	5.8	4.5	6.0	6.2	6.3	6.4
19:00 - 20:00	5.5	6.9	6.3	3.7	4.6	4.1	5.0
20:00 - 21:00	3.7	5.8	5.7	5.8	5.9	5.6	6.3
21:00 - 22:00	5.8	4.0	6.6	10.5	3.1	4.0	6.9
22:00 - 23:00	3.3	9.3	6.9	10.3	5.1	11.4	3.9
23:00 - 00:00	3.4	7.6	3.9	9.6	3.4	8.9	5.4
00:00 - 01:00	3.8	6.1	6.2	4.3	5.7	3.8	4.2
01:00 - 02:00	5.0	4.7	5.9	5.3	4.9	6.6	5.1
02:00 - 03:00	5.4	6.5	4.2	4.0	6.3	6.8	6.6
03:00 - 04:00	6.0	4.3	4.1	4.9	5.9	5.0	5.1
04:00 - 05:00	5.9	4.5	6.8	6.6	4.7	6.4	4.2
05:00 - 06:00	5.3	9.9	3.6	5.3	5.3	4.4	5.0
06:00 - 07:00	3.6	8.5	4.8	4.4	5.2	4.0	4.6
07:00 - 08:00	5.9	9.1	4.5	5.3	5.0	6.8	5.2
08:00 - 09:00	3.7	14.3	3.5	3.2	4.7	4.2	4.6
Average - 24Hr*	4.8	6.6	5.0	5.8	5.1	5.7	5.3
Max - 1Hr	6.3	14.3	7.1	10.5	7.0	11.4	7.2
Min - 1Hr	3.3	3.2	3.3	3.2	3.1	3.6	3.6
Standard-1Hr	170 ppb(320 ug/cu.m)						
Standard-24Hr							

Remark : \* Average time between 09:00-09:00

(Miss Katesarin Vorradeewittaya)  
Environmental Scientist

(Miss Preeda Somjai)  
Technical Management Team

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Bangsue, Bangkok 10800  
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TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

## AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REFERENCE NO. : 225097-Amb-2504-0038  
(Branch 5 : Aromatics 2 Plant)  
MEASUREMENT BY : SECOT Co., Ltd. SAMPLING DATE : 28/04/2025-05/05/2025  
RECEIVED DATE : 14/05/2025 ANALYTICAL DATE : 15-17/05/2025  
REPORT DATE : 19/05/2025 SAMPLE CONDITION : Good  
SITE OPERATOR : Mr. Siwanon Kulawong LOCATION DESCRIPTION : Ban Numpayont

PARAMETER	SAMPLING DATE	UNIT	RESULT	STANDARD*	REFERENCE METHOD
PM-10 (24 hr)	28-29/04/2025	mg/cu.m.	0.023	0.120	High Volume
	29-30/04/2025	mg/cu.m.	0.032		Air Sampler
	30/04-01/05/2025	mg/cu.m.	0.028		(Hi-Vol PM-10
	01-02/05/2025	mg/cu.m.	0.032		Size Selective Inlet/
	02-03/05/2025	mg/cu.m.	0.026		Gravimetric Method
	03-04/05/2025	mg/cu.m.	0.032		
	04-05/05/2025	mg/cu.m.	0.014		

Pornpana Puthum.  
(Miss Pornpana Budthum)

Analyst

Miss Narisa Poowasanpetch  
(Miss Narisa Poowasanpetch)

Technical Management Team

Remark : 1. Reported analysis refers to submitted sample only.

2. This report shall not be reproduced, except in full, without official approval.

3. \* Notification of the National Environment Board, No.24, B.E.2547 (2004).



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239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND

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### AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd.  
(Branch 5 : Aromatics 2 Plant)  
REFERENCE NO. : 225097-Amb-2504-0038  
MEASUREMENT BY : SECOT Co., Ltd.  
SAMPLING DATE : 28/04/2025-05/05/2025  
RECEIVED DATE : 14/05/2025  
ANALYTICAL DATE : 15-17/05/2025  
REPORT DATE : 19/05/2025  
SAMPLE CONDITION : Good  
SITE OPERATOR : Mr. Siwanon Kulawong  
LOCATION DESCRIPTION : Ban Bon

PARAMETER	SAMPLING DATE	UNIT	RESULT	STANDARD*	REFERENCE METHOD
PM-10 (24 hr)	28-29/04/2025	mg/cu.m.	0.016	0.120	High Volume
	29-30/04/2025	mg/cu.m.	0.031		Air Sampler
	30/04-01/05/2025	mg/cu.m.	0.029		(Hi-Vol PM-10
	01-02/05/2025	mg/cu.m.	0.028		Size Selective Inlet)/
	02-03/05/2025	mg/cu.m.	0.026		Gravimetric Method
	03-04/05/2025	mg/cu.m.	0.025		
	04-05/05/2025	mg/cu.m.	0.023		

*Pornnapa Budthum*

(Miss Pornnapa Budthum)

Analyst

*Narisa Poowasanpetch*

(Miss Narisa Poowasanpetch)

Technical Management Team

Remark : 1. Reported analysis refers to submitted sample only.

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3. \* Notification of the National Environment Board, No.24, B.E.2547 (2004).



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SECOT CO., LTD.

239 ถนนวิภาวดีรังสิต แขวงบางซื่อ เขตบางซื่อ กรุงเทพฯ 10800

239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND

TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

### AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd.  
(Branch 5 : Aromatics 2 Plant)  
REFERENCE NO. : 225097-Amb-2504-0038  
MEASUREMENT BY : SECOT Co., Ltd.  
SAMPLING DATE : 28/04/2025-05/05/2025  
RECEIVED DATE : 14/05/2025  
ANALYTICAL DATE : 15-17/05/2025  
REPORT DATE : 19/05/2025  
SAMPLE CONDITION : Good  
SITE OPERATOR : Mr. Siwanon Kulawong  
LOCATION DESCRIPTION : Ban Mabya

PARAMETER	SAMPLING DATE	UNIT	RESULT	STANDARD*	REFERENCE METHOD
PM-10 (24 hr)	28-29/04/2025	mg/cu.m.	0.024	0.120	High Volume
	29-30/04/2025	mg/cu.m.	0.033		Air Sampler
	30/04-01/05/2025	mg/cu.m.	0.034		(Hi-Vol PM-10
	01-02/05/2025	mg/cu.m.	0.031		Size Selective Inlet)/
	02-03/05/2025	mg/cu.m.	0.025		Gravimetric Method
	03-04/05/2025	mg/cu.m.	0.023		
	04-05/05/2025	mg/cu.m.	0.018		

*Pornnapa Budthum*

(Miss Pornnapa Budthum)

Analyst

*Narisa Poowasanpetch*

(Miss Narisa Poowasanpetch)

Technical Management Team

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3. \* Notification of the National Environment Board, No.24, B.E.2547 (2004).



## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145661

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3206012-1

Sample Number 24145661-3  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced Jan 22, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 17 of 40

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	16/01/25 - 17/01/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2,2-Tetrachloroethane	16/01/25 - 17/01/25	ug/m3	0.10	0.34	Not Detected	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	16/01/25 - 17/01/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2-Trichloroethane	16/01/25 - 17/01/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethane	16/01/25 - 17/01/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethene	16/01/25 - 17/01/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,3-Trimethylbenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trichlorobenzene	16/01/25 - 17/01/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trimethylbenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2-Dibromoethane	16/01/25 - 17/01/25	ug/m3	0.10	0.38	Not Detected	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	16/01/25 - 17/01/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145661

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3206012-1

Sample Number 24145661-3  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced Jan 22, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 18 of 40

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	16/01/25 - 17/01/25	ug/m3	0.07	0.20	<0.20	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	16/01/25 - 17/01/25	ug/m3	0.08	0.23	0.37	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	16/01/25 - 17/01/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3,5-Trimethylbenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3-Butadiene	16/01/25 - 17/01/25	ug/m3	0.04	0.11	0.18	5,3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	16/01/25 - 17/01/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,4-Dichlorobenzene	16/01/25 - 17/01/25	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	16/01/25 - 17/01/25	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	16/01/25 - 17/01/25	ug/m3	0.50	1.52	2,30	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1-Propanol	16/01/25 - 17/01/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Hexanone	16/01/25 - 17/01/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145661

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3206012-1

Page 19 of 40

Sample Number	24145661-3
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E , 1410700N)
Date Analysis Commenced	Jan 22, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	16/01/25 - 17/01/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	16/01/25 - 17/01/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	16/01/25 - 17/01/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	16/01/25 - 17/01/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	16/01/25 - 17/01/25	ug/m3	0.05	0.18	2.60	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	16/01/25 - 17/01/25	ug/m3	0.08	0.24	12.45	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	16/01/25 - 17/01/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	16/01/25 - 17/01/25	ug/m3	0.08	0.23	0.27	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	16/01/25 - 17/01/25	ug/m3	0.07	0.22	Not Detected	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	16/01/25 - 17/01/25	ug/m3	0.05	0.16	3.32	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	16/01/25 - 17/01/25	ug/m3	0.17	0.52	Not Detected	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145661

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3206012-1

Page 20 of 40

Sample Number	24145661-3
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E , 1410700N)
Date Analysis Commenced	Jan 22, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	16/01/25 - 17/01/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	16/01/25 - 17/01/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	16/01/25 - 17/01/25	ug/m3	0.06	0.19	<0.19	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	16/01/25 - 17/01/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Carbon Disulfide	16/01/25 - 17/01/25	ug/m3	0.05	0.16	Not Detected	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	16/01/25 - 17/01/25	ug/m3	0.10	0.31	<0.31	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	16/01/25 - 17/01/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	16/01/25 - 17/01/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	16/01/25 - 17/01/25	ug/m3	0.08	0.24	0.29	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	16/01/25 - 17/01/25	ug/m3	0.30	1.03	2.02	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 24145661  
Date Received : Jan 17, 2025  
Date Reported : Jan 27, 2025  
Report Number : 3206012-1

Sample Number 24145661-3  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E , 1410700N)  
Date Analysis Commenced Jan 22, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 21 of 40

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	16/01/25 - 17/01/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	16/01/25 - 17/01/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclohexane	16/01/25 - 17/01/25	ug/m3	0.60	1.72	<1.72	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclopentane	16/01/25 - 17/01/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichlorodifluoromethane (CFC-112)	16/01/25 - 17/01/25	ug/m3	0.80	2.47	2.57	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichloromethane	16/01/25 - 17/01/25	ug/m3	0.06	0.17	2.15	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	16/01/25 - 17/01/25	ug/m3	0.30	0.94	8.06	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Ethyl Benzene	16/01/25 - 17/01/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexanal	16/01/25 - 17/01/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexane	16/01/25 - 17/01/25	ug/m3	0.60	1.76	2.68	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Isobutene	16/01/25 - 17/01/25	ug/m3	0.40	1.15	1.24	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 24145661  
Date Received : Jan 17, 2025  
Date Reported : Jan 27, 2025  
Report Number : 3206012-1

Sample Number 24145661-3  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E , 1410700N)  
Date Analysis Commenced Jan 22, 2025  
Condition of Sample Drawn into one 6-L Canister

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Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	16/01/25 - 17/01/25	ug/m3	0.50	1.39	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
m,p-Xylene	16/01/25 - 17/01/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methacrolein	16/01/25 - 17/01/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methanol	16/01/25 - 17/01/25	ug/m3	0.20	0.66	12.03	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	16/01/25 - 17/01/25	ug/m3	0.50	1.47	2.95	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Iodide	16/01/25 - 17/01/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	16/01/25 - 17/01/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	16/01/25 - 17/01/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	16/01/25 - 17/01/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
o-Xylene	16/01/25 - 17/01/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Pentanal	16/01/25 - 17/01/25	ug/m3	0.50	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145661

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3206012-1

Page 23 of 40

Sample Number	24145661-3
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Jan 22, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	16/01/25 - 17/01/25	ug/m3	0.50	1.48	16.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propanal	16/01/25 - 17/01/25	ug/m3	0.50	1.19	<1.19	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propene (Propylene)	16/01/25 - 17/01/25	ug/m3	0.30	0.86	4.47	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Styrene	16/01/25 - 17/01/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	16/01/25 - 17/01/25	ug/m3	0.11	0.34	<0.34	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	16/01/25 - 17/01/25	ug/m3	0.60	1.88	3.62	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,2-Dichloroethene	16/01/25 - 17/01/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	16/01/25 - 17/01/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Trichloroethylene	16/01/25 - 17/01/25	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	16/01/25 - 17/01/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Vinyl Acetate	16/01/25 - 17/01/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145661

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3206012-1

Page 24 of 40

Sample Number	24145661-3
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Jan 22, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	16/01/25 - 17/01/25	ug/m3	0.04	0.13	Not Detected	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection

- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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**Lot ID: 253557**  
Date Received : Feb 05, 2025  
Date Reported : Feb 14, 2025  
Report Number : 3211531-1

Page 17 of 40

<b>Sample Number</b>	253557-3
<b>Sampled Date</b>	Feb 04, 2025
<b>Sample Description</b>	Air Quality
<b>Location</b>	PTTGC (พิกัด 47P 0735154E, 1410700N)
<b>Date Analysis Commenced</b>	Feb 06, 2025
<b>Condition of Sample</b>	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
1,1,1-Trichloroethane	04/02/25 - 05/02/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
1,1,2,2-Tetrachloroethane	04/02/25 - 05/02/25	ug/m3	0.10	0.34	Not Detected	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	04/02/25 - 05/02/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
1,1,2-Trichloroethane	04/02/25 - 05/02/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
1,1-Dichloroethane	04/02/25 - 05/02/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
1,1-Dichloroethene	04/02/25 - 05/02/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
1,2,3-Trimethylbenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
1,2,4-Trichlorobenzene	04/02/25 - 05/02/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
1,2,4-Trimethylbenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
1,2-Dibromoethane	04/02/25 - 05/02/25	ug/m3	0.10	0.38	Not Detected	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	04/02/25 - 05/02/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong

Approved by

Chonticha Subongkoch  
Scientist (3)

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7629-127 FMA11



**Lot ID: 253557**  
Date Received : Feb 05, 2025  
Date Reported : Feb 14, 2025  
Report Number : 3211531-1

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<b>Sample Number</b>	253557-3
<b>Sampled Date</b>	Feb 04, 2025
<b>Sample Description</b>	Air Quality
<b>Location</b>	PTTGC (W/In 47P 0735154E, 1410700N)
<b>Date Analysis Commenced</b>	Feb 06, 2025
<b>Condition of Sample</b>	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	04/02/25 - 05/02/25	ug/m3	0.07	0.20	0.32	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	04/02/25 - 05/02/25	ug/m3	0.08	0.23	<0.23	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	04/02/25 - 05/02/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3-Butadiene	04/02/25 - 05/02/25	ug/m3	0.04	0.11	0.53	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	04/02/25 - 05/02/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	04/02/25 - 05/02/25	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	04/02/25 - 05/02/25	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	04/02/25 - 05/02/25	ug/m3	0.50	1.52	1.58	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1-Propanol	04/02/25 - 05/02/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Hexanone	04/02/25 - 05/02/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by \_\_\_\_\_

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253557

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211531-1

Page 19 of 40

Sample Number	253557-3
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	04/02/25 - 05/02/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	04/02/25 - 05/02/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	04/02/25 - 05/02/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	04/02/25 - 05/02/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	04/02/25 - 05/02/25	ug/m3	0.05	0.18	0.97	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	04/02/25 - 05/02/25	ug/m3	0.08	0.24	9.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	04/02/25 - 05/02/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	04/02/25 - 05/02/25	ug/m3	0.08	0.23	0.32	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	04/02/25 - 05/02/25	ug/m3	0.07	0.22	<0.22	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/02/25 - 05/02/25	ug/m3	0.05	0.16	3.00	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	04/02/25 - 05/02/25	ug/m3	0.17	0.52	Not Detected	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichok

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253557

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211531-1

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Sample Number	253557-3
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	04/02/25 - 05/02/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	04/02/25 - 05/02/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	04/02/25 - 05/02/25	ug/m3	0.06	0.19	0.39	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	04/02/25 - 05/02/25	ug/m3	0.49	1.47	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Carbon Disulfide	04/02/25 - 05/02/25	ug/m3	0.05	0.16	<0.16	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	04/02/25 - 05/02/25	ug/m3	0.10	0.31	<0.31	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	04/02/25 - 05/02/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	04/02/25 - 05/02/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	04/02/25 - 05/02/25	ug/m3	0.08	0.24	<0.24	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	04/02/25 - 05/02/25	ug/m3	0.30	1.03	1.78	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichok

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253557

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211531-1

Sample Number	253557-3
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Page 21 of 40

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
cis-1,2-Dichloroethene	04/02/25 - 05/02/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
cis-1,3-Dichloropropene	04/02/25 - 05/02/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Cyclohexane	04/02/25 - 05/02/25	ug/m3	0.60	1.72	<1.72	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Cyclopentane	04/02/25 - 05/02/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Dichlorodifluoromethane (CFC-112)	04/02/25 - 05/02/25	ug/m3	0.80	2.47	2.47	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Dichloromethane	04/02/25 - 05/02/25	ug/m3	0.06	0.17	0.49	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	04/02/25 - 05/02/25	ug/m3	0.30	0.94	4.82	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Ethyl Benzene	04/02/25 - 05/02/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Hexanal	04/02/25 - 05/02/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Hexane	04/02/25 - 05/02/25	ug/m3	0.60	1.76	3.45	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Isobutene	04/02/25 - 05/02/25	ug/m3	0.40	1.15	<1.15	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong

Approved by

*Chontichak*

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253557

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211531-1

Sample Number	253557-3
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Page 22 of 40

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Isoprene	04/02/25 - 05/02/25	ug/m3	0.50	1.39	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
m,p-Xylene	04/02/25 - 05/02/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methacrolein	04/02/25 - 05/02/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methanol	04/02/25 - 05/02/25	ug/m3	0.20	0.66	14.18	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methyl Ethyl Ketone	04/02/25 - 05/02/25	ug/m3	0.50	1.47	3.36	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methyl Iodide	04/02/25 - 05/02/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methyl Isobutyl Ketone	04/02/25 - 05/02/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methyl tert butyl ether	04/02/25 - 05/02/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methyl Vinyl Ketone	04/02/25 - 05/02/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
o-Xylene	04/02/25 - 05/02/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Pentanal	04/02/25 - 05/02/25	ug/m3	0.50	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong

Approved by

*Chontichak*

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253557

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211531-1

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Sample Number	253557-3
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E , 1410700N)
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	04/02/25 - 05/02/25	ug/m3	0.50	1.48	18.12	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propanal	04/02/25 - 05/02/25	ug/m3	0.50	1.19	<1.19	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propene (Propylene)	04/02/25 - 05/02/25	ug/m3	0.30	0.86	3.24	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Styrene	04/02/25 - 05/02/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	04/02/25 - 05/02/25	ug/m3	0.11	0.34	<0.34	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	04/02/25 - 05/02/25	ug/m3	0.60	1.88	10.40	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,2-Dichloroethene	04/02/25 - 05/02/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	04/02/25 - 05/02/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Trichloroethylene	04/02/25 - 05/02/25	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	04/02/25 - 05/02/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Vinyl Acetate	04/02/25 - 05/02/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253557

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211531-1

Page 24 of 40

Sample Number	253557-3
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E , 1410700N)
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	04/02/25 - 05/02/25	ug/m3	0.04	0.13	0.15	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection

- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2518694  
Date Received : Mar 12, 2025  
Date Reported : Mar 21, 2025  
Report Number : 3244027-1

Sample Number 2518694-3  
Sampled Date Mar 11, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced Mar 13, 2025  
Condition of Sample Drawn into one 6-L Canister

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Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	11/03/25 - 12/03/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloroethane	11/03/25 - 12/03/25	ug/m3	0.10	0.34	0.69	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	11/03/25 - 12/03/25	ug/m3	1.00	3.83	<3.83	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	11/03/25 - 12/03/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	11/03/25 - 12/03/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	11/03/25 - 12/03/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	11/03/25 - 12/03/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trimethylbenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	11/03/25 - 12/03/25	ug/m3	0.10	0.38	0.92	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	11/03/25 - 12/03/25	ug/m3	0.20	0.60	0.60	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

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Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2518694  
Date Received : Mar 12, 2025  
Date Reported : Mar 21, 2025  
Report Number : 3244027-1

Sample Number 2518694-3  
Sampled Date Mar 11, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced Mar 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 18 of 40

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	11/03/25 - 12/03/25	ug/m3	0.07	0.20	0.24	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	11/03/25 - 12/03/25	ug/m3	0.08	0.23	0.74	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	11/03/25 - 12/03/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3-Butadiene	11/03/25 - 12/03/25	ug/m3	0.04	0.11	0.49	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	11/03/25 - 12/03/25	ug/m3	0.20	0.60	<0.60	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	11/03/25 - 12/03/25	ug/m3	0.20	0.60	<0.60	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	11/03/25 - 12/03/25	ug/m3	0.10	0.36	<0.36	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	11/03/25 - 12/03/25	ug/m3	0.50	1.52	3.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1-Propanol	11/03/25 - 12/03/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Hexanone	11/03/25 - 12/03/25	ug/m3	0.70	2.05	6.80	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518694

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3244027-1

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Sample Number	2518694-3
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	11/03/25 ~ 12/03/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	11/03/25 ~ 12/03/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	11/03/25 ~ 12/03/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	11/03/25 ~ 12/03/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	11/03/25 ~ 12/03/25	ug/m3	0.05	0.18	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	11/03/25 ~ 12/03/25	ug/m3	0.08	0.24	9.50	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	11/03/25 ~ 12/03/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	11/03/25 ~ 12/03/25	ug/m3	0.08	0.23	<0.23	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	11/03/25 ~ 12/03/25	ug/m3	0.07	0.22	<0.22	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	11/03/25 ~ 12/03/25	ug/m3	0.05	0.16	3.45	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	11/03/25 ~ 12/03/25	ug/m3	0.17	0.52	0.83	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518694

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3244027-1

Page 20 of 40

Sample Number	2518694-3
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	11/03/25 ~ 12/03/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	11/03/25 ~ 12/03/25	ug/m3	1.00	5.17	<5.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	11/03/25 ~ 12/03/25	ug/m3	0.06	0.19	0.93	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	11/03/25 ~ 12/03/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Carbon Disulfide	11/03/25 ~ 12/03/25	ug/m3	0.05	0.16	0.50	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	11/03/25 ~ 12/03/25	ug/m3	0.10	0.31	1.26	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	11/03/25 ~ 12/03/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	11/03/25 ~ 12/03/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	11/03/25 ~ 12/03/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	11/03/25 ~ 12/03/25	ug/m3	0.08	0.24	0.29	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	11/03/25 ~ 12/03/25	ug/m3	0.30	1.03	1.78	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518694

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3244027-1

Sample Number 2518694-3  
Sampled Date Mar 11, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced Mar 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 21 of 40

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	11/03/25 - 12/03/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	11/03/25 - 12/03/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclohexane	11/03/25 - 12/03/25	ug/m3	0.60	1.72	<1.72	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclopentane	11/03/25 - 12/03/25	ug/m3	0.50	1.43	1.49	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichlorodifluoromethane (CFC-112)	11/03/25 - 12/03/25	ug/m3	0.80	2.47	3.07	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichloromethane	11/03/25 - 12/03/25	ug/m3	0.06	0.17	0.90	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	11/03/25 - 12/03/25	ug/m3	0.30	0.94	13.68	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Ethyl Benzene	11/03/25 - 12/03/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexanal	11/03/25 - 12/03/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexane	11/03/25 - 12/03/25	ug/m3	0.60	1.76	4.58	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Isobutene	11/03/25 - 12/03/25	ug/m3	0.40	1.15	<1.15	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518694

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3244027-1

Sample Number 2518694-3  
Sampled Date Mar 11, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced Mar 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 22 of 40

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	11/03/25 - 12/03/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
m,p-Xylene	11/03/25 - 12/03/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methacrolein	11/03/25 - 12/03/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methanol	11/03/25 - 12/03/25	ug/m3	0.20	0.66	13.89	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	11/03/25 - 12/03/25	ug/m3	0.50	1.47	2.30	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Iodide	11/03/25 - 12/03/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	11/03/25 - 12/03/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	11/03/25 - 12/03/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	11/03/25 - 12/03/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
o-Xylene	11/03/25 - 12/03/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Pentanal	11/03/25 - 12/03/25	ug/m3	0.50	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

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Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518694

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3244027-1

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Sample Number	2518694-3
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	11/03/25 - 12/03/25	ug/m3	0.50	1.48	14.46	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propanal	11/03/25 - 12/03/25	ug/m3	0.50	1.19	<1.19	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propene (Propylene)	11/03/25 - 12/03/25	ug/m3	0.30	0.86	5.30	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Styrene	11/03/25 - 12/03/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	11/03/25 - 12/03/25	ug/m3	0.11	0.34	1.09	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	11/03/25 - 12/03/25	ug/m3	0.60	1.88	6.48	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,2-Dichloroethene	11/03/25 - 12/03/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	11/03/25 - 12/03/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Trichloroethylene	11/03/25 - 12/03/25	ug/m3	0.09	0.27	0.32	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	11/03/25 - 12/03/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Vinyl Acetate	11/03/25 - 12/03/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518694

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3244027-1

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Sample Number	2518694-3
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	11/03/25 - 12/03/25	ug/m3	0.04	0.13	0.31	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection

- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2522387  
Date Received : Apr 02, 2025  
Date Reported : Apr 10, 2025  
Report Number : 3252010-1

Page 17 of 40

Sample Number 2522387-3  
Sampled Date Apr 01, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced Apr 03, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	01/04/25 - 02/04/25	ug/m3	0.90	2.73	<2.73	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2,2-Tetrachloroethane	01/04/25 - 02/04/25	ug/m3	0.10	0.34	1.78	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	01/04/25 - 02/04/25	ug/m3	1.00	3.83	<3.83	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2-Trichloroethane	01/04/25 - 02/04/25	ug/m3	0.90	2.73	<2.73	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethane	01/04/25 - 02/04/25	ug/m3	0.70	2.02	<2.02	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethene	01/04/25 - 02/04/25	ug/m3	0.70	1.98	<1.98	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,3-Trimethylbenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trichlorobenzene	01/04/25 - 02/04/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trimethylbenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2-Dibromoethane	01/04/25 - 02/04/25	ug/m3	0.10	0.38	1.54	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	01/04/25 - 02/04/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2522387  
Date Received : Apr 02, 2025  
Date Reported : Apr 10, 2025  
Report Number : 3252010-1

Page 18 of 40

Sample Number 2522387-3  
Sampled Date Apr 01, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced Apr 03, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	01/04/25 - 02/04/25	ug/m3	0.07	0.20	Not Detected	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	01/04/25 - 02/04/25	ug/m3	0.08	0.23	1.39	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	01/04/25 - 02/04/25	ug/m3	1.20	3.50	<3.50	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3,5-Trimethylbenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3-Butadiene	01/04/25 - 02/04/25	ug/m3	0.04	0.11	0.80	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	01/04/25 - 02/04/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,4-Dichlorobenzene	01/04/25 - 02/04/25	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	01/04/25 - 02/04/25	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	01/04/25 - 02/04/25	ug/m3	0.50	1.52	1.58	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1-Propanol	01/04/25 - 02/04/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Hexanone	01/04/25 - 02/04/25	ug/m3	0.70	2.05	4.42	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522387

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3252010-1

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Sample Number	2522387-3
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	PTTGC (รพท 47P 0735154E , 1410700N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	01/04/25 - 02/04/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	01/04/25 - 02/04/25	ug/m3	0.40	1.23	3.15	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	01/04/25 - 02/04/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	01/04/25 - 02/04/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	01/04/25 - 02/04/25	ug/m3	0.05	0.18	1.23	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	01/04/25 - 02/04/25	ug/m3	0.08	0.24	14.40	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	01/04/25 - 02/04/25	ug/m3	0.30	0.84	2.65	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	01/04/25 - 02/04/25	ug/m3	0.08	0.23	<0.23	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	01/04/25 - 02/04/25	ug/m3	0.07	0.22	0.48	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/04/25 - 02/04/25	ug/m3	0.05	0.16	3.71	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	01/04/25 - 02/04/25	ug/m3	0.17	0.52	1.04	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522387

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3252010-1

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Sample Number	2522387-3
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	PTTGC (รพท 47P 0735154E , 1410700N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	01/04/25 - 02/04/25	ug/m3	1.00	3.35	<3.35	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	01/04/25 - 02/04/25	ug/m3	1.00	5.17	<5.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	01/04/25 - 02/04/25	ug/m3	0.06	0.19	1.55	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	01/04/25 - 02/04/25	ug/m3	0.49	1.47	1.53	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Carbon Disulfide	01/04/25 - 02/04/25	ug/m3	0.05	0.16	1.12	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	01/04/25 - 02/04/25	ug/m3	0.10	0.31	0.38	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.30	<2.30	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	01/04/25 - 02/04/25	ug/m3	0.60	1.77	2.40	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	01/04/25 - 02/04/25	ug/m3	0.40	1.32	1.42	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	01/04/25 - 02/04/25	ug/m3	0.08	0.24	<0.24	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	01/04/25 - 02/04/25	ug/m3	0.30	1.03	3.10	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522387

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3252010-1

Sample Number 2522387-3  
Sampled Date Apr 01, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E , 1410700N)  
Date Analysis Commenced Apr 03, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 21 of 40

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
cis-1,2-Dichloroethene	01/04/25 - 02/04/25	ug/m3	0.70	1.98	<1.98	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	01/04/25 - 02/04/25	ug/m3	0.80	2.27	<2.27	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclohexane	01/04/25 - 02/04/25	ug/m3	0.60	1.72	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclopentane	01/04/25 - 02/04/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichlorodifluoromethane (CFC-112)	01/04/25 - 02/04/25	ug/m3	0.80	2.47	3.96	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichloromethane	01/04/25 - 02/04/25	ug/m3	0.06	0.17	2.43	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	01/04/25 - 02/04/25	ug/m3	0.30	0.94	9.61	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Ethyl Benzene	01/04/25 - 02/04/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexanal	01/04/25 - 02/04/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexane	01/04/25 - 02/04/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Isobutene	01/04/25 - 02/04/25	ug/m3	0.40	1.15	1.38	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

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Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522387

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3252010-1

Sample Number 2522387-3  
Sampled Date Apr 01, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E , 1410700N)  
Date Analysis Commenced Apr 03, 2025  
Condition of Sample Drawn into one 6-L Canister

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Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Isoprene	01/04/25 - 02/04/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
m,p-Xylene	01/04/25 - 02/04/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methacrolein	01/04/25 - 02/04/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methanol	01/04/25 - 02/04/25	ug/m3	0.20	0.66	13.55	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	01/04/25 - 02/04/25	ug/m3	0.50	1.47	12.39	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Iodide	01/04/25 - 02/04/25	ug/m3	0.90	2.90	<2.90	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	01/04/25 - 02/04/25	ug/m3	0.70	2.05	2.87	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	01/04/25 - 02/04/25	ug/m3	0.60	1.80	<1.80	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	01/04/25 - 02/04/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
o-Xylene	01/04/25 - 02/04/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Pentanal	01/04/25 - 02/04/25	ug/m3	0.50	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

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Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522387

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3252010-1

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Sample Number	2522387-3
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Pentane	01/04/25 - 02/04/25	ug/m3	0.50	1.48	2.42	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propanal	01/04/25 - 02/04/25	ug/m3	0.50	1.19	1.66	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propene (Propylene)	01/04/25 - 02/04/25	ug/m3	0.30	0.86	3.51	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Styrene	01/04/25 - 02/04/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	01/04/25 - 02/04/25	ug/m3	0.11	0.34	2.44	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	01/04/25 - 02/04/25	ug/m3	0.60	1.88	4.82	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,2-Dichloroethene	01/04/25 - 02/04/25	ug/m3	0.70	1.98	<1.98	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	01/04/25 - 02/04/25	ug/m3	0.80	2.27	<2.27	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Trichloroethylene	01/04/25 - 02/04/25	ug/m3	0.09	0.27	1.61	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	01/04/25 - 02/04/25	ug/m3	0.90	2.81	3.03	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Vinyl Acetate	01/04/25 - 02/04/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522387

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3252010-1

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Sample Number	2522387-3
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Vinyl Chloride	01/04/25 - 02/04/25	ug/m3	0.04	0.13	0.87	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection

- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537393

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287550-1

Sample Number 2537393-3  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

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Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	06/05/25 - 07/05/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloroethane	06/05/25 - 07/05/25	ug/m3	0.10	0.34	Not Detected	83	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	06/05/25 - 07/05/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	06/05/25 - 07/05/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	06/05/25 - 07/05/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	06/05/25 - 07/05/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	06/05/25 - 07/05/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537393

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287550-1

Sample Number 2537393-3  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 22 of 50

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2,4-Trimethylbenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	06/05/25 - 07/05/25	ug/m3	0.10	0.38	Not Detected	370	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	06/05/25 - 07/05/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2-Dichloroethane	06/05/25 - 07/05/25	ug/m3	0.07	0.20	<0.20	48	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	06/05/25 - 07/05/25	ug/m3	0.08	0.23	Not Detected	82	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	06/05/25 - 07/05/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,3-Butadiene	06/05/25 - 07/05/25	ug/m3	0.04	0.11	0.22	5.3	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537393

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287550-1

Page 23 of 50

Sample Number	2537393-3
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,3-Dichlorobenzene	06/05/25 - 07/05/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,4-Dichlorobenzene	06/05/25 - 07/05/25	ug/m3	0.20	0.60	Not Detected	1100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	06/05/25 - 07/05/25	ug/m3	0.10	0.36	Not Detected	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1-Butanol	06/05/25 - 07/05/25	ug/m3	0.50	1.52	6.85	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1-Propanol	06/05/25 - 07/05/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
2-Hexanone	06/05/25 - 07/05/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Pentanone	06/05/25 - 07/05/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Propanol	06/05/25 - 07/05/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537393

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287550-1

Page 24 of 50

Sample Number	2537393-3
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
3-Hexanone	06/05/25 - 07/05/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
3-Pentanone	06/05/25 - 07/05/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acetaldehyde	06/05/25 - 07/05/25	ug/m3	0.05	0.18	Not Detected	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acetone	06/05/25 - 07/05/25	ug/m3	0.08	0.24	6.89	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acetonitrile	06/05/25 - 07/05/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acrolein	06/05/25 - 07/05/25	ug/m3	0.08	0.23	<0.23	0.55	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	06/05/25 - 07/05/25	ug/m3	0.07	0.22	Not Detected	10	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Benzene	06/05/25 - 07/05/25	ug/m3	0.05	0.16	1.79	7.6	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

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Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2537393  
Date Received : May 07, 2025  
Date Reported : May 16, 2025  
Report Number : 3287550-1

Sample Number 2537393-3  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

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Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Benzyl Chloride	06/05/25 - 07/05/25	ug/m3	0.17	0.52	Not Detected	12	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Bromodichloromethane	06/05/25 - 07/05/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Bromoform	06/05/25 - 07/05/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Bromomethane	06/05/25 - 07/05/25	ug/m3	0.06	0.19	0.23	190	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Butanal	06/05/25 - 07/05/25	ug/m3	0.49	1.47	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Carbon Disulfide	06/05/25 - 07/05/25	ug/m3	0.05	0.16	<0.16	100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	06/05/25 - 07/05/25	ug/m3	0.10	0.31	0.50	150	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2537393  
Date Received : May 07, 2025  
Date Reported : May 16, 2025  
Report Number : 3287550-1

Sample Number 2537393-3  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

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Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Chlorodifluoromethane (HCFC-22)	06/05/25 - 07/05/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Chloroethane	06/05/25 - 07/05/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Chloroform	06/05/25 - 07/05/25	ug/m3	0.08	0.24	<0.24	57	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chloromethane	06/05/25 - 07/05/25	ug/m3	0.30	1.03	1.65	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
cis-1,2-Dichloroethene	06/05/25 - 07/05/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
cis-1,3-Dichloropropene	06/05/25 - 07/05/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Cyclohexane	06/05/25 - 07/05/25	ug/m3	0.60	1.72	<1.72	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Cyclopentane	06/05/25 - 07/05/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537393

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287550-1

Page 27 of 50

Sample Number	2537393-3
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E , 1410700N)
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Dichlorodifluoromethane (CFC-112)	06/05/25 - 07/05/25	ug/m3	0.80	2.47	2.57	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Dichloromethane	06/05/25 - 07/05/25	ug/m3	0.06	0.17	0.76	210	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Ethanol	06/05/25 - 07/05/25	ug/m3	0.30	0.94	4.67	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Ethyl Benzene	06/05/25 - 07/05/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexanal	06/05/25 - 07/05/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexane	06/05/25 - 07/05/25	ug/m3	0.60	1.76	3.60	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isobutene	06/05/25 - 07/05/25	ug/m3	0.40	1.15	8.12	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isoprene	06/05/25 - 07/05/25	ug/m3	0.50	1.39	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chonticha Subongkoch

Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537393

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287550-1

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Sample Number	2537393-3
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E , 1410700N)
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
m,p-Xylene	06/05/25 - 07/05/25	ug/m3	1.50	4.34	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methacrolein	06/05/25 - 07/05/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methanol	06/05/25 - 07/05/25	ug/m3	0.20	0.66	8.07	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	06/05/25 - 07/05/25	ug/m3	0.50	1.47	<1.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Iodide	06/05/25 - 07/05/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	06/05/25 - 07/05/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	06/05/25 - 07/05/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	06/05/25 - 07/05/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chonticha Subongkoch

Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2537393  
Date Received : May 07, 2025  
Date Reported : May 16, 2025  
Report Number : 3287550-1

Sample Number 2537393-3  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 29 of 50

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
o-Xylene	06/05/25 - 07/05/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Pentanal	06/05/25 - 07/05/25	ug/m3	0.50	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Pentane	06/05/25 - 07/05/25	ug/m3	0.50	1.48	17.29	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Propanal	06/05/25 - 07/05/25	ug/m3	0.50	1.19	<1.19	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Propene (Propylene)	06/05/25 - 07/05/25	ug/m3	0.30	0.86	5.58	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Styrene	06/05/25 - 07/05/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Tetrachloroethylene	06/05/25 - 07/05/25	ug/m3	0.11	0.34	<0.34	400	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Toluene	06/05/25 - 07/05/25	ug/m3	0.60	1.88	2.49	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2537393  
Date Received : May 07, 2025  
Date Reported : May 16, 2025  
Report Number : 3287550-1

Sample Number 2537393-3  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 30 of 50

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
trans-1,2-Dichloroethene	06/05/25 - 07/05/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
trans-1,3-Dichloropropene	06/05/25 - 07/05/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Trichloroethylene	06/05/25 - 07/05/25	ug/m3	0.09	0.27	Not Detected	130	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	06/05/25 - 07/05/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Vinyl Acetate	06/05/25 - 07/05/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Vinyl Chloride	06/05/25 - 07/05/25	ug/m3	0.04	0.13	Not Detected	20	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542711

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299432-1

Page 21 of 50

Sample Number	2542711-3
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	PTTGC (ร/น 47P 0735154E , 1410700N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	04/06/25 - 05/06/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,1,2,2-Tetrachloroethane	04/06/25 - 05/06/25	ug/m3	0.10	0.34	Not Detected	83	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	04/06/25 - 05/06/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,1,2-Trichloroethane	04/06/25 - 05/06/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,1-Dichloroethane	04/06/25 - 05/06/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,1-Dichloroethene	04/06/25 - 05/06/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,2,3-Trimethylbenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,2,4-Trichlorobenzene	04/06/25 - 05/06/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542711

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299432-1

Page 22 of 50

Sample Number	2542711-3
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	PTTGC (ร/น 47P 0735154E , 1410700N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2,4-Trimethylbenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,2-Dibromoethane	04/06/25 - 05/06/25	ug/m3	0.10	0.38	Not Detected	370	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	04/06/25 - 05/06/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,2-Dichloroethane	04/06/25 - 05/06/25	ug/m3	0.07	0.20	0.24	48	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	04/06/25 - 05/06/25	ug/m3	0.08	0.23	Not Detected	82	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	04/06/25 - 05/06/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,3,5-Trimethylbenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,3-Butadiene	04/06/25 - 05/06/25	ug/m3	0.04	0.11	0.18	5.3	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542711

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299432-1

Page 23 of 50

Sample Number	2542711-3
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,3-Dichlorobenzene	04/06/25 - 05/06/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	04/06/25 - 05/06/25	ug/m3	0.20	0.60	Not Detected	1100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	04/06/25 - 05/06/25	ug/m3	0.10	0.36	Not Detected	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1-Butanol	04/06/25 - 05/06/25	ug/m3	0.50	1.52	3.52	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1-Propanol	04/06/25 - 05/06/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
2-Hexanone	04/06/25 - 05/06/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
2-Pentanone	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
2-Propanol	04/06/25 - 05/06/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542711

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299432-1

Page 24 of 50

Sample Number	2542711-3
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
3-Hexanone	04/06/25 - 05/06/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
3-Pentanone	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Acetaldehyde	04/06/25 - 05/06/25	ug/m3	0.05	0.18	1.01	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acetone	04/06/25 - 05/06/25	ug/m3	0.08	0.24	10.07	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Acetonitrile	04/06/25 - 05/06/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Acrolein	04/06/25 - 05/06/25	ug/m3	0.08	0.23	<0.23	0.55	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	04/06/25 - 05/06/25	ug/m3	0.07	0.22	Not Detected	10	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Benzene	04/06/25 - 05/06/25	ug/m3	0.05	0.16	1.09	7.6	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542711  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299432-1

Page 25 of 50

Sample Number 2542711-3  
Sampled Date Jun 04, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced Jun 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Benzyl Chloride	04/06/25 - 05/06/25	ug/m3	0.17	0.52	Not Detected	12	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Bromodichloromethane	04/06/25 - 05/06/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Bromoform	04/06/25 - 05/06/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Bromomethane	04/06/25 - 05/06/25	ug/m3	0.06	0.19	<0.19	190	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Butanal	04/06/25 - 05/06/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Carbon Disulfide	04/06/25 - 05/06/25	ug/m3	0.05	0.16	<0.16	100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	04/06/25 - 05/06/25	ug/m3	0.10	0.31	0.50	150	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542711  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299432-1

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Sample Number 2542711-3  
Sampled Date Jun 04, 2025  
Sample Description Air Quality  
Location PTTGC (พิกัด 47P 0735154E, 1410700N)  
Date Analysis Commenced Jun 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Chlorodifluoromethane (HCFC-22)	04/06/25 - 05/06/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Chloroethane	04/06/25 - 05/06/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Chloroform	04/06/25 - 05/06/25	ug/m3	0.08	0.24	<0.24	57	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chloromethane	04/06/25 - 05/06/25	ug/m3	0.30	1.03	1.73	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
cis-1,2-Dichloroethene	04/06/25 - 05/06/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	04/06/25 - 05/06/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Cyclohexane	04/06/25 - 05/06/25	ug/m3	0.60	1.72	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Cyclopentane	04/06/25 - 05/06/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542711

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299432-1

Page 27 of 50

Sample Number	2542711-3
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Dichlorodifluoromethane (CFC-112)	04/06/25 - 05/06/25	ug/m3	0.80	2.47	<2.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Dichloromethane	04/06/25 - 05/06/25	ug/m3	0.06	0.17	0.97	210	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Ethanol	04/06/25 - 05/06/25	ug/m3	0.30	0.94	3.92	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Ethyl Benzene	04/06/25 - 05/06/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexanal	04/06/25 - 05/06/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexane	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isobutene	04/06/25 - 05/06/25	ug/m3	0.40	1.15	<1.15	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isoprene	04/06/25 - 05/06/25	ug/m3	0.50	1.39	1.67	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542711

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299432-1

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Sample Number	2542711-3
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E, 1410700N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
m,p-Xylene	04/06/25 - 05/06/25	ug/m3	1.50	4.34	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methacrolein	04/06/25 - 05/06/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methanol	04/06/25 - 05/06/25	ug/m3	0.20	0.66	7.57	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	04/06/25 - 05/06/25	ug/m3	0.50	1.47	<1.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Iodide	04/06/25 - 05/06/25	ug/m3	0.90	2.90	4.88	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	04/06/25 - 05/06/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	04/06/25 - 05/06/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	04/06/25 - 05/06/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542711  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299432-1

Page 29 of 50

Sample Number	2542711-3
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E , 1410700N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
o-Xylene	04/06/25 - 05/06/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Pentanal	04/06/25 - 05/06/25	ug/m3	0.50	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Pentane	04/06/25 - 05/06/25	ug/m3	0.50	1.48	1.71	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Propanal	04/06/25 - 05/06/25	ug/m3	0.50	1.19	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Propene (Propylene)	04/06/25 - 05/06/25	ug/m3	0.30	0.86	1.93	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Styrene	04/06/25 - 05/06/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	04/06/25 - 05/06/25	ug/m3	0.11	0.34	Not Detected	400	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Toluene	04/06/25 - 05/06/25	ug/m3	0.60	1.88	2.04	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542711  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299432-1

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Sample Number	2542711-3
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	PTTGC (พิกัด 47P 0735154E , 1410700N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
trans-1,2-Dichloroethene	04/06/25 - 05/06/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	04/06/25 - 05/06/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Trichloroethylene	04/06/25 - 05/06/25	ug/m3	0.09	0.27	Not Detected	130	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	04/06/25 - 05/06/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Vinyl Acetate	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Vinyl Chloride	04/06/25 - 05/06/25	ug/m3	0.04	0.13	Not Detected	20	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasarnmit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145653

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205953-1

Sample Number 24145653-1  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Jan 20, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 1 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	16/01/25 - 17/01/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2,2-Tetrachloroethane	16/01/25 - 17/01/25	ug/m3	0.10	0.34	Not Detected	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	16/01/25 - 17/01/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2-Trichloroethane	16/01/25 - 17/01/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethane	16/01/25 - 17/01/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethene	16/01/25 - 17/01/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,3-Trimethylbenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trichlorobenzene	16/01/25 - 17/01/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trimethylbenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2-Dibromoethane	16/01/25 - 17/01/25	ug/m3	0.10	0.38	Not Detected	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	16/01/25 - 17/01/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145653

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205953-1

Sample Number 24145653-1  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Jan 20, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 2 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	16/01/25 - 17/01/25	ug/m3	0.07	0.20	<0.20	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	16/01/25 - 17/01/25	ug/m3	0.08	0.23	0.37	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	16/01/25 - 17/01/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3,5-Trimethylbenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3-Butadiene	16/01/25 - 17/01/25	ug/m3	0.04	0.11	<0.11	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	16/01/25 - 17/01/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,4-Dichlorobenzene	16/01/25 - 17/01/25	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	16/01/25 - 17/01/25	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	16/01/25 - 17/01/25	ug/m3	0.50	1.52	3.82	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1-Propanol	16/01/25 - 17/01/25	ug/m3	0.40	1.23	1.92	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Hexanone	16/01/25 - 17/01/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145653

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205953-1

Page 3 of 8

Sample Number	24145653-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	ชุมชนอินทผลุง (หมู่บ้านพุด) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOQ)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	16/01/25 - 17/01/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	16/01/25 - 17/01/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	16/01/25 - 17/01/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	16/01/25 - 17/01/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	16/01/25 - 17/01/25	ug/m3	0.05	0.18	4.62	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	16/01/25 - 17/01/25	ug/m3	0.08	0.24	13.26	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	16/01/25 - 17/01/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	16/01/25 - 17/01/25	ug/m3	0.08	0.23	0.37	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	16/01/25 - 17/01/25	ug/m3	0.07	0.22	Not Detected	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	16/01/25 - 17/01/25	ug/m3	0.05	0.16	0.89	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	16/01/25 - 17/01/25	ug/m3	0.17	0.52	Not Detected	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145653

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205953-1

Page 4 of 8

Sample Number	24145653-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	ชุมชนอินทผลุง (หมู่บ้านพุด) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOQ)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	16/01/25 - 17/01/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	16/01/25 - 17/01/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	16/01/25 - 17/01/25	ug/m3	0.06	0.19	0.23	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	16/01/25 - 17/01/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Carbon Disulfide	16/01/25 - 17/01/25	ug/m3	0.05	0.16	<0.16	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	16/01/25 - 17/01/25	ug/m3	0.10	0.31	<0.31	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	16/01/25 - 17/01/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	16/01/25 - 17/01/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	16/01/25 - 17/01/25	ug/m3	0.08	0.24	0.29	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	16/01/25 - 17/01/25	ug/m3	0.30	1.03	2.19	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 24145653  
Date Received : Jan 17, 2025  
Date Reported : Jan 27, 2025  
Report Number : 3205953-1

Sample Number 24145653-1  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (กรุงเทพมหานคร) (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Jan 20, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	16/01/25 - 17/01/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	16/01/25 - 17/01/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclohexane	16/01/25 - 17/01/25	ug/m3	0.60	1.72	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclopentane	16/01/25 - 17/01/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichlorodifluoromethane (CFC-112)	16/01/25 - 17/01/25	ug/m3	0.80	2.47	2.67	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichloromethane	16/01/25 - 17/01/25	ug/m3	0.06	0.17	2.50	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	16/01/25 - 17/01/25	ug/m3	0.30	0.94	12.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Ethyl Benzene	16/01/25 - 17/01/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexanal	16/01/25 - 17/01/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexane	16/01/25 - 17/01/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Isobutane	16/01/25 - 17/01/25	ug/m3	0.40	1.15	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 24145653  
Date Received : Jan 17, 2025  
Date Reported : Jan 27, 2025  
Report Number : 3205953-1

Sample Number 24145653-1  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (กรุงเทพมหานคร) (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Jan 20, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	16/01/25 - 17/01/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
m,p-Xylene	16/01/25 - 17/01/25	ug/m3	1.50	4.34	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methacrolein	16/01/25 - 17/01/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methanol	16/01/25 - 17/01/25	ug/m3	0.20	0.66	12.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	16/01/25 - 17/01/25	ug/m3	0.50	1.47	4.07	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Iodide	16/01/25 - 17/01/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	16/01/25 - 17/01/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	16/01/25 - 17/01/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	16/01/25 - 17/01/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
o-Xylene	16/01/25 - 17/01/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Pentanal	16/01/25 - 17/01/25	ug/m3	0.50	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145653

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205953-1

Page 7 of 8

Sample Number	24145653-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	16/01/25 - 17/01/25	ug/m3	0.50	1.48	<1.48	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propanal	16/01/25 - 17/01/25	ug/m3	0.50	1.19	<1.19	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propene (Propylene)	16/01/25 - 17/01/25	ug/m3	0.30	0.86	1.45	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Styrene	16/01/25 - 17/01/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	16/01/25 - 17/01/25	ug/m3	0.11	0.34	<0.34	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	16/01/25 - 17/01/25	ug/m3	0.60	1.88	4.07	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,2-Dichloroethene	16/01/25 - 17/01/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	16/01/25 - 17/01/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Trichloroethylene	16/01/25 - 17/01/25	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	16/01/25 - 17/01/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Vinyl Acetate	16/01/25 - 17/01/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145653

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205953-1

Page 8 of 8

Sample Number	24145653-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	16/01/25 - 17/01/25	ug/m3	0.04	0.13	Not Detected	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 253556  
Date Received : Feb 05, 2025  
Date Reported : Feb 14, 2025  
Report Number : 3211529-1

Sample Number 253556-1  
Sampled Date Feb 04, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (กรุงเทพมหานคร) (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Feb 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 1 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	04/02/25 - 05/02/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloroethane	04/02/25 - 05/02/25	ug/m3	0.10	0.34	0.41	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	04/02/25 - 05/02/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	04/02/25 - 05/02/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	04/02/25 - 05/02/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	04/02/25 - 05/02/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	04/02/25 - 05/02/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trimethylbenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	04/02/25 - 05/02/25	ug/m3	0.10	0.38	0.46	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	04/02/25 - 05/02/25	ug/m3	0.20	0.60	0.84	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
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P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 253556  
Date Received : Feb 05, 2025  
Date Reported : Feb 14, 2025  
Report Number : 3211529-1

Sample Number 253556-1  
Sampled Date Feb 04, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (กรุงเทพมหานคร) (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Feb 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 2 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	04/02/25 - 05/02/25	ug/m3	0.07	0.20	<0.20	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	04/02/25 - 05/02/25	ug/m3	0.08	0.23	<0.23	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	04/02/25 - 05/02/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3-Butadiene	04/02/25 - 05/02/25	ug/m3	0.04	0.11	1.19	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	04/02/25 - 05/02/25	ug/m3	0.20	0.60	0.72	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	04/02/25 - 05/02/25	ug/m3	0.20	0.60	0.96	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	04/02/25 - 05/02/25	ug/m3	0.10	0.36	0.58	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	04/02/25 - 05/02/25	ug/m3	0.50	1.52	2.67	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1-Propanol	04/02/25 - 05/02/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Hexanone	04/02/25 - 05/02/25	ug/m3	0.70	2.05	2.54	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253556

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211529-1

Page 3 of 8

Sample Number	253556-1
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	ชุมชนเจ็ดหมอก (หมู่บ้านหมอก) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	04/02/25 - 05/02/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	04/02/25 - 05/02/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	04/02/25 - 05/02/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	04/02/25 - 05/02/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	04/02/25 - 05/02/25	ug/m3	0.05	0.18	0.90	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	04/02/25 - 05/02/25	ug/m3	0.08	0.24	10.12	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	04/02/25 - 05/02/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	04/02/25 - 05/02/25	ug/m3	0.08	0.23	0.41	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	04/02/25 - 05/02/25	ug/m3	0.07	0.22	0.52	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/02/25 - 05/02/25	ug/m3	0.05	0.16	2.62	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	04/02/25 - 05/02/25	ug/m3	0.17	0.52	0.83	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253556

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211529-1

Page 4 of 8

Sample Number	253556-1
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	ชุมชนเจ็ดหมอก (หมู่บ้านหมอก) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	04/02/25 - 05/02/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	04/02/25 - 05/02/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	04/02/25 - 05/02/25	ug/m3	0.06	0.19	0.54	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	04/02/25 - 05/02/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Carbon Disulfide	04/02/25 - 05/02/25	ug/m3	0.05	0.16	0.19	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	04/02/25 - 05/02/25	ug/m3	0.10	0.31	<0.31	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	04/02/25 - 05/02/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	04/02/25 - 05/02/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	04/02/25 - 05/02/25	ug/m3	0.08	0.24	<0.24	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	04/02/25 - 05/02/25	ug/m3	0.30	1.03	2.07	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253556

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211529-1

Sample Number 253556-1  
Sampled Date Feb 04, 2025  
Sample Description Air Quality  
Location หมู่บ้านพัฒนา (หมู่บ้านพัฒนา) (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Feb 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 5 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	04/02/25 - 05/02/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	04/02/25 - 05/02/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclohexane	04/02/25 - 05/02/25	ug/m3	0.60	1.72	2.13	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclopentane	04/02/25 - 05/02/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichlorodifluoromethane (CFC-112)	04/02/25 - 05/02/25	ug/m3	0.80	2.47	2.67	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichloromethane	04/02/25 - 05/02/25	ug/m3	0.06	0.17	2.22	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	04/02/25 - 05/02/25	ug/m3	0.30	0.94	8.71	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Ethyl Benzene	04/02/25 - 05/02/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexanal	04/02/25 - 05/02/25	ug/m3	0.60	2.05	3.36	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexane	04/02/25 - 05/02/25	ug/m3	0.60	1.76	3.31	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Isobutene	04/02/25 - 05/02/25	ug/m3	0.40	1.15	1.65	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253556

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211529-1

Sample Number 253556-1  
Sampled Date Feb 04, 2025  
Sample Description Air Quality  
Location หมู่บ้านพัฒนา (หมู่บ้านพัฒนา) (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Feb 06, 2025  
Condition of Sample Drawn into one 6-L Canister

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Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	04/02/25 - 05/02/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
m,p-Xylene	04/02/25 - 05/02/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methacrolein	04/02/25 - 05/02/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methanol	04/02/25 - 05/02/25	ug/m3	0.20	0.66	14.99	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	04/02/25 - 05/02/25	ug/m3	0.50	1.47	2.48	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Iodide	04/02/25 - 05/02/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	04/02/25 - 05/02/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	04/02/25 - 05/02/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	04/02/25 - 05/02/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
o-Xylene	04/02/25 - 05/02/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Pentanal	04/02/25 - 05/02/25	ug/m3	0.50	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253556

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211529-1

Page 7 of 8

Sample Number	253556-1
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Pentane	04/02/25 - 05/02/25	ug/m3	0.50	1.48	5.61	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propanal	04/02/25 - 05/02/25	ug/m3	0.50	1.19	<1.19	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propene (Propylene)	04/02/25 - 05/02/25	ug/m3	0.30	0.86	7.40	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Styrene	04/02/25 - 05/02/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	04/02/25 - 05/02/25	ug/m3	0.11	0.34	<0.34	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	04/02/25 - 05/02/25	ug/m3	0.60	1.88	6.03	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,2-Dichloroethene	04/02/25 - 05/02/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	04/02/25 - 05/02/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Trichloroethylene	04/02/25 - 05/02/25	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	04/02/25 - 05/02/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Vinyl Acetate	04/02/25 - 05/02/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253556

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211529-1

Page 8 of 8

Sample Number	253556-1
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Vinyl Chloride	04/02/25 - 05/02/25	ug/m3	0.04	0.13	0.31	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518564

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243918-1

Sample Number 2518564-1  
Sampled Date Mar 11, 2025  
Sample Description Air Quality  
Location ทุเรียนนิคมพัฒนา (หมู่บ้านหนองคต) (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Mar 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 1 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	11/03/25 - 12/03/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloroethane	11/03/25 - 12/03/25	ug/m3	0.10	0.34	0.82	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	11/03/25 - 12/03/25	ug/m3	1.00	3.83	<3.83	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	11/03/25 - 12/03/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	11/03/25 - 12/03/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	11/03/25 - 12/03/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	11/03/25 - 12/03/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trimethylbenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	11/03/25 - 12/03/25	ug/m3	0.10	0.38	0.77	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	11/03/25 - 12/03/25	ug/m3	0.20	0.60	<0.60	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

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Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518564

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243918-1

Sample Number 2518564-1  
Sampled Date Mar 11, 2025  
Sample Description Air Quality  
Location ทุเรียนนิคมพัฒนา (หมู่บ้านหนองคต) (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Mar 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 2 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	11/03/25 - 12/03/25	ug/m3	0.07	0.20	<0.20	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	11/03/25 - 12/03/25	ug/m3	0.08	0.23	0.55	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	11/03/25 - 12/03/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3-Butadiene	11/03/25 - 12/03/25	ug/m3	0.04	0.11	0.66	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	11/03/25 - 12/03/25	ug/m3	0.20	0.60	<0.60	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	11/03/25 - 12/03/25	ug/m3	0.20	0.60	0.60	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	11/03/25 - 12/03/25	ug/m3	0.10	0.36	0.36	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	11/03/25 - 12/03/25	ug/m3	0.50	1.52	37.17	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1-Propanol	11/03/25 - 12/03/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Hexanone	11/03/25 - 12/03/25	ug/m3	0.70	2.05	5.08	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518564

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243918-1

Page 3 of 8

Sample Number	2518564-1
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	11/03/25 - 12/03/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	11/03/25 - 12/03/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	11/03/25 - 12/03/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	11/03/25 - 12/03/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	11/03/25 - 12/03/25	ug/m3	0.05	0.18	1.30	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	11/03/25 - 12/03/25	ug/m3	0.08	0.24	11.73	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	11/03/25 - 12/03/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	11/03/25 - 12/03/25	ug/m3	0.08	0.23	0.50	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	11/03/25 - 12/03/25	ug/m3	0.07	0.22	<0.22	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	11/03/25 - 12/03/25	ug/m3	0.05	0.16	4.60	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	11/03/25 - 12/03/25	ug/m3	0.17	0.52	0.62	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518564

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243918-1

Page 4 of 8

Sample Number	2518564-1
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	11/03/25 - 12/03/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	11/03/25 - 12/03/25	ug/m3	1.00	5.17	<5.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	11/03/25 - 12/03/25	ug/m3	0.06	0.19	0.70	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	11/03/25 - 12/03/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Carbon Disulfide	11/03/25 - 12/03/25	ug/m3	0.05	0.16	0.50	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	11/03/25 - 12/03/25	ug/m3	0.10	0.31	0.88	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	11/03/25 - 12/03/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	11/03/25 - 12/03/25	ug/m3	0.40	1.32	<1.32	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	11/03/25 - 12/03/25	ug/m3	0.08	0.24	0.39	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	11/03/25 - 12/03/25	ug/m3	0.30	1.03	1.78	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2518564  
Date Received : Mar 12, 2025  
Date Reported : Mar 21, 2025  
Report Number : 3243918-1

Sample Number 2518564-1  
Sampled Date Mar 11, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Mar 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	11/03/25 - 12/03/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	11/03/25 - 12/03/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclohexane	11/03/25 - 12/03/25	ug/m3	0.60	1.72	2.00	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclopentane	11/03/25 - 12/03/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichlorodifluoromethane (CFC-112)	11/03/25 - 12/03/25	ug/m3	0.80	2.47	2.87	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichloromethane	11/03/25 - 12/03/25	ug/m3	0.06	0.17	3.27	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	11/03/25 - 12/03/25	ug/m3	0.30	0.94	8.10	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Ethyl Benzene	11/03/25 - 12/03/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexanal	11/03/25 - 12/03/25	ug/m3	0.60	2.05	2.21	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexane	11/03/25 - 12/03/25	ug/m3	0.60	1.76	5.71	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Isobutene	11/03/25 - 12/03/25	ug/m3	0.40	1.15	1.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2518564  
Date Received : Mar 12, 2025  
Date Reported : Mar 21, 2025  
Report Number : 3243918-1

Sample Number 2518564-1  
Sampled Date Mar 11, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Mar 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	11/03/25 - 12/03/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
m,p-Xylene	11/03/25 - 12/03/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methacrolein	11/03/25 - 12/03/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methanol	11/03/25 - 12/03/25	ug/m3	0.20	0.66	12.95	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	11/03/25 - 12/03/25	ug/m3	0.50	1.47	3.36	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Iodide	11/03/25 - 12/03/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	11/03/25 - 12/03/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	11/03/25 - 12/03/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	11/03/25 - 12/03/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
o-Xylene	11/03/25 - 12/03/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Pentanal	11/03/25 - 12/03/25	ug/m3	0.50	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518564

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243918-1

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Sample Number	2518564-1
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	11/03/25 - 12/03/25	ug/m3	0.50	1.48	4.25	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propanal	11/03/25 - 12/03/25	ug/m3	0.50	1.19	1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propene (Propylene)	11/03/25 - 12/03/25	ug/m3	0.30	0.86	9.91	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Styrene	11/03/25 - 12/03/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	11/03/25 - 12/03/25	ug/m3	0.11	0.34	0.81	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	11/03/25 - 12/03/25	ug/m3	0.60	1.88	11.38	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,2-Dichloroethene	11/03/25 - 12/03/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	11/03/25 - 12/03/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Trichloroethylene	11/03/25 - 12/03/25	ug/m3	0.09	0.27	0.32	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	11/03/25 - 12/03/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Vinyl Acetate	11/03/25 - 12/03/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518564

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243918-1

Page 8 of 8

Sample Number	2518564-1
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	11/03/25 - 12/03/25	ug/m3	0.04	0.13	0.51	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection

- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522303

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251900-1

Sample Number 2522303-1  
Sampled Date Apr 01, 2025  
Sample Description Air Quality  
Location ชุมชนเนินพลอง (หมู่บ้านพลอง) (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Apr 03, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 1 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	01/04/25 - 02/04/25	ug/m3	0.90	2.73	<2.73	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloroethane	01/04/25 - 02/04/25	ug/m3	0.10	0.34	1.65	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	01/04/25 - 02/04/25	ug/m3	1.00	3.83	<3.83	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	01/04/25 - 02/04/25	ug/m3	0.90	2.73	<2.73	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	01/04/25 - 02/04/25	ug/m3	0.70	2.02	<2.02	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	01/04/25 - 02/04/25	ug/m3	0.70	1.98	<1.98	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	01/04/25 - 02/04/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trimethylbenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.46	2.75	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	01/04/25 - 02/04/25	ug/m3	0.10	0.38	1.23	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	01/04/25 - 02/04/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522303

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251900-1

Sample Number 2522303-1  
Sampled Date Apr 01, 2025  
Sample Description Air Quality  
Location ชุมชนเนินพลอง (หมู่บ้านพลอง) (พิกัด 47P 0736529E, 1411273N)  
Date Analysis Commenced Apr 03, 2025  
Condition of Sample Drawn into one 6-L Canister

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Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	01/04/25 - 02/04/25	ug/m3	0.07	0.20	Not Detected	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	01/04/25 - 02/04/25	ug/m3	0.08	0.23	1.20	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	01/04/25 - 02/04/25	ug/m3	1.20	3.50	<3.50	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3-Butadiene	01/04/25 - 02/04/25	ug/m3	0.04	0.11	0.71	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	01/04/25 - 02/04/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	01/04/25 - 02/04/25	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	01/04/25 - 02/04/25	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	01/04/25 - 02/04/25	ug/m3	0.50	1.52	5.46	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1-Propanol	01/04/25 - 02/04/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Hexanone	01/04/25 - 02/04/25	ug/m3	0.70	2.05	4.51	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

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Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
**P/O :** PMM-23-22  
**Project Name :** EIA Monitor  
**Project Location :**

**Lot ID: 2522303**  
**Date Received :** Apr 02, 2025  
**Date Reported :** Apr 10, 2025  
**Report Number :** 3251900-1

Page 3 of 8

<b>Sample Number</b>	2522303-1
<b>Sampled Date</b>	Apr 01, 2025
<b>Sample Description</b>	Air Quality
<b>Location</b>	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
<b>Date Analysis Commenced</b>	Apr 03, 2025
<b>Condition of Sample</b>	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
2-Pentanone	01/04/25 - 02/04/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	01/04/25 - 02/04/25	ug/m3	0.40	1.23	2.26	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	01/04/25 - 02/04/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	01/04/25 - 02/04/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	01/04/25 - 02/04/25	ug/m3	0.05	0.18	1.23	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	01/04/25 - 02/04/25	ug/m3	0.08	0.24	15.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	01/04/25 - 02/04/25	ug/m3	0.30	0.84	0.91	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	01/04/25 - 02/04/25	ug/m3	0.08	0.23	0.46	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	01/04/25 - 02/04/25	ug/m3	0.07	0.22	0.39	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/04/25 - 02/04/25	ug/m3	0.05	0.16	3.13	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	01/04/25 - 02/04/25	ug/m3	0.17	0.52	1.14	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

*Chontichak*

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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**P/O :** PMM-23-22  
**Project Name :** EIA Monitor  
**Project Location :**

**Lot ID: 2522303**  
**Date Received :** Apr 02, 2025  
**Date Reported :** Apr 10, 2025  
**Report Number :** 3251900-1

Page 4 of 8

<b>Sample Number</b>	2522303-1
<b>Sampled Date</b>	Apr 01, 2025
<b>Sample Description</b>	Air Quality
<b>Location</b>	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
<b>Date Analysis Commenced</b>	Apr 03, 2025
<b>Condition of Sample</b>	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Bromodichloromethane	01/04/25 - 02/04/25	ug/m3	1.00	3.35	<3.35	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	01/04/25 - 02/04/25	ug/m3	1.00	5.17	<5.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	01/04/25 - 02/04/25	ug/m3	0.06	0.19	1.24	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	01/04/25 - 02/04/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Carbon Disulfide	01/04/25 - 02/04/25	ug/m3	0.05	0.16	0.69	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	01/04/25 - 02/04/25	ug/m3	0.10	0.31	0.38	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.30	<2.30	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	01/04/25 - 02/04/25	ug/m3	0.60	1.77	2.19	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	01/04/25 - 02/04/25	ug/m3	0.40	1.32	<1.32	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	01/04/25 - 02/04/25	ug/m3	0.08	0.24	<0.24	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	01/04/25 - 02/04/25	ug/m3	0.30	1.03	2.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

*Chontichak*

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522303

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251900-1

Sample Number	2522303-1
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Page 5 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	01/04/25 - 02/04/25	ug/m3	0.70	1.98	<1.98	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	01/04/25 - 02/04/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclohexane	01/04/25 - 02/04/25	ug/m3	0.60	1.72	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclopentane	01/04/25 - 02/04/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichlorodifluoromethane (CFC-112)	01/04/25 - 02/04/25	ug/m3	0.80	2.47	3.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichloromethane	01/04/25 - 02/04/25	ug/m3	0.06	0.17	4.52	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	01/04/25 - 02/04/25	ug/m3	0.30	0.94	16.20	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Ethyl Benzene	01/04/25 - 02/04/25	ug/m3	0.70	2.17	2.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexanal	01/04/25 - 02/04/25	ug/m3	0.60	2.05	2.70	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexane	01/04/25 - 02/04/25	ug/m3	0.60	1.76	1.97	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Isobutene	01/04/25 - 02/04/25	ug/m3	0.40	1.15	2.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522303

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251900-1

Sample Number	2522303-1
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Page 6 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	01/04/25 - 02/04/25	ug/m3	0.50	1.39	1.50	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
m,p-Xylene	01/04/25 - 02/04/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methacrolein	01/04/25 - 02/04/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methanol	01/04/25 - 02/04/25	ug/m3	0.20	0.66	13.08	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	01/04/25 - 02/04/25	ug/m3	0.50	1.47	9.32	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Iodide	01/04/25 - 02/04/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	01/04/25 - 02/04/25	ug/m3	0.70	2.05	3.28	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	01/04/25 - 02/04/25	ug/m3	0.60	1.80	<1.80	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	01/04/25 - 02/04/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
o-Xylene	01/04/25 - 02/04/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Pentanal	01/04/25 - 02/04/25	ug/m3	0.50	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522303

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251900-1

Page 7 of 8

Sample Number	2522303-1
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	ชุมชนนิคมอุตสาหกรรม (หมู่บ้านหนองคอก) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Pentane	01/04/25 - 02/04/25	ug/m3	0.50	1.48	2.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propanal	01/04/25 - 02/04/25	ug/m3	0.50	1.19	1.66	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propene (Propylene)	01/04/25 - 02/04/25	ug/m3	0.30	0.86	4.92	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Styrene	01/04/25 - 02/04/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	01/04/25 - 02/04/25	ug/m3	0.11	0.34	1.36	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	01/04/25 - 02/04/25	ug/m3	0.60	1.88	2.64	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,2-Dichloroethene	01/04/25 - 02/04/25	ug/m3	0.70	1.98	<1.98	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	01/04/25 - 02/04/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Trichloroethylene	01/04/25 - 02/04/25	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	01/04/25 - 02/04/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Vinyl Acetate	01/04/25 - 02/04/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522303

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251900-1

Page 8 of 8

Sample Number	2522303-1
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	ชุมชนนิคมอุตสาหกรรม (หมู่บ้านหนองคอก) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Vinyl Chloride	01/04/25 - 02/04/25	ug/m3	0.04	0.13	0.66	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537389

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287546-1

Page 1 of 10

**Sample Number** 2537389-1  
**Sampled Date** May 06, 2025  
**Sample Description** Air Quality  
**Location** หมู่บ้านพัฒนา (หมู่บ้านพัฒนา) (พิกัด 47P 0736529E, 1411273N)  
**Date Analysis Commenced** May 13, 2025  
**Condition of Sample** Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	06/05/25 - 07/05/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloroethane	06/05/25 - 07/05/25	ug/m3	0.10	0.34	Not Detected	83	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	06/05/25 - 07/05/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	06/05/25 - 07/05/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	06/05/25 - 07/05/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	06/05/25 - 07/05/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	06/05/25 - 07/05/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537389

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287546-1

Page 2 of 10

**Sample Number** 2537389-1  
**Sampled Date** May 06, 2025  
**Sample Description** Air Quality  
**Location** หมู่บ้านพัฒนา (หมู่บ้านพัฒนา) (พิกัด 47P 0736529E, 1411273N)  
**Date Analysis Commenced** May 13, 2025  
**Condition of Sample** Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2,4-Trimethylbenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	06/05/25 - 07/05/25	ug/m3	0.10	0.38	Not Detected	370	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	06/05/25 - 07/05/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2-Dichloroethane	06/05/25 - 07/05/25	ug/m3	0.07	0.20	<0.20	48	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	06/05/25 - 07/05/25	ug/m3	0.08	0.23	Not Detected	82	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	06/05/25 - 07/05/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,3-Butadiene	06/05/25 - 07/05/25	ug/m3	0.04	0.11	0.18	5.3	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537389

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287546-1

Page 3 of 10

Sample Number	2537389-1
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	จุดตรวจคุณภาพอากาศ (หน้าบ้านพหลฯ) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,3-Dichlorobenzene	06/05/25 - 07/05/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,4-Dichlorobenzene	06/05/25 - 07/05/25	ug/m3	0.20	0.60	Not Detected	1100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	06/05/25 - 07/05/25	ug/m3	0.10	0.36	Not Detected	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1-Butanol	06/05/25 - 07/05/25	ug/m3	0.50	1.52	4.79	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1-Propanol	06/05/25 - 07/05/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Hexanone	06/05/25 - 07/05/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Pentanone	06/05/25 - 07/05/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Propanol	06/05/25 - 07/05/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537389

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287546-1

Page 4 of 10

Sample Number	2537389-1
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	จุดตรวจคุณภาพอากาศ (หน้าบ้านพหลฯ) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
3-Hexanone	06/05/25 - 07/05/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
3-Pentanone	06/05/25 - 07/05/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acetaldehyde	06/05/25 - 07/05/25	ug/m3	0.05	0.18	7.79	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acetone	06/05/25 - 07/05/25	ug/m3	0.08	0.24	13.68	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acetonitrile	06/05/25 - 07/05/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acrolein	06/05/25 - 07/05/25	ug/m3	0.08	0.23	0.27	0.55	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	06/05/25 - 07/05/25	ug/m3	0.07	0.22	Not Detected	10	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Benzene	06/05/25 - 07/05/25	ug/m3	0.05	0.16	2.04	7.6	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537389

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287546-1

Page 5 of 10

**Sample Number** : 2537389-1  
**Sampled Date** : May 06, 2025  
**Sample Description** : Air Quality  
**Location** : กรุงเทพมหานคร (หมู่บ้านหนอง) (พิกัด 47P 0736529E, 1411273N)  
**Date Analysis Commenced** : May 13, 2025  
**Condition of Sample** : Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Benzyl Chloride	06/05/25 - 07/05/25	ug/m3	0.17	0.52	Not Detected	12	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Bromodichloromethane	06/05/25 - 07/05/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Bromoform	06/05/25 - 07/05/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Bromomethane	06/05/25 - 07/05/25	ug/m3	0.06	0.19	0.23	190	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Butanal	06/05/25 - 07/05/25	ug/m3	0.49	1.47	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Carbon Disulfide	06/05/25 - 07/05/25	ug/m3	0.05	0.16	0.25	100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	06/05/25 - 07/05/25	ug/m3	0.10	0.31	0.38	150	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537389

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287546-1

Page 6 of 10

**Sample Number** : 2537389-1  
**Sampled Date** : May 06, 2025  
**Sample Description** : Air Quality  
**Location** : กรุงเทพมหานคร (หมู่บ้านหนอง) (พิกัด 47P 0736529E, 1411273N)  
**Date Analysis Commenced** : May 13, 2025  
**Condition of Sample** : Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Chlorodifluoromethane (HCFC-22)	06/05/25 - 07/05/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Chloroethane	06/05/25 - 07/05/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Chloroform	06/05/25 - 07/05/25	ug/m3	0.08	0.24	Not Detected	57	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chloromethane	06/05/25 - 07/05/25	ug/m3	0.30	1.03	1.90	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
cis-1,2-Dichloroethene	06/05/25 - 07/05/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
cis-1,3-Dichloropropene	06/05/25 - 07/05/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Cyclohexane	06/05/25 - 07/05/25	ug/m3	0.60	1.72	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Cyclopentane	06/05/25 - 07/05/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2537389  
Date Received : May 07, 2025  
Date Reported : May 16, 2025  
Report Number : 3287546-1

Page 7 of 10

Sample Number	2537389-1
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านหนอง) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Dichlorodifluoromethane (CFC-112)	06/05/25 - 07/05/25	ug/m3	0.80	2.47	2.57	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Dichloromethane	06/05/25 - 07/05/25	ug/m3	0.06	0.17	9.66	210	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Ethanol	06/05/25 - 07/05/25	ug/m3	0.30	0.94	13.38	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Ethyl Benzene	06/05/25 - 07/05/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Hexanal	06/05/25 - 07/05/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Hexane	06/05/25 - 07/05/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isobutene	06/05/25 - 07/05/25	ug/m3	0.40	1.15	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isoprene	06/05/25 - 07/05/25	ug/m3	0.50	1.39	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

*Chontichak*  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2537389  
Date Received : May 07, 2025  
Date Reported : May 16, 2025  
Report Number : 3287546-1

Page 8 of 10

Sample Number	2537389-1
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านหนอง) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
m,p-Xylene	06/05/25 - 07/05/25	ug/m3	1.50	4.34	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methacrolein	06/05/25 - 07/05/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methanol	06/05/25 - 07/05/25	ug/m3	0.20	0.66	12.11	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	06/05/25 - 07/05/25	ug/m3	0.50	1.47	<1.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Iodide	06/05/25 - 07/05/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	06/05/25 - 07/05/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	06/05/25 - 07/05/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	06/05/25 - 07/05/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

*Chontichak*  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537389

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287546-1

Sample Number 2537389-1  
 Sampled Date May 06, 2025  
 Sample Description Air Quality  
 Location หมู่บ้านเนินพยอม (หมู่บ้านหนอง) (พิกัด 47P 0736529E, 1411273N)  
 Date Analysis Commenced May 13, 2025  
 Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
o-Xylene	06/05/25 - 07/05/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Pentanal	06/05/25 - 07/05/25	ug/m3	0.50	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Pentane	06/05/25 - 07/05/25	ug/m3	0.50	1.48	<1.48	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Propanal	06/05/25 - 07/05/25	ug/m3	0.50	1.19	<1.19	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Propene (Propylene)	06/05/25 - 07/05/25	ug/m3	0.30	0.86	1.00	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Styrene	06/05/25 - 07/05/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	06/05/25 - 07/05/25	ug/m3	0.11	0.34	Not Detected	400	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Toluene	06/05/25 - 07/05/25	ug/m3	0.60	1.88	4.15	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537389

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287546-1

Sample Number 2537389-1  
 Sampled Date May 06, 2025  
 Sample Description Air Quality  
 Location หมู่บ้านเนินพยอม (หมู่บ้านหนอง) (พิกัด 47P 0736529E, 1411273N)  
 Date Analysis Commenced May 13, 2025  
 Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
trans-1,2-Dichloroethene	06/05/25 - 07/05/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	06/05/25 - 07/05/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Trichloroethylene	06/05/25 - 07/05/25	ug/m3	0.09	0.27	Not Detected	130	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	06/05/25 - 07/05/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Vinyl Acetate	06/05/25 - 07/05/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Vinyl Chloride	06/05/25 - 07/05/25	ug/m3	0.04	0.13	<0.13	20	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542704

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299426-1

Page 1 of 10

Sample Number	2542704-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOB)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	04/06/25 - 05/06/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,1,2,2-Tetrachloroethane	04/06/25 - 05/06/25	ug/m3	0.10	0.34	Not Detected	83	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	04/06/25 - 05/06/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	04/06/25 - 05/06/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	04/06/25 - 05/06/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	04/06/25 - 05/06/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	04/06/25 - 05/06/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chonticha

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542704

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299426-1

Page 2 of 10

Sample Number	2542704-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOB)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2,4-Trimethylbenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	04/06/25 - 05/06/25	ug/m3	0.10	0.38	Not Detected	370	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	04/06/25 - 05/06/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,2-Dichloroethane	04/06/25 - 05/06/25	ug/m3	0.07	0.20	<0.20	48	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	04/06/25 - 05/06/25	ug/m3	0.08	0.23	Not Detected	82	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	04/06/25 - 05/06/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,3,5-Trimethylbenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,3-Butadiene	04/06/25 - 05/06/25	ug/m3	0.04	0.11	0.27	5.3	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chonticha

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542704

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299426-1

Sample Number	2542704-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนนิคมอุตสาหกรรม (หมู่บ้านหนอง) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Page 3 of 10

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
1,3-Dichlorobenzene	04/06/25 - 05/06/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	04/06/25 - 05/06/25	ug/m3	0.20	0.60	Not Detected	1100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	04/06/25 - 05/06/25	ug/m3	0.10	0.36	Not Detected	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1-Butanol	04/06/25 - 05/06/25	ug/m3	0.50	1.52	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1-Propanol	04/06/25 - 05/06/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
2-Hexanone	04/06/25 - 05/06/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
2-Pentanone	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
2-Propanol	04/06/25 - 05/06/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542704

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299426-1

Sample Number	2542704-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนนิคมอุตสาหกรรม (หมู่บ้านหนอง) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Page 4 of 10

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
3-Hexanone	04/06/25 - 05/06/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
3-Pentanone	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Acetaldehyde	04/06/25 - 05/06/25	ug/m3	0.05	0.18	1.98	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acetone	04/06/25 - 05/06/25	ug/m3	0.08	0.24	12.59	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Acetonitrile	04/06/25 - 05/06/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Acrolein	04/06/25 - 05/06/25	ug/m3	0.08	0.23	<0.23	0.55	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	04/06/25 - 05/06/25	ug/m3	0.07	0.22	Not Detected	10	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Benzene	04/06/25 - 05/06/25	ug/m3	0.05	0.16	3.07	7.6	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542704

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299426-1

Page 5 of 10

Sample Number	2542704-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	จุดตรวจคุณภาพอากาศ (หน้าบ้านพหลฯ) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Benzyl Chloride	04/06/25 - 05/06/25	ug/m3	0.17	0.52	Not Detected	12	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Bromodichloromethane	04/06/25 - 05/06/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Bromoform	04/06/25 - 05/06/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Bromomethane	04/06/25 - 05/06/25	ug/m3	0.06	0.19	<0.19	190	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Butanal	04/06/25 - 05/06/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Carbon Disulfide	04/06/25 - 05/06/25	ug/m3	0.05	0.16	Not Detected	100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	04/06/25 - 05/06/25	ug/m3	0.10	0.31	0.38	150	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chonticha

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542704

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299426-1

Page 6 of 10

Sample Number	2542704-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	จุดตรวจคุณภาพอากาศ (หน้าบ้านพหลฯ) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Chlorodifluoromethane (HCFC-22)	04/06/25 - 05/06/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Chloroethane	04/06/25 - 05/06/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Chloroform	04/06/25 - 05/06/25	ug/m3	0.08	0.24	<0.24	57	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chloromethane	04/06/25 - 05/06/25	ug/m3	0.30	1.03	1.49	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
cis-1,2-Dichloroethene	04/06/25 - 05/06/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
cis-1,3-Dichloropropene	04/06/25 - 05/06/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Cyclohexane	04/06/25 - 05/06/25	ug/m3	0.60	1.72	<1.72	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Cyclopentane	04/06/25 - 05/06/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chonticha

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542704

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299426-1

Sample Number	2542704-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

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Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Dichlorodifluoromethane (CFC-112)	04/06/25 - 05/06/25	ug/m3	0.80	2.47	<2.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Dichloromethane	04/06/25 - 05/06/25	ug/m3	0.06	0.17	2.71	210	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Ethanol	04/06/25 - 05/06/25	ug/m3	0.30	0.94	3.35	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Ethyl Benzene	04/06/25 - 05/06/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexanal	04/06/25 - 05/06/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexane	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isobutene	04/06/25 - 05/06/25	ug/m3	0.40	1.15	2.25	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isoprene	04/06/25 - 05/06/25	ug/m3	0.50	1.39	2.12	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542704

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299426-1

Sample Number	2542704-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Page 8 of 10

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
m,p-Xylene	04/06/25 - 05/06/25	ug/m3	1.50	4.34	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methacrolein	04/06/25 - 05/06/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methanol	04/06/25 - 05/06/25	ug/m3	0.20	0.66	6.97	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	04/06/25 - 05/06/25	ug/m3	0.50	1.47	<1.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Iodide	04/06/25 - 05/06/25	ug/m3	0.90	2.90	3.37	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	04/06/25 - 05/06/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	04/06/25 - 05/06/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	04/06/25 - 05/06/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542704

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299426-1

Page 9 of 10

Sample Number	2542704-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านหนอง) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
o-Xylene	04/06/25 - 05/06/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Pentanal	04/06/25 - 05/06/25	ug/m3	0.50	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Pentane	04/06/25 - 05/06/25	ug/m3	0.50	1.48	6.02	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Propanal	04/06/25 - 05/06/25	ug/m3	0.50	1.19	1.24	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Propene (Propylene)	04/06/25 - 05/06/25	ug/m3	0.30	0.86	6.88	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Styrene	04/06/25 - 05/06/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Tetrachloroethylene	04/06/25 - 05/06/25	ug/m3	0.11	0.34	0.54	400	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Toluene	04/06/25 - 05/06/25	ug/m3	0.60	1.88	2.49	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichok

Chonticha Subongkoch  
Scientist (3)

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Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542704

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299426-1

Page 10 of 10

Sample Number	2542704-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านหนอง) (พิกัด 47P 0736529E, 1411273N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
trans-1,2-Dichloroethene	04/06/25 - 05/06/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	04/06/25 - 05/06/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Trichloroethylene	04/06/25 - 05/06/25	ug/m3	0.09	0.27	Not Detected	130	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	04/06/25 - 05/06/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Vinyl Acetate	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Vinyl Chloride	04/06/25 - 05/06/25	ug/m3	0.04	0.13	0.26	20	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasarnmit Kueanpet

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichok

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145652

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205954-1

Page 1 of 8

Sample Number	24145652-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	จุดตรวจคุณภาพอากาศ (พิกัด 47P 0735259E ,1408966N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	16/01/25 - 17/01/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2,2-Tetrachloroethane	16/01/25 - 17/01/25	ug/m3	0.10	0.34	Not Detected	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	16/01/25 - 17/01/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2-Trichloroethane	16/01/25 - 17/01/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethane	16/01/25 - 17/01/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethene	16/01/25 - 17/01/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,3-Trimethylbenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trichlorobenzene	16/01/25 - 17/01/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trimethylbenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2-Dibromoethane	16/01/25 - 17/01/25	ug/m3	0.10	0.38	Not Detected	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	16/01/25 - 17/01/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145652

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205954-1

Page 2 of 8

Sample Number	24145652-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	จุดตรวจคุณภาพอากาศ (พิกัด 47P 0735259E ,1408966N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	16/01/25 - 17/01/25	ug/m3	0.07	0.20	<0.20	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	16/01/25 - 17/01/25	ug/m3	0.08	0.23	0.37	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	16/01/25 - 17/01/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3,5-Trimethylbenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3-Butadiene	16/01/25 - 17/01/25	ug/m3	0.04	0.11	<0.11	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	16/01/25 - 17/01/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,4-Dichlorobenzene	16/01/25 - 17/01/25	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	16/01/25 - 17/01/25	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	16/01/25 - 17/01/25	ug/m3	0.50	1.52	<1.52	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1-Propanol	16/01/25 - 17/01/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Hexanone	16/01/25 - 17/01/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 24145652  
Date Received : Jan 17, 2025  
Date Reported : Jan 27, 2025  
Report Number : 3205954-1

Page 3 of 8

Sample Number 24145652-1  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location หมู่บ้านบ้านนา (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced Jan 20, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	16/01/25 - 17/01/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	16/01/25 - 17/01/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	16/01/25 - 17/01/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	16/01/25 - 17/01/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	16/01/25 - 17/01/25	ug/m3	0.05	0.18	1.05	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	16/01/25 - 17/01/25	ug/m3	0.08	0.24	13.21	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	16/01/25 - 17/01/25	ug/m3	0.30	0.84	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	16/01/25 - 17/01/25	ug/m3	0.08	0.23	0.37	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	16/01/25 - 17/01/25	ug/m3	0.07	0.22	Not Detected	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	16/01/25 - 17/01/25	ug/m3	0.05	0.16	0.89	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	16/01/25 - 17/01/25	ug/m3	0.17	0.52	Not Detected	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 24145652  
Date Received : Jan 17, 2025  
Date Reported : Jan 27, 2025  
Report Number : 3205954-1

Page 4 of 8

Sample Number 24145652-1  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location หมู่บ้านบ้านนา (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced Jan 20, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	16/01/25 - 17/01/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	16/01/25 - 17/01/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	16/01/25 - 17/01/25	ug/m3	0.06	0.19	<0.19	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	16/01/25 - 17/01/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Carbon Disulfide	16/01/25 - 17/01/25	ug/m3	0.05	0.16	<0.16	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	16/01/25 - 17/01/25	ug/m3	0.10	0.31	<0.31	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	16/01/25 - 17/01/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	16/01/25 - 17/01/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	16/01/25 - 17/01/25	ug/m3	0.08	0.24	0.29	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	16/01/25 - 17/01/25	ug/m3	0.30	1.03	2.11	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145652

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205954-1

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Sample Number	24145652-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	ชุมชนบ้านนาบอน (พิกัด 47P 0735259E , 1408966N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	16/01/25 - 17/01/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	16/01/25 - 17/01/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclohexane	16/01/25 - 17/01/25	ug/m3	0.60	1.72	<1.72	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclopentane	16/01/25 - 17/01/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichlorodifluoromethane (CFC-112)	16/01/25 - 17/01/25	ug/m3	0.80	2.47	2.57	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichloromethane	16/01/25 - 17/01/25	ug/m3	0.06	0.17	1.95	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	16/01/25 - 17/01/25	ug/m3	0.30	0.94	11.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Ethyl Benzene	16/01/25 - 17/01/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexanal	16/01/25 - 17/01/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexane	16/01/25 - 17/01/25	ug/m3	0.60	1.76	5.50	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Isobutene	16/01/25 - 17/01/25	ug/m3	0.40	1.15	1.29	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

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Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145652

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205954-1

Page 6 of 8

Sample Number	24145652-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	ชุมชนบ้านนาบอน (พิกัด 47P 0735259E , 1408966N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	16/01/25 - 17/01/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
m,p-Xylene	16/01/25 - 17/01/25	ug/m3	1.50	4.34	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methacrolein	16/01/25 - 17/01/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methanol	16/01/25 - 17/01/25	ug/m3	0.20	0.66	11.74	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	16/01/25 - 17/01/25	ug/m3	0.50	1.47	3.66	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Iodide	16/01/25 - 17/01/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	16/01/25 - 17/01/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	16/01/25 - 17/01/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	16/01/25 - 17/01/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
o-Xylene	16/01/25 - 17/01/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Pentanal	16/01/25 - 17/01/25	ug/m3	0.50	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

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Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145652

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205954-1

Page 7 of 6

Sample Number	24145652-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	ชุมชนบ้านนา (พิกัด 47P 0735259E, 1408966N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Pentane	16/01/25 - 17/01/25	ug/m3	0.50	1.48	7.50	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propanal	16/01/25 - 17/01/25	ug/m3	0.50	1.19	1.28	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	16/01/25 - 17/01/25	ug/m3	0.30	0.86	4.34	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Styrene	16/01/25 - 17/01/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Tetrachloroethylene	16/01/25 - 17/01/25	ug/m3	0.11	0.34	<0.34	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	16/01/25 - 17/01/25	ug/m3	0.60	1.88	2.79	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,2-Dichloroethene	16/01/25 - 17/01/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,3-Dichloropropene	16/01/25 - 17/01/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Trichloroethylene	16/01/25 - 17/01/25	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	16/01/25 - 17/01/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Vinyl Acetate	16/01/25 - 17/01/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145652

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205954-1

Page 8 of 8

Sample Number	24145652-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	ชุมชนบ้านนา (พิกัด 47P 0735259E, 1408966N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Vinyl Chloride	16/01/25 - 17/01/25	ug/m3	0.04	0.13	Not Detected	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection

- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253555

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211530-1

Page 1 of 8

Sample Number	253555-1
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	พิกัด 47P 0735259E ,1408966N
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	04/02/25 - 05/02/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2,2-Tetrachloroethane	04/02/25 - 05/02/25	ug/m3	0.10	0.34	Not Detected	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	04/02/25 - 05/02/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2-Trichloroethane	04/02/25 - 05/02/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethane	04/02/25 - 05/02/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethene	04/02/25 - 05/02/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,3-Trimethylbenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trichlorobenzene	04/02/25 - 05/02/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trimethylbenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2-Dibromoethane	04/02/25 - 05/02/25	ug/m3	0.10	0.38	Not Detected	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	04/02/25 - 05/02/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253555

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211530-1

Page 2 of 8

Sample Number	253555-1
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	พิกัด 47P 0735259E ,1408966N
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	04/02/25 - 05/02/25	ug/m3	0.07	0.20	0.73	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	04/02/25 - 05/02/25	ug/m3	0.08	0.23	<0.23	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	04/02/25 - 05/02/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3,5-Trimethylbenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3-Butadiene	04/02/25 - 05/02/25	ug/m3	0.04	0.11	1.90	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	04/02/25 - 05/02/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,4-Dichlorobenzene	04/02/25 - 05/02/25	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	04/02/25 - 05/02/25	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	04/02/25 - 05/02/25	ug/m3	0.50	1.52	5.52	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1-Propanol	04/02/25 - 05/02/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Hexanone	04/02/25 - 05/02/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253555

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211530-1

Page 3 of 8

Sample Number	253555-1
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	หมู่ที่ 47P 0735259E ,1408966N
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	04/02/25 - 05/02/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Propanol	04/02/25 - 05/02/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
3-Hexanone	04/02/25 - 05/02/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
3-Pentanone	04/02/25 - 05/02/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acetaldehyde	04/02/25 - 05/02/25	ug/m3	0.05	0.18	1.26	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	04/02/25 - 05/02/25	ug/m3	0.08	0.24	10.12	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acetonitrile	04/02/25 - 05/02/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acrolein	04/02/25 - 05/02/25	ug/m3	0.08	0.23	0.32	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	04/02/25 - 05/02/25	ug/m3	0.07	0.22	0.48	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/02/25 - 05/02/25	ug/m3	0.05	0.16	2.81	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	04/02/25 - 05/02/25	ug/m3	0.17	0.52	Not Detected	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253555

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211530-1

Page 4 of 8

Sample Number	253555-1
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	หมู่ที่ 47P 0735259E ,1408966N
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	04/02/25 - 05/02/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Bromoform	04/02/25 - 05/02/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Bromomethane	04/02/25 - 05/02/25	ug/m3	0.06	0.19	0.39	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	04/02/25 - 05/02/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Carbon Disulfide	04/02/25 - 05/02/25	ug/m3	0.05	0.16	<0.16	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	04/02/25 - 05/02/25	ug/m3	0.10	0.31	<0.31	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chlorodifluoromethane (HCFC-22)	04/02/25 - 05/02/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chloroethane	04/02/25 - 05/02/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chloroform	04/02/25 - 05/02/25	ug/m3	0.08	0.24	<0.24	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	04/02/25 - 05/02/25	ug/m3	0.30	1.03	2.02	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 253555  
Date Received : Feb 05, 2025  
Date Reported : Feb 14, 2025  
Report Number : 3211530-1

Sample Number 253555-1  
Sampled Date Feb 04, 2025  
Sample Description Air Quality  
Location หมู่บ้านนาบอน (พิกัด 47P 0735259E , 1408966N)  
Date Analysis Commenced Feb 06, 2025  
Condition of Sample Drawn into one 6-L Canister

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Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
cis-1,2-Dichloroethene	04/02/25 - 05/02/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
cis-1,3-Dichloropropene	04/02/25 - 05/02/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Cyclohexane	04/02/25 - 05/02/25	ug/m3	0.60	1.72	2.41	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Cyclopentane	04/02/25 - 05/02/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Dichlorodifluoromethane (CFC-112)	04/02/25 - 05/02/25	ug/m3	0.80	2.47	2.67	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Dichloromethane	04/02/25 - 05/02/25	ug/m3	0.06	0.17	0.63	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	04/02/25 - 05/02/25	ug/m3	0.30	0.94	6.67	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Ethyl Benzene	04/02/25 - 05/02/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Hexanal	04/02/25 - 05/02/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Hexane	04/02/25 - 05/02/25	ug/m3	0.60	1.76	4.37	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Isobutene	04/02/25 - 05/02/25	ug/m3	0.40	1.15	2.71	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 253555  
Date Received : Feb 05, 2025  
Date Reported : Feb 14, 2025  
Report Number : 3211530-1

Sample Number 253555-1  
Sampled Date Feb 04, 2025  
Sample Description Air Quality  
Location หมู่บ้านนาบอน (พิกัด 47P 0735259E , 1408966N)  
Date Analysis Commenced Feb 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 6 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Isoprene	04/02/25 - 05/02/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
m,p-Xylene	04/02/25 - 05/02/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methacrolein	04/02/25 - 05/02/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methanol	04/02/25 - 05/02/25	ug/m3	0.20	0.66	15.86	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Ethyl Ketone	04/02/25 - 05/02/25	ug/m3	0.50	1.47	2.71	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Iodide	04/02/25 - 05/02/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Isobutyl Ketone	04/02/25 - 05/02/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl tert butyl ether	04/02/25 - 05/02/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Vinyl Ketone	04/02/25 - 05/02/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
o-Xylene	04/02/25 - 05/02/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Pentanal	04/02/25 - 05/02/25	ug/m3	0.50	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 253555  
Date Received : Feb 05, 2025  
Date Reported : Feb 14, 2025  
Report Number : 3211530-1

Page 7 of 8

Sample Number 253555-1  
Sampled Date Feb 04, 2025  
Sample Description Air Quality  
Location หมู่บ้านบ้านนา (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced Feb 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	04/02/25 - 05/02/25	ug/m3	0.50	1.48	5.72	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propanal	04/02/25 - 05/02/25	ug/m3	0.50	1.19	<1.19	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propene (Propylene)	04/02/25 - 05/02/25	ug/m3	0.30	0.86	5.47	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Styrene	04/02/25 - 05/02/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	04/02/25 - 05/02/25	ug/m3	0.11	0.34	<0.34	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	04/02/25 - 05/02/25	ug/m3	0.60	1.88	6.56	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,2-Dichloroethene	04/02/25 - 05/02/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	04/02/25 - 05/02/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Trichloroethylene	04/02/25 - 05/02/25	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	04/02/25 - 05/02/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Vinyl Acetate	04/02/25 - 05/02/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 253555  
Date Received : Feb 05, 2025  
Date Reported : Feb 14, 2025  
Report Number : 3211530-1

Page 8 of 8

Sample Number 253555-1  
Sampled Date Feb 04, 2025  
Sample Description Air Quality  
Location หมู่บ้านบ้านนา (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced Feb 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	04/02/25 - 05/02/25	ug/m3	0.04	0.13	0.36	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518561

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243916-1

Sample Number 2518561-1  
Sampled Date Mar 11, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced Mar 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 1 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	11/03/25 - 12/03/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2,2-Tetrachloroethane	11/03/25 - 12/03/25	ug/m3	0.10	0.34	1.10	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	11/03/25 - 12/03/25	ug/m3	1.00	3.83	<3.83	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2-Trichloroethane	11/03/25 - 12/03/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethane	11/03/25 - 12/03/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethene	11/03/25 - 12/03/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,3-Trimethylbenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trichlorobenzene	11/03/25 - 12/03/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trimethylbenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2-Dibromoethane	11/03/25 - 12/03/25	ug/m3	0.10	0.38	1.23	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	11/03/25 - 12/03/25	ug/m3	0.20	0.60	0.60	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518561

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243916-1

Sample Number 2518561-1  
Sampled Date Mar 11, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced Mar 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 2 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	11/03/25 - 12/03/25	ug/m3	0.07	0.20	0.32	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	11/03/25 - 12/03/25	ug/m3	0.08	0.23	0.65	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	11/03/25 - 12/03/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3,5-Trimethylbenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3-Butadiene	11/03/25 - 12/03/25	ug/m3	0.04	0.11	0.88	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	11/03/25 - 12/03/25	ug/m3	0.20	0.60	0.60	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,4-Dichlorobenzene	11/03/25 - 12/03/25	ug/m3	0.20	0.60	0.60	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	11/03/25 - 12/03/25	ug/m3	0.10	0.36	0.43	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	11/03/25 - 12/03/25	ug/m3	0.50	1.52	2.85	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1-Propanol	11/03/25 - 12/03/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Hexanone	11/03/25 - 12/03/25	ug/m3	0.70	2.05	7.21	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518561

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243916-1

Page 3 of 8

Sample Number	2518561-1
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	จุดตรวจอากาศ (พิกัด 47P 0735259E ,1408966N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
2-Pentanone	11/03/25 - 12/03/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	11/03/25 - 12/03/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	11/03/25 - 12/03/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	11/03/25 - 12/03/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	11/03/25 - 12/03/25	ug/m3	0.05	0.18	1.98	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	11/03/25 - 12/03/25	ug/m3	0.08	0.24	8.69	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	11/03/25 - 12/03/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	11/03/25 - 12/03/25	ug/m3	0.08	0.23	0.41	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	11/03/25 - 12/03/25	ug/m3	0.07	0.22	0.35	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	11/03/25 - 12/03/25	ug/m3	0.05	0.16	4.09	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	11/03/25 - 12/03/25	ug/m3	0.17	0.52	0.83	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch

Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518561

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243916-1

Page 4 of 8

Sample Number	2518561-1
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	จุดตรวจอากาศ (พิกัด 47P 0735259E ,1408966N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Bromodichloromethane	11/03/25 - 12/03/25	ug/m3	1.00	3.35	<3.35	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	11/03/25 - 12/03/25	ug/m3	1.00	5.17	<5.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	11/03/25 - 12/03/25	ug/m3	0.06	0.19	0.78	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	11/03/25 - 12/03/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Carbon Disulfide	11/03/25 - 12/03/25	ug/m3	0.05	0.16	0.44	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	11/03/25 - 12/03/25	ug/m3	0.10	0.31	1.01	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	11/03/25 - 12/03/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	11/03/25 - 12/03/25	ug/m3	0.40	1.32	<1.32	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	11/03/25 - 12/03/25	ug/m3	0.08	0.24	0.39	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	11/03/25 - 12/03/25	ug/m3	0.30	1.03	1.73	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch

Scientist (3)

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Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

**Lot ID: 2518561**  
Date Received : Mar 12, 2025  
Date Reported : Mar 21, 2025  
Report Number : 3243916-1

Page 5 of 8

Sample Number	2518561-1
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	ถนนพหลโยธิน (หลัก 47P 0735259E ,1408966N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	11/03/25 - 12/03/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
cis-1,3-Dichloropropene	11/03/25 - 12/03/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Cyclohexane	11/03/25 - 12/03/25	ug/m3	0.60	1.72	2.20	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Cyclopentane	11/03/25 - 12/03/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Dichlorodifluoromethane (CFC-112)	11/03/25 - 12/03/25	ug/m3	0.80	2.47	2.97	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Dichloromethane	11/03/25 - 12/03/25	ug/m3	0.06	0.17	1.11	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	11/03/25 - 12/03/25	ug/m3	0.30	0.94	8.52	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Ethyl Benzene	11/03/25 - 12/03/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Hexanal	11/03/25 - 12/03/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Hexane	11/03/25 - 12/03/25	ug/m3	0.60	1.76	7.40	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Isobutene	11/03/25 - 12/03/25	ug/m3	0.40	1.15	3.08	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong

**Approved by**

Chonticha Subongkoch  
Scientist (3)

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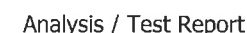
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**Client :** RIL 1996 Co., Ltd.  
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**P/O :** PMM-Z3-22  
**Project Name :** EIA Monitor  
**Project Location :**

**Lot ID: 2518561**  
Date Received : Mar 12, 2025  
Date Reported : Mar 21, 2025  
Report Number : 3243916-1

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<b>Sample Number</b>	2518561-1
<b>Sampled Date</b>	Mar 11, 2025
<b>Sample Description</b>	Air Quality
<b>Location</b>	ถนนพหลโยธิน (พัสดุ 47P 0735259E ,1408966N)
<b>Date Analysis Commenced</b>	Mar 13, 2025
<b>Condition of Sample</b>	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	11/03/25 - 12/03/25	ug/m3	0.50	1.39	1.95	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
m,p-Xylene	11/03/25 - 12/03/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methacrolein	11/03/25 - 12/03/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methanol	11/03/25 - 12/03/25	ug/m3	0.20	0.66	16.51	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methyl Ethyl Ketone	11/03/25 - 12/03/25	ug/m3	0.50	1.47	1.83	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methyl Iodide	11/03/25 - 12/03/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methyl Isobutyl Ketone	11/03/25 - 12/03/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methyl tert butyl ether	11/03/25 - 12/03/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Methyl Vinyl Ketone	11/03/25 - 12/03/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
o-Xylene	11/03/25 - 12/03/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong
Pentanal	11/03/25 - 12/03/25	ug/m3	0.50	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	+	Rayong

Approved by \_\_\_\_\_

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

**Client :** RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
**P/O :** PMM-23-22  
**Project Name :** EIA Monitor  
**Project Location :**

**Lot ID: 2518561**  
**Date Received :** Mar 12, 2025  
**Date Reported :** Mar 21, 2025  
**Report Number :** 3243916-1

Page 7 of 8

**Sample Number** 2518561-1  
**Sampled Date** Mar 11, 2025  
**Sample Description** Air Quality  
**Location** กรุงเทพมหานคร (พิกัด 47P 0735259E, 1408966N)  
**Date Analysis Commenced** Mar 13, 2025  
**Condition of Sample** Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Pentane	11/03/25 - 12/03/25	ug/m3	0.50	1.48	5.43	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propanal	11/03/25 - 12/03/25	ug/m3	0.50	1.19	1.52	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	11/03/25 - 12/03/25	ug/m3	0.30	0.86	8.36	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Styrene	11/03/25 - 12/03/25	ug/m3	0.70	2.13	<2.13	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Tetrachloroethylene	11/03/25 - 12/03/25	ug/m3	0.11	0.34	1.09	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	11/03/25 - 12/03/25	ug/m3	0.60	1.88	7.46	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,2-Dichloroethene	11/03/25 - 12/03/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,3-Dichloropropene	11/03/25 - 12/03/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Trichloroethylene	11/03/25 - 12/03/25	ug/m3	0.09	0.27	0.32	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	11/03/25 - 12/03/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Vinyl Acetate	11/03/25 - 12/03/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

*Chontichak*  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

**Client :** RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
**P/O :** PMM-23-22  
**Project Name :** EIA Monitor  
**Project Location :**

**Lot ID: 2518561**  
**Date Received :** Mar 12, 2025  
**Date Reported :** Mar 21, 2025  
**Report Number :** 3243916-1

Page 8 of 8

**Sample Number** 2518561-1  
**Sampled Date** Mar 11, 2025  
**Sample Description** Air Quality  
**Location** กรุงเทพมหานคร (พิกัด 47P 0735259E, 1408966N)  
**Date Analysis Commenced** Mar 13, 2025  
**Condition of Sample** Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Vinyl Chloride	11/03/25 - 12/03/25	ug/m3	0.04	0.13	0.77	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

**Sampled By :** Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantization) / LOR (Limit of Reporting)

Approved by

*Chontichak*  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2522301  
Date Received : Apr 02, 2025  
Date Reported : Apr 10, 2025  
Report Number : 3251897-1

Sample Number 2522301-1  
Sampled Date Apr 01, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced Apr 03, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	01/04/25 - 02/04/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloroethane	01/04/25 - 02/04/25	ug/m3	0.10	0.34	0.69	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	01/04/25 - 02/04/25	ug/m3	1.00	3.83	<3.83	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	01/04/25 - 02/04/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	01/04/25 - 02/04/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	01/04/25 - 02/04/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	01/04/25 - 02/04/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trimethylbenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	01/04/25 - 02/04/25	ug/m3	0.10	0.38	0.46	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	01/04/25 - 02/04/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2522301  
Date Received : Apr 02, 2025  
Date Reported : Apr 10, 2025  
Report Number : 3251897-1

Sample Number 2522301-1  
Sampled Date Apr 01, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced Apr 03, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	01/04/25 - 02/04/25	ug/m3	0.07	0.20	Not Detected	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	01/04/25 - 02/04/25	ug/m3	0.08	0.23	0.65	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	01/04/25 - 02/04/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3-Butadiene	01/04/25 - 02/04/25	ug/m3	0.04	0.11	0.40	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	01/04/25 - 02/04/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	01/04/25 - 02/04/25	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	01/04/25 - 02/04/25	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	01/04/25 - 02/04/25	ug/m3	0.50	1.52	1.94	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1-Propanol	01/04/25 - 02/04/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Hexanone	01/04/25 - 02/04/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2522301  
Date Received : Apr 02, 2025  
Date Reported : Apr 10, 2025  
Report Number : 3251897-1

Page 3 of 8

Sample Number	2522301-1
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	จุดตรวจอากาศ (พิกัด 47P 0735259E , 1408966N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	01/04/25 - 02/04/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	01/04/25 - 02/04/25	ug/m3	0.40	1.23	1.72	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	01/04/25 - 02/04/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	01/04/25 - 02/04/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	01/04/25 - 02/04/25	ug/m3	0.05	0.18	0.29	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	01/04/25 - 02/04/25	ug/m3	0.08	0.24	16.11	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	01/04/25 - 02/04/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	01/04/25 - 02/04/25	ug/m3	0.08	0.23	0.41	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	01/04/25 - 02/04/25	ug/m3	0.07	0.22	<0.22	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/04/25 - 02/04/25	ug/m3	0.05	0.16	3.32	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	01/04/25 - 02/04/25	ug/m3	0.17	0.52	<0.52	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2522301  
Date Received : Apr 02, 2025  
Date Reported : Apr 10, 2025  
Report Number : 3251897-1

Page 4 of 8

Sample Number	2522301-1
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	จุดตรวจอากาศ (พิกัด 47P 0735259E , 1408966N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	01/04/25 - 02/04/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	01/04/25 - 02/04/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	01/04/25 - 02/04/25	ug/m3	0.06	0.19	0.78	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	01/04/25 - 02/04/25	ug/m3	0.49	1.47	1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Carbon Disulfide	01/04/25 - 02/04/25	ug/m3	0.05	0.16	3.74	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	01/04/25 - 02/04/25	ug/m3	0.10	0.31	0.38	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	01/04/25 - 02/04/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	01/04/25 - 02/04/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	01/04/25 - 02/04/25	ug/m3	0.08	0.24	0.29	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	01/04/25 - 02/04/25	ug/m3	0.30	1.03	2.56	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522301

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251897-1

Sample Number 2522301-1  
Sampled Date Apr 01, 2025  
Sample Description Air Quality  
Location ม.หนองนาถนาถ (พิกัด 47P 0735259E , 1408966N)  
Date Analysis Commenced Apr 03, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 5 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	01/04/25 - 02/04/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	01/04/25 - 02/04/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclohexane	01/04/25 - 02/04/25	ug/m3	0.60	1.72	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclopentane	01/04/25 - 02/04/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichlorodifluoromethane (CFC-112)	01/04/25 - 02/04/25	ug/m3	0.80	2.47	3.07	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichloromethane	01/04/25 - 02/04/25	ug/m3	0.06	0.17	1.81	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	01/04/25 - 02/04/25	ug/m3	0.30	0.94	12.93	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Ethyl Benzene	01/04/25 - 02/04/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexanal	01/04/25 - 02/04/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexane	01/04/25 - 02/04/25	ug/m3	0.60	1.76	6.49	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Isobutene	01/04/25 - 02/04/25	ug/m3	0.40	1.15	1.29	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522301

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251897-1

Sample Number 2522301-1  
Sampled Date Apr 01, 2025  
Sample Description Air Quality  
Location ม.หนองนาถนาถ (พิกัด 47P 0735259E , 1408966N)  
Date Analysis Commenced Apr 03, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 6 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	01/04/25 - 02/04/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
m,p-Xylene	01/04/25 - 02/04/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methacrolein	01/04/25 - 02/04/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methanol	01/04/25 - 02/04/25	ug/m3	0.20	0.66	15.25	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	01/04/25 - 02/04/25	ug/m3	0.50	1.47	8.20	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Iodide	01/04/25 - 02/04/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	01/04/25 - 02/04/25	ug/m3	0.70	2.05	2.13	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	01/04/25 - 02/04/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	01/04/25 - 02/04/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
o-Xylene	01/04/25 - 02/04/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Pentanal	01/04/25 - 02/04/25	ug/m3	0.50	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522301

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251897-1

Page 7 of 8

Sample Number	2522301-1
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	ท่าอากาศยาน (พิกัด 47P 0735259E ,1408966N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	01/04/25 - 02/04/25	ug/m3	0.50	1.48	6.14	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propanal	01/04/25 - 02/04/25	ug/m3	0.50	1.19	1.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propene (Propylene)	01/04/25 - 02/04/25	ug/m3	0.30	0.86	3.44	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Styrene	01/04/25 - 02/04/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	01/04/25 - 02/04/25	ug/m3	0.11	0.34	2.31	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	01/04/25 - 02/04/25	ug/m3	0.60	1.88	<1.88	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,2-Dichloroethene	01/04/25 - 02/04/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	01/04/25 - 02/04/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Trichloroethylene	01/04/25 - 02/04/25	ug/m3	0.09	0.27	1.40	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	01/04/25 - 02/04/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Vinyl Acetate	01/04/25 - 02/04/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522301

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251897-1

Page 8 of 8

Sample Number	2522301-1
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	ท่าอากาศยาน (พิกัด 47P 0735259E ,1408966N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	01/04/25 - 02/04/25	ug/m3	0.04	0.13	0.36	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection

- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537386

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287543-1

Sample Number 2537386-1  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location วนอุทยานแห่งชาติ (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 1 of 10

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	06/05/25 - 07/05/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,1,2,2-Tetrachloroethane	06/05/25 - 07/05/25	ug/m3	0.10	0.34	Not Detected	83	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	06/05/25 - 07/05/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,1,2-Trichloroethane	06/05/25 - 07/05/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,1-Dichloroethane	06/05/25 - 07/05/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,1-Dichloroethene	06/05/25 - 07/05/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,2,3-Trimethylbenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,2,4-Trichlorobenzene	06/05/25 - 07/05/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537386

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287543-1

Sample Number 2537386-1  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location วนอุทยานแห่งชาติ (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 2 of 10

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2,4-Trimethylbenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,2-Dibromoethane	06/05/25 - 07/05/25	ug/m3	0.10	0.38	Not Detected	370	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	06/05/25 - 07/05/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,2-Dichloroethane	06/05/25 - 07/05/25	ug/m3	0.07	0.20	<0.20	48	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	06/05/25 - 07/05/25	ug/m3	0.08	0.23	Not Detected	82	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	06/05/25 - 07/05/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,3,5-Trimethylbenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,3-Butadiene	06/05/25 - 07/05/25	ug/m3	0.04	0.11	0.13	5.3	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537386

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287543-1

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Sample Number	2537386-1
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	จุดตรวจคุณภาพอากาศ (พิกัด 47P 0735259E, 1408966N)
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,3-Dichlorobenzene	06/05/25 - 07/05/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,4-Dichlorobenzene	06/05/25 - 07/05/25	ug/m3	0.20	0.60	Not Detected	1100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	06/05/25 - 07/05/25	ug/m3	0.10	0.36	Not Detected	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1-Butanol	06/05/25 - 07/05/25	ug/m3	0.50	1.52	2.00	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1-Propanol	06/05/25 - 07/05/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Hexanone	06/05/25 - 07/05/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Pentanone	06/05/25 - 07/05/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Propanol	06/05/25 - 07/05/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichok

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537386

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287543-1

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Sample Number	2537386-1
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	จุดตรวจคุณภาพอากาศ (พิกัด 47P 0735259E, 1408966N)
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
3-Hexanone	06/05/25 - 07/05/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
3-Pentanone	06/05/25 - 07/05/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Acetaldehyde	06/05/25 - 07/05/25	ug/m3	0.05	0.18	7.58	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acetone	06/05/25 - 07/05/25	ug/m3	0.08	0.24	5.80	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acetonitrile	06/05/25 - 07/05/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acrolein	06/05/25 - 07/05/25	ug/m3	0.08	0.23	<0.23	0.55	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	06/05/25 - 07/05/25	ug/m3	0.07	0.22	Not Detected	10	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Benzene	06/05/25 - 07/05/25	ug/m3	0.05	0.16	0.58	7.6	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichok

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537386

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287543-1

Sample Number 2537386-1  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location หนองนาเกลือ (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Benzyl Chloride	06/05/25 - 07/05/25	ug/m3	0.17	0.52	Not Detected	12	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Bromodichloromethane	06/05/25 - 07/05/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Bromoform	06/05/25 - 07/05/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Bromomethane	06/05/25 - 07/05/25	ug/m3	0.06	0.19	0.23	190	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Butanal	06/05/25 - 07/05/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Carbon Disulfide	06/05/25 - 07/05/25	ug/m3	0.05	0.16	0.19	100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	06/05/25 - 07/05/25	ug/m3	0.10	0.31	0.50	150	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537386

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287543-1

Sample Number 2537386-1  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location หนองนาเกลือ (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Chlorodifluoromethane (HCFC-22)	06/05/25 - 07/05/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Chloroethane	06/05/25 - 07/05/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Chloroform	06/05/25 - 07/05/25	ug/m3	0.08	0.24	<0.24	57	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chloromethane	06/05/25 - 07/05/25	ug/m3	0.30	1.03	1.86	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
cis-1,2-Dichloroethene	06/05/25 - 07/05/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	06/05/25 - 07/05/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Cyclohexane	06/05/25 - 07/05/25	ug/m3	0.60	1.72	<1.72	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Cyclopentane	06/05/25 - 07/05/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537386

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287543-1

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Sample Number	2537386-1
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	ชุมชนบ้านนา (พิกัด 47P 0735259E ,1408966N)
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Dichlorodifluoromethane (CFC-112)	06/05/25 - 07/05/25	ug/m3	0.80	2.47	2.57	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Dichloromethane	06/05/25 - 07/05/25	ug/m3	0.06	0.17	0.83	210	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Ethanol	06/05/25 - 07/05/25	ug/m3	0.30	0.94	12.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Ethyl Benzene	06/05/25 - 07/05/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexanal	06/05/25 - 07/05/25	ug/m3	0.60	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexane	06/05/25 - 07/05/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isobutene	06/05/25 - 07/05/25	ug/m3	0.40	1.15	<1.15	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isoprene	06/05/25 - 07/05/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537386

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287543-1

Page 8 of 10

Sample Number	2537386-1
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	ชุมชนบ้านนา (พิกัด 47P 0735259E ,1408966N)
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
m,p-Xylene	06/05/25 - 07/05/25	ug/m3	1.50	4.34	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methacrolein	06/05/25 - 07/05/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methanol	06/05/25 - 07/05/25	ug/m3	0.20	0.66	9.25	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	06/05/25 - 07/05/25	ug/m3	0.50	1.47	<1.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Iodide	06/05/25 - 07/05/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	06/05/25 - 07/05/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	06/05/25 - 07/05/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	06/05/25 - 07/05/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537386

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287543-1

Sample Number 2537386-1  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location ชุมชนบ้านขน (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 9 of 10

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
o-Xylene	06/05/25 - 07/05/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Pentanal	06/05/25 - 07/05/25	ug/m3	0.50	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Pentane	06/05/25 - 07/05/25	ug/m3	0.50	1.48	≤1.48	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Propanal	06/05/25 - 07/05/25	ug/m3	0.50	1.19	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Propene (Propylene)	06/05/25 - 07/05/25	ug/m3	0.30	0.86	1.17	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Styrene	06/05/25 - 07/05/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Tetrachloroethylene	06/05/25 - 07/05/25	ug/m3	0.11	0.34	Not Detected	400	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Toluene	06/05/25 - 07/05/25	ug/m3	0.60	1.88	6.26	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537386

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287543-1

Sample Number 2537386-1  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location ชุมชนบ้านขน (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 10 of 10

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
trans-1,2-Dichloroethene	06/05/25 - 07/05/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
trans-1,3-Dichloropropene	06/05/25 - 07/05/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Trichloroethylene	06/05/25 - 07/05/25	ug/m3	0.09	0.27	Not Detected	130	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	06/05/25 - 07/05/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Vinyl Acetate	06/05/25 - 07/05/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Vinyl Chloride	06/05/25 - 07/05/25	ug/m3	0.04	0.13	Not Detected	20	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542702  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299418-1

Page 1 of 10

Sample Number	2542702-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนบ้านนา (พิกัด 47P 0735259E ,1408966N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	04/06/25 - 05/06/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,1,2,2-Tetrachloroethane	04/06/25 - 05/06/25	ug/m3	0.10	0.34	Not Detected	83	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	04/06/25 - 05/06/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,1,2-Trichloroethane	04/06/25 - 05/06/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,1-Dichloroethane	04/06/25 - 05/06/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,1-Dichloroethene	04/06/25 - 05/06/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,2,3-Trimethylbenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,2,4-Trichlorobenzene	04/06/25 - 05/06/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542702  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299418-1

Page 2 of 10

Sample Number	2542702-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนบ้านนา (พิกัด 47P 0735259E ,1408966N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2,4-Trimethylbenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,2-Dibromoethane	04/06/25 - 05/06/25	ug/m3	0.10	0.38	Not Detected	370	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	04/06/25 - 05/06/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,2-Dichloroethane	04/06/25 - 05/06/25	ug/m3	0.07	0.20	<0.20	48	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	04/06/25 - 05/06/25	ug/m3	0.08	0.23	Not Detected	82	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	04/06/25 - 05/06/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,3,5-Trimethylbenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,3-Butadiene	04/06/25 - 05/06/25	ug/m3	0.04	0.11	0.27	5.3	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542702

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299418-1

Sample Number 2542702-1  
Sampled Date Jun 04, 2025  
Sample Description Air Quality  
Location หมู่ ๖ ตำบลบ้านใหม่ อำเภอเมืองระยอง (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced Jun 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 3 of 10

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,3-Dichlorobenzene	04/06/25 - 05/06/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,4-Dichlorobenzene	04/06/25 - 05/06/25	ug/m3	0.20	0.60	Not Detected	1100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	04/06/25 - 05/06/25	ug/m3	0.10	0.36	Not Detected	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1-Butanol	04/06/25 - 05/06/25	ug/m3	0.50	1.52	1.58	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1-Propanol	04/06/25 - 05/06/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Hexanone	04/06/25 - 05/06/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Pentanone	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Propanol	04/06/25 - 05/06/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542702

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299418-1

Sample Number 2542702-1  
Sampled Date Jun 04, 2025  
Sample Description Air Quality  
Location หมู่ ๖ ตำบลบ้านใหม่ อำเภอเมืองระยอง (พิกัด 47P 0735259E ,1408966N)  
Date Analysis Commenced Jun 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 4 of 10

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
3-Hexanone	04/06/25 - 05/06/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
3-Pentanone	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acetaldehyde	04/06/25 - 05/06/25	ug/m3	0.05	0.18	1.19	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acetone	04/06/25 - 05/06/25	ug/m3	0.08	0.24	6.79	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acetonitrile	04/06/25 - 05/06/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acrolein	04/06/25 - 05/06/25	ug/m3	0.08	0.23	<0.23	0.55	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	04/06/25 - 05/06/25	ug/m3	0.07	0.22	Not Detected	10	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Benzene	04/06/25 - 05/06/25	ug/m3	0.05	0.16	3.00	7.6	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

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Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542702  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299418-1

Page 5 of 10

Sample Number 2542702-1  
Sampled Date Jun 04, 2025  
Sample Description Air Quality  
Location รพช.บ้านนา (พิกัด 47P 0735259E, 1408966N)  
Date Analysis Commenced Jun 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Benzyl Chloride	04/06/25 - 05/06/25	ug/m3	0.17	0.52	Not Detected	12	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Bromodichloromethane	04/06/25 - 05/06/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Bromoform	04/06/25 - 05/06/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Bromomethane	04/06/25 - 05/06/25	ug/m3	0.06	0.19	0.23	190	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Butanal	04/06/25 - 05/06/25	ug/m3	0.49	1.47	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Carbon Disulfide	04/06/25 - 05/06/25	ug/m3	0.05	0.16	<0.16	100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	04/06/25 - 05/06/25	ug/m3	0.10	0.31	0.38	150	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542702  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299418-1

Page 6 of 10

Sample Number 2542702-1  
Sampled Date Jun 04, 2025  
Sample Description Air Quality  
Location รพช.บ้านนา (พิกัด 47P 0735259E, 1408966N)  
Date Analysis Commenced Jun 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Chlorodifluoromethane (HCFC-22)	04/06/25 - 05/06/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Chloroethane	04/06/25 - 05/06/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Chloroform	04/06/25 - 05/06/25	ug/m3	0.08	0.24	0.29	57	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chloromethane	04/06/25 - 05/06/25	ug/m3	0.30	1.03	1.82	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
cis-1,2-Dichloroethene	04/06/25 - 05/06/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	04/06/25 - 05/06/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Cyclohexane	04/06/25 - 05/06/25	ug/m3	0.60	1.72	<1.72	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Cyclopentane	04/06/25 - 05/06/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542702

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299418-1

Page 7 of 10

Sample Number	2542702-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ถนนพหลโยธิน (กม 47P 0735259E ,1408966N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Dichlorodifluoromethane (CFC-112)	04/06/25 - 05/06/25	ug/m3	0.80	2.47	<2.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Dichloromethane	04/06/25 - 05/06/25	ug/m3	0.06	0.17	1.67	210	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Ethanol	04/06/25 - 05/06/25	ug/m3	0.30	0.94	9.27	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Ethyl Benzene	04/06/25 - 05/06/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexanal	04/06/25 - 05/06/25	ug/m3	0.60	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexane	04/06/25 - 05/06/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isobutene	04/06/25 - 05/06/25	ug/m3	0.40	1.15	1.38	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isoprene	04/06/25 - 05/06/25	ug/m3	0.50	1.39	3.12	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542702

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299418-1

Page 8 of 10

Sample Number	2542702-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ถนนพหลโยธิน (กม 47P 0735259E ,1408966N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
m,p-Xylene	04/06/25 - 05/06/25	ug/m3	1.50	4.34	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methacrolein	04/06/25 - 05/06/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methanol	04/06/25 - 05/06/25	ug/m3	0.20	0.66	8.18	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	04/06/25 - 05/06/25	ug/m3	0.50	1.47	<1.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Iodide	04/06/25 - 05/06/25	ug/m3	0.90	2.90	6.62	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	04/06/25 - 05/06/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	04/06/25 - 05/06/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	04/06/25 - 05/06/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.,  
88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542702  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299418-1

Page 9 of 10

Sample Number	2542702-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนบ้านนาบอน (พิกัด 47P 0735259E ,1408966N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
o-Xylene	04/06/25 - 05/06/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Pentanal	04/06/25 - 05/06/25	ug/m3	0.50	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Pentane	04/06/25 - 05/06/25	ug/m3	0.50	1.48	6.91	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Propanal	04/06/25 - 05/06/25	ug/m3	0.50	1.19	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Propene (Propylene)	04/06/25 - 05/06/25	ug/m3	0.30	0.86	4.16	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Styrene	04/06/25 - 05/06/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	04/06/25 - 05/06/25	ug/m3	0.11	0.34	Not Detected	400	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Toluene	04/06/25 - 05/06/25	ug/m3	0.60	1.88	5.05	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542702  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299418-1

Page 10 of 10

Sample Number	2542702-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนบ้านนาบอน (พิกัด 47P 0735259E ,1408966N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
trans-1,2-Dichloroethene	04/06/25 - 05/06/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	04/06/25 - 05/06/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Trichloroethylene	04/06/25 - 05/06/25	ug/m3	0.09	0.27	Not Detected	130	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	04/06/25 - 05/06/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Vinyl Acetate	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Vinyl Chloride	04/06/25 - 05/06/25	ug/m3	0.04	0.13	0.31	20	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasarnmit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantification) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145648

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205948-1

Sample Number 24145648-1  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Jan 20, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	16/01/25 - 17/01/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2,2-Tetrachloroethane	16/01/25 - 17/01/25	ug/m3	0.10	0.34	Not Detected	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	16/01/25 - 17/01/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2-Trichloroethane	16/01/25 - 17/01/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethane	16/01/25 - 17/01/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethene	16/01/25 - 17/01/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,3-Trimethylbenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trichlorobenzene	16/01/25 - 17/01/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trimethylbenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2-Dibromoethane	16/01/25 - 17/01/25	ug/m3	0.10	0.38	Not Detected	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	16/01/25 - 17/01/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichok

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145648

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205948-1

Sample Number 24145648-1  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Jan 20, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	16/01/25 - 17/01/25	ug/m3	0.07	0.20	<0.20	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	16/01/25 - 17/01/25	ug/m3	0.08	0.23	0.37	62	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	16/01/25 - 17/01/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3,5-Trimethylbenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3-Butadiene	16/01/25 - 17/01/25	ug/m3	0.04	0.11	0.71	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	16/01/25 - 17/01/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	16/01/25 - 17/01/25	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	16/01/25 - 17/01/25	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	16/01/25 - 17/01/25	ug/m3	0.50	1.52	<1.52	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1-Propanol	16/01/25 - 17/01/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Hexanone	16/01/25 - 17/01/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichok

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145648

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205948-1

Page 3 of 8

Sample Number	24145648-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	ชุมชนบางนา (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	16/01/25 - 17/01/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	16/01/25 - 17/01/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	16/01/25 - 17/01/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	16/01/25 - 17/01/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	16/01/25 - 17/01/25	ug/m3	0.05	0.18	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	16/01/25 - 17/01/25	ug/m3	0.08	0.24	13.21	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	16/01/25 - 17/01/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	16/01/25 - 17/01/25	ug/m3	0.08	0.23	0.27	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	16/01/25 - 17/01/25	ug/m3	0.07	0.22	Not Detected	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	16/01/25 - 17/01/25	ug/m3	0.05	0.16	2.30	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	16/01/25 - 17/01/25	ug/m3	0.17	0.52	Not Detected	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subangkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145648

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205948-1

Page 4 of 8

Sample Number	24145648-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	ชุมชนบางนา (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	16/01/25 - 17/01/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	16/01/25 - 17/01/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	16/01/25 - 17/01/25	ug/m3	0.06	0.19	<0.19	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	16/01/25 - 17/01/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Carbon Disulfide	16/01/25 - 17/01/25	ug/m3	0.05	0.16	<0.16	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	16/01/25 - 17/01/25	ug/m3	0.10	0.31	<0.31	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	16/01/25 - 17/01/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	16/01/25 - 17/01/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	16/01/25 - 17/01/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	16/01/25 - 17/01/25	ug/m3	0.08	0.24	0.29	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	16/01/25 - 17/01/25	ug/m3	0.30	1.03	2.27	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subangkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145648

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205948-1

Sample Number 24145648-1  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location หมู่ที่ 47P 0735680E, 1408469N  
Date Analysis Commenced Jan 20, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 5 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	16/01/25 - 17/01/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	16/01/25 - 17/01/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclohexane	16/01/25 - 17/01/25	ug/m3	0.60	1.72	<1.72	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclopentane	16/01/25 - 17/01/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichlorodifluoromethane (CFC-112)	16/01/25 - 17/01/25	ug/m3	0.80	2.47	2.57	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichloromethane	16/01/25 - 17/01/25	ug/m3	0.06	0.17	2.08	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	16/01/25 - 17/01/25	ug/m3	0.30	0.94	12.93	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Ethyl Benzene	16/01/25 - 17/01/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexanal	16/01/25 - 17/01/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexane	16/01/25 - 17/01/25	ug/m3	0.60	1.76	18.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Isobutene	16/01/25 - 17/01/25	ug/m3	0.40	1.15	32.68	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145648

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205948-1

Sample Number 24145648-1  
Sampled Date Jan 16, 2025  
Sample Description Air Quality  
Location หมู่ที่ 47P 0735680E, 1408469N  
Date Analysis Commenced Jan 20, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 6 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	16/01/25 - 17/01/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
m,p-Xylene	16/01/25 - 17/01/25	ug/m3	1.50	4.34	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methacrolein	16/01/25 - 17/01/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methanol	16/01/25 - 17/01/25	ug/m3	0.20	0.66	19.13	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	16/01/25 - 17/01/25	ug/m3	0.50	1.47	3.72	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Iodide	16/01/25 - 17/01/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	16/01/25 - 17/01/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	16/01/25 - 17/01/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	16/01/25 - 17/01/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
o-Xylene	16/01/25 - 17/01/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Pentanal	16/01/25 - 17/01/25	ug/m3	0.50	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak  
Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145648

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205948-1

Page 7 of 8

Sample Number	24145648-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	ท่าอากาศยาน (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	16/01/25 - 17/01/25	ug/m3	0.50	1.48	4.72	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propanal	16/01/25 - 17/01/25	ug/m3	0.50	1.19	1.62	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propene (Propylene)	16/01/25 - 17/01/25	ug/m3	0.30	0.86	36.69	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Styrene	16/01/25 - 17/01/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	16/01/25 - 17/01/25	ug/m3	0.11	0.34	Not Detected	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	16/01/25 - 17/01/25	ug/m3	0.60	1.88	3.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,2-Dichloroethene	16/01/25 - 17/01/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	16/01/25 - 17/01/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Trichloroethylene	16/01/25 - 17/01/25	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	16/01/25 - 17/01/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Vinyl Acetate	16/01/25 - 17/01/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 24145648

Date Received : Jan 17, 2025

Date Reported : Jan 27, 2025

Report Number : 3205948-1

Page 8 of 8

Sample Number	24145648-1
Sampled Date	Jan 16, 2025
Sample Description	Air Quality
Location	ท่าอากาศยาน (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Jan 20, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	16/01/25 - 17/01/25	ug/m3	0.04	0.13	Not Detected	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253551

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211515-1

Sample Number 253551-1  
Sampled Date Feb 04, 2025  
Sample Description Air Quality  
Location หมู่บ้านนาหว้า (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Feb 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 1 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	04/02/25 - 05/02/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloroethane	04/02/25 - 05/02/25	ug/m3	0.10	0.34	Not Detected	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	04/02/25 - 05/02/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	04/02/25 - 05/02/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	04/02/25 - 05/02/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	04/02/25 - 05/02/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	04/02/25 - 05/02/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trimethylbenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	04/02/25 - 05/02/25	ug/m3	0.10	0.38	Not Detected	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	04/02/25 - 05/02/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253551

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211515-1

Sample Number 253551-1  
Sampled Date Feb 04, 2025  
Sample Description Air Quality  
Location หมู่บ้านนาหว้า (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Feb 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 2 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	04/02/25 - 05/02/25	ug/m3	0.07	0.20	0.24	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	04/02/25 - 05/02/25	ug/m3	0.08	0.23	<0.23	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	04/02/25 - 05/02/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3-Butadiene	04/02/25 - 05/02/25	ug/m3	0.04	0.11	2.17	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	04/02/25 - 05/02/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	04/02/25 - 05/02/25	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	04/02/25 - 05/02/25	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	04/02/25 - 05/02/25	ug/m3	0.50	1.52	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1-Propanol	04/02/25 - 05/02/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Hexanone	04/02/25 - 05/02/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253551

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211515-1

Page 3 of 8

Sample Number	253551-1
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	หมู่ที่ 47P 0735680E, 1408469N
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
2-Pentanone	04/02/25 - 05/02/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	04/02/25 - 05/02/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	04/02/25 - 05/02/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	04/02/25 - 05/02/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	04/02/25 - 05/02/25	ug/m3	0.05	0.18	0.40	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	04/02/25 - 05/02/25	ug/m3	0.08	0.24	8.12	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	04/02/25 - 05/02/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	04/02/25 - 05/02/25	ug/m3	0.08	0.23	0.46	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	04/02/25 - 05/02/25	ug/m3	0.07	0.22	0.30	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/02/25 - 05/02/25	ug/m3	0.05	0.16	3.13	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	04/02/25 - 05/02/25	ug/m3	0.17	0.52	Not Detected	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253551

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211515-1

Page 4 of 8

Sample Number	253551-1
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	หมู่ที่ 47P 0735680E, 1408469N
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Bromodichloromethane	04/02/25 - 05/02/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	04/02/25 - 05/02/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	04/02/25 - 05/02/25	ug/m3	0.06	0.19	0.39	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	04/02/25 - 05/02/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Carbon Disulfide	04/02/25 - 05/02/25	ug/m3	0.05	0.16	<0.16	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	04/02/25 - 05/02/25	ug/m3	0.10	0.31	<0.31	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	04/02/25 - 05/02/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	04/02/25 - 05/02/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	04/02/25 - 05/02/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	04/02/25 - 05/02/25	ug/m3	0.08	0.24	<0.24	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	04/02/25 - 05/02/25	ug/m3	0.30	1.03	1.82	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 253551  
Date Received : Feb 05, 2025  
Date Reported : Feb 14, 2025  
Report Number : 3211515-1

Page 5 of 8

Sample Number 253551-1  
Sampled Date Feb 04, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Feb 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
cis-1,2-Dichloroethene	04/02/25 - 05/02/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	04/02/25 - 05/02/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclohexane	04/02/25 - 05/02/25	ug/m3	0.60	1.72	2.96	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclopentane	04/02/25 - 05/02/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichlorodifluoromethane (CFC-112)	04/02/25 - 05/02/25	ug/m3	0.80	2.47	2.57	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichloromethane	04/02/25 - 05/02/25	ug/m3	0.06	0.17	0.69	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	04/02/25 - 05/02/25	ug/m3	0.30	0.94	5.09	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Ethyl Benzene	04/02/25 - 05/02/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexanal	04/02/25 - 05/02/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexane	04/02/25 - 05/02/25	ug/m3	0.60	1.76	5.64	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Isobutene	04/02/25 - 05/02/25	ug/m3	0.40	1.15	5.09	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 253551  
Date Received : Feb 05, 2025  
Date Reported : Feb 14, 2025  
Report Number : 3211515-1

Page 6 of 8

Sample Number 253551-1  
Sampled Date Feb 04, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Feb 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Isoprene	04/02/25 - 05/02/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
m,p-Xylene	04/02/25 - 05/02/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methacrolein	04/02/25 - 05/02/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methanol	04/02/25 - 05/02/25	ug/m3	0.20	0.66	15.23	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	04/02/25 - 05/02/25	ug/m3	0.50	1.47	1.53	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Iodide	04/02/25 - 05/02/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	04/02/25 - 05/02/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	04/02/25 - 05/02/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	04/02/25 - 05/02/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
o-Xylene	04/02/25 - 05/02/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Pentanal	04/02/25 - 05/02/25	ug/m3	0.50	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253551

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211515-1

Page 7 of 8

Sample Number	253551-1
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	ท่าอากาศยานภูเก็ต (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Pentane	04/02/25 - 05/02/25	ug/m3	0.50	1.48	4.31	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propanal	04/02/25 - 05/02/25	ug/m3	0.50	1.19	1.71	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propene (Propylene)	04/02/25 - 05/02/25	ug/m3	0.30	0.86	8.09	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Styrene	04/02/25 - 05/02/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	04/02/25 - 05/02/25	ug/m3	0.11	0.34	Not Detected	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	04/02/25 - 05/02/25	ug/m3	0.60	1.88	5.13	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,2-Dichloroethene	04/02/25 - 05/02/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	04/02/25 - 05/02/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Trichloroethylene	04/02/25 - 05/02/25	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	04/02/25 - 05/02/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Vinyl Acetate	04/02/25 - 05/02/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 253551

Date Received : Feb 05, 2025

Date Reported : Feb 14, 2025

Report Number : 3211515-1

Page 8 of 8

Sample Number	253551-1
Sampled Date	Feb 04, 2025
Sample Description	Air Quality
Location	ท่าอากาศยานภูเก็ต (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Feb 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Vinyl Chloride	04/02/25 - 05/02/25	ug/m3	0.04	0.13	0.56	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasarnmit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518524

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243900-1

Sample Number	2518524-1
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	พิกัด 47P 0735680E, 1408469N
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Page 1 of 6

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	11/03/25 - 12/03/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2,2-Tetrachloroethane	11/03/25 - 12/03/25	ug/m3	0.10	0.34	0.96	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	11/03/25 - 12/03/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1,2-Trichloroethane	11/03/25 - 12/03/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethane	11/03/25 - 12/03/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,1-Dichloroethene	11/03/25 - 12/03/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,3-Trimethylbenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trichlorobenzene	11/03/25 - 12/03/25	ug/m3	1.20	3.71	<3.71	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2,4-Trimethylbenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,2-Dibromoethane	11/03/25 - 12/03/25	ug/m3	0.10	0.38	0.92	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	11/03/25 - 12/03/25	ug/m3	0.20	0.60	0.96	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518524

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243900-1

Sample Number	2518524-1
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	พิกัด 47P 0735680E, 1408469N
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Page 2 of 6

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	11/03/25 - 12/03/25	ug/m3	0.07	0.20	<0.20	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	11/03/25 - 12/03/25	ug/m3	0.08	0.23	0.28	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	11/03/25 - 12/03/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3,5-Trimethylbenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,3-Butadiene	11/03/25 - 12/03/25	ug/m3	0.04	0.11	0.80	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	11/03/25 - 12/03/25	ug/m3	0.20	0.60	0.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1,4-Dichlorobenzene	11/03/25 - 12/03/25	ug/m3	0.20	0.60	0.84	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	11/03/25 - 12/03/25	ug/m3	0.10	0.36	0.65	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	11/03/25 - 12/03/25	ug/m3	0.50	1.52	<1.52	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
1-Propanol	11/03/25 - 12/03/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Hexanone	11/03/25 - 12/03/25	ug/m3	0.70	2.05	9.50	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518524

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243900-1

Page 3 of 8

Sample Number	2518524-1
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	ชุมชนบางนา (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	11/03/25 - 12/03/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	11/03/25 - 12/03/25	ug/m3	0.40	1.23	1.52	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	11/03/25 - 12/03/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	11/03/25 - 12/03/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	11/03/25 - 12/03/25	ug/m3	0.05	0.18	7.18	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	11/03/25 - 12/03/25	ug/m3	0.08	0.24	8.03	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	11/03/25 - 12/03/25	ug/m3	0.30	0.84	0.97	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	11/03/25 - 12/03/25	ug/m3	0.08	0.23	0.55	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	11/03/25 - 12/03/25	ug/m3	0.07	0.22	0.39	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	11/03/25 - 12/03/25	ug/m3	0.05	0.16	5.24	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	11/03/25 - 12/03/25	ug/m3	0.17	0.52	0.93	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518524

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243900-1

Page 4 of 8

Sample Number	2518524-1
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	ชุมชนบางนา (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	11/03/25 - 12/03/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	11/03/25 - 12/03/25	ug/m3	1.00	5.17	<5.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	11/03/25 - 12/03/25	ug/m3	0.06	0.19	0.47	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	11/03/25 - 12/03/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Carbon Disulfide	11/03/25 - 12/03/25	ug/m3	0.05	0.16	0.25	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	11/03/25 - 12/03/25	ug/m3	0.10	0.31	0.50	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	11/03/25 - 12/03/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	11/03/25 - 12/03/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	11/03/25 - 12/03/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	11/03/25 - 12/03/25	ug/m3	0.08	0.24	0.49	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	11/03/25 - 12/03/25	ug/m3	0.30	1.03	1.53	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

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Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2518524  
Date Received : Mar 12, 2025  
Date Reported : Mar 21, 2025  
Report Number : 3243900-1

Sample Number 2518524-1  
Sampled Date Mar 11, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Mar 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 5 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	11/03/25 - 12/03/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	11/03/25 - 12/03/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclohexane	11/03/25 - 12/03/25	ug/m3	0.60	1.72	2.13	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclopentane	11/03/25 - 12/03/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichlorodifluoromethane (CFC-112)	11/03/25 - 12/03/25	ug/m3	0.80	2.47	2.67	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichloromethane	11/03/25 - 12/03/25	ug/m3	0.06	0.17	0.83	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	11/03/25 - 12/03/25	ug/m3	0.30	0.94	8.59	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Ethyl Benzene	11/03/25 - 12/03/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexanal	11/03/25 - 12/03/25	ug/m3	0.60	2.05	3.36	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexane	11/03/25 - 12/03/25	ug/m3	0.60	1.76	12.55	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Isobutene	11/03/25 - 12/03/25	ug/m3	0.40	1.15	4.45	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2518524  
Date Received : Mar 12, 2025  
Date Reported : Mar 21, 2025  
Report Number : 3243900-1

Sample Number 2518524-1  
Sampled Date Mar 11, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Mar 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 6 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	11/03/25 - 12/03/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
m,p-Xylene	11/03/25 - 12/03/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methacrolein	11/03/25 - 12/03/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methanol	11/03/25 - 12/03/25	ug/m3	0.20	0.66	11.03	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	11/03/25 - 12/03/25	ug/m3	0.50	1.47	1.83	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Iodide	11/03/25 - 12/03/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	11/03/25 - 12/03/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	11/03/25 - 12/03/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	11/03/25 - 12/03/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
o-Xylene	11/03/25 - 12/03/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Pentanal	11/03/25 - 12/03/25	ug/m3	0.50	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518524

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243900-1

Page 7 of 8

Sample Number	2518524-1
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	จุดตรวจอากาศ (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	11/03/25 - 12/03/25	ug/m3	0.50	1.48	9.44	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propanal	11/03/25 - 12/03/25	ug/m3	0.50	1.19	1.33	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	11/03/25 - 12/03/25	ug/m3	0.30	0.86	13.42	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Styrene	11/03/25 - 12/03/25	ug/m3	0.70	2.13	<2.13	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Tetrachloroethylene	11/03/25 - 12/03/25	ug/m3	0.11	0.34	0.54	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	11/03/25 - 12/03/25	ug/m3	0.60	1.88	8.14	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,2-Dichloroethene	11/03/25 - 12/03/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,3-Dichloropropene	11/03/25 - 12/03/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Trichloroethylene	11/03/25 - 12/03/25	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	11/03/25 - 12/03/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Vinyl Acetate	11/03/25 - 12/03/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2518524

Date Received : Mar 12, 2025

Date Reported : Mar 21, 2025

Report Number : 3243900-1

Page 8 of 8

Sample Number	2518524-1
Sampled Date	Mar 11, 2025
Sample Description	Air Quality
Location	จุดตรวจอากาศ (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	11/03/25 - 12/03/25	ug/m3	0.04	0.13	0.61	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasarnmit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522300

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251896-1

Page 1 of 8

Sample Number	2522300-1
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	จุดตรวจอากาศ (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	01/04/25 - 02/04/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloroethane	01/04/25 - 02/04/25	ug/m3	0.10	0.34	0.55	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	01/04/25 - 02/04/25	ug/m3	1.00	3.83	<3.83	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	01/04/25 - 02/04/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	01/04/25 - 02/04/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	01/04/25 - 02/04/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	01/04/25 - 02/04/25	ug/m3	1.20	3.71	4.75	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trimethylbenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.46	2.95	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	01/04/25 - 02/04/25	ug/m3	0.10	0.38	0.46	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	01/04/25 - 02/04/25	ug/m3	0.20	0.60	<0.60	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522300

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251896-1

Page 2 of 8

Sample Number	2522300-1
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	จุดตรวจอากาศ (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	01/04/25 - 02/04/25	ug/m3	0.07	0.20	Not Detected	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	01/04/25 - 02/04/25	ug/m3	0.08	0.23	0.46	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	01/04/25 - 02/04/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3-Butadiene	01/04/25 - 02/04/25	ug/m3	0.04	0.11	0.35	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	01/04/25 - 02/04/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	01/04/25 - 02/04/25	ug/m3	0.20	0.60	<0.60	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	01/04/25 - 02/04/25	ug/m3	0.10	0.36	<0.36	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	01/04/25 - 02/04/25	ug/m3	0.50	1.52	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1-Propanol	01/04/25 - 02/04/25	ug/m3	0.40	1.23	1.33	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Hexanone	01/04/25 - 02/04/25	ug/m3	0.70	2.05	6.47	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522300

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251896-1

Page 3 of 8

Sample Number	2522300-1
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	พื้นที่ 47P 0735680E, 1408469N
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	01/04/25 - 02/04/25	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
2-Propanol	01/04/25 - 02/04/25	ug/m3	0.40	1.23	1.92	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Hexanone	01/04/25 - 02/04/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
3-Pentanone	01/04/25 - 02/04/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetaldehyde	01/04/25 - 02/04/25	ug/m3	0.05	0.18	0.65	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	01/04/25 - 02/04/25	ug/m3	0.08	0.24	15.58	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acetonitrile	01/04/25 - 02/04/25	ug/m3	0.30	0.84	0.91	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Acrolein	01/04/25 - 02/04/25	ug/m3	0.08	0.23	0.50	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	01/04/25 - 02/04/25	ug/m3	0.07	0.22	<0.22	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/04/25 - 02/04/25	ug/m3	0.05	0.16	3.39	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	01/04/25 - 02/04/25	ug/m3	0.17	0.52	<0.52	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522300

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251896-1

Page 4 of 8

Sample Number	2522300-1
Sampled Date	Apr 01, 2025
Sample Description	Air Quality
Location	พื้นที่ 47P 0735680E, 1408469N
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	01/04/25 - 02/04/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromoform	01/04/25 - 02/04/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Bromomethane	01/04/25 - 02/04/25	ug/m3	0.06	0.19	0.62	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	01/04/25 - 02/04/25	ug/m3	0.49	1.47	1.65	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Carbon Disulfide	01/04/25 - 02/04/25	ug/m3	0.05	0.16	0.25	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	01/04/25 - 02/04/25	ug/m3	0.10	0.31	0.63	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	01/04/25 - 02/04/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chlorodifluoromethane (HCFC-22)	01/04/25 - 02/04/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroethane	01/04/25 - 02/04/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Chloroform	01/04/25 - 02/04/25	ug/m3	0.08	0.24	0.29	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	01/04/25 - 02/04/25	ug/m3	0.30	1.03	2.44	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522300

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251896-1

Sample Number 2522300-1  
Sampled Date Apr 01, 2025  
Sample Description Air Quality  
Location รังนกวนนกวน (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Apr 03, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 5 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	01/04/25 - 02/04/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
cis-1,3-Dichloropropene	01/04/25 - 02/04/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclohexane	01/04/25 - 02/04/25	ug/m3	0.60	1.72	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Cyclopentane	01/04/25 - 02/04/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichlorodifluoromethane (CFC-112)	01/04/25 - 02/04/25	ug/m3	0.80	2.47	2.87	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Dichloromethane	01/04/25 - 02/04/25	ug/m3	0.06	0.17	1.60	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	01/04/25 - 02/04/25	ug/m3	0.30	0.94	15.68	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Ethyl Benzene	01/04/25 - 02/04/25	ug/m3	0.70	2.17	2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexanal	01/04/25 - 02/04/25	ug/m3	0.60	2.05	5.74	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Hexane	01/04/25 - 02/04/25	ug/m3	0.60	1.76	2.04	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Isobutene	01/04/25 - 02/04/25	ug/m3	0.40	1.15	<1.15	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522300

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251896-1

Sample Number 2522300-1  
Sampled Date Apr 01, 2025  
Sample Description Air Quality  
Location รังนกวนนกวน (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Apr 03, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 6 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	01/04/25 - 02/04/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
m,p-Xylene	01/04/25 - 02/04/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methacrolein	01/04/25 - 02/04/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methanol	01/04/25 - 02/04/25	ug/m3	0.20	0.66	14.13	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	01/04/25 - 02/04/25	ug/m3	0.50	1.47	6.84	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Iodide	01/04/25 - 02/04/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	01/04/25 - 02/04/25	ug/m3	0.70	2.05	2.29	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	01/04/25 - 02/04/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	01/04/25 - 02/04/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
o-Xylene	01/04/25 - 02/04/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Pentanal	01/04/25 - 02/04/25	ug/m3	0.50	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522300

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251896-1

Page 7 of 8

Sample Number	2522300-1									
Sampled Date	Apr 01, 2025									
Sample Description	Air Quality									
Location	จุดตรวจคุณภาพอากาศ (พิกัด 47P 0735680E, 1408469N)									
Date Analysis Commenced	Apr 03, 2025									
Condition of Sample	Drawn into one 6-L Canister									

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	01/04/25 - 02/04/25	ug/m3	0.50	1.48	4.37	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propanal	01/04/25 - 02/04/25	ug/m3	0.50	1.19	2.00	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Propene (Propylene)	01/04/25 - 02/04/25	ug/m3	0.30	0.86	3.75	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Styrene	01/04/25 - 02/04/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	01/04/25 - 02/04/25	ug/m3	0.11	0.34	0.95	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	01/04/25 - 02/04/25	ug/m3	0.60	1.88	3.17	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,2-Dichloroethene	01/04/25 - 02/04/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	01/04/25 - 02/04/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Trichloroethylene	01/04/25 - 02/04/25	ug/m3	0.09	0.27	0.32	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	01/04/25 - 02/04/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong
Vinyl Acetate	01/04/25 - 02/04/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2522300

Date Received : Apr 02, 2025

Date Reported : Apr 10, 2025

Report Number : 3251896-1

Page 8 of 8

Sample Number	2522300-1									
Sampled Date	Apr 01, 2025									
Sample Description	Air Quality									
Location	จุดตรวจคุณภาพอากาศ (พิกัด 47P 0735680E, 1408469N)									
Date Analysis Commenced	Apr 03, 2025									
Condition of Sample	Drawn into one 6-L Canister									

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	01/04/25 - 02/04/25	ug/m3	0.04	0.13	0.26	20	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection

- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537384

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287541-1

Sample Number 2537384-1  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 1 of 10

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	06/05/25 - 07/05/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	+	Rayong
1,1,2,2-Tetrachloroethane	06/05/25 - 07/05/25	ug/m3	0.10	0.34	Not Detected	83	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	06/05/25 - 07/05/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	+	Rayong
1,1,2-Trichloroethane	06/05/25 - 07/05/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	+	Rayong
1,1-Dichloroethane	06/05/25 - 07/05/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	+	Rayong
1,1-Dichloroethene	06/05/25 - 07/05/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	+	Rayong
1,2,3-Trimethylbenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	+	Rayong
1,2,4-Trichlorobenzene	06/05/25 - 07/05/25	ug/m3	1.20	3.71	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	+	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537384

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287541-1

Sample Number 2537384-1  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 2 of 10

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2,4-Trimethylbenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.46	<2.46	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	+	Rayong
1,2-Dibromoethane	06/05/25 - 07/05/25	ug/m3	0.10	0.38	Not Detected	370	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	06/05/25 - 07/05/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	+	Rayong
1,2-Dichloroethane	06/05/25 - 07/05/25	ug/m3	0.07	0.20	<0.20	48	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	06/05/25 - 07/05/25	ug/m3	0.08	0.23	Not Detected	82	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	06/05/25 - 07/05/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	+	Rayong
1,3,5-Trimethylbenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	+	Rayong
1,3-Butadiene	06/05/25 - 07/05/25	ug/m3	0.04	0.11	<0.11	5.3	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537384

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287541-1

Page 3 of 10

Sample Number	2537384-1
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	หมู่ที่ 47P 0735680E, 1408469N
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,3-Dichlorobenzene	06/05/25 - 07/05/25	ug/m3	0.20	0.60	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1,4-Dichlorobenzene	06/05/25 - 07/05/25	ug/m3	0.20	0.60	Not Detected	1100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	06/05/25 - 07/05/25	ug/m3	0.10	0.36	Not Detected	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1-Butanol	06/05/25 - 07/05/25	ug/m3	0.50	1.52	6.67	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
1-Propanol	06/05/25 - 07/05/25	ug/m3	0.40	1.23	<1.23	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Hexanone	06/05/25 - 07/05/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Pentanone	06/05/25 - 07/05/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Propanol	06/05/25 - 07/05/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chonticha

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537384

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287541-1

Page 4 of 10

Sample Number	2537384-1
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	หมู่ที่ 47P 0735680E, 1408469N
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
3-Hexanone	06/05/25 - 07/05/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
3-Pentanone	06/05/25 - 07/05/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acetaldehyde	06/05/25 - 07/05/25	ug/m3	0.05	0.18	8.19	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acetone	06/05/25 - 07/05/25	ug/m3	0.08	0.24	6.75	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acetonitrile	06/05/25 - 07/05/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acrolein	06/05/25 - 07/05/25	ug/m3	0.08	0.23	<0.23	0.55	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	06/05/25 - 07/05/25	ug/m3	0.07	0.22	Not Detected	10	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Benzene	06/05/25 - 07/05/25	ug/m3	0.05	0.16	0.64	7.6	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chonticha

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537384

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287541-1

Sample Number 2537384-1  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location ทุ่งนาหนองนา (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 5 of 10

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Benzyl Chloride	06/05/25 - 07/05/25	ug/m3	0.17	0.52	Not Detected	12	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Bromodichloromethane	06/05/25 - 07/05/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Bromoform	06/05/25 - 07/05/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Bromomethane	06/05/25 - 07/05/25	ug/m3	0.06	0.19	0.23	190	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Butanal	06/05/25 - 07/05/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Carbon Disulfide	06/05/25 - 07/05/25	ug/m3	0.05	0.16	<0.16	100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	06/05/25 - 07/05/25	ug/m3	0.10	0.31	0.50	150	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	06/05/25 - 07/05/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537384

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287541-1

Sample Number 2537384-1  
Sampled Date May 06, 2025  
Sample Description Air Quality  
Location ทุ่งนาหนองนา (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced May 13, 2025  
Condition of Sample Drawn into one 6-L Canister

Page 6 of 10

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Chlorodifluoromethane (HCFC-22)	06/05/25 - 07/05/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Chloroethane	06/05/25 - 07/05/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Chloroform	06/05/25 - 07/05/25	ug/m3	0.08	0.24	<0.24	57	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chloromethane	06/05/25 - 07/05/25	ug/m3	0.30	1.03	1.90	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
cis-1,2-Dichloroethene	06/05/25 - 07/05/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
cis-1,3-Dichloropropene	06/05/25 - 07/05/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Cyclohexane	06/05/25 - 07/05/25	ug/m3	0.60	1.72	1.86	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Cyclopentane	06/05/25 - 07/05/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537384

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287541-1

Page 7 of 10

Sample Number	2537384-1
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	หมู่ที่ 47P 0735680E, 1408469N
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Dichlorodifluoromethane (CFC-112)	06/05/25 - 07/05/25	ug/m3	0.80	2.47	2.57	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Dichloromethane	06/05/25 - 07/05/25	ug/m3	0.06	0.17	0.63	210	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Ethanol	06/05/25 - 07/05/25	ug/m3	0.30	0.94	13.11	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Ethyl Benzene	06/05/25 - 07/05/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexanal	06/05/25 - 07/05/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexane	06/05/25 - 07/05/25	ug/m3	0.60	1.76	2.04	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isobutene	06/05/25 - 07/05/25	ug/m3	0.40	1.15	<1.15	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isoprene	06/05/25 - 07/05/25	ug/m3	0.50	1.39	<1.39	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537384

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287541-1

Page 8 of 10

Sample Number	2537384-1
Sampled Date	May 06, 2025
Sample Description	Air Quality
Location	หมู่ที่ 47P 0735680E, 1408469N
Date Analysis Commenced	May 13, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
m,p-Xylene	06/05/25 - 07/05/25	ug/m3	1.50	4.34	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methacrolein	06/05/25 - 07/05/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methanol	06/05/25 - 07/05/25	ug/m3	0.20	0.66	11.19	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	06/05/25 - 07/05/25	ug/m3	0.50	1.47	<1.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Iodide	06/05/25 - 07/05/25	ug/m3	0.90	2.90	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	06/05/25 - 07/05/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	06/05/25 - 07/05/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	06/05/25 - 07/05/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537384

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287541-1

Page 9 of 10

**Sample Number** : 2537384-1  
**Sampled Date** : May 06, 2025  
**Sample Description** : Air Quality  
**Location** : ฤๅ๓๓๓๓๓๓๓๓ (๗๗๓ 47P 0735680E, 1408469N)  
**Date Analysis Commenced** : May 13, 2025  
**Condition of Sample** : Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
o-Xylene	06/05/25 - 07/05/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Pentanal	06/05/25 - 07/05/25	ug/m3	0.50	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Pentane	06/05/25 - 07/05/25	ug/m3	0.50	1.48	<1.48	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Propanal	06/05/25 - 07/05/25	ug/m3	0.50	1.19	<1.19	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Propene (Propylene)	06/05/25 - 07/05/25	ug/m3	0.30	0.86	1.27	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Styrene	06/05/25 - 07/05/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	06/05/25 - 07/05/25	ug/m3	0.11	0.34	Not Detected	400	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Toluene	06/05/25 - 07/05/25	ug/m3	0.60	1.88	8.07	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2537384

Date Received : May 07, 2025

Date Reported : May 16, 2025

Report Number : 3287541-1

Page 10 of 10

**Sample Number** : 2537384-1  
**Sampled Date** : May 06, 2025  
**Sample Description** : Air Quality  
**Location** : ฤๅ๓๓๓๓๓๓๓๓ (๗๗๓ 47P 0735680E, 1408469N)  
**Date Analysis Commenced** : May 13, 2025  
**Condition of Sample** : Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
trans-1,2-Dichloroethene	06/05/25 - 07/05/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	06/05/25 - 07/05/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Trichloroethylene	06/05/25 - 07/05/25	ug/m3	0.09	0.27	Not Detected	130	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	06/05/25 - 07/05/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Vinyl Acetate	06/05/25 - 07/05/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Vinyl Chloride	06/05/25 - 07/05/25	ug/m3	0.04	0.13	Not Detected	20	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kueanpet

### Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantization) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542701  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299409-1

Page 1 of 10

Sample Number 2542701-1  
Sampled Date Jun 04, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Jun 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	04/06/25 - 05/06/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloroethane	04/06/25 - 05/06/25	ug/m3	0.10	0.34	<0.34	83	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	04/06/25 - 05/06/25	ug/m3	1.00	3.83	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	04/06/25 - 05/06/25	ug/m3	0.90	2.73	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	04/06/25 - 05/06/25	ug/m3	0.70	2.02	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	04/06/25 - 05/06/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	04/06/25 - 05/06/25	ug/m3	1.20	3.71	<3.71	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542701  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299409-1

Page 2 of 10

Sample Number 2542701-1  
Sampled Date Jun 04, 2025  
Sample Description Air Quality  
Location กรุงเทพมหานคร (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Jun 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2,4-Trimethylbenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	04/06/25 - 05/06/25	ug/m3	0.10	0.38	Not Detected	370	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	04/06/25 - 05/06/25	ug/m3	0.20	0.60	0.60	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,2-Dichloroethane	04/06/25 - 05/06/25	ug/m3	0.07	0.20	Not Detected	48	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	04/06/25 - 05/06/25	ug/m3	0.08	0.23	Not Detected	82	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	04/06/25 - 05/06/25	ug/m3	1.20	3.50	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.46	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,3-Butadiene	04/06/25 - 05/06/25	ug/m3	0.04	0.11	0.27	5.3	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542701

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299409-1

Sample Number	2542701-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนบ้านนาเกลือ (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Page 3 of 10

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,3-Dichlorobenzene	04/06/25 - 05/06/25	ug/m3	0.20	0.60	<0.60	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	04/06/25 - 05/06/25	ug/m3	0.20	0.60	0.60	1100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	04/06/25 - 05/06/25	ug/m3	0.10	0.36	0.36	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
1-Butanol	04/06/25 - 05/06/25	ug/m3	0.50	1.52	9.22	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
1-Propanol	04/06/25 - 05/06/25	ug/m3	0.40	1.23	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
2-Hexanone	04/06/25 - 05/06/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Pentanone	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
2-Propanol	04/06/25 - 05/06/25	ug/m3	0.40	1.23	1.62	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542701

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299409-1

Sample Number	2542701-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	ชุมชนบ้านนาเกลือ (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Page 4 of 10

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
3-Hexanone	04/06/25 - 05/06/25	ug/m3	0.70	2.05	<2.05	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
3-Pentanone	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acetaldehyde	04/06/25 - 05/06/25	ug/m3	0.05	0.18	1.30	860	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acetone	04/06/25 - 05/06/25	ug/m3	0.08	0.24	7.46	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acetonitrile	04/06/25 - 05/06/25	ug/m3	0.30	0.84	<0.84	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Acrolein	04/06/25 - 05/06/25	ug/m3	0.08	0.23	0.32	0.55	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	04/06/25 - 05/06/25	ug/m3	0.07	0.22	<0.22	10	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Benzene	04/06/25 - 05/06/25	ug/m3	0.05	0.16	5.62	7.6	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

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88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542701  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299409-1

Page 5 of 10

Sample Number 2542701-1  
Sampled Date Jun 04, 2025  
Sample Description Air Quality  
Location ชุมชนบางนา (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Jun 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Benzyl Chloride	04/06/25 - 05/06/25	ug/m3	0.17	0.52	<0.52	12	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Bromodichloromethane	04/06/25 - 05/06/25	ug/m3	1.00	3.35	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Bromoform	04/06/25 - 05/06/25	ug/m3	1.00	5.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Bromomethane	04/06/25 - 05/06/25	ug/m3	0.06	0.19	0.23	190	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Butanal	04/06/25 - 05/06/25	ug/m3	0.49	1.47	<1.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Carbon Disulfide	04/06/25 - 05/06/25	ug/m3	0.05	0.16	<0.16	100	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	04/06/25 - 05/06/25	ug/m3	0.10	0.31	0.38	150	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	04/06/25 - 05/06/25	ug/m3	0.80	2.30	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.  
88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150  
P/O : PMM-23-22  
Project Name : EIA Monitor  
Project Location :

Lot ID: 2542701  
Date Received : Jun 05, 2025  
Date Reported : Jun 16, 2025  
Report Number : 3299409-1

Page 6 of 10

Sample Number 2542701-1  
Sampled Date Jun 04, 2025  
Sample Description Air Quality  
Location ชุมชนบางนา (พิกัด 47P 0735680E, 1408469N)  
Date Analysis Commenced Jun 06, 2025  
Condition of Sample Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Chlorodifluoromethane (HCFC-22)	04/06/25 - 05/06/25	ug/m3	0.60	1.77	<1.77	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Chloroethane	04/06/25 - 05/06/25	ug/m3	0.40	1.32	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Chloroform	04/06/25 - 05/06/25	ug/m3	0.08	0.24	<0.24	57	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Chloromethane	04/06/25 - 05/06/25	ug/m3	0.30	1.03	2.07	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
cis-1,2-Dichloroethene	04/06/25 - 05/06/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
cis-1,3-Dichloropropene	04/06/25 - 05/06/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Cyclohexane	04/06/25 - 05/06/25	ug/m3	0.60	1.72	<1.72	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong
Cyclopentane	04/06/25 - 05/06/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	-	Rayong

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542701

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299409-1

Page 7 of 10

Sample Number	2542701-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	จุดตรวจคุณภาพอากาศ (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Dichlorodifluoromethane (CFC-112)	04/06/25 - 05/06/25	ug/m3	0.80	2.47	2.67	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Dichloromethane	04/06/25 - 05/06/25	ug/m3	0.06	0.17	3.54	210	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Ethanol	04/06/25 - 05/06/25	ug/m3	0.30	0.94	7.84	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Ethyl Benzene	04/06/25 - 05/06/25	ug/m3	0.70	2.17	<2.17	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexanal	04/06/25 - 05/06/25	ug/m3	0.60	2.05	<2.05	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Hexane	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isobutene	04/06/25 - 05/06/25	ug/m3	0.40	1.15	2.02	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Isoprene	04/06/25 - 05/06/25	ug/m3	0.50	1.39	1.89	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subangkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542701

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299409-1

Page 8 of 10

Sample Number	2542701-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	จุดตรวจคุณภาพอากาศ (พิกัด 47P 0735680E, 1408469N)
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
m,p-Xylene	04/06/25 - 05/06/25	ug/m3	1.50	4.34	<4.34	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methacrolein	04/06/25 - 05/06/25	ug/m3	0.50	1.43	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methanol	04/06/25 - 05/06/25	ug/m3	0.20	0.66	10.04	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Ethyl Ketone	04/06/25 - 05/06/25	ug/m3	0.50	1.47	<1.47	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Iodide	04/06/25 - 05/06/25	ug/m3	0.90	2.90	9.52	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Isobutyl Ketone	04/06/25 - 05/06/25	ug/m3	0.70	2.05	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl tert butyl ether	04/06/25 - 05/06/25	ug/m3	0.60	1.80	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Methyl Vinyl Ketone	04/06/25 - 05/06/25	ug/m3	0.50	1.43	<1.43	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

Approved by

Chontichak

Chonticha Subangkoch  
Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542701

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299409-1

Page 9 of 10

Sample Number	2542701-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	รพช. 47P 0735680E, 1408469N
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
o-Xylene	04/06/25 - 05/06/25	ug/m3	0.70	2.17	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Pentanal	04/06/25 - 05/06/25	ug/m3	0.50	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Pentane	04/06/25 - 05/06/25	ug/m3	0.50	1.48	2.24	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Propanal	04/06/25 - 05/06/25	ug/m3	0.50	1.19	<1.19	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Propene (Propylene)	04/06/25 - 05/06/25	ug/m3	0.30	0.86	6.68	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Styrene	04/06/25 - 05/06/25	ug/m3	0.70	2.13	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Tetrachloroethylene	04/06/25 - 05/06/25	ug/m3	0.11	0.34	Not Detected	400	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Toluene	04/06/25 - 05/06/25	ug/m3	0.60	1.88	6.48	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong

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Scientist (3)

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## Analysis / Test Report

Client : RIL 1996 Co., Ltd.

88, Rayong Highway 3191 Road, Tambon Maptaphut, Amphoe Mueang Rayong,  
Rayong Thailand 21150

P/O : PMM-23-22

Project Name : EIA Monitor

Project Location :

Lot ID: 2542701

Date Received : Jun 05, 2025

Date Reported : Jun 16, 2025

Report Number : 3299409-1

Page 10 of 10

Sample Number	2542701-1
Sampled Date	Jun 04, 2025
Sample Description	Air Quality
Location	รพช. 47P 0735680E, 1408469N
Date Analysis Commenced	Jun 06, 2025
Condition of Sample	Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
trans-1,2-Dichloroethene	04/06/25 - 05/06/25	ug/m3	0.70	1.98	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
trans-1,3-Dichloropropene	04/06/25 - 05/06/25	ug/m3	0.80	2.27	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Trichloroethylene	04/06/25 - 05/06/25	ug/m3	0.09	0.27	<0.27	130	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	04/06/25 - 05/06/25	ug/m3	0.90	2.81	<2.81	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Vinyl Acetate	04/06/25 - 05/06/25	ug/m3	0.60	1.76	Not Detected	No Standard	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	*	Rayong
Vinyl Chloride	04/06/25 - 05/06/25	ug/m3	0.04	0.13	0.20	20	Based on U.S. Environmental Protection Agency, Compendium Method, TO-15	PCD	Rayong

### Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009).

Sampled By : Prasannit Kuanpet

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chontichak

Chonticha Subongkoch  
Scientist (3)

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## ภาคผนวก ง.2

### ใบรับรองผลการตรวจวัดคุณภาพอากาศจากแหล่งกำเนิด



บริษัท ซีคอต จำกัด  
SECOT CO., LTD.

239 ถนนริมคลองประปา แขวงบางซื่อ เขตบางซื่อ กรุงเทพฯ 10800  
239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND  
TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 30/04/2025
RECEIVED DATE	: 14/05/2025	ANALYTICAL DATE	: 14-28/05/2025
REPORT DATE	: 29/05/2025	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2100-H1	SITE OPERATOR	: Mr. Kittipong Thakoengsuk
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas
STACK DESCRIPTION			

Height	: 62.50	m	Gas Velocity	: 6.1	m/s
Diameter	: 2.49	m	Flow rate <sup>1/</sup>	: 969	Ncu.m/min
Temperature	: 196.1	°C	Excess Oxygen	: 7.0	%
Moisture	: 13.8	%			

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD <sup>2/</sup>		REFERENCE
		7.0%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Sulfur Dioxide (SO <sub>2</sub> )	ppm	3.63	3.62	0.154	209	11.151	US. EPA Method 6C
Oxide of Nitrogen (NO <sub>x</sub> )	ppm	18.32	18.26	0.557	59	2.278	US. EPA Method 6C

(Miss Katesarin Vorradetwittaya)

Environmental Scientist

REG.NO. 7-239-ก-0006

(Miss Preeda Sornjai)

Technical Management Team

REG.NO. 7-239-ก-0006

- Remark : 1. Reported analysis refers to submitted sample only.
2. This report shall not be reproduced, except in full, without official approval.
3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
4. <sup>2/</sup> The assigned value in EIA report (B.E.2568).
5. - Not available.



บริษัท ซีคอต จำกัด  
SECOT CO., LTD.

239 ถนนริมคลองประปา แขวงบางซื่อ เขตบางซื่อ กรุงเทพฯ 10800  
239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND  
TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 30/04/2025
RECEIVED DATE	: 03/05/2025	ANALYTICAL DATE	: 06/05/2025
REPORT DATE	: 16/05/2025	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2100-H1	SITE OPERATOR	: Mr. Kittipong Thakoengsuk
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas
STACK DESCRIPTION			

Height	: 62.50	m	Gas Velocity	: 6.1	m/s
Diameter	: 2.49	m	Flow rate <sup>1/</sup>	: 969	Ncu.m/min
Temperature	: 196.1	°C	Excess Oxygen	: 7.0	%
Moisture	: 13.8	%			

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD		REFERENCE
		7.0%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	5.13	5.11	0.149	-	-	US. EPA Method 25A

(Miss Sudaporn Soonthorn)

Analyst

(Miss Narisa Poowasanpetch)

Technical Management Team

- Remark : 1. Reported analysis refers to submitted sample only.
2. This report shall not be reproduced, except in full, without official approval.
3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
4. - Not available.

**The Monitoring Result of Emission Concentration**  
**2100 - H1**  
**PTT Global Chemical Public Company Limited**  
**April 30, 2025**

Run Number	Oxygen content (%)		Oxide of Nitrogen (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	7.04	6.96	18.29	18.25	18.20
2	7.08	7.00	18.39	18.36	18.36
3	6.98	6.89	18.39	18.36	18.22
<b>Average</b>	<b>7.04</b>	<b>6.95</b>	<b>18.36</b>	<b>18.32</b>	<b>18.26</b>

Run Number	Oxygen content (%)		Sulfur dioxide (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	7.04	6.96	3.68	3.64	3.63
2	7.08	7.00	3.66	3.63	3.63
3	6.98	6.89	3.66	3.63	3.60
<b>Average</b>	<b>7.04</b>	<b>6.95</b>	<b>3.67</b>	<b>3.63</b>	<b>3.62</b>

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Date: April 30, 2025  
 Start time: 11:00 AM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: API 200 AH  
 SO<sub>2</sub> instrument Model: API 100 AH  
 Fuel Type: Fuel Gas

Run #: 1  
 Location: 2100 - H1  
 Finish time: 11:20 AM  
 Serial No.: 161212-13  
 Serial No.: 314  
 Serial No.: 058  
 Test Operator: Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
11:00 AM	7.07	17.50	3.64
11:01 AM	7.05	17.67	3.67
11:02 AM	7.07	18.20	3.66
11:03 AM	7.02	18.39	3.65
11:04 AM	6.96	18.38	3.68
11:05 AM	7.07	18.15	3.63
11:06 AM	7.05	18.25	3.69
11:07 AM	7.04	18.27	3.69
11:08 AM	7.04	18.20	3.70
11:09 AM	7.00	18.31	3.71
11:10 AM	7.02	18.54	3.69
11:11 AM	7.05	18.56	3.67
11:12 AM	7.06	18.32	3.67
11:13 AM	7.06	18.28	3.70
11:14 AM	7.07	18.37	3.71
11:15 AM	7.04	18.37	3.75
11:16 AM	7.00	18.46	3.72
11:17 AM	7.02	18.42	3.70
11:18 AM	7.04	18.46	3.68
11:19 AM	7.05	18.48	3.67
11:20 AM	7.06	18.48	3.61
<b>Average</b>	<b>7.04</b>	<b>18.29</b>	<b>3.68</b>

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 2

Date: April 30, 2025  
 Start time: 11:21 AM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: API 200 AH  
 SO<sub>2</sub> instrument Model: API 100 AH  
 Fuel Type : Fuel Gas

Location : 2100 - H1  
 Finish time : 11:41 AM  
 Serial No.: 161212-13  
 Serial No.: 314  
 Serial No.: 058  
 Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
11:21 AM	7.01	18.37	3.59
11:22 AM	6.99	18.43	3.62
11:23 AM	7.08	18.40	3.63
11:24 AM	7.15	18.57	3.66
11:25 AM	7.00	18.64	3.70
11:26 AM	7.02	18.15	3.66
11:27 AM	7.03	18.03	3.70
11:28 AM	6.99	18.13	3.71
11:29 AM	7.06	18.35	3.73
11:30 AM	7.07	18.66	3.69
11:31 AM	7.18	18.70	3.75
11:32 AM	7.01	18.36	3.72
11:33 AM	7.07	18.31	3.69
11:34 AM	7.05	18.31	3.70
11:35 AM	7.06	18.43	3.69
11:36 AM	7.09	18.42	3.58
11:37 AM	7.19	18.42	3.59
11:38 AM	7.21	18.55	3.59
11:39 AM	7.27	18.51	3.53
11:40 AM	7.18	18.28	3.61
11:41 AM	7.03	18.23	3.68
Average	7.08	18.39	3.66

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 3

Date: April 30, 2025  
 Start time: 11:42 AM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: API 200 AH  
 SO<sub>2</sub> instrument Model: API 100 AH  
 Fuel Type : Fuel Gas

Location : 2100 - H1  
 Finish time : 12:02 PM  
 Serial No.: 161212-13  
 Serial No.: 314  
 Serial No.: 058  
 Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
11:42 AM	6.94	18.33	3.71
11:43 AM	7.02	18.17	3.67
11:44 AM	7.06	18.22	3.72
11:45 AM	7.06	18.49	3.76
11:46 AM	7.01	18.89	3.74
11:47 AM	7.04	18.88	3.71
11:48 AM	6.93	18.68	3.65
11:49 AM	6.94	18.46	3.67
11:50 AM	7.00	18.41	3.67
11:51 AM	6.97	18.32	3.64
11:52 AM	6.93	18.43	3.63
11:53 AM	7.00	18.67	3.61
11:54 AM	7.07	18.65	3.65
11:55 AM	7.00	18.48	3.66
11:56 AM	6.92	18.36	3.61
11:57 AM	6.90	18.20	3.62
11:58 AM	6.87	18.22	3.55
11:59 AM	6.86	18.18	3.58
12:00 PM	7.10	18.20	3.68
12:01 PM	7.01	18.08	3.71
12:02 PM	7.04	17.90	3.69
Average	6.98	18.39	3.66

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist



บริษัท ซีคอต จำกัด  
SECOT CO., LTD.

239 ถนนริมคลองประปา แขวงบางซื่อ เขตบางซื่อ กรุงเทพฯ 10800  
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TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 30/04/2025
RECEIVED DATE	: 14/05/2025	ANALYTICAL DATE	: 14-28/05/2025
REPORT DATE	: 29/05/2025	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2150-H1/2	SITE OPERATOR	: Mr. Song Hengchwankul
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 65.00 m	Gas Velocity	: 5.5 m/s
Diameter	: 2.10 m	Flow rate <sup>1/</sup>	: 624 Ncu.m/min
Temperature	: 190.1 °C	Excess Oxygen	: 5.9 %
Moisture	: 14.8 %		

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD <sup>2/</sup>		REFERENCE METHOD
		5.9%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Sulfur Dioxide (SO <sub>2</sub> )	ppm	4.39	4.08	0.120	98	3.288	US EPA Method 6C
Oxide of Nitrogen (NO <sub>x</sub> )	ppm	15.46	14.36	0.302	57	1.364	US EPA Method 7E

(Miss Katesarin Vorradetwittaya)

Environmental Scientist

REG.NO. 7-239-0-0006

(Miss Preeda Somjai)

Technical Management Team

REG.NO. 7-239-0-0006

- Remark :**
1. Reported analysis refers to submitted sample only.
  2. This report shall not be reproduced, except in full, without official approval.
  3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
  4. <sup>2/</sup> The assigned value in EIA report (B.E.2568).
  5. - Not available.



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 30/04/2025
RECEIVED DATE	: 03/05/2025	ANALYTICAL DATE	: 06/05/2025
REPORT DATE	: 16/05/2025	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2150-H1/2	SITE OPERATOR	: Mr. Thanawut Duansaeng
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 65.00 m	Gas Velocity	: 5.5 m/s
Diameter	: 2.10 m	Flow rate <sup>1/</sup>	: 624 Ncu.m/min
Temperature	: 190.1 °C	Excess Oxygen	: 5.9 %
Moisture	: 14.8 %		

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD		REFERENCE METHOD
		5.9%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	1.10	1.02	0.021	-	-	US. EPA Method 25A

(Miss Sudaporn Soonthorn)

Analyst

(Miss Narisa Poowasanpetch)

Technical Management Team

- Remark :**
1. Reported analysis refers to submitted sample only.
  2. This report shall not be reproduced, except in full, without official approval.
  3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
  4. - Not available.



**The Monitoring Result of Emission Concentration**  
**2150 - H1/2**  
**PTT Global Chemical Public Company Limited**  
**April 30, 2025**

Run Number	Oxygen content (%)		Oxide of Nitrogen (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	6.00	5.92	15.63	15.61	14.48
2	5.96	5.91	15.47	15.44	14.32
3	5.98	5.97	15.36	15.33	14.27
<b>Average</b>	<b>5.98</b>	<b>5.93</b>	<b>15.49</b>	<b>15.46</b>	<b>14.36</b>

Run Number	Oxygen content (%)		Sulfur dioxide (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	6.00	5.92	4.48	4.40	4.08
2	5.96	5.91	4.48	4.40	4.08
3	5.98	5.97	4.45	4.38	4.08
<b>Average</b>	<b>5.98</b>	<b>5.93</b>	<b>4.47</b>	<b>4.39</b>	<b>4.08</b>

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Date: April 30, 2025  
 Start time: 11:00 AM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: TELEDYNE 200 EM  
 SO<sub>2</sub> instrument Model: TELEDYNE 100 EH  
 Fuel Type : Fuel Gas

Run # : 1  
 Location : 2150 - H1/2  
 Finish time : 11:20 AM  
 Serial No.: 071023-47  
 Serial No.: 435  
 Serial No.: 186  
 Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
11:00 AM	6.06	16.00	4.46
11:01 AM	6.05	15.03	4.56
11:02 AM	6.06	15.95	4.56
11:03 AM	6.01	15.80	4.51
11:04 AM	5.99	15.56	4.50
11:05 AM	5.95	15.62	4.48
11:06 AM	6.02	15.82	4.48
11:07 AM	5.97	15.86	4.43
11:08 AM	5.99	15.86	4.41
11:09 AM	5.96	15.70	4.44
11:10 AM	5.96	15.45	4.49
11:11 AM	5.94	15.17	4.47
11:12 AM	6.07	15.14	4.52
11:13 AM	5.91	15.57	4.55
11:14 AM	5.90	16.06	4.53
11:15 AM	5.94	15.16	4.47
11:16 AM	6.02	15.90	4.44
11:17 AM	6.16	15.74	4.45
11:18 AM	6.06	15.43	4.45
11:19 AM	6.05	15.51	4.44
11:20 AM	6.00	16.00	4.52
<b>Average</b>	<b>6.00</b>	<b>15.63</b>	<b>4.48</b>

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 2

Date: April 30, 2025  
 Start time: 11:21 AM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: TELEDYNE 200 EM  
 SO<sub>2</sub> instrument Model: TELEDYNE 100 EH  
 Fuel Type : Fuel Gas

Location : 2150 - H1/2  
 Finish time : 11:41 AM  
 Serial No.: 071023-47  
 Serial No.: 435  
 Serial No.: 186  
 Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
11:21 AM	5.98	15.96	4.46
11:22 AM	6.01	15.57	4.56
11:23 AM	6.05	16.08	4.56
11:24 AM	5.97	15.12	4.51
11:25 AM	5.94	15.92	4.50
11:26 AM	6.00	15.06	4.48
11:27 AM	6.06	15.80	4.48
11:28 AM	6.04	15.79	4.43
11:29 AM	5.98	15.56	4.41
11:30 AM	5.99	15.31	4.44
11:31 AM	5.91	15.70	4.49
11:32 AM	5.87	14.92	4.47
11:33 AM	5.86	14.84	4.52
11:34 AM	5.94	15.70	4.55
11:35 AM	6.04	15.26	4.53
11:36 AM	5.98	15.02	4.47
11:37 AM	5.98	16.20	4.44
11:38 AM	5.91	16.27	4.45
11:39 AM	5.88	14.92	4.45
11:40 AM	5.85	14.82	4.44
11:41 AM	5.85	15.07	4.52
Average	5.96	15.47	4.48

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 3

Date: April 30, 2025  
 Start time: 11:42 AM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: TELEDYNE 200 EM  
 SO<sub>2</sub> instrument Model: TELEDYNE 100 EH  
 Fuel Type : Fuel Gas

Location : 2150 - H1/2  
 Finish time : 12:02 PM  
 Serial No.: 071023-47  
 Serial No.: 435  
 Serial No.: 186  
 Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
11:42 AM	5.87	15.40	4.52
11:43 AM	5.83	15.54	4.51
11:44 AM	5.89	15.49	4.51
11:45 AM	5.91	15.61	4.55
11:46 AM	5.93	15.56	4.49
11:47 AM	5.96	15.61	4.45
11:48 AM	6.01	15.84	4.34
11:49 AM	6.02	15.48	4.40
11:50 AM	6.11	14.87	4.39
11:51 AM	6.01	14.88	4.37
11:52 AM	6.08	14.95	4.36
11:53 AM	6.11	14.67	4.41
11:54 AM	6.08	15.73	4.43
11:55 AM	5.91	15.58	4.45
11:56 AM	5.89	15.28	4.54
11:57 AM	5.94	15.16	4.57
11:58 AM	5.97	15.29	4.51
11:59 AM	5.90	15.30	4.52
12:00 PM	6.02	15.20	4.34
12:01 PM	6.05	16.06	4.49
12:02 PM	6.12	15.06	4.38
Average	5.98	15.36	4.45

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist



บริษัท ซีคอต จำกัด  
SECOT CO., LTD.

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TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

STACK EMISSION ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REFERENCE NO. : 225097-Stk-2504-0039  
Branch 5 (Aromatics 2 Plant)  
SAMPLING BY : SECOT Co., Ltd. SAMPLING DATE : 02/05/2025  
RECEIVED DATE : 14/05/2025 ANALYTICAL DATE : 14-28/05/2025  
REPORT DATE : 29/05/2025 SAMPLE CONDITION : Normal  
STACK LOCATION : 2200-H1/2/3/4 SITE OPERATOR : Mr. Song Hengchwankul  
SOURCE DESCRIPTION : Combustion FUEL TYPE : Fuel gas  
STACK DESCRIPTION

Height : 100.00 m Gas Velocity : 8.9 m/s  
Diameter : 3.90 m Flow rate<sup>1/</sup> : 3,352 Ncu.m/min  
Temperature : 195.5 °C Excess Oxygen : 7.0 %  
Moisture : 16.6 %

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD <sup>2/</sup>		REFERENCE METHOD
		7.0%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Sulfur Dioxide (SO <sub>2</sub> )	ppm	6.74	6.73	0.987	102	16.704	US EPA Method 6C
Oxide of Nitrogen (NO <sub>x</sub> )	ppm	23.90	23.86	2.512	58	6.858	US EPA Method 7E

  
(Miss Katesarin Vorradetwittaya)  
Environmental Scientist  
REG.NO. 7-239-0-0006

  
(Miss Preeda Somjai)  
Technical Management Team  
REG.NO. 7-239-0-0006

- Remark : 1. Reported analysis refers to submitted sample only.  
2. This report shall not be reproduced, except in full, without official approval.  
3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.  
4. <sup>2/</sup> The assigned value in EIA report (B.E.2568).  
5. - Not available.



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REFERENCE NO. : 225097-Stk-2504-0039  
Branch 5 (Aromatics 2 Plant)  
SAMPLING BY : SECOT Co., Ltd. SAMPLING DATE : 02/05/2025  
RECEIVED DATE : 03/05/2025 ANALYTICAL DATE : 06/05/2025  
REPORT DATE : 16/05/2025 SAMPLE CONDITION : Normal  
STACK LOCATION : 2200-H1/2/3/4 SITE OPERATOR : Mr. Kittipong Thakoengsuk  
SOURCE DESCRIPTION : Combustion FUEL TYPE : Fuel gas  
STACK DESCRIPTION

Height : 100.00 m Gas Velocity : 8.9 m/s  
Diameter : 3.90 m Flow rate<sup>1/</sup> : 3,352 Ncu.m/min  
Temperature : 195.5 °C Excess Oxygen : 7.0 %  
Moisture : 16.6 %

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD		REFERENCE METHOD
		7.0%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	2.09	2.08	0.211	-	-	US. EPA Method 25A

  
(Miss Sudaporn Soonthorn)  
Analyst

  
(Miss Narisa Poowasanpetch)  
Technical Management Team

- Remark : 1. Reported analysis refers to submitted sample only.  
2. This report shall not be reproduced, except in full, without official approval.  
3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.  
4. - Not available.

**The Monitoring Result of Emission Concentration**  
**2200 - H1/2/3/4**  
**PTT Global Chemical Public Company Limited**  
**May 2, 2025**

Run Number	Oxygen content (%)		Oxide of Nitrogen (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	7.11	7.02	23.96	23.94	23.97
2	7.10	7.03	23.96	23.94	23.99
3	6.92	6.87	23.85	23.83	23.61
<b>Average</b>	<b>7.04</b>	<b>6.97</b>	<b>23.92</b>	<b>23.90</b>	<b>23.86</b>

Run Number	Oxygen content (%)		Sulfur dioxide (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	7.11	7.02	6.93	6.86	6.87
2	7.10	7.03	6.72	6.65	6.66
3	6.92	6.87	6.78	6.72	6.66
<b>Average</b>	<b>7.04</b>	<b>6.97</b>	<b>6.81</b>	<b>6.74</b>	<b>6.73</b>

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 1

**Date:** May 2, 2025  
**Start time:** 10:50 AM  
**O<sub>2</sub> instrument Model:** AMI 70  
**NO<sub>x</sub> instrument Model:** API 200 AH  
**SO<sub>2</sub> instrument Model:** API 100 AH  
**Fuel Type :** Fuel Gas

**Location :** 2200 - H1/2/3/4  
**Finish time :** 11:10 AM  
**Serial No.:** 161212-13  
**Serial No.:** 314  
**Serial No.:** 058  
**Test Operator :** Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
10:50 AM	7.13	24.12	7.32
10:51 AM	7.13	24.07	7.36
10:52 AM	7.11	23.84	7.32
10:53 AM	7.07	23.75	7.19
10:54 AM	6.99	23.86	7.13
10:55 AM	7.21	23.62	7.10
10:56 AM	7.13	23.55	6.89
10:57 AM	7.06	23.85	6.94
10:58 AM	7.07	23.94	6.89
10:59 AM	7.09	23.88	6.94
11:00 AM	7.16	24.01	6.95
11:01 AM	7.12	24.51	7.00
11:02 AM	7.13	24.45	7.09
11:03 AM	7.11	24.25	7.15
11:04 AM	7.14	24.20	6.56
11:05 AM	7.04	24.12	6.56
11:06 AM	7.18	24.03	6.61
11:07 AM	7.15	24.11	6.62
11:08 AM	7.12	23.73	6.63
11:09 AM	7.15	23.56	6.64
11:10 AM	7.09	23.63	6.63
<b>Average</b>	<b>7.11</b>	<b>23.96</b>	<b>6.93</b>

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 2

Date: May 2, 2025  
 Start time: 11:11 AM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: API 200 AH  
 SO<sub>2</sub> instrument Model: API 100 AH  
 Fuel Type : Fuel Gas

Location : 2200 - H1/2/3/4  
 Finish time : 11:31 AM  
 Serial No.: 161212-13  
 Serial No.: 314  
 Serial No.: 058  
 Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
11:11 AM	7.15	23.86	6.63
11:12 AM	7.07	24.00	6.62
11:13 AM	7.20	23.86	6.58
11:14 AM	7.10	23.84	6.60
11:15 AM	7.16	24.02	6.65
11:16 AM	7.17	23.76	6.66
11:17 AM	7.14	23.75	6.65
11:18 AM	7.10	23.94	6.74
11:19 AM	7.07	23.82	6.78
11:20 AM	7.12	23.88	6.72
11:21 AM	7.19	24.03	6.77
11:22 AM	7.07	24.16	6.75
11:23 AM	7.08	24.20	6.75
11:24 AM	7.03	24.25	6.80
11:25 AM	7.10	24.06	6.75
11:26 AM	7.08	23.88	6.79
11:27 AM	7.11	23.89	6.82
11:28 AM	7.05	23.84	6.82
11:29 AM	7.02	23.89	6.81
11:30 AM	6.98	24.09	6.74
11:31 AM	7.03	24.10	6.77
Average	7.10	23.96	6.72

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 3

Date: May 2, 2025  
 Start time: 11:32 AM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: API 200 AH  
 SO<sub>2</sub> instrument Model: API 100 AH  
 Fuel Type : Fuel Gas

Location : 2200 - H1/2/3/4  
 Finish time : 11:52 AM  
 Serial No.: 161212-13  
 Serial No.: 314  
 Serial No.: 058  
 Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
11:32 AM	7.03	24.06	6.77
11:33 AM	6.96	24.05	6.77
11:34 AM	6.90	24.25	6.75
11:35 AM	6.91	24.08	6.79
11:36 AM	6.94	23.62	6.80
11:37 AM	6.85	23.71	6.81
11:38 AM	6.98	23.94	6.82
11:39 AM	6.94	23.93	6.88
11:40 AM	6.83	23.79	6.83
11:41 AM	6.96	23.83	6.84
11:42 AM	6.85	23.83	6.89
11:43 AM	6.83	23.59	6.87
11:44 AM	6.88	23.66	6.85
11:45 AM	6.90	23.79	6.88
11:46 AM	6.85	23.59	6.83
11:47 AM	6.92	23.62	6.82
11:48 AM	7.01	23.92	6.73
11:49 AM	6.93	23.97	6.65
11:50 AM	6.97	23.91	6.64
11:51 AM	6.94	23.86	6.57
11:52 AM	6.87	23.93	6.51
Average	6.92	23.85	6.78

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist



บริษัท ซีคอต จำกัด  
SECOT CO., LTD.

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TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

#### STACK EMISSION ANALYSIS REPORT

CLIENT NAME	PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	SECOT Co., Ltd.	SAMPLING DATE	02/05/2025
RECEIVED DATE	14/05/2025	ANALYTICAL DATE	14-28/05/2025
REPORT DATE	29/05/2025	SAMPLE CONDITION	Normal
STACK LOCATION	2320-H1/2/3/5	SITE OPERATOR	Mr. Song Hengchwankul
SOURCE DESCRIPTION	Combustion	FUEL TYPE	Fuel gas

#### STACK DESCRIPTION

Height	56.94	m	Gas Velocity	4.9	m/s
Diameter	2.10	m	Flow rate <sup>1/</sup>	498	Ncu.m/min
Temperature	245.0	°C	Excess Oxygen	8.8	%
Moisture	15.2	%			

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD <sup>2/</sup>		REFERENCE
		8.8%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Sulfur Dioxide (SO <sub>2</sub> )	ppm	3.84	4.42	0.084	117	3.382	US EPA Method 6C
Oxide of Nitrogen (NO <sub>x</sub> )	ppm	28.15	32.33	0.439	69	1.440	US EPA Method 7E

(Miss Katesarin Vorradetwittaya)

Environmental Scientist

REG.NO. 2-239-ก-0006

(Miss Preeda Somjai)

Technical Management Team

REG.NO. 2-239-ก-0006

- Remark :**
1. Reported analysis refers to submitted sample only.
  2. This report shall not be reproduced, except in full, without official approval.
  3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
  4. <sup>2/</sup> The assigned value in EIA report (B.E.2568).
  5. - Not available.



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#### STACK EMISSION ANALYSIS REPORT

CLIENT NAME	PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	SECOT Co., Ltd.	SAMPLING DATE	02/05/2025
RECEIVED DATE	03/05/2025	ANALYTICAL DATE	06/05/2025
REPORT DATE	16/05/2025	SAMPLE CONDITION	Normal
STACK LOCATION	2320-H1/2/3/5	SITE OPERATOR	Mr. Rommadon Lemmad
SOURCE DESCRIPTION	Combustion	FUEL TYPE	Fuel gas

#### STACK DESCRIPTION

Height	56.94	m	Gas Velocity	4.9	m/s
Diameter	2.10	m	Flow rate <sup>1/</sup>	498	Ncu.m/min
Temperature	245.0	°C	Excess Oxygen	8.8	%
Moisture	15.2	%			

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD		REFERENCE
		8.8%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	1.53	1.76	0.023	-	-	US. EPA Method 25A

(Miss Sudaporn Soonthorn)

Analyst

(Miss Narisa Poowasanpetch)

Technical Management Team

- Remark :**
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  3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
  4. - Not available.

**The Monitoring Result of Emission Concentration**  
**2320 - H1/2/3/5**  
**PTT Global Chemical Public Company Limited**  
**May 2, 2025**

Run Number	Oxygen content (%)		Oxide of Nitrogen (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	8.80	8.74	28.61	28.59	32.68
2	8.90	8.84	28.27	28.25	32.56
3	8.87	8.82	27.62	27.60	31.76
<b>Average</b>	<b>8.86</b>	<b>8.80</b>	<b>28.17</b>	<b>28.15</b>	<b>32.33</b>

Run Number	Oxygen content (%)		Sulfur dioxide (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	8.80	8.74	3.88	3.84	4.39
2	8.90	8.84	4.01	3.96	4.56
3	8.87	8.82	3.79	3.73	4.29
<b>Average</b>	<b>8.86</b>	<b>8.80</b>	<b>3.89</b>	<b>3.84</b>	<b>4.42</b>

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 1  
Date: May 2, 2025  
Start time: 3:40 PM  
O<sub>2</sub> instrument Model: AMI 70  
NO<sub>x</sub> instrument Model: TELEDYNE 200 EM  
SO<sub>2</sub> instrument Model: TELEDYNE 100 EH  
Fuel Type : Fuel Gas  
Location : 2320 - H1/2/3/5  
Finish time : 4:00 PM  
Serial No.: 071023-47  
Serial No.: 435  
Serial No.: 186  
Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
3:40 PM	8.78	28.47	3.88
3:41 PM	8.81	28.23	3.99
3:42 PM	8.70	28.67	3.92
3:43 PM	8.50	27.79	3.90
3:44 PM	8.71	28.07	3.92
3:45 PM	8.78	28.59	3.86
3:46 PM	8.76	29.15	3.90
3:47 PM	8.81	28.39	3.89
3:48 PM	8.84	28.63	3.92
3:49 PM	8.94	28.55	3.95
3:50 PM	9.04	28.71	3.80
3:51 PM	8.84	28.79	3.93
3:52 PM	8.74	28.47	3.93
3:53 PM	8.74	28.71	3.83
3:54 PM	8.79	28.83	3.70
3:55 PM	8.76	28.05	3.79
3:56 PM	8.82	28.83	3.91
3:57 PM	8.87	28.88	3.75
3:58 PM	8.90	28.93	3.88
3:59 PM	8.89	29.07	3.96
4:00 PM	8.88	29.10	3.79
<b>Average</b>	<b>8.80</b>	<b>28.61</b>	<b>3.88</b>

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist



**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 2

Date: May 2, 2025  
 Start time: 4:01 PM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: TELEDYNE 200 EM  
 SO<sub>2</sub> instrument Model: TELEDYNE 100 EH  
 Fuel Type : Fuel Gas

Location : 2320 - H1/2/3/5  
 Finish time : 4:21 PM  
 Serial No.: 071023-47  
 Serial No.: 435  
 Serial No.: 186  
 Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
4:01 PM	8.90	28.95	3.81
4:02 PM	8.90	28.82	3.78
4:03 PM	8.93	28.65	3.88
4:04 PM	8.90	28.55	4.00
4:05 PM	8.86	28.61	3.92
4:06 PM	8.78	28.72	3.81
4:07 PM	8.81	28.74	3.75
4:08 PM	8.90	28.66	3.82
4:09 PM	8.88	28.65	3.98
4:10 PM	8.86	28.55	4.08
4:11 PM	8.96	28.43	4.14
4:12 PM	8.95	28.28	4.04
4:13 PM	8.90	28.02	4.10
4:14 PM	8.94	27.87	4.09
4:15 PM	8.91	27.84	4.11
4:16 PM	8.92	27.75	4.05
4:17 PM	8.93	27.62	4.09
4:18 PM	8.89	27.70	4.35
4:19 PM	8.90	27.72	4.23
4:20 PM	8.89	27.72	4.10
4:21 PM	8.89	27.86	4.04
Average	8.90	28.27	4.01

Signature

( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 3

Date: May 2, 2025  
 Start time: 4:22 PM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: TELEDYNE 200 EM  
 SO<sub>2</sub> instrument Model: TELEDYNE 100 EH  
 Fuel Type : Fuel Gas

Location : 2320 - H1/2/3/5  
 Finish time : 4:42 PM  
 Serial No.: 071023-47  
 Serial No.: 435  
 Serial No.: 186  
 Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
4:22 PM	8.89	27.94	4.21
4:23 PM	8.90	27.97	4.30
4:24 PM	8.83	27.89	4.15
4:25 PM	8.88	27.79	4.09
4:26 PM	8.86	27.80	3.92
4:27 PM	8.87	27.80	3.93
4:28 PM	8.88	27.91	3.75
4:29 PM	8.91	28.06	3.85
4:30 PM	8.88	28.12	3.85
4:31 PM	8.84	28.04	3.77
4:32 PM	8.89	27.81	3.62
4:33 PM	8.88	27.58	3.56
4:34 PM	8.85	27.47	3.64
4:35 PM	8.85	27.40	3.63
4:36 PM	8.87	27.36	3.68
4:37 PM	8.84	27.40	3.48
4:38 PM	8.85	27.37	3.61
4:39 PM	8.90	27.22	3.63
4:40 PM	8.82	27.23	3.70
4:41 PM	8.86	27.09	3.69
4:42 PM	8.91	26.87	3.44
Average	8.87	27.62	3.79

Signature

( Miss Katesarin Vorradetwittaya )

Environmental Scientist





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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 02/05/2025
RECEIVED DATE	: 14/05/2025	ANALYTICAL DATE	: 14-28/05/2025
REPORT DATE	: 29/05/2025	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2380-H1/H2A/H2B	SITE OPERATOR	: Mr. Song Hengchwankul
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 63.36	m	Gas Velocity	: 6.6	m/s
Diameter	: 3.01	m	Flow rate <sup>1/</sup>	: 1,592	Ncu.m/min
Temperature	: 167.0	°C	Excess Oxygen	: 5.8	%
Moisture	: 15.7	%			

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD <sup>2/</sup>		REFERENCE METHOD
		5.8%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Sulfur Dioxide (SO <sub>2</sub> )	ppm	5.39	4.95	0.375	117	10.335	US EPA Method 6C
Oxide of Nitrogen (NO <sub>x</sub> )	ppm	17.54	16.10	0.876	65	4.102	US EPA Method 7E

  
(Miss Katesarin Vorradetwittaya)

Environmental Scientist

REG.NO. 7-239-ท-0006

  
(Miss Preeda Somjai)

Technical Management Team

REG.NO. 7-239-ท-0006

- Remark :**
1. Reported analysis refers to submitted sample only.
  2. This report shall not be reproduced, except in full, without official approval.
  3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
  4. <sup>2/</sup> The assigned value in EIA report (B.E.2568).
  5. - Not available.



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 02/05/2025
RECEIVED DATE	: 03/05/2025	ANALYTICAL DATE	: 06/05/2025
REPORT DATE	: 16/05/2025	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2380-H1/H2A/H2B	SITE OPERATOR	: Mr. Thanawut Duansacng
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 63.36	m	Gas Velocity	: 6.6	m/s
Diameter	: 3.01	m	Flow rate <sup>1/</sup>	: 1,592	Ncu.m/min
Temperature	: 167.0	°C	Excess Oxygen	: 5.8	%
Moisture	: 15.7	%			

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD		REFERENCE METHOD
		5.8%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	1.72	1.58	0.082	-	-	US. EPA Method 25A

  
(Miss Sudaporn Soonthorn)

Analyst

  
(Miss Narisa Poowasanpetch)

Technical Management Team

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  2. This report shall not be reproduced, except in full, without official approval.
  3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
  4. - Not available.

The Monitoring Result of Emission Concentration  
2380 - H1/H2A/H2B  
PTT Global Chemical Public Company Limited  
May 2, 2025

Run Number	Oxygen content (%)		Oxide of Nitrogen (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	5.82	5.76	17.47	17.44	16.01
2	5.77	5.71	17.92	17.88	16.36
3	5.85	5.78	17.35	17.31	15.91
Average	5.81	5.75	17.58	17.54	16.10

Run Number	Oxygen content (%)		Sulfur dioxide (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	5.82	5.76	5.40	5.34	4.90
2	5.77	5.71	5.42	5.37	4.91
3	5.85	5.78	5.51	5.47	5.03
Average	5.81	5.75	5.44	5.39	4.95

PTT Global Chemical Public Company Limited  
EMISSION TEST RESULT

Date: May 2, 2025

Start time: 3:40 PM

O<sub>2</sub> instrument Model: AMI 70

NO<sub>x</sub> instrument Model: API 200 AH

SO<sub>2</sub> instrument Model: API 100 AH

Fuel Type : Fuel Gas

Run # : 1

Location : 2380 - H1/H2A/H2B

Finish time : 4:00 PM

Serial No.: 161212-13

Serial No.: 314

Serial No.: 058

Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
3:40 PM	5.84	17.32	5.43
3:41 PM	5.86	17.31	5.44
3:42 PM	5.78	17.23	5.42
3:43 PM	5.80	17.20	5.40
3:44 PM	5.83	17.19	5.41
3:45 PM	5.80	17.31	5.40
3:46 PM	5.78	17.34	5.39
3:47 PM	5.80	17.34	5.39
3:48 PM	5.78	17.30	5.41
3:49 PM	5.76	17.30	5.38
3:50 PM	5.88	17.38	5.36
3:51 PM	5.83	17.30	5.39
3:52 PM	5.78	17.15	5.38
3:53 PM	5.81	17.20	5.41
3:54 PM	5.84	17.35	5.38
3:55 PM	5.77	17.93	5.39
3:56 PM	5.84	17.80	5.42
3:57 PM	5.86	17.97	5.39
3:58 PM	5.87	18.15	5.40
3:59 PM	5.90	18.00	5.38
4:00 PM	5.82	17.70	5.38
Average	5.82	17.47	5.40

Signature 

( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 2

Date:	May 2, 2025	Location :	2380 - H1/H2A/H2B
Start time:	4:01 PM	Finish time :	4:21 PM
O <sub>2</sub> instrument Model:	AMI 70	Serial No.:	161212-13
NO <sub>x</sub> instrument Model:	API 200 AH	Serial No.:	314
SO <sub>2</sub> instrument Model:	API 100 AH	Serial No.:	058
Fuel Type :	Fuel Gas	Test Operator :	Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
4:01 PM	5.82	17.64	5.35
4:02 PM	5.81	17.97	5.38
4:03 PM	5.76	18.09	5.37
4:04 PM	5.74	17.95	5.34
4:05 PM	5.79	17.92	5.35
4:06 PM	5.82	18.33	5.32
4:07 PM	5.70	18.55	5.32
4:08 PM	5.79	18.29	5.31
4:09 PM	5.79	18.26	5.33
4:10 PM	5.75	18.60	5.33
4:11 PM	5.76	18.98	5.33
4:12 PM	5.80	17.37	5.32
4:13 PM	5.74	17.64	5.35
4:14 PM	5.77	17.53	5.64
4:15 PM	5.77	17.42	5.53
4:16 PM	5.73	17.42	5.52
4:17 PM	5.76	17.59	5.50
4:18 PM	5.75	17.62	5.53
4:19 PM	5.76	17.75	5.53
4:20 PM	5.76	17.67	5.53
4:21 PM	5.77	17.77	5.56
Average	5.77	17.92	5.42

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 3

Date:	May 2, 2025	Location :	2380 - H1/H2A/H2B
Start time:	4:22 PM	Finish time :	4:42 PM
O <sub>2</sub> instrument Model:	AMI 70	Serial No.:	161212-13
NO <sub>x</sub> instrument Model:	API 200 AH	Serial No.:	314
SO <sub>2</sub> instrument Model:	API 100 AH	Serial No.:	058
Fuel Type :	Fuel Gas	Test Operator :	Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
4:22 PM	5.83	17.96	5.53
4:23 PM	5.84	17.01	5.48
4:24 PM	5.85	17.17	5.53
4:25 PM	5.84	17.21	5.56
4:26 PM	5.84	17.35	5.54
4:27 PM	5.83	17.50	5.53
4:28 PM	5.86	17.40	5.52
4:29 PM	5.85	17.26	5.44
4:30 PM	5.90	17.35	5.49
4:31 PM	5.88	17.53	5.55
4:32 PM	5.86	17.49	5.53
4:33 PM	5.88	17.40	5.53
4:34 PM	5.82	17.54	5.51
4:35 PM	5.81	17.34	5.48
4:36 PM	5.82	17.23	5.46
4:37 PM	5.84	17.24	5.53
4:38 PM	5.82	17.25	5.50
4:39 PM	5.86	17.21	5.50
4:40 PM	5.85	17.34	5.49
4:41 PM	5.80	17.40	5.50
4:42 PM	5.87	17.07	5.50
Average	5.85	17.35	5.51

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist



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TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 02/05/2025
RECEIVED DATE	: 14/05/2025	ANALYTICAL DATE	: 14-28/05/2025
REPORT DATE	: 29/05/2025	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2440-H1	SITE OPERATOR	: Mr. Kittipong Thakoengsuk
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 46.79	m	Gas Velocity	: 6.0	m/s
Diameter	: 2.32	m	Flow rate <sup>1/</sup>	: 884	Ncu.m/min
Temperature	: 161.0	°C	Excess Oxygen	: 5.4	%
Moisture	: 15.3	%			

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD <sup>2/</sup>		REFERENCE METHOD
		5.4%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Sulfur Dioxide (SO <sub>2</sub> )	ppm	5.15	4.62	0.199	211	11.226	US EPA Method 6C
Oxide of Nitrogen (NO <sub>x</sub> )	ppm	20.88	18.75	0.579	67	2.579	US EPA Method 7E

(Miss Katesarin Vorradetwittaya)

Environmental Scientist

REG.NO. 2-239-0-0006

(Miss Preeda Somjai)

Technical Management Team

REG.NO. 2-239-0-0006

Remark : 1. Reported analysis refers to submitted sample only.

2. This report shall not be reproduced, except in full, without official approval.

3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.

4. <sup>2/</sup> The assigned value in EIA report (B.E.2568).

5. - Not available.



บริษัท ซีคอต จำกัด  
SECOT CO., LTD.

239 ถนนริมคลองประปา แขวงบางซื่อ เขตบางซื่อ กรุงเทพฯ 10800  
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TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 02/05/2025
RECEIVED DATE	: 03/05/2025	ANALYTICAL DATE	: 06/05/2025
REPORT DATE	: 16/05/2025	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2440-H1	SITE OPERATOR	: Mr. Thanawut Duansaeng
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 46.79	m	Gas Velocity	: 6.0	m/s
Diameter	: 2.32	m	Flow rate <sup>1/</sup>	: 884	Ncu.m/min
Temperature	: 161.0	°C	Excess Oxygen	: 5.4	%
Moisture	: 15.3	%			

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD		REFERENCE METHOD
		5.4%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	1.73	1.55	0.046	-	-	US. EPA Method 25A

(Miss Sudaporn Soonthorn)

Analyst

(Miss Narisa Poowasanpetch)

Technical Management Team

Remark : 1. Reported analysis refers to submitted sample only.

2. This report shall not be reproduced, except in full, without official approval.

3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.

4. - Not available.

**The Monitoring Result of Emission Concentration**  
**2440 - H1**  
**PTT Global Chemical Public Company Limited**  
**May 2, 2025**

Run Number	Oxygen content (%)		Oxide of Nitrogen (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	5.52	5.48	20.57	20.55	18.52
2	5.46	5.42	20.97	20.94	18.80
3	5.40	5.36	21.17	21.14	18.91
<b>Average</b>	<b>5.46</b>	<b>5.42</b>	<b>20.90</b>	<b>20.88</b>	<b>18.75</b>

Run Number	Oxygen content (%)		Sulfur dioxide (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	5.52	5.48	5.14	5.09	4.59
2	5.46	5.42	5.19	5.14	4.62
3	5.40	5.36	5.26	5.21	4.66
<b>Average</b>	<b>5.46</b>	<b>5.42</b>	<b>5.20</b>	<b>5.15</b>	<b>4.62</b>

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Date: May 2, 2025  
 Start time: 12:00 PM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: TELEDYNE 200 EM  
 SO<sub>2</sub> instrument Model: API 100 AH  
 Fuel Type : Fuel Gas

Run #: 1  
 Location : 2440 - H1  
 Finish time : 12:20 PM  
 Serial No.: 161212-14  
 Serial No.: 433  
 Serial No.: 118  
 Test Operator : Kittipong T.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
12:00 PM	5.63	20.13	5.00
12:01 PM	5.62	19.86	4.96
12:02 PM	5.58	19.90	4.91
12:03 PM	5.59	20.25	4.87
12:04 PM	5.51	20.66	4.92
12:05 PM	5.54	20.59	4.89
12:06 PM	5.52	19.31	4.97
12:07 PM	5.44	20.26	5.11
12:08 PM	5.50	20.89	5.24
12:09 PM	5.53	20.80	5.28
12:10 PM	5.51	20.77	5.23
12:11 PM	5.47	20.77	5.23
12:12 PM	5.50	20.91	5.26
12:13 PM	5.47	20.91	5.30
12:14 PM	5.52	20.63	5.29
12:15 PM	5.56	20.63	5.20
12:16 PM	5.48	20.74	5.21
12:17 PM	5.47	20.85	5.24
12:18 PM	5.47	21.07	5.22
12:19 PM	5.49	21.14	5.27
12:20 PM	5.44	20.93	5.27
<b>Average</b>	<b>5.52</b>	<b>20.57</b>	<b>5.14</b>

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 2

Date: May 2, 2025  
 Start time: 12:21 PM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: TELEDYNE 200 EM  
 SO<sub>2</sub> instrument Model: API 100 AH  
 Fuel Type : Fuel Gas

Location : 2440 - H1  
 Finish time : 12:41 PM  
 Serial No.: 161212-14  
 Serial No.: 433  
 Serial No.: 118  
 Test Operator : Kittipong T.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
12:21 PM	5.54	20.66	5.19
12:22 PM	5.38	20.69	5.16
12:23 PM	5.48	21.00	5.15
12:24 PM	5.44	21.20	5.22
12:25 PM	5.44	21.20	5.23
12:26 PM	5.49	21.19	5.20
12:27 PM	5.52	21.14	5.20
12:28 PM	5.45	21.12	5.19
12:29 PM	5.46	21.11	5.25
12:30 PM	5.52	21.00	5.18
12:31 PM	5.45	21.26	5.14
12:32 PM	5.46	21.20	5.21
12:33 PM	5.54	20.95	5.21
12:34 PM	5.44	21.00	5.23
12:35 PM	5.43	20.86	5.23
12:36 PM	5.47	20.71	5.18
12:37 PM	5.48	20.91	5.18
12:38 PM	5.41	20.96	5.21
12:39 PM	5.49	20.68	5.18
12:40 PM	5.42	20.69	5.16
12:41 PM	5.39	20.77	5.15
Average	5.46	20.97	5.19

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 3

Date: May 2, 2025  
 Start time: 12:42 PM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: TELEDYNE 200 EM  
 SO<sub>2</sub> instrument Model: API 100 AH  
 Fuel Type : Fuel Gas

Location : 2440 - H1  
 Finish time : 1:02 PM  
 Serial No.: 161212-14  
 Serial No.: 433  
 Serial No.: 118  
 Test Operator : Kittipong T.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
12:42 PM	5.52	20.86	5.14
12:43 PM	5.41	21.17	5.21
12:44 PM	5.47	21.13	5.27
12:45 PM	5.39	20.70	5.19
12:46 PM	5.36	20.57	5.20
12:47 PM	5.41	21.14	5.26
12:48 PM	5.41	21.16	5.26
12:49 PM	5.41	21.17	5.26
12:50 PM	5.41	21.19	5.27
12:51 PM	5.40	21.20	5.27
12:52 PM	5.40	21.22	5.27
12:53 PM	5.40	21.23	5.28
12:54 PM	5.39	21.25	5.28
12:55 PM	5.39	21.26	5.29
12:56 PM	5.39	21.28	5.29
12:57 PM	5.39	21.29	5.29
12:58 PM	5.38	21.31	5.30
12:59 PM	5.38	21.32	5.30
1:00 PM	5.38	21.34	5.30
1:01 PM	5.37	21.35	5.31
1:02 PM	5.37	21.37	5.31
Average	5.40	21.17	5.26

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist



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TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

STACK EMISSION ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REFERENCE NO. : 225097-Stk-2504-0039  
Branch 5 (Aromatics 2 Plant)  
SAMPLING BY : SECOT Co., Ltd. SAMPLING DATE : 30/04/2025  
RECEIVED DATE : 14/05/2025 ANALYTICAL DATE : 14-28/05/2025  
REPORT DATE : 29/05/2025 SAMPLE CONDITION : Normal  
STACK LOCATION : 2440-H2A SITE OPERATOR : Mr. Kittipong Thakoengsuk  
SOURCE DESCRIPTION : Combustion FUEL TYPE : Fuel gas

STACK DESCRIPTION

Height : 60.20 m Gas Velocity : 7.9 m/s  
Diameter : 3.11 m Flow rate <sup>1/</sup> : 2,044 Ncu.m/min  
Temperature : 175.6 °C Excess Oxygen : 4.9 %  
Moisture : 14.5 %

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD <sup>2/</sup>		REFERENCE METHOD
		4.9%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Sulfur Dioxide (SO <sub>2</sub> )	ppm	4.60	4.00	0.411	223	19.767	US EPA Method 6C
Oxide of Nitrogen (NO <sub>x</sub> )	ppm	24.87	21.60	1.594	72	4.586	US EPA Method 7E

(Miss Katesarin Vorradetwittaya)

Environmental Scientist

REG.NO. 2-239-ก-0006

(Miss Preeda Somjai)

Technical Management Team

REG.NO. 2-239-ก-0006

Remark : 1. Reported analysis refers to submitted sample only.

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3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.

4. <sup>2/</sup> The assigned value in EIA report (B.E.2568).



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TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

STACK EMISSION ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REFERENCE NO. : 225097-Stk-2504-0039  
Branch 5 (Aromatics 2 Plant)  
SAMPLING BY : SECOT Co., Ltd. SAMPLING DATE : 30/04/2025  
RECEIVED DATE : 03/05/2025 ANALYTICAL DATE : 06/05/2025  
REPORT DATE : 16/05/2025 SAMPLE CONDITION : Normal  
STACK LOCATION : 2440-H2A SITE OPERATOR : Mr. Thanawut Duansang  
SOURCE DESCRIPTION : Combustion FUEL TYPE : Fuel gas

STACK DESCRIPTION

Height : 60.20 m Gas Velocity : 7.9 m/s  
Diameter : 3.11 m Flow rate <sup>1/</sup> : 2,044 Ncu.m/min  
Temperature : 175.6 °C Excess Oxygen : 4.9 %  
Moisture : 14.5 %

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD		REFERENCE METHOD
		4.9%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	6.10	5.30	0.375	-	-	US. EPA Method 25A

(Miss Sudaporn Soonthorn)

Analyst

(Miss Narisa Poowasanetch)

Technical Management Team

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3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.

4. - Not available.



**The Monitoring Result of Emission Concentration**  
**2440 - H2A**  
**PTT Global Chemical Public Company Limited**  
**April 30, 2025**

Run Number	Oxygen content (%)		Oxide of Nitrogen (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	4.94	4.92	25.68	25.66	22.32
2	4.93	4.90	24.70	24.68	21.44
3	4.91	4.86	24.29	24.28	21.04
<b>Average</b>	<b>4.93</b>	<b>4.89</b>	<b>24.89</b>	<b>24.87</b>	<b>21.60</b>

Run Number	Oxygen content (%)		Sulfur dioxide (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	4.94	4.92	4.46	4.39	3.82
2	4.93	4.90	4.68	4.63	4.02
3	4.91	4.86	4.83	4.79	4.15
<b>Average</b>	<b>4.93</b>	<b>4.89</b>	<b>4.66</b>	<b>4.60</b>	<b>4.00</b>

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Date: April 30, 2025  
 Start time: 2:30 PM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: API 200 AH  
 SO<sub>2</sub> instrument Model: API 100 AH  
 Fuel Type : Fuel Gas

Run # : 1  
 Location : 2440 - H2A  
 Finish time : 2:50 PM  
 Serial No.: 111117-2  
 Serial No.: 441  
 Serial No.: 118  
 Test Operator : Kittipong T.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
2:30 PM	4.92	25.92	4.21
2:31 PM	4.91	26.21	4.27
2:32 PM	4.97	26.31	4.31
2:33 PM	4.93	26.36	4.33
2:34 PM	4.91	26.40	4.32
2:35 PM	4.92	26.25	4.38
2:36 PM	4.93	26.10	4.38
2:37 PM	5.00	26.07	4.43
2:38 PM	4.92	25.93	4.42
2:39 PM	5.01	25.89	4.45
2:40 PM	4.93	25.81	4.42
2:41 PM	5.01	25.68	4.47
2:42 PM	5.04	25.64	4.57
2:43 PM	4.92	25.41	4.60
2:44 PM	4.97	25.13	4.70
2:45 PM	4.90	25.13	4.61
2:46 PM	4.91	25.13	4.62
2:47 PM	4.93	24.99	4.60
2:48 PM	4.94	24.96	4.58
2:49 PM	4.93	24.95	4.54
2:50 PM	4.93	24.98	4.53
<b>Average</b>	<b>4.94</b>	<b>25.68</b>	<b>4.46</b>

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist



**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

**Run # : 2**  
**Date:** April 30, 2025  
**Start time:** 2:51 PM  
**O<sub>2</sub> instrument Model:** AMI 70  
**NO<sub>x</sub> instrument Model:** API 200 AH  
**SO<sub>2</sub> instrument Model:** API 100 AH  
**Fuel Type :** Fuel Gas  
**Location :** 2440 - H2A  
**Finish time :** 3:11 PM  
**Serial No.:** 111117-2  
**Serial No.:** 441  
**Serial No.:** 118  
**Test Operator :** Kittipong T.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
2:51 PM	4.92	25.04	4.52
2:52 PM	4.93	24.99	4.52
2:53 PM	4.95	24.96	4.49
2:54 PM	4.93	24.86	4.47
2:55 PM	4.99	24.86	4.51
2:56 PM	4.89	24.91	4.55
2:57 PM	4.96	24.92	4.57
2:58 PM	4.97	24.89	4.61
2:59 PM	4.90	24.81	4.65
3:00 PM	4.95	24.70	4.67
3:01 PM	4.98	24.68	4.61
3:02 PM	4.88	24.64	4.59
3:03 PM	5.04	24.62	4.58
3:04 PM	4.98	24.69	4.72
3:05 PM	4.91	24.59	4.81
3:06 PM	4.89	24.47	4.85
3:07 PM	4.92	24.44	4.88
3:08 PM	4.94	24.49	4.89
3:09 PM	4.89	24.51	4.87
3:10 PM	4.85	24.40	4.89
3:11 PM	4.96	24.29	4.96
<b>Average</b>	4.93	24.70	4.68

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

**Run # : 3**  
**Date:** April 30, 2025  
**Start time:** 3:12 PM  
**O<sub>2</sub> instrument Model:** AMI 70  
**NO<sub>x</sub> instrument Model:** API 200 AH  
**SO<sub>2</sub> instrument Model:** API 100 AH  
**Fuel Type :** Fuel Gas  
**Location :** 2440 - H2A  
**Finish time :** 3:32 PM  
**Serial No.:** 111117-2  
**Serial No.:** 441  
**Serial No.:** 118  
**Test Operator :** Kittipong T.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
3:12 PM	4.93	24.32	4.95
3:13 PM	4.91	22.39	3.99
3:14 PM	4.91	22.88	4.63
3:15 PM	4.90	24.81	4.87
3:16 PM	4.91	24.72	4.84
3:17 PM	4.93	24.66	4.86
3:18 PM	4.92	24.63	4.86
3:19 PM	4.93	24.54	4.88
3:20 PM	4.88	24.44	4.84
3:21 PM	4.91	24.38	4.85
3:22 PM	4.94	24.43	4.87
3:23 PM	4.85	24.44	4.86
3:24 PM	4.89	24.43	4.92
3:25 PM	4.92	24.45	4.88
3:26 PM	4.91	24.45	4.90
3:27 PM	4.90	24.49	4.89
3:28 PM	4.91	24.49	4.89
3:29 PM	4.88	24.43	4.90
3:30 PM	4.87	24.28	4.95
3:31 PM	4.86	24.15	4.93
3:32 PM	4.95	24.20	4.95
<b>Average</b>	4.91	24.29	4.83

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist



บริษัท ซีคอต จำกัด  
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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 30/04/2025
RECEIVED DATE	: 14/05/2025	ANALYTICAL DATE	: 14-28/05/2025
REPORT DATE	: 29/05/2025	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2440-H2B	SITE OPERATOR	: Mr. Song Hengchwankul
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 60.20	m	Gas Velocity	: 6.3	m/s
Diameter	: 3.11	m	Flow rate <sup>1/</sup>	: 1,568	Ncu.m/min
Temperature	: 180.0	°C	Excess Oxygen	: 5.1	%
Moisture	: 15.9	%			

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD <sup>2/</sup>		REFERENCE METHOD
		5.1%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Sulfur Dioxide (SO <sub>2</sub> )	ppm	3.36	2.96	0.230	223	19.767	US EPA Method 6C
Oxide of Nitrogen (NO <sub>x</sub> )	ppm	24.54	21.63	1.206	72	4.586	US EPA Method 7E

(Miss Katesarin Vorradetwittaya)

Environmental Scientist

REG.NO. 2-239-ท-0006

(Miss Preeda Somjai)

Technical Management Team

REG.NO. 2-239-ท-0006

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3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.

4. <sup>2/</sup> The assigned value in EIA report (B.E.2568).



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 30/04/2025
RECEIVED DATE	: 03/05/2025	ANALYTICAL DATE	: 06/05/2025
REPORT DATE	: 16/05/2025	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2440-H2B	SITE OPERATOR	: Mr. Kittipong Thakoengsuk
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 60.20	m	Gas Velocity	: 6.3	m/s
Diameter	: 3.11	m	Flow rate <sup>1/</sup>	: 1,568	Ncu.m/min
Temperature	: 180.0	°C	Excess Oxygen	: 5.1	%
Moisture	: 15.9	%			

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD		REFERENCE METHOD
		5.1%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	3.50	3.08	0.165	-	-	US. EPA Method 25A

(Miss Sudaporn Soonthorn)

Analyst

(Miss Narisa Poowasanpeteh)

Technical Management Team

Remark : 1. Reported analysis refers to submitted sample only.

2. This report shall not be reproduced, except in full, without official approval.

3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.

4. - Not available.

**The Monitoring Result of Emission Concentration**  
**2440 - H2B**  
**PTT Global Chemical Public Company Limited**  
**April 30, 2025**

Run Number	Oxygen content (%)		Oxide of Nitrogen (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	5.28	5.21	24.29	24.27	21.50
2	5.13	5.07	24.66	24.64	21.64
3	5.15	5.11	24.73	24.71	21.75
<b>Average</b>	<b>5.19</b>	<b>5.13</b>	<b>24.56</b>	<b>24.54</b>	<b>21.63</b>

Run Number	Oxygen content (%)		Sulfur dioxide (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	5.28	5.21	3.41	3.38	2.99
2	5.13	5.07	3.42	3.37	2.96
3	5.15	5.11	3.38	3.32	2.92
<b>Average</b>	<b>5.19</b>	<b>5.13</b>	<b>3.40</b>	<b>3.36</b>	<b>2.96</b>

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Date: April 30, 2025  
 Start time: 2:30 PM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: API 200 AH  
 SO<sub>2</sub> instrument Model: API 100 AH  
 Fuel Type : Fuel Gas

Run # : 1  
 Location : 2440 - H2B  
 Finish time : 2:50 PM  
 Serial No.: 161212-13  
 Serial No.: 314  
 Serial No.: 058  
 Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
2:30 PM	5.27	24.67	3.49
2:31 PM	5.24	24.74	3.51
2:32 PM	5.24	24.85	3.51
2:33 PM	5.27	24.90	3.48
2:34 PM	5.23	24.91	3.40
2:35 PM	5.22	24.93	3.40
2:36 PM	5.30	24.83	3.40
2:37 PM	5.24	24.72	3.40
2:38 PM	5.30	24.85	3.41
2:39 PM	5.32	24.77	3.42
2:40 PM	5.24	24.60	3.42
2:41 PM	5.23	24.74	3.39
2:42 PM	5.31	24.85	3.35
2:43 PM	5.55	22.51	3.36
2:44 PM	5.45	22.74	3.34
2:45 PM	5.30	23.14	3.35
2:46 PM	5.30	23.40	3.36
2:47 PM	5.30	23.61	3.35
2:48 PM	5.19	23.91	3.39
2:49 PM	5.23	24.13	3.37
2:50 PM	5.17	24.32	3.41
<b>Average</b>	<b>5.28</b>	<b>24.29</b>	<b>3.41</b>

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 2

Date: April 30, 2025  
 Start time: 2:51 PM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: API 200 AH  
 SO<sub>2</sub> instrument Model: API 100 AH  
 Fuel Type : Fuel Gas

Location : 2440 - H2B  
 Finish time : 3:11 PM  
 Serial No.: 161212-13  
 Serial No.: 314  
 Serial No.: 058  
 Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NOx (ppm)	SO2 (ppm)
2:51 PM	5.16	24.57	3.40
2:52 PM	5.16	24.53	3.37
2:53 PM	5.12	24.31	3.36
2:54 PM	5.20	24.22	3.38
2:55 PM	5.13	24.53	3.38
2:56 PM	5.15	24.54	3.37
2:57 PM	5.19	24.52	3.35
2:58 PM	5.15	24.72	3.35
2:59 PM	5.13	24.79	3.35
3:00 PM	5.17	24.64	3.33
3:01 PM	5.06	24.85	3.34
3:02 PM	5.12	24.72	3.32
3:03 PM	5.21	24.66	3.36
3:04 PM	5.09	24.88	3.48
3:05 PM	5.09	24.84	3.48
3:06 PM	5.05	24.67	3.54
3:07 PM	5.13	24.64	3.54
3:08 PM	5.15	24.86	3.52
3:09 PM	5.08	24.83	3.50
3:10 PM	5.10	24.80	3.52
3:11 PM	5.10	24.73	3.51
Average	5.13	24.66	3.42

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Run # : 3

Date: April 30, 2025  
 Start time: 3:12 PM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: API 200 AH  
 SO<sub>2</sub> instrument Model: API 100 AH  
 Fuel Type : Fuel Gas

Location : 2440 - H2B  
 Finish time : 3:32 PM  
 Serial No.: 161212-13  
 Serial No.: 314  
 Serial No.: 058  
 Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NOx (ppm)	SO2 (ppm)
3:12 PM	5.08	24.74	3.43
3:13 PM	5.14	24.49	3.33
3:14 PM	5.13	24.68	3.34
3:15 PM	5.07	24.77	3.33
3:16 PM	5.10	25.02	3.33
3:17 PM	5.07	25.09	3.31
3:18 PM	5.07	24.90	3.31
3:19 PM	5.13	24.65	3.32
3:20 PM	5.04	24.69	3.31
3:21 PM	5.13	24.45	3.30
3:22 PM	5.08	24.29	3.31
3:23 PM	5.04	24.53	3.39
3:24 PM	5.12	24.65	3.41
3:25 PM	5.08	24.66	3.45
3:26 PM	5.10	24.68	3.44
3:27 PM	5.06	24.80	3.45
3:28 PM	5.25	24.93	3.47
3:29 PM	5.30	24.64	3.44
3:30 PM	5.35	24.71	3.46
3:31 PM	5.37	24.95	3.46
3:32 PM	5.37	25.01	3.42
Average	5.15	24.73	3.38

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist



บริษัท ซีคอต จำกัด  
SECOT CO., LTD.

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TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 02/05/2025
RECEIVED DATE	: 14/05/2025	ANALYTICAL DATE	: 14-28/05/2025
REPORT DATE	: 29/05/2025	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2440-H20	SITE OPERATOR	: Mr. Song Hengchwankul
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 32.06 m	Gas Velocity	: 3.0 m/s
Diameter	: 1.27 m	Flow rate <sup>1/</sup>	: 134 Ncu.m/min
Temperature	: 160.9 °C	Excess Oxygen	: 7.3 %
Moisture	: 14.9 %		

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD <sup>2/</sup>		REFERENCE METHOD
		7.3%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Sulfur Dioxide (SO <sub>2</sub> )	ppm	3.57	3.64	0.021	97	0.963	US EPA Method 6C
Oxide of Nitrogen (NO <sub>x</sub> )	ppm	2.28	2.32	0.010	56	0.397	US EPA Method 7E

  
(Miss Katesarin Vorradetwittaya)

Environmental Scientist

REG.NO. 7-239-ก-0006

  
(Miss Preeda Somjai)

Technical Management Team

REG.NO. 7-239-ก-0006

- Remark :**
1. Reported analysis refers to submitted sample only.
  2. This report shall not be reproduced, except in full, without official approval.
  3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
  4. <sup>2/</sup> The assigned value in EIA report (B.E.2568).



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 225097-Stk-2504-0039
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 02/05/2025
RECEIVED DATE	: 03/05/2025	ANALYTICAL DATE	: 06/05/2025
REPORT DATE	: 16/05/2025	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2440-H20	SITE OPERATOR	: Mr. Kittipong Thakoengsuk
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 32.06 m	Gas Velocity	: 3.0 m/s
Diameter	: 1.27 m	Flow rate <sup>1/</sup>	: 134 Ncu.m/min
Temperature	: 160.9 °C	Excess Oxygen	: 7.3 %
Moisture	: 14.9 %		

PARAMETER	UNIT	RESULT <sup>1/</sup>			STANDARD		REFERENCE METHOD
		7.3%O <sub>2</sub>	7%O <sub>2</sub>	g/s	7%O <sub>2</sub>	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	12.73	12.97	0.051	-	-	US. EPA Method 25A

  
(Miss Sudaporn Soonthorn)

Analyst

  
(Miss Narisa Poowasanpetch)

Technical Management Team

- Remark :**
1. Reported analysis refers to submitted sample only.
  2. This report shall not be reproduced, except in full, without official approval.
  3. <sup>1/</sup> At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
  4. - Not available.

**The Monitoring Result of Emission Concentration**  
**2440 - H2O**  
**PTT Global Chemical Public Company Limited**  
**May 2, 2025**

Run Number	Oxygen content (%)		Oxide of Nitrogen (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	7.38	7.29	2.35	2.28	2.33
2	7.32	7.24	2.37	2.30	2.34
3	7.29	7.23	2.32	2.25	2.29
<b>Average</b>	<b>7.33</b>	<b>7.25</b>	<b>2.35</b>	<b>2.28</b>	<b>2.32</b>

Run Number	Oxygen content (%)		Sulfur dioxide (ppm)		
	RM Stack Gas Conc	Corrected Gas Conc	RM Stack Gas Conc	Corrected Gas Conc @Actual O2	Corrected Gas Conc @7% O2
1	7.38	7.29	3.36	3.32	3.39
2	7.32	7.24	3.53	3.49	3.55
3	7.29	7.23	3.94	3.90	3.97
<b>Average</b>	<b>7.33</b>	<b>7.25</b>	<b>3.61</b>	<b>3.57</b>	<b>3.64</b>

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

Date: May 2, 2025  
 Start time: 10:50 AM  
 O<sub>2</sub> instrument Model: AMI 70  
 NO<sub>x</sub> instrument Model: Teledyne 200 EM  
 SO<sub>2</sub> instrument Model: Teledyne 100 EH  
 Fuel Type : Fuel Gas

Run # : 1  
 Location : 2440 - H2O  
 Finish time : 11:10 AM  
 Serial No.: 071023-47  
 Serial No.: 435  
 Serial No.: 186  
 Test Operator : Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
10:50 AM	7.56	2.07	3.26
10:51 AM	7.46	2.18	3.22
10:52 AM	7.52	2.17	3.41
10:53 AM	7.63	2.34	3.42
10:54 AM	7.46	2.51	3.22
10:55 AM	7.38	2.38	3.25
10:56 AM	7.33	2.54	3.36
10:57 AM	7.33	2.36	3.21
10:58 AM	7.30	2.44	3.29
10:59 AM	7.31	2.28	3.32
11:00 AM	7.34	2.41	3.33
11:01 AM	7.35	2.48	3.37
11:02 AM	7.35	2.28	3.34
11:03 AM	7.33	2.41	3.38
11:04 AM	7.34	2.41	3.38
11:05 AM	7.34	2.28	3.42
11:06 AM	7.32	2.54	3.43
11:07 AM	7.33	1.91	3.42
11:08 AM	7.32	2.54	3.50
11:09 AM	7.32	2.48	3.48
11:10 AM	7.31	2.41	3.51
<b>Average</b>	<b>7.38</b>	<b>2.35</b>	<b>3.36</b>

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

**Run # : 2**  
**Date:** May 2, 2025  
**Start time:** 11:11 AM  
**O<sub>2</sub> instrument Model:** AMI 70  
**NO<sub>x</sub> instrument Model:** Teledyne 200 EM  
**SO<sub>2</sub> instrument Model:** Teledyne 100 EH  
**Fuel Type :** Fuel Gas  
**Location :** 2440 - H20  
**Finish time :** 11:31 AM  
**Serial No.:** 071023-47  
**Serial No.:** 435  
**Serial No.:** 186  
**Test Operator :** Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
11:11 AM	7.33	2.48	3.52
11:12 AM	7.35	2.54	3.50
11:13 AM	7.34	2.48	3.45
11:14 AM	7.32	2.34	3.46
11:15 AM	7.32	2.45	3.42
11:16 AM	7.32	2.44	3.34
11:17 AM	7.35	2.48	3.33
11:18 AM	7.33	2.48	3.32
11:19 AM	7.30	2.34	3.33
11:20 AM	7.30	2.34	3.36
11:21 AM	7.31	2.34	3.36
11:22 AM	7.32	2.34	3.39
11:23 AM	7.31	2.34	3.38
11:24 AM	7.30	2.34	3.40
11:25 AM	7.31	2.34	3.42
11:26 AM	7.35	2.34	3.85
11:27 AM	7.35	2.18	3.86
11:28 AM	7.31	2.24	3.87
11:29 AM	7.32	2.35	3.88
11:30 AM	7.31	2.34	3.88
11:31 AM	7.33	2.34	3.89
<b>Average</b>	7.32	2.37	3.53

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist

**PTT Global Chemical Public Company Limited**  
**EMISSION TEST RESULT**

**Run # : 3**  
**Date:** May 2, 2025  
**Start time:** 11:32 AM  
**O<sub>2</sub> instrument Model:** AMI 70  
**NO<sub>x</sub> instrument Model:** Teledyne 200 EM  
**SO<sub>2</sub> instrument Model:** Teledyne 100 EH  
**Fuel Type :** Fuel Gas  
**Location :** 2440 - H20  
**Finish time :** 11:52 AM  
**Serial No.:** 071023-47  
**Serial No.:** 435  
**Serial No.:** 186  
**Test Operator :** Song H.

Time, min	O <sub>2</sub> (%)	NO <sub>x</sub> (ppm)	SO <sub>2</sub> (ppm)
11:32 AM	7.36	2.24	3.89
11:33 AM	7.38	2.24	3.90
11:34 AM	7.33	2.34	3.95
11:35 AM	7.31	2.34	3.97
11:36 AM	7.35	2.34	4.00
11:37 AM	7.35	2.34	4.00
11:38 AM	7.31	2.34	3.95
11:39 AM	7.29	2.34	3.97
11:40 AM	7.30	2.34	3.97
11:41 AM	7.30	2.34	4.00
11:42 AM	7.29	2.34	3.96
11:43 AM	7.25	2.34	3.96
11:44 AM	7.24	2.34	3.95
11:45 AM	7.27	2.34	3.94
11:46 AM	7.28	2.35	3.91
11:47 AM	7.24	2.34	3.95
11:48 AM	7.25	2.35	3.93
11:49 AM	7.24	2.31	3.90
11:50 AM	7.27	2.34	3.92
11:51 AM	7.27	2.33	3.91
11:52 AM	7.29	2.20	3.89
<b>Average</b>	7.29	2.32	3.94

Signature



( Miss Katesarin Vorradetwittaya )

Environmental Scientist





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SECOT CO., LTD.

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STACK EMISSION ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REFERENCE NO. : 225097-Stk-2504-0039  
Branch 5 (Aromatics 2 Plant)  
SAMPLING BY : SECOT Co., Ltd. SAMPLING DATE : 02/05/2025  
RECEIVED DATE : 03/05/2025 ANALYTICAL DATE : 05/05/2025  
REPORT DATE : 16/05/2025 SAMPLE CONDITION : Normal  
STACK LOCATION : VRU (Outlet) SITE OPERATOR : Mr. Rommadon Lemmad  
SOURCE DESCRIPTION : Process FUEL TYPE : Fuel gas

PARAMETER	UNIT	ND Non detectable	RESULT	STANDARD	REFERENCE METHOD
Benzene	ppm	0.06	0.19	-	US. EPA Method 18

Sudaporn S.

(Miss Sudaporn Soonthorn)

Analyst

Maia Poowasanpetch

(Miss Narisa Poowasanpetch)

Technical Management Team

Remark : 1. Reported analysis refers to submitted sample only.

2. This report shall not be reproduced, except in full, without official approval.

3. - Not available.



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TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

STACK EMISSION ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REFERENCE NO. : 225097-Stk-2504-0039  
Branch 5 (Aromatics 2 Plant)  
SAMPLING BY : SECOT Co., Ltd. SAMPLING DATE : 02/05/2025  
RECEIVED DATE : 03/05/2025 ANALYTICAL DATE : 06/05/2025  
REPORT DATE : 16/05/2025 SAMPLE CONDITION : Normal  
STACK LOCATION : VRU (Outlet) SITE OPERATOR : Mr. Rommadon Lemmad  
SOURCE DESCRIPTION : Process FUEL TYPE : Fuel gas

PARAMETER	UNIT	RESULT	STANDARD	REFERENCE METHOD
Total Volatile Organic Compounds (TVOCs)	ppm	1,680	-	US. EPA Method 25A

Sudaporn S.

(Miss Sudaporn Soonthorn)

Analyst

Maia Poowasanpetch

(Miss Narisa Poowasanpetch)

Technical Management Team

Remark : 1. Reported analysis refers to submitted sample only.

2. This report shall not be reproduced, except in full, without official approval.

3. - Not available.



ภาคผนวก ง.3

ใบรับรองผลการตรวจวัดคุณภาพน้ำทิ้ง



**บริษัท ซีคอต จำกัด**  
**SECOT CO., LTD.**

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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

**WATER AND WASTEWATER ANALYSIS REPORT**

<b>CLIENT NAME</b>	: PTT Global Chemical Public Co., Ltd.	<b>REQUEST SERVICE No.</b>	: 0033/68
	(Branch 5 : Aromatics 2 Plant)	<b>SAMPLING METHOD</b>	: Grab
<b>SAMPLING BY</b>	: SECOT Co., Ltd.	<b>SAMPLING TIME</b>	: 14:15
<b>SAMPLING DATE</b>	: 08/01/2025	<b>ANALYTICAL DATE</b>	: 09-17/01/2025
<b>RECEIVED DATE</b>	: 09/01/2025	<b>SITE OPERATOR</b>	: Miss Salisa Ainree
<b>REPORT DATE</b>	: 18/01/2025	<b>FILE CODE</b>	: 225097_WW_January
<b>SAMPLE CONDITION</b>	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				Bio-Transfer Tank	
Temperature	°C	2550 B	< 0.5	35.8	-
pH	-	4500-H <sup>+</sup> B	< 0.10	6.76	-
Total Dissolved Solids	mg/l	2540 C	< 25	408	-
Total Suspended Solids	mg/l	2540 D	< 2.5	16	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	-
Dissolved Oxygen**	mg/l	4500-O G	< 0.10	4.3	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	136	-
COD	mg/l	5220 C	< 15.00	206	-
Total Organic Carbon ***	mg/l	5310 B	< 0.01	81.33	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0321	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED., 2017 (AWWA, APHA, WEF)

*Khemchuda Insorn*

(Miss Khemchuda Insorn)

Analyst

REG. NO. ๖-239-๓-0005

*Araya Tippiaruk*

( Mrs. Araya Tippiaruk )

Technical Management Team

REG. NO. ๖-239-๓-0004

- Remark :**
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  4. \*\*Not registered with the Department of Industrial Works.
  5. - Not available.



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**WATER AND WASTEWATER ANALYSIS REPORT**

<b>CLIENT NAME</b>	: PTT Global Chemical Public Co., Ltd.	<b>REQUEST SERVICE No.</b>	: 0033/68
	(Branch 5 : Aromatics 2 Plant)	<b>SAMPLING METHOD</b>	: Grab
<b>SAMPLING BY</b>	: SECOT Co., Ltd.	<b>SAMPLING TIME</b>	: 14:24
<b>SAMPLING DATE</b>	: 08/01/2025	<b>ANALYTICAL DATE</b>	: 09-17/01/2025
<b>RECEIVED DATE</b>	: 09/01/2025	<b>SITE OPERATOR</b>	: Miss Salisa Ainree
<b>REPORT DATE</b>	: 18/01/2025	<b>FILE CODE</b>	: 225097_WW_January
<b>SAMPLE CONDITION</b>	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				Bio-DAF หลังผ่าน Clarifier Tank	
Temperature	°C	2550 B	< 0.5	32.8	-
pH	-	4500-H <sup>+</sup> B	< 0.10	6.78	-
Total Dissolved Solids	mg/l	2540 C	< 25	343	-
Total Suspended Solids	mg/l	2540 D	< 2.5	< 2.5	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	-
Dissolved Oxygen*	mg/l	4500-O G	< 0.10	5.4	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	< 1.0	-
COD	mg/l	5220 C	< 15.00	< 15.00	-
Total Organic Carbon ***	mg/l	5310 B	< 0.01	5.29	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0021	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED., 2017 (AWWA, APHA, WEF)

*Khemchuda Insorn*

( Miss Khemchuda Insorn )

Analyst

REG. NO. ๖-239-๓-0005

*Araya Tippiaruk*

( Mrs. Araya Tippiaruk )

Technical Management Team

REG. NO. ๖-239-๓-0004

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  5. - Not available.



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**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0033/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 14:36  
**SAMPLING DATE** : 08/01/2025 **ANALYTICAL DATE** : 09-17/01/2025  
**RECEIVED DATE** : 09/01/2025 **SITE OPERATOR** : Miss Salisa Ainree  
**REPORT DATE** : 18/01/2025 **FILE CODE** : 225097\_WW\_January  
**SAMPLE CONDITION** : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD <sup>1/</sup>
				Final Effluent Basin	
Temperature	°C	2550 B	< 0.5	31.4	≤ 40
pH	-	4500-H <sup>+</sup> B	< 0.10	6.65	5.5-9.0
Total Dissolved Solids	mg/l	2540 C	< 25	359	≤ 3,000
Total Suspended Solids	mg/l	2540 D	< 2.5	< 2.5	≤ 50
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	≤ 5
Dissolved Oxygen**	mg/l	4500-O G	< 0.1	5.8	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	< 1.0	≤ 20
COD	mg/l	5220 C	< 15.00	<15.00	≤ 120
Total Organic Carbon ***	mg/l	5310 B	< 0.01	6.15	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0011	≤ 0.005

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED, 2017 (AWWA, APHA, WEF)

( Miss Khemchuda Insorn )

Analyst

REG. NO. ๓-239-๓-0005

( Mrs. Araya Tipparuk )

Technical Management Team

REG. NO. ๓-239-๓-0004

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  5. \*\*Not registered with the Department of Industrial Works.
  6. - Not available.



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**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0033/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 14:43  
**SAMPLING DATE** : 08/01/2025 **ANALYTICAL DATE** : 14/01/2025  
**RECEIVED DATE** : 09/01/2025 **SITE OPERATOR** : Miss Salisa Ainree  
**REPORT DATE** : 18/01/2025 **FILE CODE** : 225097\_WW\_January  
**SAMPLE CONDITION** : Normal

**LOCATION DESCRIPTION** : 1 = Hg Treated Water Tank (หน่วยบำบัดปรอทในน้ำเสียจากกระบวนการผลิต (น้ำจาก Desalter))

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				1	
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.3851	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED, 2017 (AWWA, APHA, WEF)

( Miss Krisana Chanthoom )

Analyst

REG. NO. ๓-239-๓-0017

( Mrs. Araya Tipparuk )

Technical Management Team

REG. NO. ๓-239-๓-0004

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**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0033/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 14:11  
**SAMPLING DATE** : 08/01/2025 **ANALYTICAL DATE** : 10/01/2025  
**RECEIVED DATE** : 09/01/2025 **SITE OPERATOR** : Miss Salisa Ainree  
**REPORT DATE** : 18/01/2025 **FILE CODE** : 225097\_WW\_January  
**SAMPLE CONDITION** : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				ระบบปล่อยน้ำก่อนเข้า Final Effluent Basin	
Zinc (Zn)	mg/l	3120 B	< 0.003	0.33	≤ 5.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21<sup>st</sup> ED. 2017 (AWWA, APHA, WEF)

( Miss Krisana Chanthoom )

Analyst

REG. NO. ๖-239-๖-0017

( Mrs. Araya Tipparuk )

Technical Management Team

REG. NO. ๖-239-๖-0004

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**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0177/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 10:35  
**SAMPLING DATE** : 05/02/2025 **ANALYTICAL DATE** : 06-14/02/2025  
**RECEIVED DATE** : 06/02/2025 **SITE OPERATOR** : Mr.Chanapon Oakkharaplon  
**REPORT DATE** : 25/02/2025 **FILE CODE** : 225097\_WW\_February  
**SAMPLE CONDITION** : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				Bio-Transfer Tank	
Temperature	°C	2550 B	< 0.5	35.2	-
pH	-	4500-H <sup>+</sup> B	< 0.10	7.14	-
Total Dissolved Solids	mg/l	2540 C	< 25	398	-
Total Suspended Solids	mg/l	2540 D	< 2.5	70	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	-
Dissolved Oxygen**	mg/l	4500-O G	< 0.10	4.5	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	147	-
COD	mg/l	5220 C	< 15.00	268	-
Total Organic Carbon ***	mg/l	5310 B	< 0.01	72.32	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.1113	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21<sup>st</sup> ED. 2017 (AWWA, APHA, WEF)

( Miss Khemchuda Insorn )

Analyst

REG. NO. ๖-239-๖-0005

( Mrs. Araya Tipparuk )

Technical Management Team

REG. NO. ๖-239-๖-0004

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  5. - Not available.



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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0177/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10:40  
SAMPLING DATE : 05/02/2025 ANALYTICAL DATE : 06-14/02/2025  
RECEIVED DATE : 06/02/2025 SITE OPERATOR : Mr.Chanapon Oakkharaplon  
REPORT DATE : 25/02/2025 FILE CODE : 225097\_WW\_February  
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND	STATION	STANDARD
			(non-detectable)	Bio-DAF หลังผ่าน Clarifier Tank	
Temperature	°C	2550 B	< 0.5	33.4	-
pH	-	4500-H <sup>+</sup> B	< 0.10	7.30	-
Total Dissolved Solids	mg/l	2540 C	< 25	392	-
Total Suspended Solids	mg/l	2540 D	< 2.5	2.5	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	-
Dissolved Oxygen*	mg/l	4500-O G	< 0.10	5.0	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	< 1.0	-
COD	mg/l	5220 C	< 15.00	< 15.00	-
Total Organic Carbon **	mg/l	5310 B	< 0.01	5.96	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0057	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED., 2017 (AWWA, APHA, WEF)

*Khemchuda Insorn*

( Miss Khemchuda Insorn )

Analyst

REG. NO. ๓-239-ก-0005

*Araya Tippiaruk*

( Mrs. Araya Tippiaruk )

Technical Management Team

REG. NO. ๓-239-ก-0004

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0177/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10:45  
SAMPLING DATE : 05/02/2025 ANALYTICAL DATE : 06-14/02/2025  
RECEIVED DATE : 06/02/2025 SITE OPERATOR : Mr.Chanapon Oakkharaplon  
REPORT DATE : 25/02/2025 FILE CODE : 225097\_WW\_February  
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND	STATION	STANDARD <sup>1/</sup>
			(non-detectable)	Final Effluent Basin	
Temperature	°C	2550 B	< 0.5	32.3	≤ 40
pH	-	4500-H <sup>+</sup> B	< 0.10	7.27	5.5-9.0
Total Dissolved Solids	mg/l	2540 C	< 25	421	≤ 3,000
Total Suspended Solids	mg/l	2540 D	< 2.5	3.5	≤ 50
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	≤ 5
Dissolved Oxygen**	mg/l	4500-O G	< 0.1	5.4	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	1.4	≤ 20
COD	mg/l	5220 C	< 15.00	23.24	≤ 120
Total Organic Carbon ***	mg/l	5310 B	< 0.01	6.24	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0045	≤ 0.005

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED., 2017 (AWWA, APHA, WEF)

*Khemchuda Insorn*

( Miss Khemchuda Insorn )

Analyst

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*Araya Tippiaruk*

( Mrs. Araya Tippiaruk )

Technical Management Team

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0177/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10:50  
SAMPLING DATE : 05/02/2025 ANALYTICAL DATE : 10/02/2025  
RECEIVED DATE : 06/02/2025 SITE OPERATOR : Mr.Chanapon Oakkharaplon  
REPORT DATE : 25/02/2025 FILE CODE : 225097\_WW\_February  
SAMPLE CONDITION : Normal

LOCATION DESCRIPTION : 1 = Hg Treated Water Tank (หน่วยบำบัดปรอทในน้ำเสียจากกระบวนการผลิต (น้ำจาก Desalter))

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION 1	STANDARD
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0009	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

  
( Miss Krisana Chanthoom )

Analyst

REG. NO. 7-239-ก-0017

  
( Mrs. Araya Tipparuk )

Technical Management Team

REG. NO. 7-239-ก-0004

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0177/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10:30  
SAMPLING DATE : 05/02/2025 ANALYTICAL DATE : 06/02/2025  
RECEIVED DATE : 06/02/2025 SITE OPERATOR : Mr.Chanapon Oakkharaplon  
REPORT DATE : 25/02/2025 FILE CODE : 225097\_WW\_February  
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION ระบบบำบัดเสียก่อนเข้า Final Effluent Basin	STANDARD
Zinc (Zn)	mg/l	3120 B	< 0.003	0.51	≤ 5.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

  
( Miss Krisana Chanthoom )

Analyst

REG. NO. 7-239-ก-0017

  
( Mrs. Araya Tipparuk )

Technical Management Team

REG. NO. 7-239-ก-0004

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**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0389/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 13:57  
**SAMPLING DATE** : 05/03/2025 **ANALYTICAL DATE** : 06-14/03/2025  
**RECEIVED DATE** : 06/03/2025 **SITE OPERATOR** : Mr.Chanapon Oakkharaplon  
**REPORT DATE** : 19/03/2025 **FILE CODE** : 225097\_WW\_March  
**SAMPLE CONDITION** : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				Bio-Transfer Tank	
Temperature	°C	2550 B	< 0.5	38.8	-
pH	-	4500-H <sup>+</sup> B	< 0.10	7.46	-
Total Dissolved Solids	mg/l	2540 C	< 25	410	-
Total Suspended Solids	mg/l	2540 D	< 2.5	13	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	2.3	-
Dissolved Oxygen**	mg/l	4500-O G	< 0.10	4.2	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	190	-
COD	mg/l	5220 C	< 15.00	344	-
Total Organic Carbon ***	mg/l	5310 B	< 0.01	108.50	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0030	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA,APHA, WEF)

*Khemchuda Insorn*

(Miss Khemchuda Insorn)

Analyst

REG. NO. 2-239-ก-0005

*NR*

( Mrs. Araya Tipparuk )

Technical Management Team

REG. NO. 2-239-ก-0004

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  3. \*Total Organic Carbon analysis was performed by Faculty of Public Health, Mahidol University.
  - 4.\*\*Not registered with the Department of Industrial Works.
  5. - Not available.



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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0389/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 14:02  
**SAMPLING DATE** : 05/03/2025 **ANALYTICAL DATE** : 06-14/03/2025  
**RECEIVED DATE** : 06/03/2025 **SITE OPERATOR** : Mr.Chanapon Oakkharaplon  
**REPORT DATE** : 19/03/2025 **FILE CODE** : 225097\_WW\_March  
**SAMPLE CONDITION** : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				Bio-DAF หลังผ่าน Clarifier Tank	
Temperature	°C	2550 B	< 0.5	37.2	-
pH	-	4500-H <sup>+</sup> B	< 0.10	7.28	-
Total Dissolved Solids	mg/l	2540 C	< 25	318	-
Total Suspended Solids	mg/l	2540 D	< 2.5	< 2.5	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	-
Dissolved Oxygen*	mg/l	4500-O G	< 0.10	5.2	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	< 1.0	-
COD	mg/l	5220 C	< 15.00	22.42	-
Total Organic Carbon ***	mg/l	5310 B	< 0.01	4.75	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0018	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA,APHA, WEF)

*Khemchuda Insorn*

( Miss Khemchuda Insorn )

Analyst

REG. NO. 2-239-ก-0005

*NR*

( Mrs. Araya Tipparuk )

Technical Management Team

REG. NO. 2-239-ก-0004

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**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0389/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 14:10  
**SAMPLING DATE** : 05/03/2025 **ANALYTICAL DATE** : 06-14/03/2025  
**RECEIVED DATE** : 06/03/2025 **SITE OPERATOR** : Mr.Chanapon Oakkharaplon  
**REPORT DATE** : 19/03/2025 **FILE CODE** : 225097\_WW\_March  
**SAMPLE CONDITION** : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD <sup>1/</sup>
				Final Effluent Basin	
Temperature	°C	2550 B	< 0.5	35.4	≤ 40
pH	-	4500-H <sup>+</sup> B	< 0.10	7.56	5.5-9.0
Total Dissolved Solids	mg/l	2540 C	< 25	354	≤ 3,000
Total Suspended Solids	mg/l	2540 D	< 2.5	< 2.5	≤ 50
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	≤ 5
Dissolved Oxygen**	mg/l	4500-O G	< 0.1	5.0	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	< 1.0	≤ 20
COD	mg/l	5220 C	< 15.00	22.42	≤ 120
Total Organic Carbon **	mg/l	5310 B	< 0.01	6.16	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0006	≤ 0.005

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED., 2017 (AWWA, APHA, WEF)

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  6. - Not available.



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**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0389/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 14:15  
**SAMPLING DATE** : 05/03/2025 **ANALYTICAL DATE** : 14/03/2025  
**RECEIVED DATE** : 06/03/2025 **SITE OPERATOR** : Mr.Chanapon Oakkharaplon  
**REPORT DATE** : 19/03/2025 **FILE CODE** : 225097\_WW\_March  
**SAMPLE CONDITION** : Normal

**LOCATION DESCRIPTION** : 1 = Hg Treated Water Tank (หน่วยบำบัดปรอทในน้ำเสียจากกระบวนการผลิต (น้ำจาก Desalter))

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				1	
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0027	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED., 2017 (AWWA, APHA, WEF)

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0389/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 13:54  
SAMPLING DATE : 05/03/2025 ANALYTICAL DATE : 10/03/2025  
RECEIVED DATE : 06/03/2025 SITE OPERATOR : Mr.Chanapon Oakkharaplorn  
REPORT DATE : 19/03/2025 FILE CODE : 225097\_WW\_March  
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION ระบบหล่อเย็นก่อนเข้า Final Effluent Basin	STANDARD
Zinc (Zn)	mg/l	3120 B	< 0.003	3.57	≤ 5.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21<sup>st</sup> ED. 2017 (AWWA APHA WEF)

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0653/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 14:39  
SAMPLING DATE : 09/04/2025 ANALYTICAL DATE : 09-22/04/2025  
RECEIVED DATE : 10/04/2025 SITE OPERATOR : Mr.Tanachot Changlor  
REPORT DATE : 22/04/2025 FILE CODE : 225097\_WW\_April  
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION Bio-Transfer Tank	STANDARD
Temperature	°C	2550 B	< 0.5	36.8	-
pH	-	4500-H <sup>+</sup> B	< 0.10	7.08	-
Total Dissolved Solids	mg/l	2540 C	< 25	482	-
Total Suspended Solids	mg/l	2540 D	< 2.5	22	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	2.2	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	96.5	-
COD	mg/l	5220 C	< 15.00	216	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	77.40	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0371	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21<sup>st</sup> ED. 2017 (AWWA APHA WEF)

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4. - Not available.



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**WATER AND WASTEWATER ANALYSIS REPORT**

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0653/68
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 15:05
SAMPLING DATE	: 09/04/2025	ANALYTICAL DATE	: 09-22/04/2025
RECEIVED DATE	: 10/04/2025	SITE OPERATOR	: Mr.Tanachot Changlor
REPORT DATE	: 22/04/2025	FILE CODE	: 225097_WW_April
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS	ND	STATION	STANDARD
		METHODS	(non-detectable)	Bio-DAF หลังผ่าน Clarifier Tank	
Temperature	°C	2550 B	< 0.5	34.8	-
pH	-	4500-H <sup>+</sup> B	< 0.10	7.01	-
Total Dissolved Solids	mg/l	2540 C	< 25	404	-
Total Suspended Solids	mg/l	2540 D	< 2.5	21	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	5.7	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	< 1.0	-
COD	mg/l	5220 C	< 15.00	25.84	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	4.81	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0173	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED., 2017 (AWWA, APHA, WEF)

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**WATER AND WASTEWATER ANALYSIS REPORT**

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0653/68
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 15:14
SAMPLING DATE	: 09/04/2025	ANALYTICAL DATE	: 09-22/04/2025
RECEIVED DATE	: 10/04/2025	SITE OPERATOR	: Mr.Tanachot Changlor
REPORT DATE	: 22/04/2025	FILE CODE	: 225097_WW_April
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS	ND	STATION	STANDARD <sup>1/</sup>
		METHODS	(non-detectable)	Final Effluent Basin	
Temperature	°C	2550 B	< 0.5	34.4	≤ 40
pH	-	4500-H <sup>+</sup> B	< 0.10	7.11	5.5-9.0
Total Dissolved Solids	mg/l	2540 C	< 25	416	≤ 3,000
Total Suspended Solids	mg/l	2540 D	< 2.5	3.2	≤ 50
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	≤ 5
Dissolved Oxygen	mg/l	4500-O G	< 0.1	6.2	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	< 1.0	≤ 20
COD	mg/l	5220 C	< 15.00	21.93	≤ 120
Total Organic Carbon*	mg/l	5310 B	< 0.01	5.24	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0020	≤ 0.005

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED., 2017 (AWWA, APHA, WEF)

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**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0653/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 15:22  
**SAMPLING DATE** : 09/04/2025 **ANALYTICAL DATE** : 18/04/2025  
**RECEIVED DATE** : 10/04/2025 **SITE OPERATOR** : Mr.Tanachot Changlor  
**REPORT DATE** : 22/04/2025 **FILE CODE** : 225097\_WW\_April  
**SAMPLE CONDITION** : Normal  
**LOCATION DESCRIPTION** : 1 = Hg Treated Water Tank (หน่วยบำบัดปรอทในน้ำเสียจากกระบวนการผลิต (น้ำจาก Desalter))

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION 1	STANDARD
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0014	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

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(Miss Khemchuda Insorn)

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**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0653/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 14:32  
**SAMPLING DATE** : 09/04/2025 **ANALYTICAL DATE** : 10/04/2025  
**RECEIVED DATE** : 10/04/2025 **SITE OPERATOR** : Mr.Tanachot Changlor  
**REPORT DATE** : 22/04/2025 **FILE CODE** : 225097\_WW\_April  
**SAMPLE CONDITION** : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION ระบบหล่อเย็นก่อนเข้า Final Effluent Basin	STANDARD
Zinc (Zn)	mg/l	3120 B	< 0.003	0.74	≤ 5.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

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**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0804/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 14:20  
**SAMPLING DATE** : 07/05/2025 **ANALYTICAL DATE** : 08-16/05/2025  
**RECEIVED DATE** : 08/05/2025 **SITE OPERATOR** : Mr. Aniwat Pimwanna  
**REPORT DATE** : 17/05/2025 **FILE CODE** : 225097\_WW\_May  
**SAMPLE CONDITION** : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				Bio-Transfer Tank	
Temperature	°C	2550 B	< 0.5	36.5	-
pH	-	4500-H <sup>+</sup> B	< 0.10	7.11	-
Total Dissolved Solids	mg/l	2540 C	< 25	240	-
Total Suspended Solids	mg/l	2540 D	< 2.5	29	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	-
Dissolved Oxygen**	mg/l	4500-O G	< 0.10	1.3	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	169	-
COD	mg/l	5220 C	< 15.00	296	-
Total Organic Carbon ***	mg/l	5310 B	< 0.01	42.05	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0402	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA.APHA.WEF)

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**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0804/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 14:12  
**SAMPLING DATE** : 07/05/2025 **ANALYTICAL DATE** : 08-16/05/2025  
**RECEIVED DATE** : 08/05/2025 **SITE OPERATOR** : Mr. Aniwat Pimwanna  
**REPORT DATE** : 17/05/2025 **FILE CODE** : 225097\_WW\_May  
**SAMPLE CONDITION** : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				Bio-DAF หลังฟัาน Clarifier Tank	
Temperature	°C	2550 B	< 0.5	34.7	-
pH	-	4500-H <sup>+</sup> B	< 0.10	7.05	-
Total Dissolved Solids	mg/l	2540 C	< 25	194	-
Total Suspended Solids	mg/l	2540 D	< 2.5	2.8	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	-
Dissolved Oxygen*	mg/l	4500-O G	< 0.10	5.3	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	< 1.0	-
COD	mg/l	5220 C	< 15.00	< 15.00	-
Total Organic Carbon ***	mg/l	5310 B	< 0.01	3.53	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0014	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA.APHA.WEF)

*Khemchuda Insorn*

(Miss Khemchuda Insorn)

Analyst

REG. NO. ๖-239-๓-0005

*Araya Tippiaruk*

(Mrs. Araya Tippiaruk)

Technical Management Team

REG. NO. ๖-239-๓-0004

- Remark :**
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  3. \*Total Organic Carbon analysis was performed by Faculty of Public Health, Mahidol University.
  - 4.\*\*Not registered with the Department of Industrial Works.
  5. - Not available.



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**WATER AND WASTEWATER ANALYSIS REPORT**

<b>CLIENT NAME</b>	: PTT Global Chemical Public Co., Ltd.	<b>REQUEST SERVICE No.</b>	: 0804/68
	(Branch 5 : Aromatics 2 Plant)	<b>SAMPLING METHOD</b>	: Grab
<b>SAMPLING BY</b>	: SECOT Co., Ltd.	<b>SAMPLING TIME</b>	: 14:03
<b>SAMPLING DATE</b>	: 07/05/2025	<b>ANALYTICAL DATE</b>	: 08-16/05/2025
<b>RECEIVED DATE</b>	: 08/05/2025	<b>SITE OPERATOR</b>	: Mr. Aniwat Pimwanna
<b>REPORT DATE</b>	: 17/05/2025	<b>FILE CODE</b>	: 225097_WW_May
<b>SAMPLE CONDITION</b>	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD <sup>1/</sup>
				Final Effluent Basin	
Temperature	°C	2550 B	< 0.5	34.1	≤ 40
pH	-	4500-H <sup>+</sup> B	< 0.10	7.90	5.5-9.0
Total Dissolved Solids	mg/l	2540 C	< 25	104	≤ 3,000
Total Suspended Solids	mg/l	2540 D	< 2.5	< 2.5	≤ 50
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	≤ 5
Dissolved Oxygen**	mg/l	4500-O G	< 0.1	5.4	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	1.0	≤ 20
COD	mg/l	5220 C	< 15.00	25.16	≤ 120
Total Organic Carbon ***	mg/l	5310 B	< 0.01	4.01	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0016	≤ 0.005

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED., 2017 (AWWA, APHA, WEF)

*Khemchuda Insorn*

( Miss Khemchuda Insorn )

Analyst

REG. NO. 2-239-ก-0005

*Araya Tipparak*

( Mrs. Araya Tipparak )

Technical Management Team

REG. NO. 2-239-ก-0004

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  3. <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment B.E.2559 (2016).
  4. \*Total Organic Carbon analysis was performed by Faculty of Public Health, Mahidol University.
  5. \*\*Not registered with the Department of Industrial Works.
  6. - Not available.



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**WATER AND WASTEWATER ANALYSIS REPORT**

<b>CLIENT NAME</b>	: PTT Global Chemical Public Co., Ltd.	<b>REQUEST SERVICE No.</b>	: 0804/68
	(Branch 5 : Aromatics 2 Plant)	<b>SAMPLING METHOD</b>	: Grab
<b>SAMPLING BY</b>	: SECOT Co., Ltd.	<b>SAMPLING TIME</b>	: 13:58
<b>SAMPLING DATE</b>	: 07/05/2025	<b>ANALYTICAL DATE</b>	: 16/05/2025
<b>RECEIVED DATE</b>	: 08/05/2025	<b>SITE OPERATOR</b>	: Mr. Aniwat Pimwanna
<b>REPORT DATE</b>	: 17/05/2025	<b>FILE CODE</b>	: 225097_WW_May
<b>SAMPLE CONDITION</b>	: Normal		

**LOCATION DESCRIPTION** : 1 = Hg Treated Water Tank (หน่วยบำบัดปรอทในน้ำเสียจากกระบวนการผลิต (น้ำจาก Desalter))

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				1	
Mercury (Hg)	mg/l	3112 B	< 0.0005	ND	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED., 2017 (AWWA, APHA, WEF)

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0804/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 14:15  
SAMPLING DATE : 07/05/2025 ANALYTICAL DATE : 09,13/05/2025  
RECEIVED DATE : 08/05/2025 SITE OPERATOR : Mr. Aniwat Pimwanna  
REPORT DATE : 17/05/2025 FILE CODE : 225097\_WW\_May  
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION ระบบหล่อเย็นก่อนเข้า Final Effluent Basin	STANDARD
Zinc (Zn)	mg/l	3120 B	< 0.003	0.78	≤ 5.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21<sup>st</sup> ED., 2017 (AWWA, APHA, WEF)

*Khemchuda Insorn*

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*Araya Tipparuk*

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3. <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment B.E.2559 (2016).



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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 1014/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10:31  
SAMPLING DATE : 04/06/2025 ANALYTICAL DATE : 05-13/06/2025  
RECEIVED DATE : 05/06/2025 SITE OPERATOR : Mr. Chitpon Somprasong  
REPORT DATE : 13/06/2025 FILE CODE : 225097\_WW\_June  
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION Bio-Transfer Tank	STANDARD
Temperature	°C	2550 B	< 0.5	35.0	-
pH	-	4500-H B	< 0.10	7.33	-
Total Dissolved Solids	mg/l	2540 C	< 25	200	-
Total Suspended Solids	mg/l	2540 D	< 2.5	20	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	-
Dissolved Oxygen**	mg/l	4500-O G	< 0.10	1.5	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	94	-
COD	mg/l	5220 C	< 15.00	148	-
Total Organic Carbon ***	mg/l	5310 B	< 0.01	34.14	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0130	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21<sup>st</sup> ED., 2017 (AWWA, APHA, WEF)

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*Araya Tipparuk*

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3. \*Total Organic Carbon analysis was performed by Faculty of Public Health, Mahidol University.

4. \*\*Not registered with the Department of Industrial Works.

5. - Not available.





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**WATER AND WASTEWATER ANALYSIS REPORT**

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 1014/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10:40  
SAMPLING DATE : 04/06/2025 ANALYTICAL DATE : 05-13/06/2025  
RECEIVED DATE : 05/06/2025 SITE OPERATOR : Mr. Chitpon Somprasong  
REPORT DATE : 13/06/2025 FILE CODE : 225097\_WW\_June  
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				Bio-DAF หลังผ่าน Clarifier Tank	
Temperature	°C	2550 B	< 0.5	33.7	-
pH	-	4500-H <sup>+</sup> B	< 0.10	7.01	-
Total Dissolved Solids	mg/l	2540 C	< 25	160	-
Total Suspended Solids	mg/l	2540 D	< 2.5	< 2.5	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	-
Dissolved Oxygen*	mg/l	4500-O G	< 0.10	5.5	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	< 1.0	-
COD	mg/l	5220 C	< 15.00	< 15.00	-
Total Organic Carbon **	mg/l	5310 B	< 0.01	2.77	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0019	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

*Khemchuda Insorn*

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( Mrs. Araya Tipparuk )

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**WATER AND WASTEWATER ANALYSIS REPORT**

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 1014/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10:47  
SAMPLING DATE : 04/06/2025 ANALYTICAL DATE : 05-13/06/2025  
RECEIVED DATE : 05/06/2025 SITE OPERATOR : Mr. Chitpon Somprasong  
REPORT DATE : 13/06/2025 FILE CODE : 225097\_WW\_June  
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD <sup>1/</sup>
				Final Effluent Basin	
Temperature	°C	2550 B	< 0.5	33.3	≤ 40
pH	-	4500-H <sup>+</sup> B	< 0.10	7.34	5.5-9.0
Total Dissolved Solids	mg/l	2540 C	< 25	214	≤ 3,000
Total Suspended Solids	mg/l	2540 D	< 2.5	< 2.5	≤ 50
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	≤ 5
Dissolved Oxygen**	mg/l	4500-O G	< 0.1	5.7	-
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	1.1	≤ 20
COD	mg/l	5220 C	< 15.00	35.16	≤ 120
Total Organic Carbon ***	mg/l	5310 B	< 0.01	3.59	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0014	≤ 0.005

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

*Khemchuda Insorn*

( Miss Khemchuda Insorn )

Analyst

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( Mrs. Araya Tipparuk )

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  6. - Not available.



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**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 1014/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 10:59  
**SAMPLING DATE** : 04/06/2025 **ANALYTICAL DATE** : 06/06/2025  
**RECEIVED DATE** : 05/06/2025 **SITE OPERATOR** : Mr. Chitpon Somprasong  
**REPORT DATE** : 13/06/2025 **FILE CODE** : 225097\_WW\_June  
**SAMPLE CONDITION** : Normal

**LOCATION DESCRIPTION** : 1 = Hg Treated Water Tank (หน่วยบำบัดปรอทในน้ำเสียจากกระบวนการผลิต (น้ำจาก Desalter))

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION 1	STANDARD
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0087	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

(Miss Khemchuda Insorn)

Analyst

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(Mrs. Araya Tipparuk)

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**WATER AND WASTEWATER ANALYSIS REPORT**

**CLIENT NAME** : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 1014/68  
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab  
**SAMPLING BY** : SECOT Co., Ltd. **SAMPLING TIME** : 10:26  
**SAMPLING DATE** : 04/06/2025 **ANALYTICAL DATE** : 06-07/06/2025  
**RECEIVED DATE** : 05/06/2025 **SITE OPERATOR** : Mr. Chitpon Somprasong  
**REPORT DATE** : 13/06/2025 **FILE CODE** : 225097\_WW\_June  
**SAMPLE CONDITION** : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION ระบบหล่อเย็นก่อนเข้า Final Effluent Basin	STANDARD
Zinc (Zn)	mg/l	3120 B	< 0.003	1.18	≤ 5.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

(Miss Khemchuda Insorn)

Analyst

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ภาคผนวก ง.4

ใบรับรองผลการตรวจวัดคุณภาพน้ำผิวดิน



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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0390/68
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 15:10
SAMPLING DATE	: 05/03/2025	ANALYTICAL DATE	: 06-14/03/2025
RECEIVED DATE	: 06/03/2025	SITE OPERATOR	: Mr.Chanapon Oakkharaplon
REPORT DATE	: 14/03/2025	FILE CODE	: 225097_SW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND	STATION	STANDARD <sup>1/</sup>
			(non-detectable)	คลองห้วยใหญ่ก่อนจุดระบายน้ำโครงการ 50 เมตร	
Temperature	°C	2550 B	< 0.5	35.7	n <sup>1</sup>
pH	-	4500-H <sup>+</sup> B	< 0.10	7.25	5 - 9
Total Dissolved Solids	mg/l	2540 C	< 25	358	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	*
Dissolved Oxygen	mg/l	4500-O C	< 0.10	4.9	≥ 4.0
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	< 1.0	≤ 2.0
COD	mg/l	5220 C	< 15.00	26.15	*
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0007	≤ 0.002
Zinc (Zn)	mg/l	3111 B	< 0.005	0.30	≤ 1.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA,APHA,WEF)

*Khemchuda Insorn*

( Miss Khemchuda Insorn )

Analyst

*Araya Tipparuk*

( Mrs. Araya Tipparuk )

Technical Management Team

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3. <sup>1/</sup> The Standard values of Surface Water Quality for class 3, notification by the National Environment Board No.8, B.E.2537 (1994).
4. n<sup>1</sup> means naturally but changing by no more than 3°C.
5. - Not available.



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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0390/68
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 15:20
SAMPLING DATE	: 05/03/2025	ANALYTICAL DATE	: 06-14/03/2025
RECEIVED DATE	: 06/03/2025	SITE OPERATOR	: Mr.Chanapon Oakkharaplon
REPORT DATE	: 14/03/2025	FILE CODE	: 225097_SW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND	STATION	STANDARD <sup>1/</sup>
			(non-detectable)	คลองห้วยใหญ่หลังจุดระบายน้ำโครงการ 50 เมตร	
Temperature	°C	2550 B	< 0.5	33.6	n <sup>1</sup>
pH	-	4500-H <sup>+</sup> B	< 0.10	7.23	5 - 9
Total Dissolved Solids	mg/l	2540 C	< 25	340	-
Fat Oil & Grease	mg/l	5520 B	< 2.0	ND	*
Dissolved Oxygen	mg/l	4500-O C	< 0.10	4.1	≥ 4.0
BOD <sub>5</sub>	mg/l	5210 B	< 1.0	< 1.0	≤ 2.0
COD	mg/l	5220 C	< 15.00	33.62	*
Mercury (Hg)	mg/l	3112 B	< 0.0005	ND	≤ 0.002
Zinc (Zn)	mg/l	3111 B	< 0.005	0.05	≤ 1.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA,APHA,WEF)

*Khemchuda Insorn*

( Miss Khemchuda Insorn )

Analyst

*Araya Tipparuk*

( Mrs. Araya Tipparuk )

Technical Management Team

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3. <sup>1/</sup> The Standard values of Surface Water Quality for class 3, notification by the National Environment Board No.8, B.E.2537 (1994).
4. n<sup>1</sup> means naturally but changing by no more than 3°C.
5. - Not available.

ภาคผนวก ง.5

ใบรับรองผลการตรวจวัดคุณภาพน้ำใต้ดิน



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GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0431/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Pneumatic Bladder Pump  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10:56-11:03  
SAMPLING DATE : 07/03/2025 ANALYTICAL DATE : 10/03/2025  
RECEIVED DATE : 08/03/2025 SITE OPERATOR : Mr. Jeerawat Khothamhan  
REPORT DATE : 15/03/2025 FILE CODE : 225097\_GW\_March  
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-01	STANDARD <sup>1/</sup>
Benzene	mg/l	6200 B	< 0.0002	ND	≤ 0.2
Toluene	mg/l	6200 B	< 0.0002	ND	≤ 5.0
m-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
o-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
p-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

Jutarat Jaemruen

( Miss Jutarat Jaemruen )

Analyst

REG. NO. ๖-239-๓-0022

Araya Tipparuk

( Mrs. Araya Tipparuk )

Technical Management Team

REG. NO. ๖-239-๓-0004

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GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0431/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Pneumatic Bladder Pump  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10:56-11:03  
SAMPLING DATE : 07/03/2025 ANALYTICAL DATE : 14/03/2025  
RECEIVED DATE : 08/03/2025 SITE OPERATOR : Mr. Jeerawat Khothamhan  
REPORT DATE : 15/03/2025 FILE CODE : 225097\_GW\_March  
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-01	STANDARD <sup>1/</sup>
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

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GROUND WATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.:	0431/68
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 09:41-09:56
SAMPLING DATE	: 07/03/2025	ANALYTICAL DATE	: 10/03/2025
RECEIVED DATE	: 08/03/2025	SITE OPERATOR	: Mr. Jeerawat Khotamhan
REPORT DATE	: 15/03/2025	FILE CODE	: 225097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-04	STANDARD <sup>1/</sup>
Benzene	mg/l	6200 B	< 0.0002	ND	≤ 0.2
Toluene	mg/l	6200 B	< 0.0002	ND	≤ 5.0
m-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
o-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
p-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

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Technical Management Team

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GROUND WATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.:	0431/68
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 09:41-09:56
SAMPLING DATE	: 07/03/2025	ANALYTICAL DATE	: 14/03/2025
RECEIVED DATE	: 08/03/2025	SITE OPERATOR	: Mr. Jeerawat Khotamhan
REPORT DATE	: 15/03/2025	FILE CODE	: 225097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-04	STANDARD <sup>1/</sup>
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

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Analyst

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*Araya Tipparuk*

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GROUND WATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.:	0431/68
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 10:21-10:26
SAMPLING DATE	: 07/03/2025	ANALYTICAL DATE	: 10/03/2025
RECEIVED DATE	: 08/03/2025	SITE OPERATOR	: Mr. Jeerawat Khothamhan
REPORT DATE	: 15/03/2025	FILE CODE	: 225097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-06	STANDARD <sup>1/</sup>
Benzene	mg/l	6200 B	< 0.0002	ND	≤ 0.2
Toluene	mg/l	6200 B	< 0.0002	ND	≤ 5.0
m-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
o-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
p-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

Jutarat Jaemruen  
(Miss Jutarat Jaemruen)

Analyst

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GROUND WATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.:	0431/68
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 10:21-10:26
SAMPLING DATE	: 07/03/2025	ANALYTICAL DATE	: 14/03/2025
RECEIVED DATE	: 08/03/2025	SITE OPERATOR	: Mr. Jeerawat Khothamhan
REPORT DATE	: 15/03/2025	FILE CODE	: 225097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-06	STANDARD <sup>1/</sup>
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

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GROUND WATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No. :	0431/68
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 11:56-12:05
SAMPLING DATE	: 07/03/2025	ANALYTICAL DATE	: 10/03/2025
RECEIVED DATE	: 08/03/2025	SITE OPERATOR	: Mr. Jeerawat Khothamhan
REPORT DATE	: 15/03/2025	FILE CODE	: 225097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-08	STANDARD <sup>1/</sup>
Benzene	mg/l	6200 B	< 0.0002	ND	≤ 0.2
Toluene	mg/l	6200 B	< 0.0002	ND	≤ 5.0
m-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
o-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
p-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

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GROUND WATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No. :	0431/68
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 11:56-12:05
SAMPLING DATE	: 07/03/2025	ANALYTICAL DATE	: 14/03/2025
RECEIVED DATE	: 08/03/2025	SITE OPERATOR	: Mr. Jeerawat Khothamhan
REPORT DATE	: 15/03/2025	FILE CODE	: 225097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-08	STANDARD <sup>1/</sup>
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

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*Araya Tipparuk*

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GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0431/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Pneumatic Bladder Pump  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 11:26-11:32  
SAMPLING DATE : 07/03/2025 ANALYTICAL DATE : 10/03/2025  
RECEIVED DATE : 08/03/2025 SITE OPERATOR : Mr. Jeerawat Khothamhan  
REPORT DATE : 15/03/2025 FILE CODE : 225097\_GW\_March  
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-09	STANDARD <sup>1/</sup>
Benzene	mg/l	6200 B	< 0.0002	ND	≤ 0.2
Toluene	mg/l	6200 B	< 0.0002	ND	≤ 5.0
m-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
o-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24
p-Xylene	mg/l	6200 B	< 0.0002	ND	≤ 24

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GROUND WATER ANALYSIS REPORT

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(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Pneumatic Bladder Pump  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 11:26-11:32  
SAMPLING DATE : 07/03/2025 ANALYTICAL DATE : 14/03/2025  
RECEIVED DATE : 08/03/2025 SITE OPERATOR : Mr. Jeerawat Khothamhan  
REPORT DATE : 15/03/2025 FILE CODE : 225097\_GW\_March  
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-09	STANDARD <sup>1/</sup>
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23<sup>rd</sup> ED. 2017 (AWWA, APHA, WEF)

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ภาคผนวก ง.6

ใบรับรองผลการตรวจวัดระดับเสียงทั่วไป



# Noise Monitoring Result : Working Noise

MTR-PTTGC5


LOCATION	: Aromatics 1	REFERENCE NO.	: 225097-WK Ns-2505-0037
SLM MODEL	: SCARLET TECH ST-21D	MEASUREMENT DATE	: 26/05/2025
SERIAL No.	: 820728	SITE OPERATOR	: Miss Wiraya Patchimboon

CALIBRATOR MODEL	: Cirrus CR:515	SERIAL No.	: 94296
CALIBRATION REF/EFF dB(A)	: 94.0/93.8	CERTIFIED DATE	: 27/02/2025
SLM READING/ADJUST dB(A)	: 93.8/0.0	EXPIRE DATE	: 26/02/2026
CAL SHEET No.	: CAL-2505-0037-01		

TIME	EQUIVALENT SOUND PRESSURE LEVEL (dB(A))	
	26/05/2025	
00:00 - 01:00		
01:00 - 02:00		
02:00 - 03:00		
03:00 - 04:00		
04:00 - 05:00		
05:00 - 06:00		
06:00 - 07:00		
07:00 - 08:00		
08:00 - 09:00	82.1	
09:00 - 10:00	83.5	
10:00 - 11:00	82.3	
11:00 - 12:00	82.4	
12:00 - 13:00	82.0	
13:00 - 14:00	82.0	
14:00 - 15:00	82.2	
15:00 - 16:00	82.1	
16:00 - 17:00	82.0	
17:00 - 18:00	82.1	
18:00 - 19:00	82.7	
19:00 - 20:00	81.9	
20:00 - 21:00		
21:00 - 22:00		
22:00 - 23:00		
23:00 - 00:00		
Leq(12)	82.3	
Lmax	86.2	
Standard*	87 dB(A)	
Standard-Max	140 dB(A)	

Remark : \* Notification of Ministry of Industry, B.E.2546

  
(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

  
(Miss Sununta Sirawuttinanon)  
Technical Management Team



# Noise Monitoring Result : Working Noise

MTR-PTTGC5


LOCATION	: Reformer 1	REFERENCE NO.	: 225097-WK Ns-2505-0037
SLM MODEL	: SCARLET TECH ST-21D	MEASUREMENT DATE	: 26/05/2025
SERIAL No.	: 820727	SITE OPERATOR	: Miss Wiraya Patchimboon

CALIBRATOR MODEL	: Cirrus CR:515	SERIAL No.	: 94296
CALIBRATION REF/EFF dB(A)	: 94.0/93.8	CERTIFIED DATE	: 27/02/2025
SLM READING/ADJUST dB(A)	: 93.8/0.0	EXPIRE DATE	: 26/02/2026
CAL SHEET No.	: CAL-2505-0037-01		

TIME	EQUIVALENT SOUND PRESSURE LEVEL (dB(A))	
	26/05/2025	
00:00 - 01:00		
01:00 - 02:00		
02:00 - 03:00		
03:00 - 04:00		
04:00 - 05:00		
05:00 - 06:00		
06:00 - 07:00		
07:00 - 08:00		
08:00 - 09:00	80.3	
09:00 - 10:00	80.1	
10:00 - 11:00	79.7	
11:00 - 12:00	80.2	
12:00 - 13:00	80.0	
13:00 - 14:00	80.0	
14:00 - 15:00	80.3	
15:00 - 16:00	80.5	
16:00 - 17:00	80.5	
17:00 - 18:00	80.5	
18:00 - 19:00	80.5	
19:00 - 20:00	80.5	
20:00 - 21:00		
21:00 - 22:00		
22:00 - 23:00		
23:00 - 00:00		
Leq(12)	80.3	
Lmax	82.6	
Standard*	87 dB(A)	
Standard-Max	140 dB(A)	

Remark : \* Notification of Ministry of Industry, B.E.2546

  
(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

  
(Miss Sununta Sirawuttinanon)  
Technical Management Team

## ภาคผนวก ง.7

ใบรับรองผลการตรวจวัดโลหะหนัก  
ในกากตะกอนจากระบบบำบัดน้ำเสีย



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239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND  
TEL. (662) 959-3600 FAX (662) 959-3535 Website: secot.co.th E-mail: envserv@secot.co.th

SLUDGE SAMPLES ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0392/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab Samplers  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 14:53  
SAMPLING DATE : 05/03/2025 ANALYTICAL DATE : 07-14/03/2025  
RECEIVED DATE : 06/03/2025 SITE OPERATOR : Mr.Chanapon Oakkharaplon  
REPORT DATE : 15/03/2025 FILE CODE : 225097\_Sludge\_March  
SAMPLE CONDITION : Normal

PARAMETER		UNITS	ANALYSIS	ND	SAMPLING LOCATION	STANDARD
			METHODS	(non-detectable)	ภาคตะกอนจากระบบบำบัดน้ำเสีย(ETP)	
Mercury (Hg)	TTL	mg/kg	7471 B	< 0.05	132	-
	STLC	mg/l	7470 A	< 0.0005	ND	-

Reference method: Test Methods of Evaluating Solid Waste - Physical/Chemical Methods SW-846, 3<sup>rd</sup> edition, US EPA 2020.

Ministry of Industry Disposal of waste or unused materials B.E.2548 (2005).

(Miss Khemchuda Insorn)

Analyst

REG. NO. 2-239-ก-0005

( Mrs. Araya Tipparuk )

Technical Management Team

REG. NO. 2-239-ก-0004

Remark : 1. Reported analysis refers to submitted sample only.

- This report shall not be reproduce, except in full, without official approval.
- TTL = Total Threshold Limit Concentration (mg/kg) , STLC = Soluble Threshold Limit Concentration (mg/l).
- Not available.



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TEL. (662) 959-3600 FAX (662) 959-3535 Website: secot.co.th E-mail: envserv@secot.co.th

SLUDGE SAMPLES ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0392/68  
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab Samplers  
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 14:55  
SAMPLING DATE : 05/03/2025 ANALYTICAL DATE : 07-14/03/2025  
RECEIVED DATE : 06/03/2025 SITE OPERATOR : Mr.Chanapon Oakkharaplon  
REPORT DATE : 15/03/2025 FILE CODE : 225097\_Sludge\_March  
SAMPLE CONDITION : Normal

PARAMETER	UNITS		ANALYSIS METHODS	ND (non-detectable)	SAMPLING LOCATION		STANDARD
					ภาคตะกอนจากระบบบำบัดน้ำเสีย		
					จากหน่วย Desalter		
Mercury (Hg)	TTL	mg/kg	7471 B	< 0.05	522		-
	STLC	mg/l	7470 A	< 0.0005	0.0012		-

Reference method: Test Methods of Evaluating Solid Waste - Physical/Chemical Methods SW-846, 3<sup>rd</sup> edition, US EPA 2020.

Ministry of Industry Disposal of waste or unused materials B.E.2548 (2005).

(Miss Khemchuda Insorn)

Analyst

REG. NO. 2-239-ก-0005

( Mrs. Araya Tipparuk )

Technical Management Team

REG. NO. 2-239-ก-0004

Remark : 1. Reported analysis refers to submitted sample only.

- This report shall not be reproduce, except in full, without official approval.
- TTL = Total Threshold Limit Concentration (mg/kg) , STLC = Soluble Threshold Limit Concentration (mg/l).
- Not available.

ภาคผนวก ง.8

ใบรับรองผลการตรวจวัดคุณภาพอากาศภายในสถานประกอบการ

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แบบติดตั้งกับพื้นที่



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239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND  
TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

ANALYSIS/TEST REPORT

Customer	: RND/SECOT Co., Ltd.	Request Service No.	: 0254/68
For	: PTT Global Chemical Public Co., Ltd ( Branch 5 : Aromatics 2 Plant)	Sampling Date	: 05-06/02/2025
Address	: 96/9 Rayong Highway Road 3191, RIL Industrial Estate, Map Ta Phut, Muang Rayong, Rayong 21150	Received Date	: 11/02/2025
		Test Date	: 14/02/2025
Tel/Fax	: +66(0) 3897-3000/+66(0) 3897-3353	Report Date	: 19/02/2025

SAMPLE DESCRIPTION / SAMPLING INFORMATION

Sample Designated As	: Workplace Air	Sampling Method	: Sorbent Adsorption
Sampling By	: SECOT Co., Ltd.	Sample Condition	: Normal

Sampling Location	Sampling Date/Time	Compound	Analytical Method	ND	RESULT	STANDARD
				ppm	ppm	ppm
Reformer 1	05/02/2025 09:00-13:00	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
		Toluene	NIOSH 1501/GC FID	< 0.02	ND	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	ND	100
Aromatics 1	05/02/2025 09:10-13:10	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
		Toluene	NIOSH 1501/GC FID	< 0.02	ND	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	ND	100
Utility Area	05/02/2025 09:25-13:25	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
		Toluene	NIOSH 1501/GC FID	< 0.02	ND	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	ND	100
Laboratory Area	06/02/2025 08:30-14:30	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
		Toluene	NIOSH 1501/GC FID	< 0.02	ND	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	ND	100

Analyst By : Sudaporn S.  
( Miss Sudaporn Soonthorn )

Approved By : Maia Poowasanetch  
( Miss Narisa Poowasanetch )  
Technical Management Team

Remark : 1. Reported analysis refers to submitted sample only.

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3. Notification of the Department of Labour Protection and Welfare, B.E.2560 (2017).
4. ND = non-detectable.



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239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND  
TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

ANALYSIS/TEST REPORT

Customer	: RND/SECOT Co., Ltd.	Request Service No.	: 0254/68
For	: PTT Global Chemical Public Co., Ltd ( Branch 5 : Aromatics 2 Plant)	Sampling Date	: 06/02/2025
Address	: 96/9 Rayong Highway Road 3191, RIL Industrial Estate, Map Ta Phut, Muang Rayong, Rayong 21150	Received Date	: 11/02/2025
		Test Date	: 14/02/2025
Tel/Fax	: +66(0) 3897-3000/+66(0) 3897-3353	Report Date	: 19/02/2025

SAMPLE DESCRIPTION / SAMPLING INFORMATION

Sample Designated As	: Workplace Air	Sampling Method	: Sorbent Adsorption
Sampling By	: SECOT Co., Ltd.	Sample Condition	: Normal

Sampling Location	Sampling Date/Time	Compound	Analytical Method	ND	RESULT	STANDARD
				ppm	ppm	ppm
Tank Farm	06/02/2025 09:00-14:00	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
		Toluene	NIOSH 1501/GC FID	< 0.02	ND	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	ND	100

Analyst By : Sudaporn S.  
( Miss Sudaporn Soonthorn )

Approved By : Maia Poowasanetch  
( Miss Narisa Poowasanetch )  
Technical Management Team

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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

**ANALYSIS/TEST REPORT**

<b>Customer</b>	: RND/SECOT Co., Ltd.	<b>Request Service No.</b>	: 0254/68
<b>For</b>	: PTT Global Chemical Public Co., Ltd ( Branch 5 : Aromatics 2 Plant)	<b>Sampling Date</b>	: 06/02/2025
<b>Address</b>	: 96/9 Rayong Highway Road 3191, RIL Industrial Estate, Map Ta Phut, Muang Rayong, Rayong 21150	<b>Received Date</b>	: 11/02/2025
<b>Tel/Fax</b>	: +66(0) 3897-3000/+66(0) 3897-3353	<b>Test Date</b>	: 15/02/2025
		<b>Report Date</b>	: 19/02/2025

**SAMPLE DESCRIPTION / SAMPLING INFORMATION**

<b>Sample Designated As</b>	: Workplace Air	<b>Sampling Method</b>	: Sampling Bag
<b>Sampling By</b>	: SECOT Co., Ltd.	<b>Sample Condition</b>	: Normal

Sampling Location	Sampling Date/Time	Compound	Analytical Method	ND	RESULT	STANDARD
				ppm	ppm	ppm
Tank Farm	06/02/2025 09:00-09:15	NMHC	THC Analyzer / FID	< 0.05	0.08	-

Analyst By : Sudaporn S.  
( Miss Sudaporn Soonthorn )

Approved By : Main Poowasanpetch  
( Miss Narisa Poowasanpetch )  
Technical Management Team

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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

**ANALYSIS/TEST REPORT**

<b>Customer</b>	: RND/SECOT Co., Ltd.	<b>Request Service No.</b>	: 0987/68
<b>For</b>	: PTT Global Chemical Public Co., Ltd ( Branch 5 : Aromatics 2 Plant)	<b>Sampling Date</b>	: 26-27/05/2025
<b>Address</b>	: 96/9 Rayong Highway Road 3191, RIL Industrial Estate, Map Ta Phut, Muang Rayong, Rayong 21150	<b>Received Date</b>	: 30/05/2025
<b>Tel/Fax</b>	: +66(0) 3897-3000/+66(0) 3897-3353	<b>Test Date</b>	: 04/06/2025
		<b>Report Date</b>	: 13/06/2025

**SAMPLE DESCRIPTION / SAMPLING INFORMATION**

<b>Sample Designated As</b>	: Workplace Air	<b>Sampling Method</b>	: Sorbent Adsorption
<b>Sampling By</b>	: SECOT Co., Ltd.	<b>Sample Condition</b>	: Normal

Sampling Location	Sampling Date/Time	Compound	Analytical Method	ND	RESULT	STANDARD
				ppm	ppm	ppm
Reformer 1	26/05/2025 09:14-13:14	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
		Toluene	NIOSH 1501/GC FID	< 0.02	ND	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	ND	100
Aromatics 1	26/05/2025 09:08-13:08	Benzene	NIOSH 1501/GC FID	< 0.02	0.16	1
		Toluene	NIOSH 1501/GC FID	< 0.02	0.23	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	0.07	100
Utility Area	26/05/2025 09:01-13:01	Toluene	NIOSH 1501/GC FID	< 0.02	4.53	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	1.36	100
Laboratory Area	27/05/2025 08:45-12:45	Toluene	NIOSH 1501/GC FID	< 0.02	0.75	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	1.11	100

Analyst By : Sudaporn S.  
( Miss Sudaporn Soonthorn )

Approved By : Main Poowasanpetch  
( Miss Narisa Poowasanpetch )  
Technical Management Team

**Remark** : 1. Reported analysis refers to submitted sample only.

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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

ANALYSIS/TEST REPORT

Customer	: RND/SECOT Co., Ltd.	Request Service No.	: 1200/68
For	: PTT Global Chemical Public Co., Ltd ( Branch 5 : Aromatics 2 Plant)	Sampling Date	: 30/06/2025
Address	: 96/9 Rayong Highway Road 3191, RIL Industrial Estate, Map Ta Phut, Muang Rayong, Rayong 21150	Received Date	: 01/07/2025
		Test Date	: 02/07/2025
Tel/Fax	: +66(0) 3897-3000/+66(0) 3897-3353	Report Date	: 05/07/2025

SAMPLE DESCRIPTION / SAMPLING INFORMATION

Sample Designated As	: Workplace Air	Sampling Method	: Sorbent Adsorption
Sampling By	: SECOT Co., Ltd.	Sample Condition	: Normal

Sampling Location	Sampling Date/Time	Compound	Analytical Method	ND	RESULT	STANDARD
				ppm	ppm	ppm
Laboratory Area	30/06/2025	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
	13:40-17:40					
Utility Area	30/06/2025	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
	13:30-17:30					



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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

ANALYSIS/TEST REPORT

Customer	: RND/SECOT Co., Ltd.	Request Service No.	: 0987/68
For	: PTT Global Chemical Public Co., Ltd ( Branch 5 : Aromatics 2 Plant)	Sampling Date	: 27/05/2025
Address	: 96/9 Rayong Highway Road 3191, RIL Industrial Estate, Map Ta Phut, Muang Rayong, Rayong 21150	Received Date	: 30/05/2025
		Test Date	: 04/06/2025
Tel/Fax	: +66(0) 3897-3000/+66(0) 3897-3353	Report Date	: 13/06/2025

SAMPLE DESCRIPTION / SAMPLING INFORMATION

Sample Designated As	: Workplace Air	Sampling Method	: Sorbent Adsorption
Sampling By	: SECOT Co., Ltd.	Sample Condition	: Normal

Sampling Location	Sampling Date/Time	Compound	Analytical Method	ND	RESULT	STANDARD
				ppm	ppm	ppm
Tank Farm	27/05/2025 12:20-16:20	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
		Toluene	NIOSH 1501/GC FID	< 0.02	ND	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	ND	100

Analyst By : Sudaporn S.  
( Miss Sudaporn Soonthorn )

Approved By : Naisha Poowasanetch  
( Miss Narisa Poowasanetch )  
Technical Management Team

Analyst By : Sudaporn S.  
( Miss Sudaporn Soonthorn )

Approved By : Naisha Poowasanetch  
( Miss Narisa Poowasanetch )  
Technical Management Team

Remark : 1. Reported analysis refers to submitted sample only.  
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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

ANALYSIS/TEST REPORT

Customer	: RND/SECOT Co., Ltd.	Request Service No.	: 0987/68
For	: PTT Global Chemical Public Co., Ltd ( Branch 5 : Aromatics 2 Plant)	Sampling Date	: 27/05/2025
Address	: 96/9 Rayong Highway Road 3191, RIL Industrial Estate, Map Ta Phut, Muang Rayong, Rayong 21150	Received Date	: 30/05/2025
		Test Date	: 07/06/2025
Tel/Fax	: +66(0) 3897-3000/+66(0) 3897-3353	Report Date	: 13/06/2025

SAMPLE DESCRIPTION / SAMPLING INFORMATION

Sample Designated As	: Workplace Air	Sampling Method	: Sampling Bag
Sampling By	: SECOT Co., Ltd.	Sample Condition	: Normal

Sampling Location	Sampling Date/Time	Compound	Analytical Method	ND	RESULT	STANDARD
				ppm	ppm	ppm
Tank Farm	27/05/2025 12:20-12:35	NMHC	THC Analyzer / FID	< 0.05	1.85	-

Analyst By : Sudaporn S.  
( Miss Sudaporn Soonthorn )

Approved By : Narisa Poowasanpetch  
( Miss Narisa Poowasanpetch )  
Technical Management Team

- Remark : 1. Reported analysis refers to submitted sample only.
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3. ND = non-detectable.
4. - No Standard.

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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

ANALYSIS/TEST REPORT

Customer	: RND/SECOT Co., Ltd.	Request Service No.	: 0255/68
For	: PTT Global Chemical Public Co.,Ltd. (Branch 5 : Aromatics 2 Plant)	Sampling Date	: 05-06/02/2025
Address	: 98/9 Rayong Highway Road 3191 , RIL Industrial Estate , Map Ta Phut , Muang Rayong , Rayong 21150 Thailand	Received Date	: 11/02/2025
Tel/Fax	: 0-3899-4000 / 0-3899-4111	Test Date	: 14/02/2025
		Report Date	: 20/02/2025

SAMPLE DESCRIPTION / SAMPLING INFORMATION

Sample Designated As	: Workplace Air	Sampling Method	: Passive Diffusion
Sampling By	: SECOT Co., Ltd.	Sample Condition	: Normal

Sampling Location	Sampling Date/Time	Compound	Analytical Method	ND	RESULT	STANDARD
				ppm	ppm	ppm
ID. 26006346	05/02/2025	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Reformer 1	09:10-14:10	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
		Benzene	OSHA 1005/GC FID	< 0.04	ND	1
ID. 26005280	05/02/2025	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Aromatic 1	10:00-15:00	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
		Benzene	OSHA 1005/GC FID	< 0.04	ND	1
ID. 26001157	05/02/2025	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area :Utility Field Operator	09:50-14:50	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
		Benzene	OSHA 1005/GC FID	< 0.04	ND	1
ID. 26002350	06/02/2025	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Laboratory Technician	08:30-13:30	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
		Benzene	OSHA 1005/GC FID	< 0.04	ND	1
ID. 26002859	06/02/2025	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Tank Fram	09:00-14:00	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100

Analyst By :

Sudaporn S.

( Miss Sudaporn Soonthorn )

Approved By :

Miss Narisa Poowasanetch

( Miss Narisa Poowasanetch )

Technical Management Team

Remark : 1. Reported analysis refers to submitted sample only.

2. This report shall not be reproduced, except in full, without official approval.
3. Notification of the Department of Labour Protection and Welfare. B.E.2560 (2017).
4. ND = non-detectable.



บริษัท ซีคอต จำกัด  
SECOT CO., LTD.

239 ถนนริมคลองประปา แขวงบางซื่อ เขตบางซื่อ กรุงเทพมหานคร 10800  
239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND

TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

ANALYSIS/TEST REPORT

Customer	: RND/SECOT Co., Ltd.	Request Service No.	: 0988/68
For	: PTT Global Chemical Public Co.,Ltd. (Branch 5 : Aromatics 2 Plant)	Sampling Date	: 26-27/05/2025
Address	: 98/9 Rayong Highway Road 3191 , RIL Industrial Estate , Map Ta Phut , Muang Rayong , Rayong 21150 Thailand	Received Date	: 30/05/2025
Tel/Fax	: 0-3899-4000 / 0-3899-4111	Test Date	: 06/06/2025
		Report Date	: 13/06/2025

SAMPLE DESCRIPTION / SAMPLING INFORMATION

Sample Designated As	: Workplace Air	Sampling Method	: Passive Diffusion
Sampling By	: SECOT Co., Ltd.	Sample Condition	: Normal

Sampling Location	Sampling Date/Time	Compound	Analytical Method	ND	RESULT	STANDARD
				ppm	ppm	ppm
ID. 26006176	26/05/2025	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Reformer 1	08:08-12:08	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
		Benzene	OSHA 1005/GC FID	< 0.04	ND	1
ID. 26002460	26/05/2025	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Aromatic 1	08:24-12:24	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
		Benzene	OSHA 1005/GC FID	< 0.04	ND	1
ID. 26006775	26/05/2025	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area :Utility Field Operator	08:28-12:28	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
		Benzene	OSHA 1005/GC FID	< 0.04	ND	1
ID. 26001487	27/05/2025	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Laboratory Technician	08:45-12:45	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
		Benzene	OSHA 1005/GC FID	< 0.04	ND	1
ID. 26004878	27/05/2025	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Tank Farm	12:40-16:40	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100

Analyst By :

Sudaporn S.

( Miss Sudaporn Soonthorn )

Approved By :

Miss Narisa Poowasanetch

( Miss Narisa Poowasanetch )

Technical Management Team

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4. ND = non-detectable.

## ภาคผนวก ง.9

### ใบรับรองผลการตรวจวัดระดับเสียงภายในสถานประกอบการ



# Noise Monitoring Result : Working Noise

MTR-PTTGC5


LOCATION	: Aromatics 1	REFERENCE NO. :	225097-WK Ns-2505-0037
SLM MODEL	: SCARLET TECH ST-21D	MEASUREMENT DATE :	26/05/2025
SERIAL No.	: 820728	SITE OPERATOR :	Miss Wiraya Patchimboon

CALIBRATOR MODEL	: Cirrus CR:515	SERIAL No. :	94296
CALIBRATION REF/EFF dB(A)	: 94.0/93.8	CERTIFIED DATE :	27/02/2025
SLM READING/ADJUST dB(A)	: 93.8/0.0	EXPIRE DATE :	26/02/2026
CAL SHEET No.	: CAL-2505-0037-01		

TIME	EQUIVALENT SOUND PRESSURE LEVEL (dB(A))	
	26/05/2025	
00:00 - 01:00		
01:00 - 02:00		
02:00 - 03:00		
03:00 - 04:00		
04:00 - 05:00		
05:00 - 06:00		
06:00 - 07:00		
07:00 - 08:00		
08:00 - 09:00	82.1	
09:00 - 10:00	83.5	
10:00 - 11:00	82.3	
11:00 - 12:00	82.4	
12:00 - 13:00	82.0	
13:00 - 14:00	82.0	
14:00 - 15:00	82.2	
15:00 - 16:00	82.1	
16:00 - 17:00	82.0	
17:00 - 18:00	82.1	
18:00 - 19:00	82.7	
19:00 - 20:00	81.9	
20:00 - 21:00		
21:00 - 22:00		
22:00 - 23:00		
23:00 - 00:00		
Leq(12)	82.3	
Lmax	86.2	
Standard*	87 dB(A)	
Standard-Max	140 dB(A)	

Remark : \* Notification of Ministry of Industry, B.E.2546

  
(Miss Katesarin Vorradevitayaya)  
Environmental Scientist

  
(Miss Sununta Sirawuttinanon)  
Technical Management Team



# Noise Monitoring Result : Working Noise

MTR-PTTGC5


LOCATION	: Aromatics 2	REFERENCE NO. :	225097-WK Ns-2505-0037
SLM MODEL	: SCARLET TECH ST-21D	MEASUREMENT DATE :	26/05/2025
SERIAL No.	: 820724	SITE OPERATOR :	Miss Wiraya Patchimboon

CALIBRATOR MODEL	: Cirrus CR:515	SERIAL No. :	94296
CALIBRATION REF/EFF dB(A)	: 94.0/93.8	CERTIFIED DATE :	27/02/2025
SLM READING/ADJUST dB(A)	: 93.8/0.0	EXPIRE DATE :	26/02/2026
CAL SHEET No.	: CAL-2505-0037-01		

TIME	EQUIVALENT SOUND PRESSURE LEVEL (dB(A))	
	26/05/2025	
00:00 - 01:00		
01:00 - 02:00		
02:00 - 03:00		
03:00 - 04:00		
04:00 - 05:00		
05:00 - 06:00		
06:00 - 07:00		
07:00 - 08:00		
08:00 - 09:00	84.0	
09:00 - 10:00	84.6	
10:00 - 11:00	84.2	
11:00 - 12:00	84.5	
12:00 - 13:00	84.2	
13:00 - 14:00	84.5	
14:00 - 15:00	84.6	
15:00 - 16:00	84.5	
16:00 - 17:00	84.4	
17:00 - 18:00	84.1	
18:00 - 19:00	84.1	
19:00 - 20:00	84.3	
20:00 - 21:00		
21:00 - 22:00		
22:00 - 23:00		
23:00 - 00:00		
Leq(12)	84.3	
Lmax	89.3	
Standard*	87 dB(A)	
Standard-Max	140 dB(A)	

Remark : \* Notification of Ministry of Industry, B.E.2546

  
(Miss Katesarin Vorradevitayaya)  
Environmental Scientist

  
(Miss Sununta Sirawuttinanon)  
Technical Management Team



# Noise Monitoring Result : Working Noise

MTR-PTTGC5


LOCATION	: Aromatics 3	REFERENCE NO.	: 225097-WK Ns-2505-0037
SLM MODEL	: SCARLET TECH ST-21D	MEASUREMENT DATE	: 26/05/2025
SERIAL No.	: 820723	SITE OPERATOR	: Miss Wiraya Patchimboon

CALIBRATOR MODEL	: Cirrus CR:515	SERIAL No.	: 94296
CALIBRATION REF/EFF dB(A)	: 94.0/93.8	CERTIFIED DATE	: 27/02/2025
SLM READING/ADJUST dB(A)	: 93.8/0.0	EXPIRE DATE	: 26/02/2026
CAL SHEET No.	: CAL-2505-0037-01		

TIME	EQUIVALENT SOUND PRESSURE LEVEL (dB(A))
	26/05/2025
00:00 - 01:00	
01:00 - 02:00	
02:00 - 03:00	
03:00 - 04:00	
04:00 - 05:00	
05:00 - 06:00	
06:00 - 07:00	
07:00 - 08:00	
08:00 - 09:00	84.5
09:00 - 10:00	84.7
10:00 - 11:00	84.5
11:00 - 12:00	84.5
12:00 - 13:00	84.6
13:00 - 14:00	84.6
14:00 - 15:00	84.4
15:00 - 16:00	84.5
16:00 - 17:00	84.5
17:00 - 18:00	84.4
18:00 - 19:00	84.4
19:00 - 20:00	84.6
20:00 - 21:00	
21:00 - 22:00	
22:00 - 23:00	
23:00 - 00:00	
Leq(12)	84.5
Lmax	87.9
Standard*	87 dB(A)
Standard-Max	140 dB(A)

Remark : \* Notification of Ministry of Industry, B.E.2546

  
(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

  
(Miss Sununta Sirawuttinanon)  
Technical Management Team



# Noise Monitoring Result : Working Noise

MTR-PTTGC5


LOCATION	: Reformer 1	REFERENCE NO.	: 225097-WK Ns-2505-0037
SLM MODEL	: SCARLET TECH ST-21D	MEASUREMENT DATE	: 26/05/2025
SERIAL No.	: 820727	SITE OPERATOR	: Miss Wiraya Patchimboon

CALIBRATOR MODEL	: Cirrus CR:515	SERIAL No.	: 94296
CALIBRATION REF/EFF dB(A)	: 94.0/93.8	CERTIFIED DATE	: 27/02/2025
SLM READING/ADJUST dB(A)	: 93.8/0.0	EXPIRE DATE	: 26/02/2026
CAL SHEET No.	: CAL-2505-0037-01		

TIME	EQUIVALENT SOUND PRESSURE LEVEL (dB(A))
	26/05/2025
00:00 - 01:00	
01:00 - 02:00	
02:00 - 03:00	
03:00 - 04:00	
04:00 - 05:00	
05:00 - 06:00	
06:00 - 07:00	
07:00 - 08:00	
08:00 - 09:00	80.3
09:00 - 10:00	80.1
10:00 - 11:00	79.7
11:00 - 12:00	80.2
12:00 - 13:00	80.0
13:00 - 14:00	80.0
14:00 - 15:00	80.3
15:00 - 16:00	80.5
16:00 - 17:00	80.5
17:00 - 18:00	80.5
18:00 - 19:00	80.5
19:00 - 20:00	80.5
20:00 - 21:00	
21:00 - 22:00	
22:00 - 23:00	
23:00 - 00:00	
Leq(12)	80.3
Lmax	82.6
Standard*	87 dB(A)
Standard-Max	140 dB(A)

Remark : \* Notification of Ministry of Industry, B.E.2546

  
(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

  
(Miss Sununta Sirawuttinanon)  
Technical Management Team



# Noise Monitoring Result : Working Noise

MTR-PTTGC5

LOCATION	: Reformer 3	REFERENCE NO.	: 225097-WK Ns-2505-0037
SLM MODEL	: SCARLET TECH ST-21D	MEASUREMENT DATE	: 26/05/2025
SERIAL No.	: 820726	SITE OPERATOR	: Miss Wiraya Patchimboon

CALIBRATOR MODEL	: Cirrus CR:515	SERIAL No.	: 94296
CALIBRATION REF/EFF dB(A)	: 94.0/93.8	CERTIFIED DATE	: 27/02/2025
SLM READING/ADJUST dB(A)	: 93.8/0.0	EXPIRE DATE	: 26/02/2026
CAL SHEET No.	: CAL-2505-0037-01		

TIME	EQUIVALENT SOUND PRESSURE LEVEL (dB(A))	
	26/05/2025	
00:00 - 01:00		
01:00 - 02:00		
02:00 - 03:00		
03:00 - 04:00		
04:00 - 05:00		
05:00 - 06:00		
06:00 - 07:00		
07:00 - 08:00		
08:00 - 09:00	84.6	
09:00 - 10:00	84.5	
10:00 - 11:00	84.7	
11:00 - 12:00	84.5	
12:00 - 13:00	84.5	
13:00 - 14:00	84.7	
14:00 - 15:00	84.7	
15:00 - 16:00	84.8	
16:00 - 17:00	84.9	
17:00 - 18:00	84.5	
18:00 - 19:00	84.5	
19:00 - 20:00	84.4	
20:00 - 21:00		
21:00 - 22:00		
22:00 - 23:00		
23:00 - 00:00		
Leq(12)	84.6	
Lmax	98.6	
Standard*	87 dB(A)	
Standard-Max	140 dB(A)	

Remark : \* Notification of Ministry of Industry, B.E.2546

  
(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

  
(Miss Sununta Sirawuttinanon)  
Technical Management Team



# Noise Monitoring Result : Working Noise

MTR-PTTGC5


LOCATION	: Utility	REFERENCE NO.	: 225097-WK Ns-2505-0037
SLM MODEL	: SCARLET TECH ST-21D	MEASUREMENT DATE	: 26/05/2025
SERIAL No.	: 820729	SITE OPERATOR	: Miss Wiraya Patchimboon

CALIBRATOR MODEL	: Cirrus CR:515	SERIAL No.	: 94296
CALIBRATION REF/EFF dB(A)	: 94.0/93.8	CERTIFIED DATE	: 27/02/2025
SLM READING/ADJUST dB(A)	: 93.8/0.0	EXPIRE DATE	: 26/02/2026
CAL SHEET No.	: CAL-2505-0037-01		

TIME	EQUIVALENT SOUND PRESSURE LEVEL (dB(A))	
	26/05/2025	
00:00 - 01:00		
01:00 - 02:00		
02:00 - 03:00		
03:00 - 04:00		
04:00 - 05:00		
05:00 - 06:00		
06:00 - 07:00		
07:00 - 08:00		
08:00 - 09:00	83.7	
09:00 - 10:00	83.7	
10:00 - 11:00	83.8	
11:00 - 12:00	83.8	
12:00 - 13:00	84.0	
13:00 - 14:00	83.6	
14:00 - 15:00	83.9	
15:00 - 16:00	84.1	
16:00 - 17:00	83.9	
17:00 - 18:00	83.8	
18:00 - 19:00	84.1	
19:00 - 20:00	84.1	
20:00 - 21:00		
21:00 - 22:00		
22:00 - 23:00		
23:00 - 00:00		
Leq(12)	83.9	
Lmax	86.0	
Standard*	87 dB(A)	
Standard-Max	140 dB(A)	

Remark : \* Notification of Ministry of Industry, B.E.2546

  
(Miss Katesarin Vorradetwittaya)  
Environmental Scientist

  
(Miss Sununta Sirawuttinanon)  
Technical Management Team



ภาคผนวก ง.10

ใบรับรองผลการตรวจวัดปริมาณเสียงสะสมที่ตัวพนักงาน



บริษัท ซีคอต จำกัด

SECOT CO., LTD.

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### NOISE MEASUREMENT REPORT : NOISE DOSE

CLIENT NAME	: PTT Global Chemical Public Co., Ltd. (Branch 5 : Aromatics 2 Plant)	REFERENCE NO.	: 225025-ND-2505-0036
MEASUREMENT BY	: SECOT Co., Ltd.	INSTRUMENT	: Noise Dosimeter
MEASUREMENT DATE	: 26/05/2025	CALIBRATOR TYPE	: Cirrus RC:110A
MEASUREMENT LOCATION	: PTTGC5	SERIAL NO.	: 95167
SITE OPERATOR	: Miss Wiraya Patchimboon	CALIBRATOR REF.	: 114 dB @ 1kHz

OPERATOR ID	AREA/PLANT	TIME	SOUND PRESSURE LEVEL (dB(A))		
			%DOSE	TWA (12-hr)	STANDARD *
ID:26002460	Aromatics 1	08:24-19:00	12.0	74.0	83.0
ID:26002182	Aromatics 2	08:23-19:00	31.1	78.1	83.0
ID:26001465	Aromatics 3	08:35-19:00	26.6	77.5	83.0
ID:26006176	Reformer 1	08:08-19:00	27.0	77.5	83.0
ID:26001264	Reformer 3	08:08-19:00	57.8	80.8	83.0
ID:26002426	Utility	08:25-19:00	12.8	74.3	83.0

(Miss Katesarin Vorradetwittaya)

Environmental Scientist

(Miss Sununta Sirawuttinanon)

Technical Management Team

- Remark :**
1. Reported analysis refers to submitted sample only.
  2. This report shall not be reproduced, except in full, without official approval.
  - 3.\* Notification of Department of Labour Protection and Welfare B.E.2561 (2018).
  4. TWA means Time Weighted Average.