

ภาคผนวก ง

ใบรับรองผลการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม
ระหว่างเดือนมกราคม ถึงมิถุนายน พ.ศ.2566

ภาคผนวก ง.1

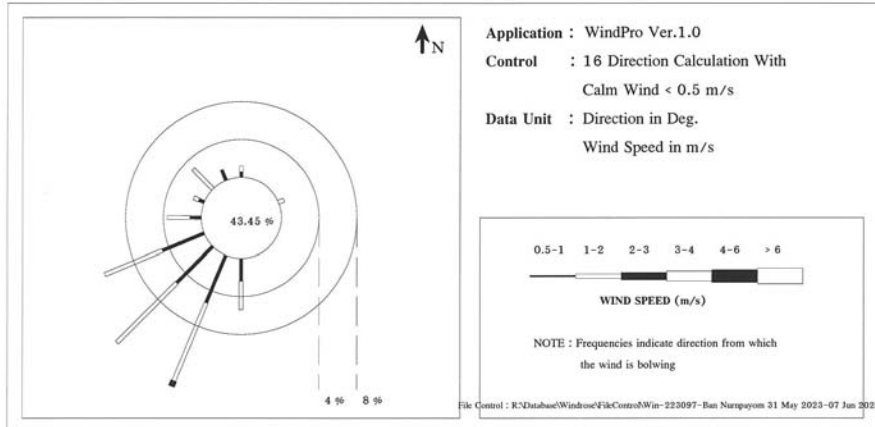
ใบรับรองผลการตรวจวัดคุณภาพอากาศในบรรยากาศ



Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Nurmpayom Monitor period : 31 May 2023-07 Jun 2023
Wind Speed Model : NRG Symphonie Serial No : 10693
Wind Direction Model : NRG Symphonie Serial No : 10693

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	0.0060	0.0060	0.0000	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	0.0000	0.0060	0.0000	0.0000	0.0000	0.0000	0.0060
E	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ESE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SSE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
S	0.0238	0.0298	0.0000	0.0000	0.0000	0.0000	0.0536
SSW	0.0536	0.0893	0.0060	0.0000	0.0000	0.0000	0.1488
SW	0.0536	0.0893	0.0000	0.0000	0.0000	0.0000	0.1429
WSW	0.0476	0.0655	0.0000	0.0000	0.0000	0.0000	0.1131
W	0.0119	0.0238	0.0000	0.0000	0.0000	0.0000	0.0357
WNW	0.0060	0.0060	0.0000	0.0000	0.0000	0.0000	0.0119
NW	0.0000	0.0298	0.0000	0.0000	0.0000	0.0000	0.0298
NNW	0.0119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0119
CALM	0.4345						



(Miss Katesarin Vorradetwittaya)
Environmental Scientist

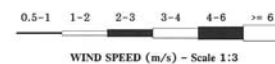
(Miss Preeda Somjai)
Technical Management Team



Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Nurmpayom Monitor period : 31 May 2023-07 Jun 2023
Wind Speed Model : NRG Symphonie Serial No : 10693
Wind Direction Model : NRG Symphonie Serial No : 10693

Time	May 31-Jun 01, 2023		01-02 Jun 2023		02-03 Jun 2023		03-04 Jun 2023	
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD
14:00 - 15:00	1.4	S	0.9	WNW	1.1	WSW	1.8	SW
15:00 - 16:00	0.9	WSW	0.9	SW	1.2	SSW	1.8	SW
16:00 - 17:00	1.4	SSW	1.9	SW	1.8	WSW	1.7	SSW
17:00 - 18:00	1.5	SSW	2.0	SSW	1.5	SSW	1.7	SW
18:00 - 19:00	1.5	WSW	1.4	S	1.2	W	1.1	SSW
19:00 - 20:00	0.6	WSW	1.3	SW	0.9	SSW	0.8	SSW
20:00 - 21:00	0.1	SE	1.0	SSW	0.4	WSW	0.3	WSW
21:00 - 22:00	0.3	S	0.3	S	0.5	WSW	0.1	S
22:00 - 23:00	0.2	ESE	0.3	SSE	0.3	S	0.4	SE
23:00 - 24:00	0.3	W	0.3	WSW	0.2	S	0.4	S
00:00 - 01:00	0.1	SSW	0.3	SSW	0.2	SW	0.2	SW
01:00 - 02:00	0.2	S	0.2	SSW	0.3	NNW	0.2	WSW
02:00 - 03:00	0.3	WSW	0.2	SW	0.3	ESE	0.3	W
03:00 - 04:00	0.1	WSW	0.2	ESE	0.1	SSE	0.2	SSE
04:00 - 05:00	0.1	SW	0.3	E	0.1	SW	0.3	WSW
05:00 - 06:00	0.2	E	0.3	SE	0.1	E	0.2	W
06:00 - 07:00	0.3	SSW	0.1	SW	0.6	WSW	0.5	S
07:00 - 08:00	0.6	SSW	0.6	WSW	1.1	SW	1.1	SSW
08:00 - 09:00	0.7	NNW	1.1	WSW	0.9	SW	1.1	SW
09:00 - 10:00	0.9	NNW	1.1	W	0.9	SW	0.9	SW
10:00 - 11:00	0.9	N	1.0	SW	1.2	SW	1.4	NW
11:00 - 12:00	1.1	WSW	1.2	WSW	1.2	SW	1.1	N
12:00 - 13:00	1.1	WSW	1.5	SSW	1.2	S	1.0	SW
13:00 - 14:00	1.0	NW	1.1	ENE	1.4	W	1.0	NW



(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Nurmpayom

Monitor period : 31 May 2023-07 Jun 2023

Wind Speed Model : NRG Symphonie

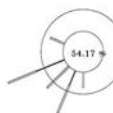
Serial No : 10693

Wind Direction Model : NRG Symphonie

Serial No : 10693

Time	04-05 Jun 2023		05-06 Jun 2023		06-07 Jun 2023		
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD	
14:00 - 15:00	1.9	SW	1.2	WNW	0.6	SSW	
15:00 - 16:00	1.9	W	1.0	SSW	0.9	S	
16:00 - 17:00	1.9	WSW	1.3	SSW	0.9	SW	
17:00 - 18:00	0.8	W	1.1	WSW	1.0	S	
18:00 - 19:00	0.9	SSW	0.8	WSW	0.7	WSW	
19:00 - 20:00	0.8	SSW	0.7	WSW	0.4	SW	
20:00 - 21:00	0.8	SW	0.2	W	0.2	W	
21:00 - 22:00	0.9	S	0.1	SSE	0.1	SW	
22:00 - 23:00	0.6	SW	0.2	SE	0.2	WSW	
23:00 - 24:00	0.2	SSE	0.2	E	0.4	W	
00:00 - 01:00	0.1	SW	0.3	SW	0.4	SW	
01:00 - 02:00	0.2	SSW	0.2	S	0.2	SW	
02:00 - 03:00	0.2	S	0.1	ESE	0.2	W	
03:00 - 04:00	0.3	SSW	0.2	WSW	0.2	SW	
04:00 - 05:00	0.1	WSW	0.2	WSW	0.1	S	
05:00 - 06:00	0.1	SE	0.2	SW	0.2	SSW	
06:00 - 07:00	0.6	S	0.6	SSW	0.4	S	
07:00 - 08:00	1.0	SSW	1.1	SW	1.2	WSW	
08:00 - 09:00	0.9	SW	1.8	WSW	1.0	SSW	
09:00 - 10:00	0.6	SSW	1.7	SW	1.2	SSW	
10:00 - 11:00	1.2	SSW	1.0	S	1.2	SW	
11:00 - 12:00	0.9	W	0.3	SSW	0.6	SSW	
12:00 - 13:00	1.1	NW	0.1	SSW	0.2	SSW	
13:00 - 14:00	1.2	NW	0.4	SW	0.6	SW	

Wind Rose



File Control : R:\Database\Windrose\FileControl\Win-223097-Ban Nurmpayom 31 May 2023-07 Jun 2023

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Bon

Monitor period : 31 May 2023-07 Jun 2023

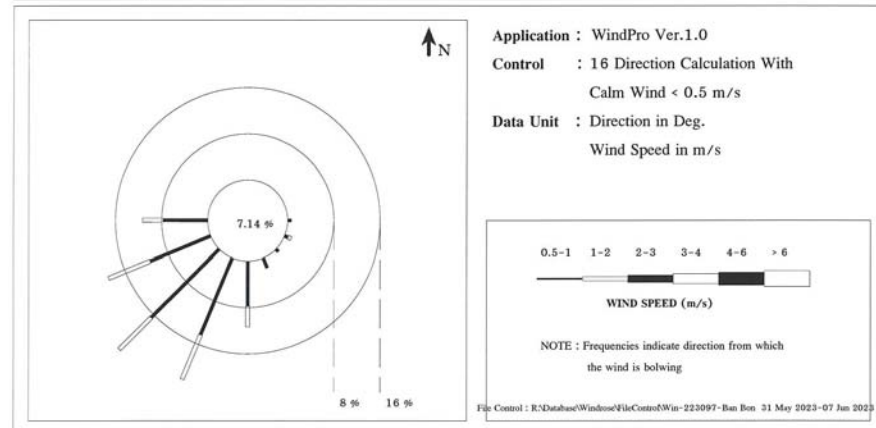
Wind Speed Model : NRG Symphonie

Serial No : 10851

Wind Direction Model : NRG Symphonie

Serial No : 10851

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
E	0.0060	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060
ESE	0.0060	0.0060	0.0000	0.0000	0.0000	0.0000	0.0119
SE	0.0060	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060
SSE	0.0179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0179
S	0.0774	0.0357	0.0000	0.0000	0.0000	0.0000	0.1131
SSW	0.1429	0.0833	0.0000	0.0000	0.0000	0.0000	0.2262
SW	0.1667	0.0774	0.0000	0.0000	0.0000	0.0000	0.2440
WSW	0.1131	0.0774	0.0000	0.0000	0.0000	0.0000	0.1905
W	0.0774	0.0357	0.0000	0.0000	0.0000	0.0000	0.1131
WNW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NNW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CALM	0.0714						



(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team

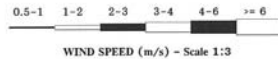
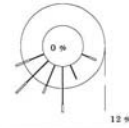
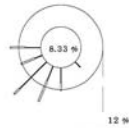
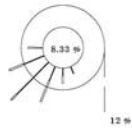


Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Bon Monitor period : 31 May 2023-07 Jun 2023
Wind Speed Model : NRG Symphonie Serial No : 10851
Wind Direction Model : NRG Symphonie Serial No : 10851

Time	May 31-Jun 01, 2023		01-02 Jun 2023		02-03 Jun 2023		03-04 Jun 2023	
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD
13:00 - 14:00	1.1	SSW	1.3	WSW	1.4	WSW	1.3	SW
14:00 - 15:00	0.9	SSW	1.0	W	1.3	SW	0.9	S
15:00 - 16:00	1.0	S	1.0	SSW	1.2	SW	1.0	ESE
16:00 - 17:00	0.6	SSW	1.1	WSW	0.9	W	0.9	S
17:00 - 18:00	0.5	SSE	0.8	SW	0.8	SW	0.7	S
18:00 - 19:00	0.5	S	0.8	SE	0.5	E	0.7	ESE
19:00 - 20:00	0.8	SW	0.8	SW	0.4	ESE	0.8	S
20:00 - 21:00	1.0	WSW	0.9	W	0.4	ESE	0.5	SSE
21:00 - 22:00	1.0	SSW	0.8	SSW	0.5	W	0.5	SSE
22:00 - 23:00	0.5	W	0.5	SW	0.9	SW	0.8	SSW
23:00 - 24:00	0.6	SW	0.6	SW	0.8	SW	0.8	SW
00:00 - 01:00	0.7	WSW	0.8	W	0.9	SSW	0.8	SSW
01:00 - 02:00	0.8	SW	0.6	S	0.6	W	0.9	WSW
02:00 - 03:00	0.6	WSW	0.8	SSW	0.5	SW	0.6	SW
03:00 - 04:00	0.5	SW	0.6	WSW	0.4	SSW	0.6	SW
04:00 - 05:00	0.7	SW	0.5	S	0.4	SSW	0.7	S
05:00 - 06:00	0.4	W	0.4	S	0.8	WSW	0.9	WSW
06:00 - 07:00	0.4	S	0.4	WSW	0.8	WSW	1.2	SSW
07:00 - 08:00	0.8	SW	0.9	SW	0.8	SSW	1.0	WSW
08:00 - 09:00	0.7	WSW	1.1	SSW	1.0	WSW	1.1	SW
09:00 - 10:00	1.0	WSW	1.2	SW	0.9	S	0.9	SW
10:00 - 11:00	1.2	SW	1.2	SSW	1.2	SW	1.3	S
11:00 - 12:00	1.4	SSW	1.3	S	0.8	WSW	0.9	SSW
12:00 - 13:00	1.2	W	1.3	W	1.1	S	1.0	WSW

Wind Rose



File Control :R:\Database\Windrose\FileControl\Win-223097-Ban Bon 31 May 2023-07 Jun 2023

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team

SECOT CO.,LTD

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Bangkok, Bangkok 10600
Tel:166(0)2959-3600 Fax:166(0)2959-3535

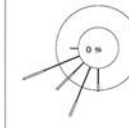
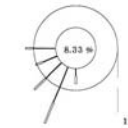
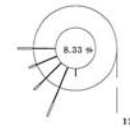


Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Bon Monitor period : 31 May 2023-07 Jun 2023
Wind Speed Model : NRG Symphonie Serial No : 10851
Wind Direction Model : NRG Symphonie Serial No : 10851

Time	04-05 Jun 2023		05-06 Jun 2023		06-07 Jun 2023	
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD
13:00 - 14:00	1.0	WSW	0.9	SW	1.3	WSW
14:00 - 15:00	1.0	W	0.9	SSW	1.1	S
15:00 - 16:00	0.9	WSW	0.5	W	0.9	W
16:00 - 17:00	0.6	W	0.9	WSW	0.7	SSW
17:00 - 18:00	0.6	SSW	0.7	SW	0.9	SW
18:00 - 19:00	0.9	WSW	0.7	SSW	1.1	WSW
19:00 - 20:00	0.8	SW	1.0	W	1.0	SSW
20:00 - 21:00	0.9	SSW	1.1	S	1.2	SW
21:00 - 22:00	0.9	SW	1.1	SW	0.8	SW
22:00 - 23:00	0.8	SSW	0.7	SW	0.7	SSW
23:00 - 24:00	0.5	SSW	0.3	SW	0.6	WSW
00:00 - 01:00	0.6	SW	0.6	WSW	0.7	S
01:00 - 02:00	0.6	WSW	0.7	W	0.8	SSW
02:00 - 03:00	0.7	S	0.6	S	0.7	WSW
03:00 - 04:00	0.5	W	1.0	WSW	0.8	WSW
04:00 - 05:00	0.4	SW	0.8	SSW	0.6	WSW
05:00 - 06:00	0.4	SW	1.0	SSW	0.8	WSW
06:00 - 07:00	0.9	SW	1.0	SSW	0.8	S
07:00 - 08:00	0.8	W	0.9	SSW	1.0	WSW
08:00 - 09:00	1.0	SSW	0.8	SSW	1.2	SSW
09:00 - 10:00	1.1	SSW	0.3	SW	1.1	SW
10:00 - 11:00	1.2	SW	0.7	W	0.9	SSW
11:00 - 12:00	1.2	W	1.0	SW	0.8	SSW
12:00 - 13:00	0.9	SSW	1.3	SSW	1.0	SW

Wind Rose



File Control :R:\Database\Windrose\FileControl\Win-223097-Ban Bon 31 May 2023-07 Jun 2023

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team

SECOT CO.,LTD

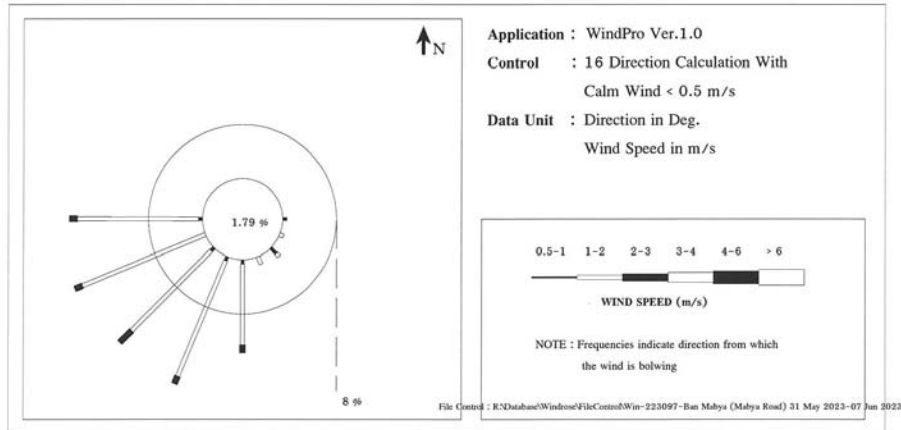
239 Rongkongsap Rd.
Bangkok, Bangkok 10600
Tel:166(0)2959-3600 Fax:166(0)2959-3535



Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Mabya Monitor period : 31 May 2023-07 Jun 2023
Wind Speed Model : NRG Symphonie Serial No : 10695
Wind Direction Model : NRG Symphonie Serial No : 10695

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
E	0.0060	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060
ESE	0.0000	0.0060	0.0000	0.0000	0.0000	0.0000	0.0060
SE	0.0119	0.0060	0.0000	0.0000	0.0000	0.0000	0.0179
SSE	0.0000	0.0119	0.0000	0.0000	0.0000	0.0000	0.0119
S	0.0060	0.1190	0.0119	0.0000	0.0000	0.0000	0.1369
SSW	0.0060	0.1845	0.0119	0.0000	0.0000	0.0000	0.2024
SW	0.0060	0.1667	0.0238	0.0000	0.0000	0.0000	0.1964
WSW	0.0000	0.1964	0.0119	0.0000	0.0000	0.0000	0.2083
W	0.0060	0.1786	0.0119	0.0000	0.0000	0.0000	0.1964
WNW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NNW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CALM	0.0179						



(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team

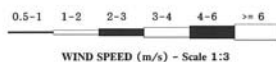


Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Mabya Monitor period : 31 May 2023-07 Jun 2023
Wind Speed Model : NRG Symphonie Serial No : 10695
Wind Direction Model : NRG Symphonie Serial No : 10695

Time	May 31-Jun 01, 2023		01-02 Jun 2023		02-03 Jun 2023		03-04 Jun 2023	
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD
12:00 - 13:00	2.1	SW	1.9	SW	1.8	S	1.6	WSW
13:00 - 14:00	1.9	SW	1.6	W	1.7	WSW	1.7	WSW
14:00 - 15:00	1.6	W	1.8	W	1.7	W	1.4	SSW
15:00 - 16:00	1.4	WSW	1.9	WSW	2.0	SSW	1.2	ESE
16:00 - 17:00	1.2	SW	1.7	W	1.4	SW	1.4	SSE
17:00 - 18:00	1.1	SSE	1.4	WSW	1.3	SW	1.4	WSW
18:00 - 19:00	1.0	S	1.2	S	1.1	SW	1.3	S
19:00 - 20:00	1.2	W	1.4	SW	0.9	E	1.1	SE
20:00 - 21:00	1.6	W	1.6	SSW	0.9	SE	0.9	SE
21:00 - 22:00	1.4	SW	1.6	SSW	0.9	S	0.4	E
22:00 - 23:00	1.5	WSW	1.6	SSW	1.5	SSW	1.2	SSW
23:00 - 24:00	1.3	WSW	1.5	SW	1.7	SW	1.7	W
00:00 - 01:00	1.6	W	1.5	S	1.8	W	1.5	S
01:00 - 02:00	1.4	SSW	1.4	W	1.3	SSW	1.5	S
02:00 - 03:00	1.2	SW	1.1	S	0.8	SW	1.5	WSW
03:00 - 04:00	1.2	SSW	1.4	SW	1.2	W	1.2	SSW
04:00 - 05:00	1.2	WSW	0.9	W	1.1	SSW	1.4	W
05:00 - 06:00	1.2	W	1.1	SSW	1.2	SW	1.4	SSW
06:00 - 07:00	1.2	SW	1.3	W	1.4	SW	2.0	WSW
07:00 - 08:00	1.0	SW	1.3	SSW	1.4	SSW	1.9	S
08:00 - 09:00	0.9	SSW	1.7	SSW	1.5	W	2.0	SW
09:00 - 10:00	1.7	S	1.7	SW	1.4	S	1.8	SW
10:00 - 11:00	1.8	W	1.7	SSW	1.5	WSW	2.0	W
11:00 - 12:00	1.7	SSW	1.7	SW	1.4	SW	1.5	WSW

Wind Rose



(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team

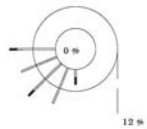
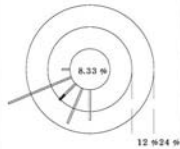
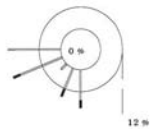


Meteorological Monitoring Results : Wind Rose MTR-PTTGC5

Location : Ban Mabys Monitor period : 31 May 2023-07 Jun 2023
Wind Speed Model : NRG Symphonie Serial No : 10695
Wind Direction Model : NRG Symphonie Serial No : 10695

Time	04-05 Jun 2023		05-06 Jun 2023		06-07 Jun 2023	
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD
12:00 - 13:00	1.4	S	1.8	WSW	1.9	SSW
13:00 - 14:00	1.8	WSW	1.8	SSW	1.8	SW
14:00 - 15:00	1.8	SSW	1.5	WSW	1.4	W
15:00 - 16:00	1.5	W	1.2	S	1.4	SW
16:00 - 17:00	1.1	S	1.5	WSW	1.5	WSW
17:00 - 18:00	1.3	SSW	1.3	WSW	1.5	W
18:00 - 19:00	1.7	WSW	1.4	S	2.1	W
19:00 - 20:00	1.8	W	1.5	WSW	1.9	WSW
20:00 - 21:00	1.8	W	1.9	SW	1.9	SSW
21:00 - 22:00	1.6	W	2.0	SW	2.0	S
22:00 - 23:00	1.5	SSW	1.6	S	1.9	SW
23:00 - 24:00	1.4	W	1.1	SSW	1.7	WSW
00:00 - 01:00	1.6	WSW	1.2	W	1.1	SSW
01:00 - 02:00	1.7	WSW	1.0	WSW	1.3	SSW
02:00 - 03:00	1.7	WSW	1.2	WSW	1.5	SW
03:00 - 04:00	1.5	W	1.6	SSW	1.6	WSW
04:00 - 05:00	1.3	S	1.7	WSW	1.5	SSW
05:00 - 06:00	1.5	S	1.7	SSW	1.4	S
06:00 - 07:00	2.1	SSW	1.6	SW	1.5	W
07:00 - 08:00	1.8	SW	1.4	WSW	1.7	W
08:00 - 09:00	1.6	W	0.1	NNW	2.1	SW
09:00 - 10:00	1.9	WSW	0.3	WSW	1.9	WSW
10:00 - 11:00	2.2	S	1.9	S	1.9	W
11:00 - 12:00	2.2	WSW	1.7	SSW	1.4	SW

Wind Rose



File Control : R:\Database\Windrose\FireControlWin-223097-Ban Mabys (Mabys Road) 31 May 2023-07 Jun 2023

(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
P/O :
Project Name : EIA Monitoring
Project Location :

Lot ID : 233403
Date Received : Jan 13, 2023
Date Reported : Jan 21, 2023
Report Number : 2539464-1

Page 1 of 2

Sample Number : 233403-3
Parameter : Wind Speed / Wind Direction
Location : PTTGC (พิกัด 47P 0735154E , 1410700N)
Sampling Date : Jan 12 - Jan 13, 2023
Sampling by : Jakkarin Manwicha

Time	Jan 12 - Jan 13, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.7	14.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.6	253.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.6	163.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.7	254.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.1	223.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.5	165.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.4	240.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	2.8	147.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	1.2	219.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	1.1	220.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.8	158.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.2	155.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.0	169.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.8	359.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.6	313.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.2	300.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.8	297.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.4	358.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.6	26.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.8	30.0	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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID : 2312418

Date Received : Feb 03, 2023

Date Reported : Feb 10, 2023

Report Number : 2557430-1

Page 1 of 2

Sample Number 2312418-3
Parameter Wind Speed / Wind Direction
Location PTTGC (พื้ด 47P 0735154E , 1410700N)
Sampling Date Feb 02 - Feb 03, 2023
Sampling by Norranon Tathongkham

Time	Feb 02 - Feb 03, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	2.6	359.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.3	348.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.3	239.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.9	219.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.9	162.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.7	157.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	2.0	167.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	1.0	259.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.4	225.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.4	185.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.1	144.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.0	257.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.6	157.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.5	297.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	3.0	141.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
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	169.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.4	155.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.0	148.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-

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, Maptaphut, Mueang, Rayong Thailand 31000

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID : 2321433

Date Received : Mar 03, 2023

Date Reported : Mar 09, 2023

Report Number : 2577828-1

Page 1 of 2

Sample Number 2321433-3
Parameter Wind Speed / Wind Direction
Location PTTGC (พื้ด 47P 0735154E , 1410700N)
Sampling Date Mar 02 - Mar 03, 2023
Sampling by Puwanart Pimpan

Time	Mar 02 - Mar 03, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.3	308.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.1	339.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.3	341.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.0	253.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.1	258.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.9	208.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.1	283.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.4	262.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
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	0.9	359.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	2.1	354.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	2.7	7.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.3	350.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.7	342.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.9	359.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.4	26.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.9	359.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	2.9	359.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	2.5	346.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.8	336.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	2.2	344.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jittranoit
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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID : 2334224

Date Received : Apr 06, 2023

Date Reported : Apr 18, 2023

Report Number : 2605295-1

Page 1 of 2

Sample Number 2334224-3
Parameter Wind Speed / Wind Direction
Location PTTGC (พิกัด 47P 0735154E , 1410700N)
Sampling Date Apr 03 - Apr 04, 2023
Sampling by Anurak Tongkhajonsakda

Time	Apr 03 - Apr 04, 2023		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.8	123.0	ESE	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.9	176.0	S	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.3	127.0	SE	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	3.2	182.0	S	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	2.3	172.0	S	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	2.3	177.0	S	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	2.0	127.0	SE	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.4	160.0	SSE	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	2.9	74.0	ENE	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.8	108.0	ESE	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.1	171.0	S	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.8	169.0	S	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.0	165.0	SSE	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.3	116.0	ESE	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.4	184.0	S	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.9	132.0	SE	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.4	165.0	SSE	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.5	151.0	SSE	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.5	183.0	S	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.2	162.0	SSE	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.1	153.0	SSE	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.0	174.0	S	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



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 Monitoring

Project Location :

Lot ID : 2346429

Date Received : May 03, 2023

Date Reported : May 12, 2023

Report Number : 2632731-1

Page 1 of 2

Sample Number 2346429-3
Parameter Wind Speed / Wind Direction
Location PTTGC (พิกัด 47P 0735154E , 1410700N)
Sampling Date May 02 - May 03, 2023
Sampling by Puwanart Pimpan

Time	May 02 - May 03, 2023		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.0	260.0	W	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.7	217.0	SW	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.4	202.0	SSW	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.5	169.0	S	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.6	153.0	SSE	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	1.3	271.0	W	-	-	-	-	-	-	-	-	-	-	-
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	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.6	301.0	WNW	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.6	298.0	WNW	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.3	302.0	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 Monitoring

Project Location :

Lot ID : 2355744

Date Received : Jun 02, 2023

Date Reported : Jun 12, 2023

Report Number : 2652847-1

Page 1 of 2

Sample Number : 2355744-3
Parameter : Wind Speed / Wind Direction
Location : PTTGC (พื้ด 47P 0735154E, 1410700N)
Sampling Date : Jun 01 - Jun 02, 2023
Sampling by : Anurak Tongkhajonsakda

Time	Jun 01 - Jun 02, 2023													
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.8	220.0	SW	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.5	195.0	SSW	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.3	120.0	ESE	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.2	278.0	W	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.8	265.0	W	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.3	255.0	WSW	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.9	136.0	SE	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.7	98.0	E	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.5	110.0	ESE	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.3	221.0	SW	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.3	198.0	SSW	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.2	167.0	SSE	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.4	190.0	S	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.3	198.0	SSW	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.7	195.0	SSW	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.9	127.0	SE	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.5	162.0	SSE	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.3	134.0	SE	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.4	121.0	ESE	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.6	116.0	ESE	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.8	142.0	SE	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.3	138.0	SE	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.5	127.0	SE	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.7	136.0	SE	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID : 233400

Date Received : Jan 13, 2023

Date Reported : Jan 31, 2023

Report Number : 2539457-1

Page 1 of 2

Sample Number : 233400-1
Parameter : Wind Speed / Wind Direction
Location : วนชมนนพพชม (นงน่านนพช) (พื้ด 47P 0736529E, 1411273N)
Sampling Date : Jan 12 - Jan 13, 2023
Sampling by : Jakkarin Manwicha

Time	Jan 12 - Jan 13, 2023													
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.7	356.0	N	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	2.1	85.0	E	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	2.2	116.0	ESE	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.2	194.0	SSW	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.4	161.0	SSE	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.4	168.0	SSE	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.3	140.0	SE	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	2.5	209.0	SSW	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.3	189.0	S	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.6	141.0	SE	-	-	-	-	-	-	-	-	-	-	-
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	1.3	146.0	SE	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.7	161.0	SSE	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.9	161.0	SSE	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.5	137.0	SE	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.9	139.0	SE	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.0	100.0	E	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.6	7.0	N	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.4	7.0	N	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.9	78.0	ENE	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.2	18.0	NNE	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.0	20.0	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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID : 2312417

Date Received : Feb 03, 2023

Date Reported : Feb 10, 2023

Report Number : 2557428-1

Page 1 of 2

Sample Number 2312417-1

Parameter Wind Speed / Wind Direction

Location หนองผอม (หนองผอม) (GPS 47P 0736525, 1411273)

Sampling Date Feb 02 - Feb 03, 2023

Sampling by Norranon Tathongkham

Time	Feb 02 - Feb 03, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.5	134.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.6	16.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.4	18.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	3.9	167.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	3.9	209.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.6	209.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	3.1	173.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	3.2	210.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.9	178.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.4	87.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.6	94.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.4	185.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.0	181.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.4	160.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.7	133.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.4	142.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.1	146.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.4	103.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.2	85.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.6	92.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.5	104.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-

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 Monitoring

Project Location :

Lot ID : 2321432

Date Received : Mar 03, 2023

Date Reported : Mar 09, 2023

Report Number : 2577823-1

Page 1 of 2

Sample Number 2321432-1

Parameter Wind Speed / Wind Direction

Location หนองผอม (หนองผอม) (พิกัด 47P 0736529E, 1411273N)

Sampling Date Mar 02 - Mar 03, 2023

Sampling by Puwanart Pimpan

Time	Mar 02 - Mar 03, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	2.7	111.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.7	111.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.2	23.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	3.0	273.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	3.7	237.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.9	222.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.8	254.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.9	224.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	2.4	252.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.4	328.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.3	29.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
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	1.9	27.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.8	35.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.2	28.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.8	24.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.6	36.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	2.2	50.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.6	68.0	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 Monitoring

Project Location :

Lot ID : 2332407

Date Received : Apr 06, 2023

Date Reported : Apr 18, 2023

Report Number : 2602025-1

Page 1 of 2

Sample Number 2332407-1

Parameter Wind Speed / Wind Direction

Location วนอุทยานพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)

Sampling Date Apr 03 - Apr 04, 2023

Sampling by Anurak Tongkhajonsakda

Time	Apr 03 - Apr 04, 2023		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.3	116.0	ESE	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.5	78.0	ENE	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.5	14.0	NNE	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	2.4	127.0	SE	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.1	161.0	SSE	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.3	101.0	E	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.6	66.0	ENE	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.5	17.0	NNE	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	4.3	159.0	SSE	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.0	51.0	NE	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.7	196.0	SSW	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	2.5	188.0	S	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.6	100.0	E	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	3.1	185.0	S	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	2.0	126.0	SE	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.8	79.0	E	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.8	121.0	ESE	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.5	168.0	SSE	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.7	157.0	SSE	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	2.4	197.0	SSW	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.4	172.0	S	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.8	176.0	S	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.4	181.0	S	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	2.5	178.0	S	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



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 Monitoring

Project Location :

Lot ID : 2346428

Date Received : May 03, 2023

Date Reported : May 12, 2023

Report Number : 2632730-1

Page 1 of 2

Sample Number 2346428-1

Parameter Wind Speed / Wind Direction

Location วนอุทยานพยอม (หมู่บ้านพยอม) (พิกัด 47P 0736529E, 1411273N)

Sampling Date May 02 - May 03, 2023

Sampling by Puwanart Pimpan

Time	May 02 - May 03, 2023		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	3.6	184.0	S	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	4.8	222.0	SW	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.7	187.0	S	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	5.9	222.0	SW	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	2.6	0.0	N	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.4	0.0	N	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	4.4	0.0	N	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	2.6	212.0	SSW	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	1.0	212.0	SSW	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.3	86.0	E	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.3	92.0	E	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	2.6	228.0	SW	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.2	203.0	SSW	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.6	196.0	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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID : 2355742

Date Received : Jun 02, 2023

Date Reported : Jun 12, 2023

Report Number : 2652843-1

Page 1 of 2

Sample Number 2355742-1

Parameter Wind Speed / Wind Direction

Location หนองหินพยอม (หนองหินพยอม) (พิกัด 47P 0736529E, 1411273N)

Sampling Date Jun 01 - Jun 02, 2023

Sampling by Anurak Tongkhajonsakda

Time	Jun 01 - Jun 02, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.3	200.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.5	201.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.9	201.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.3	199.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.5	197.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.2	124.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.3	149.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.3	214.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	1.4	304.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	1.5	202.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.3	104.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.5	103.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.3	138.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.7	359.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.5	346.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.2	310.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.8	216.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.5	208.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.8	135.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.9	208.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.3	229.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.5	196.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.5	227.0	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 :

Project Name : EIA Monitoring

Project Location :

Lot ID : 233398

Date Received : Jan 13, 2023

Date Reported : Jan 20, 2023

Report Number : 2539454-1

Page 1 of 2

Sample Number 233398-1

Parameter Wind Speed / Wind Direction

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

Sampling Date Jan 12 - Jan 13, 2023

Sampling by Jakkarin Manwicha

Time	Jan 12 - Jan 13, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.8	130.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.4	193.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.0	151.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.5	152.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.6	132.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.4	124.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.6	125.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.2	119.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.4	119.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.4	41.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.7	45.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.5	46.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.4	44.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.5	198.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.4	190.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-

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 Monitoring

Project Location :

Lot ID : 2312414

Date Received : Feb 03, 2023

Date Reported : Feb 10, 2023

Report Number : 2557427-1

Page 1 of 2

Sample Number 2312414-1

Parameter Wind Speed / Wind Direction

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

Sampling Date Feb 02 - Feb 03, 2023

Sampling by Norranon Tathongkham

Time	Feb 02 - Feb 03, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.9	100.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.4	222.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.8	273.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.9	210.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.7	253.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.4	240.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.9	282.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.2	317.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.4	270.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.1	172.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.3	197.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.4	135.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.8	128.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
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 :

Project Name : EIA Monitoring

Project Location :

Lot ID : 2321422

Date Received : Mar 03, 2023

Date Reported : Mar 09, 2023

Report Number : 2577818-1

Page 1 of 2

Sample Number 2321422-1

Parameter Wind Speed / Wind Direction

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

Sampling Date Mar 02 - Mar 03, 2023

Sampling by Puwanart Pimpan

Time	Mar 02 - Mar 03, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.8	71.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	2.2	307.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.8	166.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	2.3	240.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.6	219.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.9	206.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	3.4	232.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.8	279.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.7	299.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	0.3	0.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.4	3.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.6	76.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.4	267.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.9	18.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.4	24.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.9	16.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.6	22.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.4	34.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-

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 Monitoring

Project Location :

Lot ID : 2332405

Date Received : Apr 06, 2023

Date Reported : Apr 18, 2023

Report Number : 2602022-1

Page 1 of 2

Sample Number 2332405-1
Parameter Wind Speed / Wind Direction
Location หนองบัวนาบอน (พิกัด 47P 0735259E , 1408966N)
Sampling Date Apr 03 - Apr 04, 2023
Sampling by Anurak Tongkhajonsakda

Time	Apr 03 - Apr 04, 2023		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.9	203.0	SSW	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.3	151.0	SSE	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.2	195.0	SSW	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.1	22.0	NNE	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.7	209.0	SSW	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	2.1	64.0	ENE	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.6	48.0	NE	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.7	50.0	NE	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.3	100.0	E	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.5	177.0	S	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.3	149.0	SSE	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.9	166.0	SSE	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.4	190.0	S	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.1	204.0	SSW	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.5	45.0	NE	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	2.0	197.0	SSW	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.2	180.0	S	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.1	168.0	SSE	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	4.5	125.0	SE	-	-	-	-	-	-	-	-	-	-	-

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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID : 2346427

Date Received : May 03, 2023

Date Reported : May 12, 2023

Report Number : 2632726-1

Page 1 of 2

Sample Number 2346427-1
Parameter Wind Speed / Wind Direction
Location หนองบัวนาบอน (พิกัด 47P 0735259E , 1408966N)
Sampling Date May 02 - May 03, 2023
Sampling by Puwanart Pimpan

Time	May 02 - May 03, 2023		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	2.1	319.0	NW	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	3.8	211.0	SSW	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.0	292.0	WNW	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	2.7	242.0	WSW	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.2	220.0	SW	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.8	227.0	SW	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.8	206.0	SSW	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.3	259.0	W	-	-	-	-	-	-	-	-	-	-	-
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	0.3	316.0	NW	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.4	229.0	SW	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
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	0.7	116.0	ESE	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.0	204.0	SSW	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.8	188.0	S	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.3	200.0	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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID : 2355741

Date Received : Jun 02, 2023

Date Reported : Jun 12, 2023

Report Number : 2652839-1

Page 1 of 2

Sample Number 2355741-1

Parameter Wind Speed / Wind Direction

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

Sampling Date Jun 01 - Jun 02, 2023

Sampling by Anurak Tongkhajonsakda

Time	Jun 01 - Jun 02, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.4	197.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.7	213.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.3	211.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.5	138.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.2	140.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.8	118.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.3	131.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.4	110.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.5	193.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.4	294.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.8	289.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.3	286.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.1	296.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.7	255.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.2	291.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.4	305.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.5	276.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.6	275.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.8	188.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.0	181.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.5	178.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.6	197.0	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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID : 233394

Date Received : Jan 13, 2023

Date Reported : Jan 20, 2023

Report Number : 2539451-1

Page 1 of 2

Sample Number 233394-1

Parameter Wind Speed / Wind Direction

Location หนองนาบอน (พิกัด 47P 0735680E, 1408469N)

Sampling Date Jan 12 - Jan 13, 2023

Sampling by Jakkarin Manwicha

Time	Jan 12 - Jan 13, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.6	117.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.7	74.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	2.4	138.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.6	117.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.2	152.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.6	91.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	2.2	113.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.8	54.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.6	82.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	1.7	113.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.5	109.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.7	73.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.9	37.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.7	75.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.3	343.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
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	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.4	257.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-

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 Monitoring

Project Location :

Lot ID : 2312413

Date Received : Feb 03, 2023

Date Reported : Feb 10, 2023

Report Number : 2557423-1

Page 1 of 2

Sample Number 2312413-1

Parameter Wind Speed / Wind Direction

Location หนองนาถนาถ (พิกัด 47P 0735680E, 1408469N)

Sampling Date Feb 02 - Feb 03, 2023

Sampling by Norranon Tathongkham

Time	Feb 02 - Feb 03, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	2.4	122.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	2.0	112.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	2.6	175.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.8	177.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.2	120.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.4	145.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.3	188.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.8	202.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.6	219.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.4	256.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.3	62.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.5	60.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.6	82.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.5	32.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.4	339.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.8	66.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.7	112.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-

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 Monitoring

Project Location :

Lot ID : 2321420

Date Received : Mar 03, 2023

Date Reported : Mar 09, 2023

Report Number : 2577817-1

Page 1 of 2

Sample Number 2321420-1

Parameter Wind Speed / Wind Direction

Location หนองนาถนาถ (พิกัด 47P 0735680E, 1408469N)

Sampling Date Mar 02 - Mar 03, 2023

Sampling by Puwanart Pimpan

Time	Mar 02 - Mar 03, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.7	359.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.7	199.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	3.5	214.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.7	325.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.5	226.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	3.0	291.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.8	337.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	1.3	356.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.7	325.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.6	24.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.6	46.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.3	47.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.9	37.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.4	90.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.4	39.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.4	76.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.8	129.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.2	134.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.0	120.0	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 : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID : 2332403

Date Received : Apr 06, 2023

Date Reported : Apr 18, 2023

Report Number : 2602019-1

Page 1 of 2

Sample Number 2332403-1

Parameter Wind Speed / Wind Direction

Location หนองนาทราย (พิกัด 47P 0735680E, 1408469N)

Sampling Date Apr 03 - Apr 04, 2023

Sampling by Anurak Tongkhajonsakda

Time	Apr 03 - Apr 04, 2023		-		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.5	117.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.1	176.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.8	148.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.6	136.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	1.2	127.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.8	133.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.7	118.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	1.2	164.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.4	168.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.6	150.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	2.2	150.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.9	138.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.8	135.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.2	164.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.8	149.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.9	161.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.1	169.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.9	99.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	2.2	148.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.3	125.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	4.9	124.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	2.2	122.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.8	164.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.8	166.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-

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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID : 2346425

Date Received : May 03, 2023

Date Reported : May 12, 2023

Report Number : 2632725-1

Page 1 of 2

Sample Number 2346425-1

Parameter Wind Speed / Wind Direction

Location หนองนาทราย (พิกัด 47P 0735680E, 1408469N)

Sampling Date May 02 - May 03, 2023

Sampling by Puwanart Pimpan

Time	May 02 - May 03, 2023		-		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.8	228.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	2.8	134.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	2.4	134.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	1.1	153.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.2	136.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	0.6	259.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.6	264.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.3	337.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	2.4	119.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Assistant General Manager

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Sampling by Anurak Tongkhajonsakda

[illegible]

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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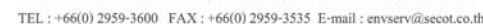
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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd. (Branch 5 : Aromatics 2 Plant)	REFERENCE NO.	: 223097/MON1H/Amb/May-June
MEASUREMENT BY	: SECOT Co., Ltd.	SAMPLING DATE	: 31/05-07/06/2023
RECEIVED DATE	: 08/06/2023	ANALYTICAL DATE	: 13-14/06/2023
REPORT DATE	: 14/06/2023	SAMPLE CONDITION	: Good
SITE OPERATOR	: Mr. Siwanon Kulawong	LOCATION DESCRIPTION	: Ban Nurnpayom

PARAMETER	SAMPLING DATE	UNIT	RESULT	STANDARD*	REFERENCE METHOD
PM-10 (24 hr)	31/05-01/06/2023	mg/cu.m.	0.043	0.120	High Volume
	01-02/06/2023	mg/cu.m.	0.037		Air Sampler
	02-03/06/2023	mg/cu.m.	0.026		(Hi-Vol PM-10
	03-04/06/2023	mg/cu.m.	0.020		Size Selective Inlet)/
	04-05/06/2023	mg/cu.m.	0.019		Gravimetric Method
	05-06/06/2023	mg/cu.m.	0.020		
	06-07/06/2023	mg/cu.m.	0.023		

(Miss Phatchara Samanchan)

Analyst

(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).

F-LAB-Ann

223097/MON114/Armb May-June



บริษัท ซีคอต จำกัด
SECOT CO., LTD.

239 ถนนวิมลคลองประปา แขวงบางซื่อ เขตบางซื่อ กรุงเทพฯ 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.	: 223097/MON1H/Amb/May-June
	(Branch 5 : Aromatics 2 Plant)		
MEASUREMENT BY	: SECOT Co., Ltd.	SAMPLING DATE	: 31/05-07/06/2023
RECEIVED DATE	: 08/06/2023	ANALYTICAL DATE	: 13-14/06/2023
REPORT DATE	: 14/06/2023	SAMPLE CONDITION	: Good
SITE OPERATOR	: Mr. Siwanon Kulawong	LOCATION DESCRIPTION	: Ban Bon

PARAMETER	SAMPLING DATE	UNIT	RESULT	STANDARD*	REFERENCE METHOD
PM-10 (24 hr)	31/05-01/06/2023	mg/cu.m.	0.040	0.120	High Volume
	01-02/06/2023	mg/cu.m.	0.044		Air Sampler
	02-03/06/2023	mg/cu.m.	0.028		(Hi-Vol PM-10
	03-04/06/2023	mg/cu.m.	0.018		Size Selective Inlet)/
	04-05/06/2023	mg/cu.m.	0.018		Gravimetric Method
	05-06/06/2023	mg/cu.m.	0.017		
	06-07/06/2023	mg/cu.m.	0.018		

Phatchara Samanchan
(Miss Phatchara Samanchan)

Analyst

Narisa Poowasanpetch
(Miss Narisa Poowasanpetch)

Technical Management Team

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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 223097/MON1H/Amb/May-June
	(Branch 5 : Aromatics 2 Plant)		
MEASUREMENT BY	: SECOT Co., Ltd.	SAMPLING DATE	: 31/05-07/06/2023
RECEIVED DATE	: 08/06/2023	ANALYTICAL DATE	: 13-14/06/2023
REPORT DATE	: 14/06/2023	SAMPLE CONDITION	: Good
SITE OPERATOR	: Mr. Siwanon Kulawong	LOCATION DESCRIPTION	: Ban Mabya

PARAMETER	SAMPLING DATE	UNIT	RESULT	STANDARD*	REFERENCE METHOD
PM-10 (24 hr)	31/05-01/06/2023	mg/cu.m.	0.053	0.120	High Volume
	01-02/06/2023	mg/cu.m.	0.041		Air Sampler
	02-03/06/2023	mg/cu.m.	0.030		(Hi-Vol PM-10
	03-04/06/2023	mg/cu.m.	0.020		Size Selective Inlet)/
	04-05/06/2023	mg/cu.m.	0.030		Gravimetric Method
	05-06/06/2023	mg/cu.m.	0.026		
	06-07/06/2023	mg/cu.m.	0.024		

Phatchara Samanchan
(Miss Phatchara Samanchan)

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).



Ambient Air Monitoring Results : Sulfur dioxide MTR-PTTGC5

Location : Ban Numpayom Monitor Period : 31 May 2023-07 Jun 2023
Analyzer Model : API 100A Station No : SCT-16
Serial No : 382 Site Operator : Mr. Siwanon Kulawong

Calibrator Model : Teledyne 700E Serial No : 587
Calibration Gas Cylinder I.D.: EB0108319
Certified Date : 09 Jan 2023 Cal Concentration (ppb) : 0,100,200,400
Expire Date : 08 Jan 2024

Time	SO2 Concentration (ppb)						
	31-01 Jun 2023	01-02 Jun 2023	02-03 Jun 2023	03-04 Jun 2023	04-05 Jun 2023	05-06 Jun 2023	06-07 Jun 2023
14:00 - 15:00	3.0	1.5	1.4	1.8	2.3	2.5	2.8
15:00 - 16:00	2.6	4.2	1.4	1.7	2.3	2.5	2.7
16:00 - 17:00	2.6	5.0	1.5	1.7	2.4	2.4	2.7
17:00 - 18:00	3.9	2.2	1.8	2.0	2.7	2.5	2.9
18:00 - 19:00	5.4	2.3	5.2	3.3	3.2	2.3	2.8
19:00 - 20:00	5.0	2.2	4.5	5.3	2.8	2.3	2.8
20:00 - 21:00	5.0	2.2	2.0	6.1	2.6	2.3	2.8
21:00 - 22:00	3.8	2.7	1.5	5.4	2.4	2.5	2.8
22:00 - 23:00	2.9	1.8	1.9	3.9	3.3	2.7	2.9
23:00 - 00:00	2.6	2.5	1.9	2.9	2.9	2.7	2.9
00:00 - 01:00	2.2	1.4	1.6	2.6	2.4	2.8	3.1
01:00 - 02:00	2.2	1.6	1.1	1.9	1.9	2.5	3.2
02:00 - 03:00	1.9	1.1	1.3	2.2	2.2	2.5	2.6
03:00 - 04:00	1.8	1.5	1.5	2.8	2.3	2.6	2.8
04:00 - 05:00	2.0	1.1	2.1	2.1	2.7	2.6	2.7
05:00 - 06:00	2.0	2.0	1.7	1.9	2.6	2.6	2.8
06:00 - 07:00	1.8	1.0	1.8	1.8	2.4	2.8	2.9
07:00 - 08:00	2.2	1.8	1.6	2.1	4.7	2.8	3.0
08:00 - 09:00	2.4	1.7	2.2	2.4	3.6	3.0	3.2
09:00 - 10:00	2.5	1.8	2.3	2.5	2.8	3.0	3.2
10:00 - 11:00	2.3	1.8	2.2	2.5	2.6	3.0	3.2
11:00 - 12:00	2.2	1.8	2.0	2.4	2.5	2.8	3.0
12:00 - 13:00	1.8	1.6	2.0	2.4	1.6	2.9	2.6
13:00 - 14:00	1.9	1.4	1.9	2.4	2.7	2.9	3.1
Average-24Hr*	2.8	2.0	2.0	2.8	2.7	2.6	2.9
Max-1Hr	5.4	5.0	5.2	6.1	4.7	3.0	3.2
Min-1Hr	1.8	1.0	1.1	1.7	1.6	2.3	2.6
Standard-1Hr	300 ppb(780 ug/cu.m)						
Standard-24Hr	120 ppb(300 ug/cu.m)						

Remark : * Average time between 14:00-14:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Ambient Air Monitoring Results : Sulfur dioxide MTR-PTTGC5

Location : Ban Bon Monitor Period : 31 May 2023-07 Jun 2023
Analyzer Model : Teledyne T100 Station No : Shelter 17
Serial No : 119 Site Operator : Mr. Siwanon Kulawong

Calibrator Model : Teledyne 700E Serial No : 587
Calibration Gas Cylinder I.D.: EB0108319
Certified Date : 09 Jan 2023 Cal Concentration (ppb) : 0,100,200,400
Expire Date : 08 Jan 2024

Time	SO2 Concentration (ppb)						
	31-01 Jun 2023	01-02 Jun 2023	02-03 Jun 2023	03-04 Jun 2023	04-05 Jun 2023	05-06 Jun 2023	06-07 Jun 2023
13:00 - 14:00	3.2	4.7	2.0	2.3	2.8	2.9	3.2
14:00 - 15:00	4.6	5.4	2.1	2.3	2.7	2.9	3.2
15:00 - 16:00	3.8	2.7	2.6	2.3	3.0	2.9	3.2
16:00 - 17:00	5.3	2.7	5.8	3.6	3.7	2.9	3.3
17:00 - 18:00	4.9	2.4	5.3	5.8	3.3	3.0	3.2
18:00 - 19:00	4.9	2.6	2.7	6.9	3.0	3.0	3.3
19:00 - 20:00	3.9	3.2	2.5	6.8	3.0	3.0	3.4
20:00 - 21:00	2.9	2.1	2.2	3.7	3.9	3.0	3.3
21:00 - 22:00	2.4	3.2	2.7	3.6	3.4	3.0	3.4
22:00 - 23:00	2.8	2.5	2.2	3.4	3.1	3.1	3.3
23:00 - 00:00	2.6	1.8	2.5	2.5	2.7	3.1	3.4
00:00 - 01:00	2.2	2.1	1.8	2.9	2.8	3.0	3.5
01:00 - 02:00	2.3	1.8	2.1	3.2	2.7	3.0	3.3
02:00 - 03:00	2.0	2.2	2.4	3.3	3.1	3.1	3.3
03:00 - 04:00	2.3	1.9	2.6	2.6	3.0	3.2	3.3
04:00 - 05:00	2.2	2.3	2.3	2.5	2.9	3.0	3.3
05:00 - 06:00	2.1	1.8	2.3	2.5	5.2	3.1	3.4
06:00 - 07:00	2.2	2.2	2.4	2.5	3.9	3.2	3.4
07:00 - 08:00	2.6	2.2	2.5	2.7	3.0	3.3	3.5
08:00 - 09:00	2.7	2.3	2.6	2.9	3.1	3.3	3.5
09:00 - 10:00	2.5	2.1	2.5	2.8	3.1	3.2	3.6
10:00 - 11:00	2.1	2.2	2.5	2.7	3.0	3.2	3.4
11:00 - 12:00	2.4	2.2	2.5	2.7	2.6	3.3	3.2
12:00 - 13:00	2.1	2.0	2.4	2.7	3.0	3.3	3.5
Average-24Hr*	3.0	2.5	2.6	3.3	3.2	3.1	3.4
Max-1Hr	5.3	5.4	5.8	6.9	5.2	3.3	3.6
Min-1Hr	2.0	1.8	1.8	2.3	2.6	2.9	3.2
Standard-1Hr	300 ppb(780 ug/cu.m)						
Standard-24Hr	120 ppb(300 ug/cu.m)						

Remark : * Average time between 13:00-13:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Ambient Air Monitoring Results : Sulfur dioxide MTR-PTTGC5

Location : Ban Mabya Monitor Period : 31 May 2023-07 Jun 2023
Analyzer Model : API 100A Station No : SCT-18
Serial No : 342 Site Operator : Mr. Siwanon Kulawong

Calibrator Model : Teledyne 700E Serial No : 587
Calibration Gas Cylinder I.D.: EB0108319
Certified Date : 09 Jan 2023 Cal Concentration (ppb) : 0,100,200,400
Expire Date : 08 Jan 2024

Time	SO2 Concentration (ppb)						
	31-01 Jun 2023	01-02 Jun 2023	02-03 Jun 2023	03-04 Jun 2023	04-05 Jun 2023	05-06 Jun 2023	06-07 Jun 2023
12:00 - 13:00	3.2	4.8	2.9	2.0	2.5	2.6	3.8
13:00 - 14:00	4.1	5.5	3.0	2.1	2.9	2.6	3.6
14:00 - 15:00	3.1	3.6	3.6	2.0	3.6	3.0	3.9
15:00 - 16:00	4.9	3.3	6.1	3.7	3.7	3.2	3.7
16:00 - 17:00	4.6	2.6	5.7	5.9	3.0	3.3	3.4
17:00 - 18:00	4.6	2.7	3.6	7.1	2.5	3.9	3.4
18:00 - 19:00	3.7	3.7	3.3	7.1	2.5	3.5	3.7
19:00 - 20:00	3.2	2.7	3.8	4.0	3.5	3.3	4.0
20:00 - 21:00	2.5	3.7	5.1	3.3	3.0	3.3	3.9
21:00 - 22:00	2.9	3.2	4.1	3.1	3.2	3.3	3.9
22:00 - 23:00	3.5	2.2	3.2	2.4	2.8	3.1	4.0
23:00 - 00:00	3.0	2.2	2.6	2.7	2.6	3.1	4.0
00:00 - 01:00	2.6	2.1	2.5	3.0	2.5	3.2	3.8
01:00 - 02:00	2.3	2.2	2.5	2.2	2.9	3.1	3.6
02:00 - 03:00	2.7	1.9	2.5	2.2	2.6	2.9	3.6
03:00 - 04:00	2.7	1.9	2.4	2.2	2.4	2.8	3.7
04:00 - 05:00	2.5	1.9	3.0	2.2	4.7	2.9	3.7
05:00 - 06:00	2.1	1.8	2.6	2.2	3.4	2.8	3.4
06:00 - 07:00	2.3	1.7	2.0	2.5	2.4	2.8	3.2
07:00 - 08:00	2.3	1.8	2.0	2.6	3.0	3.0	3.3
08:00 - 09:00	2.9	2.0	2.1	2.6	3.3	2.9	3.7
09:00 - 10:00	2.0	2.1	2.1	2.2	3.4	3.5	3.4
10:00 - 11:00	3.5	2.2	2.1	2.3	2.7	3.7	4.1
11:00 - 12:00	2.6	2.6	2.1	2.3	2.7	3.8	4.0
Average-24Hr*	3.1	2.7	3.1	3.1	3.0	3.2	3.7
Max-1Hr	4.9	5.5	6.1	7.1	4.7	3.9	4.1
Min-1Hr	2.0	1.7	2.0	2.0	2.4	2.6	3.2
Standard-1Hr	300 ppb(780 ug/cu.m)						
Standard-24Hr	120 ppb(300 ug/cu.m)						

Remark : * Average time between 12:00-12:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Ambient Air Monitoring Results : Nitrogen dioxide MTR-PTTGC5

Location : Ban Numpayom Monitor Period : 31 May 2023-07 Jun 2023
Analyzer Model : API 200A Station No : SCT-16
Serial No : 1651 Site Operator : Mr. Siwanon Kulawong

Calibrator Model : Teledyne 700E Serial No : 587
Calibration Gas Cylinder I.D.: EB0108319
Certified Date : 09 Jan 2023 Cal Concentration (ppb) : 0,100,200,400
Expire Date : 08 Jan 2024

Time	NO2 Concentration (ppb)						
	31-01 Jun 2023	01-02 Jun 2023	02-03 Jun 2023	03-04 Jun 2023	04-05 Jun 2023	05-06 Jun 2023	06-07 Jun 2023
14:00 - 15:00	6.7	6.3	8.3	4.4	8.3	5.2	10.9
15:00 - 16:00	7.6	9.1	10.2	4.8	7.4	5.6	14.4
16:00 - 17:00	12.5	9.9	9.8	7.0	7.1	7.3	15.5
17:00 - 18:00	12.7	6.7	10.3	7.8	9.8	8.0	16.7
18:00 - 19:00	10.0	6.9	13.4	11.7	12.3	9.5	2.7
19:00 - 20:00	12.0	7.0	13.0	15.0	10.7	2.4	11.2
20:00 - 21:00	14.0	5.9	9.8	13.3	5.2	7.4	11.3
21:00 - 22:00	11.2	7.1	9.9	8.4	9.6	6.8	10.5
22:00 - 23:00	8.5	6.1	10.0	8.3	12.0	6.7	8.8
23:00 - 00:00	5.4	4.4	12.4	6.8	8.8	5.3	3.2
00:00 - 01:00	6.9	5.9	13.9	7.2	11.8	7.0	7.4
01:00 - 02:00	9.0	4.4	10.4	6.7	10.6	5.7	8.4
02:00 - 03:00	6.2	4.2	10.0	7.4	8.3	4.7	6.4
03:00 - 04:00	5.5	5.1	10.2	8.0	7.3	4.9	4.6
04:00 - 05:00	5.7	5.0	10.2	7.9	8.5	8.0	2.2
05:00 - 06:00	7.5	7.1	9.5	10.7	8.7	7.0	6.7
06:00 - 07:00	8.9	7.6	7.7	11.1	6.6	8.9	9.4
07:00 - 08:00	6.2	7.1	6.5	8.9	5.8	6.4	10.1
08:00 - 09:00	7.5	6.1	5.5	7.1	8.4	7.6	11.3
09:00 - 10:00	7.1	6.1	6.8	5.6	7.0	7.8	10.6
10:00 - 11:00	8.8	9.1	10.7	4.8	6.0	8.7	7.6
11:00 - 12:00	7.5	8.4	9.3	5.2	5.2	8.7	8.9
12:00 - 13:00	5.3	8.2	7.1	8.3	5.8	7.9	11.1
13:00 - 14:00	5.5	6.4	5.0	10.8	6.6	9.2	9.4
Average-24Hr*	8.3	6.7	9.6	8.2	8.2	6.9	9.1
Max-1Hr	14.0	9.9	13.9	15.0	12.3	9.5	16.7
Min-1Hr	5.3	4.2	5.0	4.4	5.2	2.4	2.2
Standard-1Hr	170 ppb(320 ug/cu.m)						
Standard-24Hr	-						

Remark : * Average time between 14:00-14:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Ambient Air Monitoring Results : Nitrogen dioxide MTR-PTTGC5

Location : Ban Bon Monitor Period : 31 May 2023-07 Jun 2023
Analyzer Model : Teledyne T200 Station No : Shelter 17
Serial No : 111 Site Operator : Mr. Siwanon Kulawong

Calibrator Model : Teledyne 700E Serial No : 587
Calibration Gas Cylinder I.D.: EB0108319
Certified Date : 09 Jan 2023 Cal Concentration (ppb) : 0,100,200,400
Expire Date : 08 Jan 2024

Time	NO2 Concentration (ppb)						
	31-01 Jun 2023	01-02 Jun 2023	02-03 Jun 2023	03-04 Jun 2023	04-05 Jun 2023	05-06 Jun 2023	06-07 Jun 2023
13:00 - 14:00	5.8	9.5	8.8	4.2	5.9	6.1	10.7
14:00 - 15:00	10.4	10.8	9.8	5.5	7.8	4.4	10.8
15:00 - 16:00	10.4	7.6	12.2	3.8	7.7	5.6	17.7
16:00 - 17:00	10.6	8.9	15.2	11.0	8.7	7.8	18.6
17:00 - 18:00	12.0	5.2	16.2	13.7	13.4	9.2	20.1
18:00 - 19:00	13.7	8.8	9.4	13.6	12.4	11.8	2.2
19:00 - 20:00	12.0	10.4	13.3	13.7	9.4	3.7	11.3
20:00 - 21:00	15.5	8.6	13.9	13.4	10.0	11.4	13.8
21:00 - 22:00	11.6	6.3	15.8	5.2	11.7	6.8	10.7
22:00 - 23:00	11.4	7.6	11.3	9.4	7.9	4.7	6.6
23:00 - 00:00	8.2	5.1	9.7	3.5	5.3	2.9	1.6
00:00 - 01:00	7.1	5.5	10.5	6.7	13.0	8.1	10.3
01:00 - 02:00	9.6	3.2	8.4	7.8	10.7	3.9	10.0
02:00 - 03:00	4.8	4.4	11.9	7.4	10.5	4.5	6.5
03:00 - 04:00	1.6	7.2	8.3	10.1	4.4	7.1	4.6
04:00 - 05:00	5.4	6.1	6.4	13.2	7.4	7.5	0.8
05:00 - 06:00	10.0	8.8	4.7	12.9	7.6	8.5	5.5
06:00 - 07:00	10.4	5.4	2.8	8.8	13.2	10.9	12.9
07:00 - 08:00	8.7	6.0	6.1	7.3	10.2	5.6	12.1
08:00 - 09:00	10.7	10.5	13.6	5.4	5.2	11.6	12.9
09:00 - 10:00	10.1	9.4	8.6	3.6	3.9	9.5	14.7
10:00 - 11:00	7.4	7.9	9.2	9.5	8.5	9.7	9.6
11:00 - 12:00	7.2	7.6	5.7	12.1	6.5	9.1	10.0
12:00 - 13:00	7.5	8.1	4.8	7.0	3.7	8.8	11.5
Average-24Hr*	9.3	7.5	9.9	8.7	8.5	7.5	10.2
Max-1Hr	15.5	10.8	16.2	13.7	13.4	11.8	20.1
Min-1Hr	1.6	3.2	2.8	3.5	3.7	2.9	0.8
Standard-1Hr	170 ppb(320 ug/cu.m)						
Standard-24Hr	-						

Remark : * Average time between 13:00-13:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Ambient Air Monitoring Results : Nitrogen dioxide MTR-PTTGC5

Location : Ban Mabya Monitor Period : 31 May 2023-07 Jun 2023
Analyzer Model : API 200A Station No : SCT-18
Serial No : 2385 Site Operator : Mr. Siwanon Kulawong

Calibrator Model : Teledyne 700E Serial No : 587
Calibration Gas Cylinder I.D.: EB0108319
Certified Date : 09 Jan 2023 Cal Concentration (ppb) : 0,100,200,400
Expire Date : 08 Jan 2024

Time	NO2 Concentration (ppb)						
	31-01 Jun 2023	01-02 Jun 2023	02-03 Jun 2023	03-04 Jun 2023	04-05 Jun 2023	05-06 Jun 2023	06-07 Jun 2023
12:00 - 13:00	6.9	7.6	8.4	4.4	6.3	4.7	7.9
13:00 - 14:00	11.7	8.7	8.4	5.1	6.3	5.4	9.3
14:00 - 15:00	11.2	7.9	8.9	4.9	6.8	5.3	11.5
15:00 - 16:00	10.4	8.2	13.9	8.7	8.7	6.4	15.0
16:00 - 17:00	10.5	8.5	13.8	13.2	8.4	8.2	16.4
17:00 - 18:00	11.7	7.1	10.8	13.5	10.9	9.3	17.5
18:00 - 19:00	10.7	9.0	11.9	14.7	12.6	11.0	3.5
19:00 - 20:00	11.9	6.5	13.2	12.6	14.6	4.1	10.9
20:00 - 21:00	12.6	5.6	14.9	11.9	8.3	9.4	10.5
21:00 - 22:00	11.2	5.1	10.0	5.4	10.6	5.9	9.1
22:00 - 23:00	8.9	3.9	7.3	6.6	8.5	4.1	8.2
23:00 - 00:00	4.3	2.7	7.4	5.7	5.4	2.1	2.6
00:00 - 01:00	3.8	4.5	11.9	6.5	9.7	5.0	7.8
01:00 - 02:00	6.5	3.8	8.8	5.0	9.0	5.5	7.4
02:00 - 03:00	3.2	4.1	8.4	6.1	6.2	3.8	5.9
03:00 - 04:00	3.3	5.9	6.9	8.4	3.6	4.1	3.5
04:00 - 05:00	3.8	6.0	5.7	10.1	5.8	6.7	2.4
05:00 - 06:00	9.2	7.4	4.4	10.6	10.7	7.2	7.3
06:00 - 07:00	11.1	6.7	5.7	8.6	9.6	9.5	9.9
07:00 - 08:00	9.8	9.2	10.1	5.7	6.6	8.0	11.1
08:00 - 09:00	8.0	8.8	9.2	3.9	5.8	8.8	12.4
09:00 - 10:00	6.0	7.3	7.4	7.8	5.8	7.9	12.0
10:00 - 11:00	5.8	5.6	5.0	10.6	5.8	8.5	7.3
11:00 - 12:00	5.6	7.2	4.8	9.0	5.1	8.2	8.4
Average-24Hr*	8.3	6.6	9.0	8.3	8.0	6.6	9.1
Max-1Hr	12.6	9.2	14.9	14.7	14.6	11.0	17.5
Min-1Hr	3.2	2.7	4.4	3.9	3.6	2.1	2.4
Standard-1Hr	170 ppb(320 ug/cu.m)						
Standard-24Hr	-						

Remark : * Average time between 12:00-12:00

(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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 233404

Date Received : Jan 13, 2023

Date Reported : Feb 02, 2023

Report Number : 2557948-1

Page 1 of 8

Sample Number	233404-3
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ที่ 47P 0735154E , 1410700N)
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloro ethane	12/01/23 - 13/01/23	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	12/01/23 - 13/01/23	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	12/01/23 - 13/01/23	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	12/01/23 - 13/01/23	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	12/01/23 - 13/01/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	12/01/23 - 13/01/23	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trimethylbenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	12/01/23 - 13/01/23	ug/m3	0.10	0.38	Not Detected	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	12/01/23 - 13/01/23	ug/m3	0.20	0.60	<0.60	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Dej Changchon
Senior Manager

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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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 Monitoring

Project Location :

Lot ID: 233404

Date Received : Jan 13, 2023

Date Reported : Feb 02, 2023

Report Number : 2557948-1

Page 2 of 8

Sample Number	233404-3
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ที่ 47P 0735154E , 1410700N)
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	0.07	0.20	0.24	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	12/01/23 - 13/01/23	ug/m3	0.08	0.23	Not Detected	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	12/01/23 - 13/01/23	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3-Butadiene	12/01/23 - 13/01/23	ug/m3	0.04	0.11	Not Detected	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	12/01/23 - 13/01/23	ug/m3	0.20	0.60	<0.60	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	12/01/23 - 13/01/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	12/01/23 - 13/01/23	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	12/01/23 - 13/01/23	ug/m3	0.50	1.52	4.43	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1-Propanol	12/01/23 - 13/01/23	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Hexanone	12/01/23 - 13/01/23	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Dej Changchon
Senior Manager

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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 Monitoring

Project Location :

Lot ID: 233404

Date Received : Jan 13, 2023

Date Reported : Feb 02, 2023

Report Number : 2557948-1

Page 3 of 8

Sample Number	233404-3
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด 47P 0735154E , 1410700N)
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Propanol	12/01/23 - 13/01/23	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
3-Hexanone	12/01/23 - 13/01/23	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
3-Pentanone	12/01/23 - 13/01/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acetaldehyde	12/01/23 - 13/01/23	ug/m3	0.05	0.18	0.36	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	12/01/23 - 13/01/23	ug/m3	0.08	0.24	3.99	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acetonitrile	12/01/23 - 13/01/23	ug/m3	0.30	0.84	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acrolein	12/01/23 - 13/01/23	ug/m3	0.08	0.23	<0.23	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	12/01/23 - 13/01/23	ug/m3	0.07	0.22	0.26	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	12/01/23 - 13/01/23	ug/m3	0.05	0.16	3.39	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	12/01/23 - 13/01/23	ug/m3	0.17	0.52	Not Detected	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

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Senior Manager

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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 Monitoring

Project Location :

Lot ID: 233404

Date Received : Jan 13, 2023

Date Reported : Feb 02, 2023

Report Number : 2557948-1

Page 4 of 8

Sample Number	233404-3
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด 47P 0735154E , 1410700N)
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Bromoform	12/01/23 - 13/01/23	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Bromomethane	12/01/23 - 13/01/23	ug/m3	0.06	0.19	<0.19	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	12/01/23 - 13/01/23	ug/m3	0.49	1.47	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Carbon Disulfide	12/01/23 - 13/01/23	ug/m3	0.05	0.16	Not Detected	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	12/01/23 - 13/01/23	ug/m3	0.10	0.31	<0.31	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chlorodifluoromethane (HCFC-22)	12/01/23 - 13/01/23	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chloroethane	12/01/23 - 13/01/23	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chloroform	12/01/23 - 13/01/23	ug/m3	0.08	0.24	<0.24	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	12/01/23 - 13/01/23	ug/m3	0.30	1.03	1.12	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

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Senior Manager

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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 Monitoring

Project Location :

Lot ID: 233404

Date Received : Jan 13, 2023

Date Reported : Feb 02, 2023

Report Number : 2557948-1

Page 5 of 8

Sample Number	233404-3
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด 47P 0735154E , 1410700N)
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
cis-1,3-Dichloropropene	12/01/23 - 13/01/23	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Cyclohexane	12/01/23 - 13/01/23	ug/m3	0.60	1.72	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Cyclopentane	12/01/23 - 13/01/23	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Dichlorodifluoromethane (CFC-112)	12/01/23 - 13/01/23	ug/m3	0.80	2.47	<2.47	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Dichloromethane	12/01/23 - 13/01/23	ug/m3	0.06	0.17	0.35	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	12/01/23 - 13/01/23	ug/m3	0.30	0.94	2.52	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Ethyl Benzene	12/01/23 - 13/01/23	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Hexanal	12/01/23 - 13/01/23	ug/m3	0.60	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Hexane	12/01/23 - 13/01/23	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Isobutene	12/01/23 - 13/01/23	ug/m3	0.40	1.15	1.61	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

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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 Monitoring

Project Location :

Lot ID: 233404

Date Received : Jan 13, 2023

Date Reported : Feb 02, 2023

Report Number : 2557948-1

Page 6 of 8

Sample Number	233404-3
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด 47P 0735154E , 1410700N)
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	0.50	1.39	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
m,p-Xylene	12/01/23 - 13/01/23	ug/m3	1.50	4.34	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methacrolein	12/01/23 - 13/01/23	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methanol	12/01/23 - 13/01/23	ug/m3	0.20	0.66	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Ethyl Ketone	12/01/23 - 13/01/23	ug/m3	0.50	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Iodide	12/01/23 - 13/01/23	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Isobutyl Ketone	12/01/23 - 13/01/23	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl tert butyl ether	12/01/23 - 13/01/23	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Vinyl Ketone	12/01/23 - 13/01/23	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
o-Xylene	12/01/23 - 13/01/23	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Pentanal	12/01/23 - 13/01/23	ug/m3	0.50	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

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Client : RIL 1996 Co., Ltd.

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 233404

Date Received : Jan 13, 2023

Date Reported : Feb 02, 2023

Report Number : 2557948-1

Page 7 of 8

Sample Number	233404-3
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด 47P 0735154E , 1410700N)
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	0.50	1.48	4.13	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propanal	12/01/23 - 13/01/23	ug/m3	0.50	1.19	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	12/01/23 - 13/01/23	ug/m3	0.30	0.86	3.20	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Styrene	12/01/23 - 13/01/23	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Tetrachloroethylene	12/01/23 - 13/01/23	ug/m3	0.11	0.34	Not Detected	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	12/01/23 - 13/01/23	ug/m3	0.60	1.88	2.11	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,2-Dichloroethene	12/01/23 - 13/01/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,3-Dichloropro pene	12/01/23 - 13/01/23	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Trichloroethylene	12/01/23 - 13/01/23	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	12/01/23 - 13/01/23	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Vinyl Acetate	12/01/23 - 13/01/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

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Senior Manager

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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 Monitoring

Project Location :

Lot ID: 233404

Date Received : Jan 13, 2023

Date Reported : Feb 02, 2023

Report Number : 2557948-1

Page 8 of 8

Sample Number	233404-3
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด 47P 0735154E , 1410700N)
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	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).

Note : This Analysis test report is issued to supersede report No.2548146-1, Date Reported : Jan 20, 2023 due to revise analytical information.

Sampled By : Satcha Phetsawaeng

Remark :

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

Approved by

Dej Changchon
Senior Manager

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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 Monitoring

Project Location :

Lot ID: 2312421

cate Reveiled : Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Ddb57994l

Page 15 of 70

Sample Number	D31D7D14B
Sampled Date	Je2 0D, D0D3
Sample Description	Air f uality
Location	mTTOC QH75m053b1b7E , 1710500- G
Date Analysis Commenced	Je2 05, D0D3
Condition of Sample	crawn into one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1,4-tetrachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.90	D.53	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong	
1,1,1,2,2,4-hexachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.10	0.37	- ot c etevted 83	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong	
1,1,1,2,2,4,4,4-octachloroethane	0D/0D/3 403/0D/3	ug/N 3	1.00	3.83	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong	
1,1,1,2,2,4-tetrachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.90	D.53	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong	
1,1,2,2,3,3-hexachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.50	D.0D	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong	
1,1,2,2,3,3,4,4-octachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.50	1.98	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong	
1,1,2,2,3,3,4,4,5-octachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.80	D.76	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong	
1,1,2,2,3,3,4,4,5,5-octachloroethane	0D/0D/3 403/0D/3	ug/N 3	1.00	3.51	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong	
1,1,2,2,3,3,4,4,5,5,6-nonachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.80	D.76	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong	
1,1,2,2,3,3,4,4,5,5,6,6-nonachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.10	0.38	- ot c etevted 350	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong	
1,1,2,2,3,3,4,4,5,5,6,6,7-nonachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.00	0.60	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong	

Approved by

c e< Changvhn
Benior Manager

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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 Monitoring

Project Location :

Lot ID: 2312421

cate Reveiled : Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Ddb57994l

Page 18 of 70

Sample Number	D31D7D14B
Sampled Date	Je2 0D, D0D3
Sample Description	Air f uality
Location	mTTOC QH75m053b1b7E , 1710500- G
Date Analysis Commenced	Je2 05, D0D3
Condition of Sample	crawn into one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1,2,2,4-tetrachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.05	0.00	0.05	78	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
1,1,1,2,2,4,4,4-octachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.08	0.03	x 0.03	8D	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
1,1,1,2,2,4,4,4,5-octachloroethane	0D/0D/3 403/0D/3	ug/N 3	1.00	3.00	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong	
1,1,1,2,2,4,4,4,5,5-octachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.80	D.76	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong	
1,1,2,2,3,3,4,4,5-octachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.07	0.11	1.0D	b.3	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
1,1,2,2,3,3,4,4,5,5-octachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.00	0.60	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong	
1,1,2,2,3,3,4,4,5,5,6-nonachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.00	0.60	- ot c etevted 1100	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong	
1,1,2,2,3,3,4,4,5,5,6,6-nonachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.10	0.36	- ot c etevted 860	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong	
1,1,2,2,3,3,4,4,5,5,6,6,7-nonachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.00	0.00	D.36	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
1,1,2,2,3,3,4,4,5,5,6,6,7,7-nonachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.70	1.03	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong	
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8-nonachloroethane	0D/0D/3 403/0D/3	ug/N 3	0.50	D.0b	x D.0b	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong

Approved by

c e< Changvhn
Benior Manager

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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 Monitoring

Project Location :

Lot ID: 2312421

cate Reveiled : Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Dbb57994l

Page 19 of 70

Sample Number	D31D7D14B
Sampled Date	Je2 0D, D0D3
Sample Description	Air f uality
Location	mTTOC QmTm 75m053b1b7E , 1710500- G
Date Analysis Commenced	Je2 05, D0D3
Condition of Sample	crawn into one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Dmentanone	0D/0D/3 403/0D/3	ug/N 3	0.60	1.56	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4		Rayong
Dtropolanol	0D/0D/3 403/0D/3	ug/N 3	0.70	1.D3	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4		Rayong
34Hezanone	0D/0D/3 403/0D/3	ug/N 3	0.50	D.0b	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4		Rayong
34mentanone	0D/0D/3 403/0D/3	ug/N 3	0.60	1.56	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4		Rayong
Avetaldehyde	0D/0D/3 403/0D/3	ug/N 3	0.0b	0.18	3.73	860	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
Avetone	0D/0D/3 403/0D/3	ug/N 3	0.08	0.D7	1b.63	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Avetonitrile	0D/0D/3 403/0D/3	ug/N 3	0.30	0.87	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4		Rayong
Avrolein	0D/0D/3 403/0D/3	ug/N 3	0.08	0.D3	0.76	0.bb	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
Avrylonitrile	0D/0D/3 403/0D/3	ug/N 3	0.05	0.DD	0.6b	10	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
(enSene	0D/0D/3 403/0D/3	ug/N 3	0.0b	0.16	7.71	5.6	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
(enSyl Chloride	0D/0D/3 403/0D/3	ug/N 3	0.15	0.bD	- ot c etevted 1D	(ased on) B EnA CoN pendiuN Method, TU41b	mCc		Rayong

Approved by

D. Chavhion

c e< Changvhon
Benior Manager

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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 Monitoring

Project Location :

Lot ID: 2312421

cate Reveiled : Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Dbb57994l

Page D0 of 70

Sample Number	D31D7D14B
Sampled Date	Je2 0D, D0D3
Sample Description	Air f uality
Location	mTTOC QmTm 75m053b1b7E , 1710500- G
Date Analysis Commenced	Je2 05, D0D3
Condition of Sample	crawn into one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
(roN odivhloroN ethane	0D/0D/3 403/0D/3	ug/N 3	1.00	3.3b	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4		Rayong
(roN oRrN	0D/0D/3 403/0D/3	ug/N 3	1.00	b.15	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4		Rayong
(roN oN ethane	0D/0D/3 403/0D/3	ug/N 3	0.06	0.19	x 0.19	190	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
(utanal	0D/0D/3 403/0D/3	ug/N 3	0.79	1.75	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4		Rayong
Car2on c isulRde	0D/0D/3 403/0D/3	ug/N 3	0.0b	0.16	x 0.16	100	(ased on) B EnA CoN pendiuN Method, TU41b	- E(	Rayong
Car2on Tetravhloride	0D/0D/3 403/0D/3	ug/N 3	0.10	0.31	x 0.31	1b0	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
Chloro2enSene	0D/0D/3 403/0D/3	ug/N 3	0.80	D.30	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4		Rayong
ChlorodiRuoroN ethane QHCl C4DDG	0D/0D/3 403/0D/3	ug/N 3	0.60	1.55	x 1.55	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Chloroethane	0D/0D/3 403/0D/3	ug/N 3	0.70	1.3D	- ot c etevted - o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4		Rayong
ChloroRrN	0D/0D/3 403/0D/3	ug/N 3	0.08	0.D7	x 0.D7	b5	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
ChloroN ethane	0D/0D/3 403/0D/3	ug/N 3	0.30	1.03	1.98	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong

Approved by

D. Chavhion

c e< Changvhon
Benior Manager

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Client : RIL 1996 Co., Ltd.

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2312421

cate Reveiled : Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Dbb57994l

Page D1 of P70

Sample Number	D31D7D14B
Sampled Date	Je2 0D, D0D3
Sample Description	Air f uality
Location	mTTOC QmTm 75m053b1b7E , 1710500- G
Date Analysis Commenced	Je2 05, D0D3
Condition of Sample	crawn into one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
vis4l,D4c ivhloroethene	0D/0D/3 403/0D/3	ug/N 3	0.50	1.98	- ot c etevted - o	Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
vis4l,34c ivhloropropene	0D/0D/3 403/0D/3	ug/N 3	0.80	D.D5	- ot c etevted - o	Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
Cyvhoezane	0D/0D/3 403/0D/3	ug/N 3	0.60	1.5D	x 1.5D	- o	Btandard (ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
Cyvpentane	0D/0D/3 403/0D/3	ug/N 3	0.b0	1.73	x 1.73	- o	Btandard (ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
c ivhlorodiRuoroN ethane QJ C4l1DG	0D/0D/3 403/0D/3	ug/N 3	0.80	D.75	3.05	- o	Btandard (ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
c ivhloroN ethane	0D/0D/3 403/0D/3	ug/N 3	0.06	0.15	0.63	D10	(ased on) B EnA CoN pendiuN Method, TU4lb	mCc	Rayong
Ethanol	0D/0D/3 403/0D/3	ug/N 3	0.30	0.97	8.78	- o	Btandard (ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
Ethyl (enSene	0D/0D/3 403/0D/3	ug/N 3	0.50	D.15	- ot c etevted - o	Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
Hezanal	0D/0D/3 403/0D/3	ug/N 3	0.60	D.0b	- ot c etevted - o	Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
Hezane	0D/0D/3 403/0D/3	ug/N 3	0.60	1.56	3.60	- o	Btandard (ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
Iso2utene	0D/0D/3 403/0D/3	ug/N 3	0.70	1.1b	6.D9	- o	Btandard (ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong

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c e< Changvhon
Benior Manager

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P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2312421

cate Reveiled : Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Dbb57994l

Page D2 of P70

Sample Number	D31D7D14B
Sampled Date	Je2 0D, D0D3
Sample Description	Air f uality
Location	mTTOC QmTm 75m053b1b7E , 1710500- G
Date Analysis Commenced	Je2 05, D0D3
Condition of Sample	crawn into one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	0D/0D/3 403/0D/3	ug/N 3	0.b0	1.39	x 1.39	- o	Btandard (ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
N,pq ylene	0D/0D/3 403/0D/3	ug/N 3	1.b0	7.37	- ot c etevted - o	Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
Methavrolein	0D/0D/3 403/0D/3	ug/N 3	0.b0	1.73	- ot c etevted - o	Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
Methanol	0D/0D/3 403/0D/3	ug/N 3	0.D0	0.66	1.36	- o	Btandard (ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
Methyl Ethyl Xetone	0D/0D/3 403/0D/3	ug/N 3	0.b0	1.75	1.b9	- o	Btandard (ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
Methyl Iodide	0D/0D/3 403/0D/3	ug/N 3	0.90	D.90	- ot c etevted - o	Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
Methyl Iso2utyl Xetone	0D/0D/3 403/0D/3	ug/N 3	0.50	D.0b	- ot c etevted - o	Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
Methyl tert 2utyl ether	0D/0D/3 403/0D/3	ug/N 3	0.60	1.80	- ot c etevted - o	Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
Methyl Kinyl Xetone	0D/0D/3 403/0D/3	ug/N 3	0.b0	1.73	x 1.73	- o	Btandard (ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
oq ylene	0D/0D/3 403/0D/3	ug/N 3	0.50	D.15	- ot c etevted - o	Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
mentanal	0D/0D/3 403/0D/3	ug/N 3	0.b0	1.56	- ot c etevted - o	Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong

Approved by

c e< Changvhon
Benior Manager

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P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2312421

cate Reveifed : Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Dbb57994l

Page D3 of P70

Sample Number	D31D7D14B
Sampled Date	Je2 0D, D0D3
Sample Description	Air f uality
Location	mTTOC QmM 75m053b1b7E , 1710500- G
Date Analysis Commenced	Je2 05, D0D3
Condition of Sample	crawn into one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
mentane	0D/0D/03 403/0D/03	ug/N 3	0.b0	1.78	17.50	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
mropanal	0D/0D/03 403/0D/03	ug/N 3	0.b0	1.19	1.D8	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
mropene QmropyleneG	0D/0D/03 403/0D/03	ug/N 3	0.30	0.86	13.76	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Btyrene	0D/0D/03 403/0D/03	ug/N 3	0.50	D.13	- ot c etevtd	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Tetravhloroethylene	0D/0D/03 403/0D/03	ug/N 3	0.11	0.37	- ot c etevtd 700		(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
Toluene	0D/0D/03 403/0D/03	ug/N 3	0.60	1.88	x 1.88	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
trans4l,D4t ivhloroethene	0D/0D/03 403/0D/03	ug/N 3	0.50	1.98	- ot c etevtd	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
trans4l,34t ivhloropropene	0D/0D/03 403/0D/03	ug/N 3	0.80	D.D5	- ot c etevtd	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Trivhloroethylene	0D/0D/03 403/0D/03	ug/N 3	0.09	0.D5	- ot c etevtd 130		(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
TrivhloroRuoroN ethane Q411G	0D/0D/03 403/0D/03	ug/N 3	0.90	D.81	x D.81	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Kinyl Avetate	0D/0D/03 403/0D/03	ug/N 3	0.60	1.56	- ot c etevtd	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong

Approved by

D. Chavghon

c e< Changvhon
Benior Manager

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Analysis / Test Report

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2312421

cate Reveifed : Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Dbb57994l

Page D7 of P70

Sample Number	D31D7D14B
Sampled Date	Je2 0D, D0D3
Sample Description	Air f uality
Location	mTTOC QmM 75m053b1b7E , 1710500- G
Date Analysis Commenced	Je2 05, D0D3
Condition of Sample	crawn into one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Kinyl Chloride	0D/0D/03 403/0D/03	ug/N 3	0.07	0.13	1.1D	D0	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong

Guideline :

- E(: - otivRation oP- ational EnFironNent (oard, (.E. Db60 Q0015G

mCc : - otivRation oPthe mllution Control c epartNent, whivh was pu2lished in the Royal OoFernNent OaSette Kol. 1D6 Bpevial mart 13 c dated Vauary D5, (.E. DbbD Q009G

Sampled By : - orranon TathongkhaN

ReNark :

- LUC : LIN it oPc etevtion

- "x" : Lower than LUF QIN it oPf uantitationG/ LUR QIN it oPReportingG

Approved by

D. Chavghon

c e< Changvhon
Benior Manager

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Client : RIL 1996 Co., Ltd.

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2321434

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF8J6bl

- age 1F oNn0

Sample Number	J3J1n8nt8
Sampled Date	Mar 03, 2013
Sample Description	Air Puality
Location	- TTSC ฟักัด nF- 0F3v1vnE , 1m10F005Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2rawn into one 6bl Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1b1riChloroethane	01/03/13 b03/03/13	ug/7 3	0.90	J.F3	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,1,1,1b1etraChloroethane	01/03/13 b03/03/13	ug/7 3	0.10	0.3m	5ot 2eteDted 83		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,1,1b1riChlorob1,1,1b1riNuoroethane	01/03/13 b03/03/13	ug/7 3	1.00	3.83	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,1,1b1riChloroethane	01/03/13 b03/03/13	ug/7 3	0.90	J.F3	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,1b2iChloroethane	01/03/13 b03/03/13	ug/7 3	0.F0	J.0J	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,1b2iChloroethene	01/03/13 b03/03/13	ug/7 3	0.F0	1.98	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3,3b1ri7 ethyl4enUene	01/03/13 b03/03/13	ug/7 3	0.80	J.n6	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3,ntb1riChloro4enUene	01/03/13 b03/03/13	ug/7 3	1.J0	3.F1	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3,ntb1ri7 ethyl4enUene	01/03/13 b03/03/13	ug/7 3	0.80	J.n6	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3b2i4ro7 oethane	01/03/13 b03/03/13	ug/7 3	0.10	0.38	5ot 2eteDted 3F0		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,3b2iChloro4enUene	01/03/13 b03/03/13	ug/7 3	0.J0	0.60	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong

Approved by

Zee ChangDhon
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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 Monitoring

Project Location :

Lot ID: 2321434

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF8J6bl

- age 18 oNn0

Sample Number	J3J1n8nt8
Sampled Date	Mar 03, 2013
Sample Description	Air Puality
Location	- TTSC ฟักัด nF- 0F3v1vnE , 1m10F005Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2rawn into one 6bl Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1b2iChloroethane	01/03/13 b03/03/13	ug/7 3	0.0F	0.J0	<0.J0	n8	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,1b2iChloropropane	01/03/13 b03/03/13	ug/7 3	0.08	0.J3	5ot 2eteDted 8J		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,1b2iChlorotetrafluoroethane	01/03/13 b03/03/13	ug/7 3	1.J0	3.v0	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3,3b1ri7 ethyl4enUene	01/03/13 b03/03/13	ug/7 3	0.80	J.n6	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3bGutadiene	01/03/13 b03/03/13	ug/7 3	0.0m	0.11	<0.11	v.3	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,3b2iChloro4enUene	01/03/13 b03/03/13	ug/7 3	0.J0	0.60	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,ntb2iChloro4enUene	01/03/13 b03/03/13	ug/7 3	0.J0	0.60	5ot 2eteDted 1100		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,ntb2ioCane	01/03/13 b03/03/13	ug/7 3	0.10	0.36	5ot 2eteDted 860		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1bGutanol	01/03/13 b03/03/13	ug/7 3	0.v0	1.vJ	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1b-ropanol	01/03/13 b03/03/13	ug/7 3	0.m0	1.J3	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1bHeCanone	01/03/13 b03/03/13	ug/7 3	0.F0	J.0v	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong

Approved by

Zee ChangDhon
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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 Monitoring

Project Location :

Lot ID: 2321434

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF8J6bl

- age 19 oNn0

Sample Number	J3J1n8nt8
Sampled Date	Mar 03, 2013
Sample Description	Air Puality
Location	- TTSC ฟักัด nF- 0F3v1vnE , 1m10F005Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2rawn into one 6bl Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Jb-entanone	01/03/13 b03/03/13	ug/7 3	0.60	1.F6	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Jb-ropanol	01/03/13 b03/03/13	ug/7 3	0.m0	1.J3	<1.J3 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
3Hecanone	01/03/13 b03/03/13	ug/7 3	0.F0	J.ov	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
3b-entanone	01/03/13 b03/03/13	ug/7 3	0.60	1.F6	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ADetaldehyde	01/03/13 b03/03/13	ug/7 3	0.0v	0.18	3.F3 860		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
ADetone	01/03/13 b03/03/13	ug/7 3	0.08	0.Jm	11.83 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ADetonitrile	01/03/13 b03/03/13	ug/7 3	0.30	0.8m	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ADrolein	01/03/13 b03/03/13	ug/7 3	0.08	0.J3	<0.J3 0.vv		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
ADrylonitrile	01/03/13 b03/03/13	ug/7 3	0.0F	0.JJ	5ot 2eteDted 10		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
GenUene	01/03/13 b03/03/13	ug/7 3	0.0v	0.16	J.30 F.6		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
GenUyl Chloride	01/03/13 b03/03/13	ug/7 3	0.1F	0.vJ	5ot 2eteDted 1J		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong

Approved by

D. Chong

Zez ChangDhon
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P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2321434

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF8J6bl

- age 10 oNn0

Sample Number	J3J1n8nt8
Sampled Date	Mar 03, 2013
Sample Description	Air Puality
Location	- TTSC ฟักัด nF- 0F3v1vnE , 1m10F005Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2rawn into one 6bl Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Gro7 odiChloro7 ethane	01/03/13 b03/03/13	ug/7 3	1.00	3.3v	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Gro7 oNr7	01/03/13 b03/03/13	ug/7 3	1.00	v.1F	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Gro7 o7 ethane	01/03/13 b03/03/13	ug/7 3	0.06	0.19	0.J3 190		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
Gutanal	01/03/13 b03/03/13	ug/7 3	0.m9	1.nF	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Car4on 2isulNide	01/03/13 b03/03/13	ug/7 3	0.0v	0.16	5ot 2eteDted 100		Gased on () E-A Co7 pendiu7 Method, TBblv	5EG	Rayong
Car4on TetraChloride	01/03/13 b03/03/13	ug/7 3	0.10	0.31	<0.31 1v0		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
Chloro4enUene	01/03/13 b03/03/13	ug/7 3	0.80	J.30	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ChlorodiNuoro7 ethane fHCxCbl JQ	01/03/13 b03/03/13	ug/7 3	0.60	1.FF	<1.FF 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Chloroethane	01/03/13 b03/03/13	ug/7 3	0.m0	1.J3	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ChloroNr7	01/03/13 b03/03/13	ug/7 3	0.08	0.Jm	<0.Jm vF		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
Chloro7 ethane	01/03/13 b03/03/13	ug/7 3	0.30	1.03	1.6F 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong

Approved by

D. Chong

Zez ChangDhon
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P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2321434

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF8J6bl

Sample Number J3J1n8nt8
Sampled Date Mar 03, 2013
Sample Description Air Puality
Location - TTSC ฟักัด นF- 0F3v1vnE , 1m10F005Q
Date Analysis Commenced Mar 09, 2013
Condition of Sample 2rawn into one 6bl Canister

- age 11 onn0

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Dstl, Jb2 iChloroethene	01/03/13 b03/03/13	ug/7 3	0.F0	1.98	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Dstl, 3b2 iChloropropene	01/03/13 b03/03/13	ug/7 3	0.80	J.JF	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
CyDoheCane	01/03/13 b03/03/13	ug/7 3	0.60	1.FJ	<1.FJ 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
CyDopentane	01/03/13 b03/03/13	ug/7 3	0.v0	1.m8	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
2iChlorodiNuoro7 ethane fCxblJ1Q	01/03/13 b03/03/13	ug/7 3	0.80	J.nF	<J.nF 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
2iChloro7 ethane	01/03/13 b03/03/13	ug/7 3	0.06	0.1F	1.Jv J10		Gased on () E- A Co7 pendiu7 Method, TBblv	- C2	Rayong
Ethanol	01/03/13 b03/03/13	ug/7 3	0.30	0.9m	6.F3 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Ethyl GenUene	01/03/13 b03/03/13	ug/7 3	0.F0	J.1F	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
HeCanal	01/03/13 b03/03/13	ug/7 3	0.60	J.0v	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
HeCane	01/03/13 b03/03/13	ug/7 3	0.60	1.F6	<1.F6 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Iso4utene	01/03/13 b03/03/13	ug/7 3	0.m0	1.1v	<1.1v 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong

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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 Monitoring

Project Location :

Lot ID: 2321434

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF8J6bl

Sample Number J3J1n8nt8
Sampled Date Mar 03, 2013
Sample Description Air Puality
Location - TTSC ฟักัด นF- 0F3v1vnE , 1m10F005Q
Date Analysis Commenced Mar 09, 2013
Condition of Sample 2rawn into one 6bl Canister

- age 11 onn0

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	01/03/13 b03/03/13	ug/7 3	0.v0	1.39	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
7 ,ptj ylene	01/03/13 b03/03/13	ug/7 3	1.v0	m3m	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
MethaDrolein	01/03/13 b03/03/13	ug/7 3	0.v0	1.m8	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methanol	01/03/13 b03/03/13	ug/7 3	0.J0	0.66	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl Ethyl Xetone	01/03/13 b03/03/13	ug/7 3	0.v0	1.nF	<1.nF 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl Iodide	01/03/13 b03/03/13	ug/7 3	0.90	J.90	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl Iso4utyl Xetone	01/03/13 b03/03/13	ug/7 3	0.F0	J.0v	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl tert 4utyl ether	01/03/13 b03/03/13	ug/7 3	0.60	1.80	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl Kinyl Xetone	01/03/13 b03/03/13	ug/7 3	0.v0	1.m8	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
otj ylene	01/03/13 b03/03/13	ug/7 3	0.F0	J.1F	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
- entanal	01/03/13 b03/03/13	ug/7 3	0.v0	1.F6	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong

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Client : RIL 1996 Co., Ltd.

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2321434

2ate ReDeiced : Mar 03, 2013

2ate Reported : Mar 16, 2013

Report Su7 4er : JvFF8J6bl

- age J3 oNn0

Sample Number	J3J1n8nt8
Sampled Date	Mar 03, 2013
Sample Description	Air Puality
Location	- TTSC ฟักัด nF- 0F3v1vnE , 1m10F005Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2rawn into one 6bl Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
- entane	01/03/13 b03/03/13	ug/7 3	0.v0	1.n8	6.91	5o)tandard	Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
- ropanal	01/03/13 b03/03/13	ug/7 3	0.v0	1.19	<1.19	5o)tandard	Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
- ropene f- ropyleneQ	01/03/13 b03/03/13	ug/7 3	0.30	0.86	3.98	5o)tandard	Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
) tyrene	01/03/13 b03/03/13	ug/7 3	0.F0	J.13	5ot 2eteDted 5o)tandard	Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong	
TetraChloroethylene	01/03/13 b03/03/13	ug/7 3	0.11	0.3m	5ot 2eteDted n00	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong	
Toluene	01/03/13 b03/03/13	ug/7 3	0.60	1.88	3.J8	5o)tandard	Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
transbl, Jb2iDhloroethene	01/03/13 b03/03/13	ug/7 3	0.F0	1.98	5ot 2eteDted 5o)tandard	Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong	
transbl, 3b2iDhloropropene	01/03/13 b03/03/13	ug/7 3	0.80	J.JF	5ot 2eteDted 5o)tandard	Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong	
TriDhloroethylene	01/03/13 b03/03/13	ug/7 3	0.09	0.JF	5ot 2eteDted 130	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong	
TriDhloroNuoro7 ethane fxb11Q	01/03/13 b03/03/13	ug/7 3	0.90	J.81	<J.81	5o)tandard	Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Kinyl ADetate	01/03/13 b03/03/13	ug/7 3	0.60	1.F6	5ot 2eteDted 5o)tandard	Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong	

Approved by

Zee ChangDhon
enior Manager

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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 Monitoring

Project Location :

Lot ID: 2321434

2ate ReDeiced : Mar 03, 2013

2ate Reported : Mar 16, 2013

Report Su7 4er : JvFF8J6bl

- age JmoNn0

Sample Number	J3J1n8nt8
Sampled Date	Mar 03, 2013
Sample Description	Air Puality
Location	- TTSC ฟักัด nF- 0F3v1vnE , 1m10F005Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2rawn into one 6bl Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Kinyl Chloride	01/03/13 b03/03/13	ug/7 3	0.0m	0.13	<0.13	J0	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong

Guideline :

5EG : 5otiNDation oN5ational Enciron7 ent Goard, G.E. Jv60 fJ01FQ

-C2 : 5otiNDation oNthe - ollution Control 2epart7 ent, whiDh was pu7lished in the Royal Socern7 ent SaUette Kol. 116)peDal - art 13 2 dated Vauary JF,

G.E. JvvJ fJ009Q

Sampled By : - uwanart - i7 pan

Re7 ark :

- LB2 : L17 it oN2 eteDtion

- "<" : Lower than LBP fli7 it oNPuantitationQ/ LBR fli7 it oNReportingQ

Approved by

Zee ChangDhon
enior Manager

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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 Monitoring

Project Location :

Lot ID: 2334225

Date Received : Apr 04, 2023

Date Reported : Apr 10, 2023

Report Number : 2605296-1

Page 17 of 40

Sample Number	2334225-3
Sampled Date	Apr 03, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ที่ 47P 0735154E , 1410700N)
Date Analysis Commenced	Apr 06, 2023
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	03/04/23 - 04/04/23	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloroethane	03/04/23 - 04/04/23	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	03/04/23 - 04/04/23	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	03/04/23 - 04/04/23	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	03/04/23 - 04/04/23	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	03/04/23 - 04/04/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	03/04/23 - 04/04/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	03/04/23 - 04/04/23	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trimethylbenzene	03/04/23 - 04/04/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	03/04/23 - 04/04/23	ug/m3	0.10	0.38	Not Detected	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	03/04/23 - 04/04/23	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

N. Banachonkit

Narumon Banachonkit
Supervisor

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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 Monitoring

Project Location :

Lot ID: 2334225

Date Received : Apr 04, 2023

Date Reported : Apr 10, 2023

Report Number : 2605296-1

Page 18 of 40

Sample Number	2334225-3
Sampled Date	Apr 03, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ที่ 47P 0735154E , 1410700N)
Date Analysis Commenced	Apr 06, 2023
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	03/04/23 - 04/04/23	ug/m3	0.07	0.20	Not Detected	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	03/04/23 - 04/04/23	ug/m3	0.08	0.23	Not Detected	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	03/04/23 - 04/04/23	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	03/04/23 - 04/04/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3-Butadiene	03/04/23 - 04/04/23	ug/m3	0.04	0.11	0.22	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	03/04/23 - 04/04/23	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	03/04/23 - 04/04/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	03/04/23 - 04/04/23	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	03/04/23 - 04/04/23	ug/m3	0.50	1.52	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1-Propanol	03/04/23 - 04/04/23	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Hexanone	03/04/23 - 04/04/23	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

N. Banachonkit

Narumon Banachonkit
Supervisor

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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID: 2334225

Date Received : Apr 04, 2023

Date Reported : Apr 10, 2023

Report Number : 2605296-1

Page 19 of 40

Sample Number	2334225-3
Sampled Date	Apr 03, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด 47P 0735154E , 1410700N)
Date Analysis Commenced	Apr 06, 2023
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	03/04/23 - 04/04/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Propanol	03/04/23 - 04/04/23	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
3-Hexanone	03/04/23 - 04/04/23	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
3-Pentanone	03/04/23 - 04/04/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acetaldehyde	03/04/23 - 04/04/23	ug/m3	0.05	0.18	0.61	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	03/04/23 - 04/04/23	ug/m3	0.08	0.24	3.61	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acetonitrile	03/04/23 - 04/04/23	ug/m3	0.30	0.84	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acrolein	03/04/23 - 04/04/23	ug/m3	0.08	0.23	<0.23	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	03/04/23 - 04/04/23	ug/m3	0.07	0.22	<0.22	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	03/04/23 - 04/04/23	ug/m3	0.05	0.16	0.89	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	03/04/23 - 04/04/23	ug/m3	0.17	0.52	Not Detected	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

N. Banchoangkit

Narumon Banchoangkit
Supervisor

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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID: 2334225

Date Received : Apr 04, 2023

Date Reported : Apr 10, 2023

Report Number : 2605296-1

Page 20 of 40

Sample Number	2334225-3
Sampled Date	Apr 03, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด 47P 0735154E , 1410700N)
Date Analysis Commenced	Apr 06, 2023
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	03/04/23 - 04/04/23	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Bromoform	03/04/23 - 04/04/23	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Bromomethane	03/04/23 - 04/04/23	ug/m3	0.06	0.19	Not Detected	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	03/04/23 - 04/04/23	ug/m3	0.49	1.47	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Carbon Disulfide	03/04/23 - 04/04/23	ug/m3	0.05	0.16	0.50	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	03/04/23 - 04/04/23	ug/m3	0.10	0.31	<0.31	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	03/04/23 - 04/04/23	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chlorodifluoromethane (HCFC-22)	03/04/23 - 04/04/23	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chloroethane	03/04/23 - 04/04/23	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chloroform	03/04/23 - 04/04/23	ug/m3	0.08	0.24	<0.24	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	03/04/23 - 04/04/23	ug/m3	0.30	1.03	1.49	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

N. Banchoangkit

Narumon Banchoangkit
Supervisor

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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID: 2334225

Date Received : Apr 04, 2023

Date Reported : Apr 10, 2023

Report Number : 2605296-1

Page 21 of 40

Sample Number	2334225-3
Sampled Date	Apr 03, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด 47P 0735154E , 1410700N)
Date Analysis Commenced	Apr 06, 2023
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	03/04/23 - 04/04/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
cis-1,3-Dichloropropene	03/04/23 - 04/04/23	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Cyclohexane	03/04/23 - 04/04/23	ug/m3	0.60	1.72	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Cyclopentane	03/04/23 - 04/04/23	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Dichlorodifluoromethane (CFC-112)	03/04/23 - 04/04/23	ug/m3	0.80	2.47	<2.47	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Dichloromethane	03/04/23 - 04/04/23	ug/m3	0.06	0.17	<0.17	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	03/04/23 - 04/04/23	ug/m3	0.30	0.94	2.07	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Ethyl Benzene	03/04/23 - 04/04/23	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Hexanal	03/04/23 - 04/04/23	ug/m3	0.60	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Hexane	03/04/23 - 04/04/23	ug/m3	0.60	1.76	3.10	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Isobutene	03/04/23 - 04/04/23	ug/m3	0.40	1.15	4.04	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

N. Banchoangkit

Narumon Banchoangkit
Supervisor

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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID: 2334225

Date Received : Apr 04, 2023

Date Reported : Apr 10, 2023

Report Number : 2605296-1

Page 22 of 40

Sample Number	2334225-3
Sampled Date	Apr 03, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด 47P 0735154E , 1410700N)
Date Analysis Commenced	Apr 06, 2023
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	03/04/23 - 04/04/23	ug/m3	0.50	1.39	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
m,p-Xylene	03/04/23 - 04/04/23	ug/m3	1.50	4.34	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methacrolein	03/04/23 - 04/04/23	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methanol	03/04/23 - 04/04/23	ug/m3	0.20	0.66	2.02	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Ethyl Ketone	03/04/23 - 04/04/23	ug/m3	0.50	1.47	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Iodide	03/04/23 - 04/04/23	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Isobutyl Ketone	03/04/23 - 04/04/23	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl tert butyl ether	03/04/23 - 04/04/23	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Vinyl Ketone	03/04/23 - 04/04/23	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
o-Xylene	03/04/23 - 04/04/23	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Pentanal	03/04/23 - 04/04/23	ug/m3	0.50	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

N. Banchoangkit

Narumon Banchoangkit
Supervisor

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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID: 2334225

Date Received : Apr 04, 2023

Date Reported : Apr 10, 2023

Report Number : 2605296-1

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Sample Number	2334225-3
Sampled Date	Apr 03, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด 47P 0735154E , 1410700N)
Date Analysis Commenced	Apr 06, 2023
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	03/04/23 - 04/04/23	ug/m3	0.50	1.48	3.25	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propanal	03/04/23 - 04/04/23	ug/m3	0.50	1.19	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	03/04/23 - 04/04/23	ug/m3	0.30	0.86	11.26	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Styrene	03/04/23 - 04/04/23	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Tetrachloroethylene	03/04/23 - 04/04/23	ug/m3	0.11	0.34	Not Detected	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	03/04/23 - 04/04/23	ug/m3	0.60	1.88	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,2-Dichloroethene	03/04/23 - 04/04/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,3-Dichloropropene	03/04/23 - 04/04/23	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Trichloroethylene	03/04/23 - 04/04/23	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Trichlorofluoromethane (F-11)	03/04/23 - 04/04/23	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Vinyl Acetate	03/04/23 - 04/04/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

N. Banchongkit

Narumon Banchongkit
Supervisor

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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 Monitoring

Project Location :

Lot ID: 2334225

Date Received : Apr 04, 2023

Date Reported : Apr 10, 2023

Report Number : 2605296-1

Page 24 of 40

Sample Number	2334225-3
Sampled Date	Apr 03, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด 47P 0735154E , 1410700N)
Date Analysis Commenced	Apr 06, 2023
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	03/04/23 - 04/04/23	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 : Natthawut Duangpang

Remark :

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

Approved by

N. Banchongkit

Narumon Banchongkit
Supervisor

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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 Monitoring

Project Location :

Lot ID: 2346430

4ate ReDeiced : May 03, 2023

4ate Reported : May 10, 2023

Report 5uN ner : 2632v33-1

Page 1v obf0

Sample Number	23f 6f 30-3
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ลล f vP 0v3QlQ E , 1f 10v0057
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn 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	02/0Q/23 - 03/0Q/23	ug/N 3	0.90	2.v3	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
1,1,2,2-TetraChloroethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.10	0.3f	5ot 4eteDted 83		) ased on BU EPA CoN pendiuN Method, TS -10	PC4	Rayong
1,1,2-Trichloro-1,2,2-Triduoroethane	02/0Q/23 - 03/0Q/23	ug/N 3	1.00	3.83	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
1,1,2-Trichloroethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.90	2.v3	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
1,1-4idChloroethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.02	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
1,1-4idChloroethene	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	1.98	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
1,2,3-TriN ethylmrenzene	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.f 6	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
1,2,f -TriChloromnzenene	02/0Q/23 - 03/0Q/23	ug/N 3	1.20	3.v1	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
1,2,f -TriN ethylmrenzene	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.f 6	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
1,2-4imroNoethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.10	0.38	5ot 4eteDted 3v0		) ased on BU EPA CoN pendiuN Method, TS -10	PC4	Rayong
1,2-4idChloromnzenene	02/0Q/23 - 03/0Q/23	ug/N 3	0.20	0.60	5ot 4eteDted 5o	Utandard) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong

Approved by

N. Bangkit

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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID: 2346430

4ate ReDeiced : May 03, 2023

4ate Reported : May 10, 2023

Report 5uN ner : 2632v33-1

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Sample Number	23f 6f 30-3
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ลล f vP 0v3QlQ E , 1f 10v0057
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-4idChloroethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.0v	0.20	<0.20	f 8	) ased on BU EPA CoN pendiuN Method, TS -10	PC4	Rayong
1,2-4idChloropropane	02/0Q/23 - 03/0Q/23	ug/N 3	0.08	0.23	5ot 4eteDted 82		) ased on BU EPA CoN pendiuN Method, TS -10	PC4	Rayong
1,2-4idChlorotetraBruoetha ne	02/0Q/23 - 03/0Q/23	ug/N 3	1.20	3.00	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
1,3,0-TriN ethylmrenzene	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.f 6	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
1,3-) utadiene	02/0Q/23 - 03/0Q/23	ug/N 3	0.0f	0.11	0.v1	Q.3	) ased on BU EPA CoN pendiuN Method, TS -10	PC4	Rayong
1,3-4idChloromnzenene	02/0Q/23 - 03/0Q/23	ug/N 3	0.20	0.60	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
1,f -4idChloromnzenene	02/0Q/23 - 03/0Q/23	ug/N 3	0.20	0.60	5ot 4eteDted 1100		) ased on BU EPA CoN pendiuN Method, TS -10	PC4	Rayong
1,f -4ioxane	02/0Q/23 - 03/0Q/23	ug/N 3	0.10	0.36	5ot 4eteDted 860		) ased on BU EPA CoN pendiuN Method, TS -10	PC4	Rayong
1-) utanol	02/0Q/23 - 03/0Q/23	ug/N 3	0.00	1.02	f .91	5o	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
1-Propanol	02/0Q/23 - 03/0Q/23	ug/N 3	0.f 0	1.23	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
2-Hexanone	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.00	5ot 4eteDted 5o	Utandard) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong

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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 Monitoring

Project Location :

Lot ID: 2346430

date ReDeiced : May 03, 2023

date Reported : May 10, 2023

Report 5uN ner : 2632v33-1

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Sample Number	23f 6f 30-3
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ล f vP 0v3QlQ E , 1f 10v0057
Date Analysis Commenced	May 0f , 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.v6	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
2-Propanol	02/0Q/23 - 03/0Q/23	ug/N 3	0.f0	1.23	3.69	5o	) ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
3-Hexanone	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.00	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
3-Pentanone	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.v6	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
ADetaldehyde	02/0Q/23 - 03/0Q/23	ug/N 3	0.00	0.18	8.80	860	) ased on BU EPA CoN pendiuN Method, TS-10	PC4	Rayong
ADetone	02/0Q/23 - 03/0Q/23	ug/N 3	0.08	0.2f	11.12	5o	) ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
ADetonitrile	02/0Q/23 - 03/0Q/23	ug/N 3	0.30	0.8f	<0.8f	5o	) ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
ADrolein	02/0Q/23 - 03/0Q/23	ug/N 3	0.08	0.23	<0.23	0.00	) ased on BU EPA CoN pendiuN Method, TS-10	PC4	Rayong
ADrylonitrile	02/0Q/23 - 03/0Q/23	ug/N 3	0.0v	0.22	5ot 4eteDted 10		) ased on BU EPA CoN pendiuN Method, TS-10	PC4	Rayong
) enzene	02/0Q/23 - 03/0Q/23	ug/N 3	0.00	0.16	1.21	v.6	) ased on BU EPA CoN pendiuN Method, TS-10	PC4	Rayong
) enzyl Chloride	02/0Q/23 - 03/0Q/23	ug/N 3	0.1v	0.02	5ot 4eteDted 12) ased on BU EPA CoN pendiuN Method, TS-10	PC4	Rayong

Approved by

N. Bangkit

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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID: 2346430

date ReDeiced : May 03, 2023

date Reported : May 10, 2023

Report 5uN ner : 2632v33-1

Page 20 obf0

Sample Number	23f 6f 30-3
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ล f vP 0v3QlQ E , 1f 10v0057
Date Analysis Commenced	May 0f , 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
) roN odiChloroN ethane	02/0Q/23 - 03/0Q/23	ug/N 3	1.00	3.30	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
) roN otrN	02/0Q/23 - 03/0Q/23	ug/N 3	1.00	Q.1v	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
) roN oN ethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.06	0.19	<0.19	190	) ased on BU EPA CoN pendiuN Method, TS-10	PC4	Rayong
) utanal	02/0Q/23 - 03/0Q/23	ug/N 3	0.f9	1.f v	<1.f v	5o	) ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Carmon 4isulide	02/0Q/23 - 03/0Q/23	ug/N 3	0.00	0.16	5ot 4eteDted 100		) ased on BU EPA CoN pendiuN Method, TS-10	5E)	Rayong
Carmon TetraChloride	02/0Q/23 - 03/0Q/23	ug/N 3	0.10	0.31	<0.31	100	) ased on BU EPA CoN pendiuN Method, TS-10	PC4	Rayong
Chloromenzene	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.30	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
ChlorodiBuoroN ethane (HCFC-227	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.vv	<1.vv	5o	) ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Chloroethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.f0	1.32	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
ChlorotrN	02/0Q/23 - 03/0Q/23	ug/N 3	0.08	0.2f	<0.2f	0v	) ased on BU EPA CoN pendiuN Method, TS-10	PC4	Rayong
ChloroN ethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.30	1.03	1.98	5o) ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong

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N. Bangkit

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P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID: 2346430

date ReDeiced : May 03, 2023

date Reported : May 10, 2023

Report 5uN ner : 2632v33-1

Page 21 of 0

Sample Number	23f 6f 30-3
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด f vP 0v3QlQ E , 1f 10v0057
Date Analysis Commenced	May 0f , 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Dis-1,2-4iChloroethene	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	1.98	5ot 4eteDted 5o	Utandard	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Dis-1,3-4iChloropropene	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.2v	5ot 4eteDted 5o	Utandard	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
CyDohexane	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.v2	<1.v2	5o	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
CyDopentane	02/0Q/23 - 03/0Q/23	ug/N 3	0.00	1.f 3	5ot 4eteDted 5o	Utandard	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
4iDhlorodifluoroN ethane (CFC-1127	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.f v	3.06	5o	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
4iDhloroN ethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.06	0.1v	0.9v	210	)ased on BU EPA CoN pendiuN Method, TS-10	PC4	Rayong
Ethanol	02/0Q/23 - 03/0Q/23	ug/N 3	0.30	0.9f	Q92	5o	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Ethyl) enzene	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.1v	<2.1v	5o	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Hexanal	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	2.00	<2.00	5o	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Hexane	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.v6	<1.v6	5o	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Isomutene	02/0Q/23 - 03/0Q/23	ug/N 3	0.f 0	1.10	<1.10	5o)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong

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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID: 2346430

date ReDeiced : May 03, 2023

date Reported : May 10, 2023

Report 5uN ner : 2632v33-1

Page 22 of 0

Sample Number	23f 6f 30-3
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด f vP 0v3QlQ E , 1f 10v0057
Date Analysis Commenced	May 0f , 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	02/0Q/23 - 03/0Q/23	ug/N 3	0.00	1.39	5ot 4eteDted 5o	Utandard	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
N,p-Xylene	02/0Q/23 - 03/0Q/23	ug/N 3	1.00	f.3f	5ot 4eteDted 5o	Utandard	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
MethaDrolein	02/0Q/23 - 03/0Q/23	ug/N 3	0.00	1.f 3	5ot 4eteDted 5o	Utandard	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Methanol	02/0Q/23 - 03/0Q/23	ug/N 3	0.20	0.66	2.20	5o	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Methyl Ethyl Ketone	02/0Q/23 - 03/0Q/23	ug/N 3	0.00	1.f v	2.01	5o	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Methyl Iodide	02/0Q/23 - 03/0Q/23	ug/N 3	0.90	2.90	5ot 4eteDted 5o	Utandard	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Methyl Isomutyl Ketone	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.00	5ot 4eteDted 5o	Utandard	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Methyl tert mutyl ether	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.80	5ot 4eteDted 5o	Utandard	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Methyl Vinyl Ketone	02/0Q/23 - 03/0Q/23	ug/N 3	0.00	1.f 3	5ot 4eteDted 5o	Utandard	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
o-Xylene	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.1v	5ot 4eteDted 5o	Utandard	)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong
Pentanal	02/0Q/23 - 03/0Q/23	ug/N 3	0.00	1.v6	5ot 4eteDted 5o	Utandard)ased on BU EPA CoN pendiuN Method, TS-10	-	Rayong

Approved by

N. Bangkit

SaruN on) anHongkit

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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 Monitoring

Project Location :

Lot ID: 2346430

4ate ReDeiced : May 03, 2023

4ate Reported : May 10, 2023

Report 5uN ner : 2632v33-1

Page 23 obf0

Sample Number	23f 6f 30-3
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด f vP 0v3QlQf E , 1f 10v0057
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	02/0Q/23 - 03/0Q/23	ug/N 3	0.00	1.f 8	3.0v	5o Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
Propanal	02/0Q/23 - 03/0Q/23	ug/N 3	0.00	1.19	<1.19	5o Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
Propene (Propylene7	02/0Q/23 - 03/0Q/23	ug/N 3	0.30	0.86	6.23	5o Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
Utyrene	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.13	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
TetraChloroethylene	02/0Q/23 - 03/0Q/23	ug/N 3	0.11	0.3f	5ot 4eteDted f 00		) ased on BU EPA CoN pendiuN Method, TS -10	PC4	Rayong
Toluene	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.88	6.11	5o Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
trans-1,2-4iDhloroethene	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	1.98	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
trans-1,3-4iDhloropropene	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.2v	5ot 4eteDted 5o	Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
TriDhloroethylene	02/0Q/23 - 03/0Q/23	ug/N 3	0.09	0.2v	<0.2v	130	) ased on BU EPA CoN pendiuN Method, TS -10	PC4	Rayong
TriDhlorobuoroN ethane (F-117	02/0Q/23 - 03/0Q/23	ug/N 3	0.90	2.81	<2.81	5o Utandard	) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong
Vinyl ADetate	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.v6	5ot 4eteDted 5o	Utandard) ased on BU EPA CoN pendiuN Method, TS -10	-	Rayong

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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 Monitoring

Project Location :

Lot ID: 2346430

4ate ReDeiced : May 03, 2023

4ate Reported : May 10, 2023

Report 5uN ner : 2632v33-1

Page 2f obf0

Sample Number	23f 6f 30-3
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	PTTGC (พื้ด f vP 0v3QlQf E , 1f 10v0057
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	02/0Q/23 - 03/0Q/23	ug/N 3	0.0f	0.13	<0.13	20	) ased on BU EPA CoN pendiuN Method, TS -10	PC4	Rayong

Guideline :

5E) : 5otibDation ob5ational EncironNent) oard,).E. 2Q60 (201v7

PC4 : 5otibDation obthe Pollution Control 4epartNent, whiDh was puntished in the Royal GocernNent Gazette Vol. 126 UpeDial Part 13 4 dated January 2v,

).E. 2002 (20097.

Sampled By : Puwanart PIN pan

ReNark :

- LS4 : LIN it ob4eteDtion

- "<" : Lower than LSQ (LIN it obQuantitation7/ LSR (LIN it obReporting7

Approved by

N. Bangkit

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355746

vate ReFeibed : cun 02, 2023

vate Reported : cun 08, 2023

Report 7u4 - er : 2652852J1

Page 1P oNn0

Sample Number	2355Pn6J3
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ETTOC Qñññ nPE 0P3515nD, 1m10P007G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1TriFloroethane	01/06/23 J 02/06/23	ug/4 3	0.90	2.P3	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
1,1,2,2TetraFloroethane	01/06/23 J 02/06/23	ug/4 3	0.10	0.3m	7ot v etePted 83		(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
1,1,2TriFloroJ1,2,2TriFluoroethane	01/06/23 J 02/06/23	ug/4 3	1.00	3.83	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
1,1,2TriFloroethane	01/06/23 J 02/06/23	ug/4 3	0.90	2.P3	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
1,1ViFloroethane	01/06/23 J 02/06/23	ug/4 3	0.P0	2.02	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
1,1ViFloroethene	01/06/23 J 02/06/23	ug/4 3	0.P0	1.98	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
1,2,3Tri4 ethyl- enSene	01/06/23 J 02/06/23	ug/4 3	0.80	2.n6	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
1,2,nTriFloro- enSene	01/06/23 J 02/06/23	ug/4 3	1.20	3.P1	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
1,2,nTri4 ethyl- enSene	01/06/23 J 02/06/23	ug/4 3	0.80	2.n6	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
1,2Vi- ro4 oethane	01/06/23 J 02/06/23	ug/4 3	0.10	0.38	7ot v etePted 3P0		(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
1,2ViFloro- enSene	01/06/23 J 02/06/23	ug/4 3	0.20	0.60	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong

Approved by

D. Phonsa

v e< ChangPhon
Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355746

vate ReFeibed : cun 02, 2023

vate Reported : cun 08, 2023

Report 7u4 - er : 2652852J1

Page 18 oNn0

Sample Number	2355Pn6J3
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ETTOC Qñññ nPE 0P3515nD, 1m10P007G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2ViFloroethane	01/06/23 J 02/06/23	ug/4 3	0.0P	0.20	x 0.20	n8	(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
1,2ViFloropropane	01/06/23 J 02/06/23	ug/4 3	0.08	0.23	7ot v etePted 82		(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
1,2ViFlorotetraFlurooetha ne	01/06/23 J 02/06/23	ug/4 3	1.20	3.50	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
1,3,5Tri4 ethyl- enSene	01/06/23 J 02/06/23	ug/4 3	0.80	2.n6	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
1,3X utadiene	01/06/23 J 02/06/23	ug/4 3	0.0m	0.11	0.P5	5.3	(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
1,3ViFloro- enSene	01/06/23 J 02/06/23	ug/4 3	0.20	0.60	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
1,nViFloro- enSene	01/06/23 J 02/06/23	ug/4 3	0.20	0.60	7ot v etePted 1100		(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
1,nVi ozane	01/06/23 J 02/06/23	ug/4 3	0.10	0.36	7ot v etePted 860		(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
1X utanol	01/06/23 J 02/06/23	ug/4 3	0.50	1.52	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
1JErpanol	01/06/23 J 02/06/23	ug/4 3	0.n0	1.23	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
2JHezanone	01/06/23 J 02/06/23	ug/4 3	0.P0	2.05	7ot v etePted 7o Btandard		(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong

Approved by

D. Phonsa

v e< ChangPhon
Benior Manager

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Analysis / Test Report

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P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355746

vate ReFeibed : cun 02, 2023

vate Reported : cun 08, 2023

Report 7u4 - er : 2652852J1

Page 19 of 20

Sample Number	2355Pm6J3
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ETTOC QHfH nPE 0P3515nD, 1m10P007G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2JEentanone	01/06/23 J 02/06/23	ug/4 3	0.60	1.P6	7ot v eteFted 7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong	
2JEropanol	01/06/23 J 02/06/23	ug/4 3	0.m0	1.23	7ot v eteFted 7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong	
3JHezanone	01/06/23 J 02/06/23	ug/4 3	0.P0	2.05	7ot v eteFted 7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong	
3JEentanone	01/06/23 J 02/06/23	ug/4 3	0.60	1.P6	7ot v eteFted 7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong	
AFetaldehyde	01/06/23 J 02/06/23	ug/4 3	0.05	0.18	2.92	860	(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
AFetone	01/06/23 J 02/06/23	ug/4 3	0.08	0.2m	P.08	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
AFetonitrile	01/06/23 J 02/06/23	ug/4 3	0.30	0.8m	7ot v eteFted 7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong	
AFrolein	01/06/23 J 02/06/23	ug/4 3	0.08	0.23	x 0.23	0.55	(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
AFrylonitrile	01/06/23 J 02/06/23	ug/4 3	0.0P	0.22	7ot v eteFted 10		(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
(enSene	01/06/23 J 02/06/23	ug/4 3	0.05	0.16	1.15	P.6	(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
(enSyl Chloride	01/06/23 J 02/06/23	ug/4 3	0.1P	0.52	7ot v eteFted 12		(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong

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P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355746

vate ReFeibed : cun 02, 2023

vate Reported : cun 08, 2023

Report 7u4 - er : 2652852J1

Page 20 of 20

Sample Number	2355Pm6J3
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ETTOC QHfH nPE 0P3515nD, 1m10P007G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
(ro4 odifloro4 ethane	01/06/23 J 02/06/23	ug/4 3	1.00	3.35	7ot v eteFted 7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong	
(ro4 oNr4	01/06/23 J 02/06/23	ug/4 3	1.00	5.1P	7ot v eteFted 7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong	
(ro4 o4 ethane	01/06/23 J 02/06/23	ug/4 3	0.06	0.19	x 0.19	190	(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
(utanal	01/06/23 J 02/06/23	ug/4 3	0.m9	1.mP	7ot v eteFted 7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong	
Car- on visulNide	01/06/23 J 02/06/23	ug/4 3	0.05	0.16	0.31	100	(ased on) B DEA Co4 pendiu4 Method, TUJ15	7D(	Rayong
Car- on TetraFloride	01/06/23 J 02/06/23	ug/4 3	0.10	0.31	x 0.31	150	(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
Chloro- enSene	01/06/23 J 02/06/23	ug/4 3	0.80	2.30	7ot v eteFted 7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong	
ChlorodilNuoro4 ethane QHCJ C122G	01/06/23 J 02/06/23	ug/4 3	0.60	1.PP	7ot v eteFted 7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong	
Chloroethane	01/06/23 J 02/06/23	ug/4 3	0.m0	1.32	7ot v eteFted 7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong	
ChloroNr4	01/06/23 J 02/06/23	ug/4 3	0.08	0.2m	x 0.2m	5P	(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
Chloro4 ethane	01/06/23 J 02/06/23	ug/4 3	0.30	1.03	1.16	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong

Approved by

D. Phonsa

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Benior Manager

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P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355746

vate ReFeibed : cun 02, 2023

vate Reported : cun 08, 2023

Report 7u4 - er : 2652852J1

Page 21 of 20

Sample Number	2355Pm6J3
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ETTOC Qñññ nPE 0P3515nD, 1m10P007G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
FisJ1,2Jv iFloroethene	01/06/23 J 02/06/23	ug/4 3	0.P0	1.98	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
FisJ1,3Jv iFloropropene	01/06/23 J 02/06/23	ug/4 3	0.80	2.2P	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
CyFlohezane	01/06/23 J 02/06/23	ug/4 3	0.60	1.P2	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
CyFlopentane	01/06/23 J 02/06/23	ug/4 3	0.50	1.m8	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
v iFlorodilñuoro4 ethane Qñ CJ112G	01/06/23 J 02/06/23	ug/4 3	0.80	2.mP	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
v iFloro4 ethane	01/06/23 J 02/06/23	ug/4 3	0.06	0.1P	0.21	210	(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
Dthanol	01/06/23 J 02/06/23	ug/4 3	0.30	0.9m	1.28	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Dthyl (enSene	01/06/23 J 02/06/23	ug/4 3	0.P0	2.1P	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Hezanal	01/06/23 J 02/06/23	ug/4 3	0.60	2.05	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Hezane	01/06/23 J 02/06/23	ug/4 3	0.60	1.P6	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Iso- utene	01/06/23 J 02/06/23	ug/4 3	0.m0	1.15	1.m2	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong

Approved by

D. Phonsa

v e< ChangPhon
Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355746

vate ReFeibed : cun 02, 2023

vate Reported : cun 08, 2023

Report 7u4 - er : 2652852J1

Page 22 of 20

Sample Number	2355Pm6J3
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ETTOC Qñññ nPE 0P3515nD, 1m10P007G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	01/06/23 J 02/06/23	ug/4 3	0.50	1.39	x 1.39	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
4 ,pXylene	01/06/23 J 02/06/23	ug/4 3	1.50	m3m	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
MethaFrolein	01/06/23 J 02/06/23	ug/4 3	0.50	1.m8	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Methanol	01/06/23 J 02/06/23	ug/4 3	0.20	0.66	11.16	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Methyl Dthyl Ketone	01/06/23 J 02/06/23	ug/4 3	0.50	1.nP	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Methyl Iodide	01/06/23 J 02/06/23	ug/4 3	0.90	2.90	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Methyl Iso- utyl Ketone	01/06/23 J 02/06/23	ug/4 3	0.P0	2.05	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Methyl tert - utyl ether	01/06/23 J 02/06/23	ug/4 3	0.60	1.80	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Methyl Vinyl Ketone	01/06/23 J 02/06/23	ug/4 3	0.50	1.m8	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
oXylene	01/06/23 J 02/06/23	ug/4 3	0.P0	2.1P	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Eentanal	01/06/23 J 02/06/23	ug/4 3	0.50	1.P6	7ot v eteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong

Approved by

D. Phonsa

v e< ChangPhon
Benior Manager

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355746

vate ReFeilbed : cun 02, 2023

vate Reported : cun 08, 2023

Report 7u4 - er : 2652852J1

Page 23 of 20

Sample Number	2355Pn6J3
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ETTOC QHfH nPE 0P3515nD, 1m10P007G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Eentane	01/06/23 J 02/06/23	ug/4 3	0.50	1.n8	x 1.n8	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Eropanal	01/06/23 J 02/06/23	ug/4 3	0.50	1.19	7ot veteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Eropene QEropyleneG	01/06/23 J 02/06/23	ug/4 3	0.30	0.86	x 0.86	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Btyrene	01/06/23 J 02/06/23	ug/4 3	0.P0	2.13	7ot veteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
TetraFlhoroethylene	01/06/23 J 02/06/23	ug/4 3	0.11	0.3m	7ot veteFted n00		(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
Toluene	01/06/23 J 02/06/23	ug/4 3	0.60	1.88	2.0m	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
transJ1,2JviFlhoroethene	01/06/23 J 02/06/23	ug/4 3	0.P0	1.98	7ot veteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
transJ1,3JviFlhloropropene	01/06/23 J 02/06/23	ug/4 3	0.80	2.2P	7ot veteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
TriFlhoroethylene	01/06/23 J 02/06/23	ug/4 3	0.09	0.2P	7ot veteFted 130		(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong
TriFlhoroNuoro4 ethane QJ11G	01/06/23 J 02/06/23	ug/4 3	0.90	2.81	x 2.81	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong
Vinyl AFetate	01/06/23 J 02/06/23	ug/4 3	0.60	1.P6	7ot veteFted	7o Btandard	(ased on) B DEA Co4 pendiu4 Method, TUJ15	J	Rayong

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Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355746

vate ReFeilbed : cun 02, 2023

vate Reported : cun 08, 2023

Report 7u4 - er : 2652852J1

Page 23 of 20

Sample Number	2355Pn6J3
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ETTOC QHfH nPE 0P3515nD, 1m10P007G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	01/06/23 J 02/06/23	ug/4 3	0.0m	0.13	0.20	20	(ased on) B DEA Co4 pendiu4 Method, TUJ15	ECv	Rayong

Guideline :

7D : 7otiNFation oN7 ational Dnbron4 ent (oard, (.D. 2560 Q01PG

ECv : 7otiNFation oNthe Eollution Control vepart4 ent, whiFh was pu-lished in the Royal Oobern4 ent OaSette Vol. 126 BpeFial Eart 13 v dated canuary 2P,

(.D. 2552 Q009G

Sampled By : Anurak Tongkha-onsakda

Re4 ark :

- LUv : Li4 it oNv eteFtion

- "x" : Lower than LUf QJ4 it oNf uantitationG/ LUR QJ4 it oNReportingG

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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-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233365

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557901-1C3

Page 1 of 8

Sample Number	233365-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (GPS 47P 0736525, 1411273)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	12/01/23 - 13/01/23	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloro ethane	12/01/23 - 13/01/23	ug/m3	0.10	0.34	<0.34	83	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	12/01/23 - 13/01/23	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	12/01/23 - 13/01/23	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	12/01/23 - 13/01/23	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	12/01/23 - 13/01/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	12/01/23 - 13/01/23	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trimethylbenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	12/01/23 - 13/01/23	ug/m3	0.10	0.38	Not Detected	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	12/01/23 - 13/01/23	ug/m3	0.20	0.60	<0.60	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

D. Changchon

Dej Changchon
Senior Manager

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Analysis / Test Report

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

P/O : PMM-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233365

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557901-1C3

Page 2 of 8

Sample Number	233365-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (GPS 47P 0736525, 1411273)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	12/01/23 - 13/01/23	ug/m3	0.07	0.20	<0.20	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	12/01/23 - 13/01/23	ug/m3	0.08	0.23	Not Detected	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	12/01/23 - 13/01/23	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3-Butadiene	12/01/23 - 13/01/23	ug/m3	0.04	0.11	Not Detected	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	12/01/23 - 13/01/23	ug/m3	0.20	0.60	<0.60	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	12/01/23 - 13/01/23	ug/m3	0.20	0.60	1.68	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	12/01/23 - 13/01/23	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	12/01/23 - 13/01/23	ug/m3	0.50	1.52	<1.52	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1-Propanol	12/01/23 - 13/01/23	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Hexanone	12/01/23 - 13/01/23	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

D. Changchon

Dej Changchon
Senior Manager

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

P/O : PMM-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233365

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557901-1C3

Page 3 of 8

Sample Number	233365-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (GPS 47P 0736525, 1411273)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	12/01/23 - 13/01/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Propanol	12/01/23 - 13/01/23	ug/m3	0.40	1.23	<1.23	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
3-Hexanone	12/01/23 - 13/01/23	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
3-Pentanone	12/01/23 - 13/01/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acetaldehyde	12/01/23 - 13/01/23	ug/m3	0.05	0.18	0.36	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	12/01/23 - 13/01/23	ug/m3	0.08	0.24	4.51	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acetonitrile	12/01/23 - 13/01/23	ug/m3	0.30	0.84	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acrolein	12/01/23 - 13/01/23	ug/m3	0.08	0.23	<0.23	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	12/01/23 - 13/01/23	ug/m3	0.07	0.22	<0.22	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	12/01/23 - 13/01/23	ug/m3	0.05	0.16	0.58	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	12/01/23 - 13/01/23	ug/m3	0.17	0.52	Not Detected	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

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Analysis / Test Report

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P/O : PMM-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233365

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557901-1C3

Page 4 of 8

Sample Number	233365-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (GPS 47P 0736525, 1411273)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	12/01/23 - 13/01/23	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Bromoform	12/01/23 - 13/01/23	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Bromomethane	12/01/23 - 13/01/23	ug/m3	0.06	0.19	Not Detected	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	12/01/23 - 13/01/23	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Carbon Disulfide	12/01/23 - 13/01/23	ug/m3	0.05	0.16	Not Detected	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	12/01/23 - 13/01/23	ug/m3	0.10	0.31	<0.31	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chlorodifluoromethane (HCFC-22)	12/01/23 - 13/01/23	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chloroethane	12/01/23 - 13/01/23	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chloroform	12/01/23 - 13/01/23	ug/m3	0.08	0.24	<0.24	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	12/01/23 - 13/01/23	ug/m3	0.30	1.03	1.16	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

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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-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233365

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557901-1C3

Page 5 of 8

Sample Number	233365-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (GPS 47P 0736525, 1411273)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	12/01/23 - 13/01/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
cis-1,3-Dichloropropene	12/01/23 - 13/01/23	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Cyclohexane	12/01/23 - 13/01/23	ug/m3	0.60	1.72	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Cyclopentane	12/01/23 - 13/01/23	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Dichlorodifluoromethane (CFC-112)	12/01/23 - 13/01/23	ug/m3	0.80	2.47	<2.47	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Dichloromethane	12/01/23 - 13/01/23	ug/m3	0.06	0.17	6.88	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	12/01/23 - 13/01/23	ug/m3	0.30	0.94	4.37	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Ethyl Benzene	12/01/23 - 13/01/23	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Ethylene	12/01/23 - 13/01/23	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712	-	Bangkok
Hexanal	12/01/23 - 13/01/23	ug/m3	0.60	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Hexane	12/01/23 - 13/01/23	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

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D. Changchon

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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-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233365

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557901-1C3

Page 6 of 8

Sample Number	233365-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (GPS 47P 0736525, 1411273)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isobutene	12/01/23 - 13/01/23	ug/m3	0.40	1.15	<1.15	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Isoprene	12/01/23 - 13/01/23	ug/m3	0.50	1.39	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
m,p-Xylene	12/01/23 - 13/01/23	ug/m3	1.50	4.34	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methacrolein	12/01/23 - 13/01/23	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methanol	12/01/23 - 13/01/23	ug/m3	0.20	0.66	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Ethyl Ketone	12/01/23 - 13/01/23	ug/m3	0.50	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Iodide	12/01/23 - 13/01/23	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Isobutyl Ketone	12/01/23 - 13/01/23	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl tert butyl ether	12/01/23 - 13/01/23	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Vinyl Ketone	12/01/23 - 13/01/23	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
o-Xylene	12/01/23 - 13/01/23	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

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Approved by

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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-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233365

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557901-1C3

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Sample Number	233365-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (GPS 47P 0736525, 1411273)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentanal	12/01/23 - 13/01/23	ug/m3	0.50	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Pentane	12/01/23 - 13/01/23	ug/m3	0.50	1.48	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propanal	12/01/23 - 13/01/23	ug/m3	0.50	1.19	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	12/01/23 - 13/01/23	ug/m3	0.30	0.86	1.27	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propylene	12/01/23 - 13/01/23	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D2712-18	-	Bangkok
Styrene	12/01/23 - 13/01/23	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Tetrachloroethylene	12/01/23 - 13/01/23	ug/m3	0.11	0.34	Not Detected	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	12/01/23 - 13/01/23	ug/m3	0.60	1.88	3.54	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,2-Dichloroethene	12/01/23 - 13/01/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,3-Dichloropro pene	12/01/23 - 13/01/23	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Trichloroethylene	12/01/23 - 13/01/23	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong

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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-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233365

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557901-1C3

Page 8 of 8

Sample Number	233365-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ชุมชนเนินพยอม (หมู่บ้านพยอม) (GPS 47P 0736525, 1411273)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Trichlorofluoromethane (F-11)	12/01/23 - 13/01/23	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Vinyl Acetate	12/01/23 - 13/01/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Vinyl Chloride	12/01/23 - 13/01/23	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).

Note : This Analysis test report is issued to supersede report No.2539412-1, Date Reported : Jan 27, 2023 due to revise analytical information.

Sampled By : Satcha Phetsawaeng

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 :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2312344

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report Number : 2557334-1

Page 1 of 8

Sample Number 2312344-1
 Sampled Date Feb 02, 2023
 Sample Description Air Quality
 Location ชุมชนนิคมพัฒนา (หมู่บ้านหนองเตก) (GPS 47P 0736525, 1411273)
 Date Analysis Commenced Feb 06, 2023
 Condition of Sample Drawn into one 10-L air sampling bag and 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	02/02/23 - 03/02/23	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloroethane	02/02/23 - 03/02/23	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	02/02/23 - 03/02/23	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	02/02/23 - 03/02/23	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	02/02/23 - 03/02/23	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	02/02/23 - 03/02/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	02/02/23 - 03/02/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	02/02/23 - 03/02/23	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trimethylbenzene	02/02/23 - 03/02/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	02/02/23 - 03/02/23	ug/m3	0.10	0.38	Not Detected	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	02/02/23 - 03/02/23	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Saranya C.

Saranya Chalermtthamrong
Scientist (4)

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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 Monitoring

Project Location :

Lot ID: 2312344

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report Number : 2557334-1

Page 2 of 8

Sample Number 2312344-1
 Sampled Date Feb 02, 2023
 Sample Description Air Quality
 Location ชุมชนนิคมพัฒนา (หมู่บ้านหนองเตก) (GPS 47P 0736525, 1411273)
 Date Analysis Commenced Feb 06, 2023
 Condition of Sample Drawn into one 10-L air sampling bag and one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	02/02/23 - 03/02/23	ug/m3	0.07	0.20	0.57	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	02/02/23 - 03/02/23	ug/m3	0.08	0.23	<0.23	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	02/02/23 - 03/02/23	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	02/02/23 - 03/02/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3-Butadiene	02/02/23 - 03/02/23	ug/m3	0.04	0.11	1.19	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	02/02/23 - 03/02/23	ug/m3	0.20	0.60	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	02/02/23 - 03/02/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	02/02/23 - 03/02/23	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	02/02/23 - 03/02/23	ug/m3	0.50	1.52	4.55	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1-Propanol	02/02/23 - 03/02/23	ug/m3	0.40	1.23	1.33	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Hexanone	02/02/23 - 03/02/23	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Saranya C.

Saranya Chalermtthamrong
Scientist (4)

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2312344

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report Number : 2557334-1

Page 3 of 8

Sample Number 2312344-1
 Sampled Date Feb 02, 2023
 Sample Description Air Quality
 Location ชุมชนนิคมอุตสาหกรรม (หมู่บ้านหนองเตก) (GPS 47P 0736525, 1411273)
 Date Analysis Commenced Feb 06, 2023
 Condition of Sample Drawn into one 10-L air sampling bag and one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	02/02/23 - 03/02/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Propanol	02/02/23 - 03/02/23	ug/m3	0.40	1.23	3.20	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
3-Hexanone	02/02/23 - 03/02/23	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
3-Pentanone	02/02/23 - 03/02/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acetaldehyde	02/02/23 - 03/02/23	ug/m3	0.05	0.18	3.79	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	02/02/23 - 03/02/23	ug/m3	0.08	0.24	22.19	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acetonitrile	02/02/23 - 03/02/23	ug/m3	0.30	0.84	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acrolein	02/02/23 - 03/02/23	ug/m3	0.08	0.23	0.50	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	02/02/23 - 03/02/23	ug/m3	0.07	0.22	0.65	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	02/02/23 - 03/02/23	ug/m3	0.05	0.16	2.68	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	02/02/23 - 03/02/23	ug/m3	0.17	0.52	Not Detected	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Saranya C.

Saranya Chalermtthamrong
Scientist (4)

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Client : RIL 1996 Co., Ltd.

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2312344

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report Number : 2557334-1

Page 4 of 8

Sample Number 2312344-1
 Sampled Date Feb 02, 2023
 Sample Description Air Quality
 Location ชุมชนนิคมอุตสาหกรรม (หมู่บ้านหนองเตก) (GPS 47P 0736525, 1411273)
 Date Analysis Commenced Feb 06, 2023
 Condition of Sample Drawn into one 10-L air sampling bag and one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	02/02/23 - 03/02/23	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Bromoform	02/02/23 - 03/02/23	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Bromomethane	02/02/23 - 03/02/23	ug/m3	0.06	0.19	<0.19	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	02/02/23 - 03/02/23	ug/m3	0.49	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Carbon Disulfide	02/02/23 - 03/02/23	ug/m3	0.05	0.16	Not Detected	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	02/02/23 - 03/02/23	ug/m3	0.10	0.31	<0.31	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	02/02/23 - 03/02/23	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chlorodifluoromethane (HCFC-22)	02/02/23 - 03/02/23	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chloroethane	02/02/23 - 03/02/23	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chloroform	02/02/23 - 03/02/23	ug/m3	0.08	0.24	<0.24	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	02/02/23 - 03/02/23	ug/m3	0.30	1.03	2.11	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Saranya C.

Saranya Chalermtthamrong
Scientist (4)

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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 Monitoring

Project Location :

Lot ID: 2312344

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report Number : 2557334-1

Page 5 of 8

Sample Number	2312344-1
Sampled Date	Feb 02, 2023
Sample Description	Air Quality
Location	ชุมชนนิคมพัฒนา (หมู่บ้านหนองเตก) (GPS 47P 0736525, 1411273)
Date Analysis Commenced	Feb 06, 2023
Condition of Sample	Drawn into one 10-L air sampling bag and 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	02/02/23 - 03/02/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
cis-1,3-Dichloropropene	02/02/23 - 03/02/23	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Cyclohexane	02/02/23 - 03/02/23	ug/m3	0.60	1.72	<1.72	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Cyclopentane	02/02/23 - 03/02/23	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Dichlorodifluoromethane (CFC-112)	02/02/23 - 03/02/23	ug/m3	0.80	2.47	3.07	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Dichloromethane	02/02/23 - 03/02/23	ug/m3	0.06	0.17	7.16	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	02/02/23 - 03/02/23	ug/m3	0.30	0.94	25.21	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Ethyl Benzene	02/02/23 - 03/02/23	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Ethylene	02/02/23 - 03/02/23	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712	-	Bangkok
Hexanal	02/02/23 - 03/02/23	ug/m3	0.60	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Hexane	02/02/23 - 03/02/23	ug/m3	0.60	1.76	2.82	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Saranya C.

Saranya Chalermtthamrong
Scientist (4)

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2312344

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report Number : 2557334-1

Page 6 of 8

Sample Number	2312344-1
Sampled Date	Feb 02, 2023
Sample Description	Air Quality
Location	ชุมชนนิคมพัฒนา (หมู่บ้านหนองเตก) (GPS 47P 0736525, 1411273)
Date Analysis Commenced	Feb 06, 2023
Condition of Sample	Drawn into one 10-L air sampling bag and one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isobutene	02/02/23 - 03/02/23	ug/m3	0.40	1.15	4.96	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Isoprene	02/02/23 - 03/02/23	ug/m3	0.50	1.39	<1.39	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
m,p-Xylene	02/02/23 - 03/02/23	ug/m3	1.50	4.34	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methacrolein	02/02/23 - 03/02/23	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methanol	02/02/23 - 03/02/23	ug/m3	0.20	0.66	2.59	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Ethyl Ketone	02/02/23 - 03/02/23	ug/m3	0.50	1.47	2.48	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Iodide	02/02/23 - 03/02/23	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Isobutyl Ketone	02/02/23 - 03/02/23	ug/m3	0.70	2.05	<2.05	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl tert butyl ether	02/02/23 - 03/02/23	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Vinyl Ketone	02/02/23 - 03/02/23	ug/m3	0.50	1.43	<1.43	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
o-Xylene	02/02/23 - 03/02/23	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

Saranya C.

Saranya Chalermtthamrong
Scientist (4)

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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 Monitoring

Project Location :

Lot ID: 2312344

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report Number : 2557334-1

Page 7 of 8

Sample Number	2312344-1
Sampled Date	Feb 02, 2023
Sample Description	Air Quality
Location	ชุมชนนิคมอุตสาหกรรม (หมู่บ้านหนองเตก) (GPS 47P 0736525, 1411273)
Date Analysis Commenced	Feb 06, 2023
Condition of Sample	Drawn into one 10-L air sampling bag and one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentanal	02/02/23 - 03/02/23	ug/m3	0.50	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Pentane	02/02/23 - 03/02/23	ug/m3	0.50	1.48	4.90	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propanal	02/02/23 - 03/02/23	ug/m3	0.50	1.19	1.38	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	02/02/23 - 03/02/23	ug/m3	0.30	0.86	12.67	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propylene	02/02/23 - 03/02/23	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D2712-18	-	Bangkok
Styrene	02/02/23 - 03/02/23	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Tetrachloroethylene	02/02/23 - 03/02/23	ug/m3	0.11	0.34	Not Detected	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	02/02/23 - 03/02/23	ug/m3	0.60	1.88	2.79	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,2-Dichloroethene	02/02/23 - 03/02/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,3-Dichloropropene	02/02/23 - 03/02/23	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Trichloroethylene	02/02/23 - 03/02/23	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2312344

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report Number : 2557334-1

Page 8 of 8

Sample Number	2312344-1
Sampled Date	Feb 02, 2023
Sample Description	Air Quality
Location	ชุมชนนิคมอุตสาหกรรม (หมู่บ้านหนองเตก) (GPS 47P 0736525, 1411273)
Date Analysis Commenced	Feb 06, 2023
Condition of Sample	Drawn into one 10-L air sampling bag and one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Trichlorofluoromethane (F-11)	02/02/23 - 03/02/23	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Vinyl Acetate	02/02/23 - 03/02/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Vinyl Chloride	02/02/23 - 03/02/23	ug/m3	0.04	0.13	1.07	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 : Norranon Tathongkham

Remark :

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

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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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 Monitoring

Project Location :

Lot ID: 2321431

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report 7u4 - er : JvFF8Jb5L

Sample Number	J311b315L
Sampled Date	Mar 03, 2013
Sample Description	Air Puality
Location	ชุมชนนิคมพัฒนา ฟาร์มบ้านหนองค้อ Qf ฟิลด์ bFN 0F36vJ9E, 1b11JF37Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2 drawn into one 65L Canister

Page 1 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1,5-TriChloroethane	01/03/13 503/03/13	ug/4 3	0.90	1.F3	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
1,1,1,5-TetraChloroethane	01/03/13 503/03/13	ug/4 3	0.10	0.3b	7 ot 2 eteDed 83		Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
1,1,1,5-TriChloro5L,1,1,5-TriChloroethane	01/03/13 503/03/13	ug/4 3	1.00	3.83	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
1,1,1,5-TriChloroethane	01/03/13 503/03/13	ug/4 3	0.90	1.F3	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
1,1,5-Dichloroethane	01/03/13 503/03/13	ug/4 3	0.F0	1.0J	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
1,1,5-Dichloroethene	01/03/13 503/03/13	ug/4 3	0.F0	1.98	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
1,3,5-Tri4 ethyl- enUene	01/03/13 503/03/13	ug/4 3	0.80	1.b6	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
1,3,5-TriChloro- enUene	01/03/13 503/03/13	ug/4 3	1.10	3.F1	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
1,3,5-Tri4 ethyl- enUene	01/03/13 503/03/13	ug/4 3	0.80	1.b6	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
1,3,5-Tri4 ro4 oethane	01/03/13 503/03/13	ug/4 3	0.10	0.38	7 ot 2 eteDed 3F0		Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
1,3,5-Dichloro- enUene	01/03/13 503/03/13	ug/4 3	0.10	0.60	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong

Approved by

Zee ChangDhon
Senior Manager

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Client : RIL 1996 Co., Ltd.

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2321431

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report 7u4 - er : JvFF8Jb5L

Sample Number	J311b315L
Sampled Date	Mar 03, 2013
Sample Description	Air Puality
Location	ชุมชนนิคมพัฒนา ฟาร์มบ้านหนองค้อ Qf ฟิลด์ bFN 0F36vJ9E, 1b11JF37Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2 drawn into one 65L Canister

Page 1 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,3,5-Dichloroethane	01/03/13 503/03/13	ug/4 3	0.0F	0.10	<0.10	b8	Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
1,3,5-Dichloropropane	01/03/13 503/03/13	ug/4 3	0.08	0.13	7 ot 2 eteDed 8J		Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
1,3,5-Dichlorotetrachloroethane	01/03/13 503/03/13	ug/4 3	1.10	3.v0	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
1,3,5-Tri4 ethyl- enUene	01/03/13 503/03/13	ug/4 3	0.80	1.b6	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
1,3,5-Gutadiene	01/03/13 503/03/13	ug/4 3	0.0b	0.11	0.1F	v.3	Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
1,3,5-Dichloro- enUene	01/03/13 503/03/13	ug/4 3	0.10	0.60	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
1,3,5-Dichloro- enUene	01/03/13 503/03/13	ug/4 3	0.10	0.60	7 ot 2 eteDed 1100		Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
1,3,5-Dichloro- enUene	01/03/13 503/03/13	ug/4 3	0.10	0.36	7 ot 2 eteDed 860		Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
1,3,5-Gutanol	01/03/13 503/03/13	ug/4 3	0.v0	1.vJ	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
1,3,5-Propanol	01/03/13 503/03/13	ug/4 3	0.b0	1.13	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
1,3,5-Hexanone	01/03/13 503/03/13	ug/4 3	0.F0	1.0v	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong

Approved by

Zee ChangDhon
Senior Manager

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Client : RIL 1996 Co., Ltd.

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2321431

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report 7 u4 - er : JvFF8Jb5L

Sample Number	J3J1b315L
Sampled Date	Mar 03, 2013
Sample Description	Air Puality
Location	ชุมชนนิคมพัฒนา ฟาร์มบ้านหนองควีฟักัด bFN 0F36vJ9E, 1b11JF37Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2rawn into one 6SL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
J3Nentanone	01/03/13 503/03/13	ug/4 3	0.60	1.F6	7ot 2eteDted 7o)tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
J3Nropanol	01/03/13 503/03/13	ug/4 3	0.b0	1.J3	<1.J3 7o)tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
3Hecanone	01/03/13 503/03/13	ug/4 3	0.F0	J.0v	7ot 2eteDted 7o)tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
3Nentanone	01/03/13 503/03/13	ug/4 3	0.60	1.F6	7ot 2eteDted 7o)tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
ADetaldehyde	01/03/13 503/03/13	ug/4 3	0.0v	0.18	3.b6	860	Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
ADetone	01/03/13 503/03/13	ug/4 3	0.08	0.Jb	1J.J1	7o)tandard	Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
ADetonitrile	01/03/13 503/03/13	ug/4 3	0.30	0.8b	7ot 2eteDted 7o)tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
ADrolein	01/03/13 503/03/13	ug/4 3	0.08	0.J3	<0.J3	0.vv	Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
ADrylonitrile	01/03/13 503/03/13	ug/4 3	0.0F	0.JJ	<0.JJ	10	Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
GenUene	01/03/13 503/03/13	ug/4 3	0.0v	0.16	J.Jb	F.6	Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
GenUyl Chloride	01/03/13 503/03/13	ug/4 3	0.1F	0.vJ	7ot 2eteDted 1J		Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong

Approved by

Zee ChangDhon
Senior Manager

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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 Monitoring

Project Location :

Lot ID: 2321431

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report 7 u4 - er : JvFF8Jb5L

Sample Number	J3J1b315L
Sampled Date	Mar 03, 2013
Sample Description	Air Puality
Location	ชุมชนนิคมพัฒนา ฟาร์มบ้านหนองควีฟักัด bFN 0F36vJ9E, 1b11JF37Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2rawn into one 6SL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Gr4 odiChloro4 ethane	01/03/13 503/03/13	ug/4 3	1.00	3.3v	7ot 2eteDted 7o)tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Gr4 or4	01/03/13 503/03/13	ug/4 3	1.00	v.1F	7ot 2eteDted 7o)tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Gr4 o4 ethane	01/03/13 503/03/13	ug/4 3	0.06	0.19	<0.19	190	Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
Gutanol	01/03/13 503/03/13	ug/4 3	0.b9	1.bF	7ot 2eteDted 7o)tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Car- on 2isulritide	01/03/13 503/03/13	ug/4 3	0.0v	0.16	<0.16	100	Gased on () ENA Co4 pendiu4 Method, TB5Lv	7EG	Rayong
Car- on TetraChloride	01/03/13 503/03/13	ug/4 3	0.10	0.31	<0.31	1v0	Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
Chloro- enUene	01/03/13 503/03/13	ug/4 3	0.80	J.30	7ot 2eteDted 7o)tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Chlorodifluoro4 ethane fHCxCSJJQ	01/03/13 503/03/13	ug/4 3	0.60	1.FF	<1.FF	7o)tandard	Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Chloroethane	01/03/13 503/03/13	ug/4 3	0.b0	1.J3	7ot 2eteDted 7o)tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Chlorom4	01/03/13 503/03/13	ug/4 3	0.08	0.Jb	<0.Jb	vF	Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
Chloro4 ethane	01/03/13 503/03/13	ug/4 3	0.30	1.03	1.61	7o)tandard	Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong

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Zee ChangDhon
Senior Manager

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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 Monitoring

Project Location :

Lot ID: 2321431

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report 7u4 - er : JvFF8Jb5L

Sample Number	J311b315L
Sampled Date	Mar 01, 2013
Sample Description	Air Puality
Location	ชุมชนนิคมอุตสาหกรรม ฟาร์มบ้านหนองกุด Qf พิบัติ bFN 0F36vJ9E, 1b11JF37Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2 drawn into one 65L Canister

Page 6 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Diethylchloroethene	01/03/13 503/03/13	ug/4 3	0.F0	1.98	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Diethylchloropropene	01/03/13 503/03/13	ug/4 3	0.80	J.JF	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
CyDoheneane	01/03/13 503/03/13	ug/4 3	0.60	1.FJ	<1.FJ 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
CyDopentane	01/03/13 503/03/13	ug/4 3	0.v0	1.b3	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
2Ichlorodifluoro4 ethane fCxCS113Q	01/03/13 503/03/13	ug/4 3	0.80	J.bF	<J.bF 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
2Ichloro4 ethane	01/03/13 503/03/13	ug/4 3	0.06	0.1F	J.99	J10	Gased on () ENA Co4 pendiu4 Method, TB5Lv	NC2	Rayong
Ethanol	01/03/13 503/03/13	ug/4 3	0.30	0.9b	F.3v	7o) tandard	Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Ethyl GenUene	01/03/13 503/03/13	ug/4 3	0.F0	J.1F	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
HeCanal	01/03/13 503/03/13	ug/4 3	0.60	J.0v	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
HeCane	01/03/13 503/03/13	ug/4 3	0.60	1.F6	J.J6	7o) tandard	Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Iso-utene	01/03/13 503/03/13	ug/4 3	0.b0	1.1v	J.0J	7o) tandard	Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong

Approved by

D. Chong

Zez ChangDhon
Senior Manager

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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 Monitoring

Project Location :

Lot ID: 2321431

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report 7u4 - er : JvFF8Jb5L

Sample Number	J311b315L
Sampled Date	Mar 01, 2013
Sample Description	Air Puality
Location	ชุมชนนิคมอุตสาหกรรม ฟาร์มบ้านหนองกุด Qf พิบัติ bFN 0F36vJ9E, 1b11JF37Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2 drawn into one 65L Canister

Page 6 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	01/03/13 503/03/13	ug/4 3	0.v0	1.39	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
4,p5ylene	01/03/13 503/03/13	ug/4 3	1.v0	b.3b	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
MethaDrolein	01/03/13 503/03/13	ug/4 3	0.v0	1.b3	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Methanol	01/03/13 503/03/13	ug/4 3	0.J0	0.66	10.1b	7o) tandard	Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Methyl Ethyl Xetone	01/03/13 503/03/13	ug/4 3	0.v0	1.bF	<1.bF 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Methyl Iodide	01/03/13 503/03/13	ug/4 3	0.90	J.90	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Methyl Iso- utyl Xetone	01/03/13 503/03/13	ug/4 3	0.F0	J.0v	<J.0v 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Methyl tert - utyl ether	01/03/13 503/03/13	ug/4 3	0.60	1.80	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Methyl Kinyl Xetone	01/03/13 503/03/13	ug/4 3	0.v0	1.b3	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
o5ylene	01/03/13 503/03/13	ug/4 3	0.F0	J.1F	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong
Nentanal	01/03/13 503/03/13	ug/4 3	0.v0	1.F6	7 ot 2 eteDed 7o) tandard		Gased on () ENA Co4 pendiu4 Method, TB5Lv	5	Rayong

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D. Chong

Zez ChangDhon
Senior Manager

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Project Name : EIA Monitoring

Lot ID: 2321431

2ate ReDeiced : Mar 03, 1013

Date Reported : Mar 16, 2013

Report 7u4 - er : JvFF8Jb51

Nage F om8

Sample Number	J311b3151
Sampled Date	Mar 01, 2023
Sample Description	Air Puality
Location	ชุมชนเงินพยอม หมู่บ้านพเขตQfพิสด bFN 0F36vJ9E, 1b111F37Q
Date Analysis Commenced	Mar 09, 2023
Condition of Sample	2rawn into one 65L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Nentane	01/03/13 5 03/03/13	ug/4 3	0.v0	1.b8	3.F8	7o)tandard	Gased on () ENA Co4 pendiu4 Method, TB SLv	5	Rayong
Nropanal	01/03/13 5 03/03/13	ug/4 3	0.v0	1.19	<1.19	7o)tandard	Gased on () ENA Co4 pendiu4 Method, TB SLv	5	Rayong
Nropene fNropylenEQ	01/03/13 5 03/03/13	ug/4 3	0.30	0.86	v.8v	7o)tandard	Gased on () ENA Co4 pendiu4 Method, TB SLv	5	Rayong
) tyrene	01/03/13 5 03/03/13	ug/4 3	0.F0	J.13	7ot 2 eteDed	7o)tandard	Gased on () ENA Co4 pendiu4 Method, TB SLv	5	Rayong
TetraChloroethylene	01/03/13 5 03/03/13	ug/4 3	0.11	0.3b	7ot 2 eteDed	b00	Gased on () ENA Co4 pendiu4 Method, TB SLv	NC2	Rayong
Toluene	01/03/13 5 03/03/13	ug/4 3	0.60	1.88	v.b3	7o)tandard	Gased on () ENA Co4 pendiu4 Method, TB SLv	5	Rayong
transSL,132 iChloroethene	01/03/13 5 03/03/13	ug/4 3	0.F0	1.98	7ot 2 eteDed	7o)tandard	Gased on () ENA Co4 pendiu4 Method, TB SLv	5	Rayong
transSL,352 iChloropropene	01/03/13 5 03/03/13	ug/4 3	0.80	J.JF	7ot 2 eteDed	7o)tandard	Gased on () ENA Co4 pendiu4 Method, TB SLv	5	Rayong
TriChloroethylene	01/03/13 5 03/03/13	ug/4 3	0.09	0.JF	7ot 2 eteDed	130	Gased on () ENA Co4 pendiu4 Method, TB SLv	NC2	Rayong
TriChlorofluoro4 ethane fxSL1Q	01/03/13 5 03/03/13	ug/4 3	0.90	J.81	<J.81	7o)tandard	Gased on () ENA Co4 pendiu4 Method, TB SLv	5	Rayong
Kinyl ADetate	01/03/13 5 03/03/13	ug/4 3	0.60	1.F6	7ot 2 eteDed	7o)tandard	Gased on () ENA Co4 pendiu4 Method, TB SLv	5	Rayong

D. Johnson.

2ez ChangDhon
Senior Manager

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Project Name : EIA Monitoring

Lot ID: 2321431

2ate ReDeiced : Mar 03, 2013

2ate Reported : Mar 16, 2013

Report 7u4 - er : JvFF8Jb5l

Page 8 of 8

Sample Number	J3J1b315I
Sampled Date	Mar 03, 2013
Sample Description	Air P uality
Location	ชุมชนเนินพยอม ทุ่งบ้านหนองQฟักัด bFN 0F36vJ9E, 1b11JF37Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2rawn into one 69L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Kinyl Chloride	01/03/13 503/03/13	ug/4.3	0.0b	0.13	0.10	10	Gased on () ENA Co4 pendiu4 Method, TB 51v	NC2	Rayong

Guideline :

7EG : 7otirDation om7 ational Enciron4 ent Goard, G.E. Jv60 fJ01FQ

NK2 : 7071 Notification on the Pollution Control Department, which was published in the Royal Gazette Vol. 116 (part 1) dated January 19, 1987.

G.E. Juvj fJ009Q

Sampled By : Nuwanart Ni4 pan

Re4 ark :

- LB2 : Li4 it on2eteDtion
- "<" : Lower than LBP fLi4 it onPuantitationQ/ LBR fLi4 it onReportingQ

D. Johnson

2ez ChangDhon
Senior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2332397

vate ReFeibed : Apr 0c, 2023

vate Reported : Apr 08, 2023

Report Su7 4er : 2602012J1

Page 1 o- 8

Sample Number	233239N01
Sampled Date	Apr 03, 2023
Sample Description	Air muality
Location	ชุมชนนิคมพัฒนา พิกัด cNE 0N86Q29D, 1c112N85f
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	DGraFted into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1TriFloroethane	03/0c/23 J 0c/0c/23	ug/7 3	0.90	2.NB	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
1,1,2,2TetraFloroethane	03/0c/23 J 0c/0c/23	ug/7 3	0.10	0.3c	5ot v eteFted 83		(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
1,1,2TriFloroJ1,2,2Tri-luoroethane	03/0c/23 J 0c/0c/23	ug/7 3	1.00	3.83	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
1,1,2TriFloroethane	03/0c/23 J 0c/0c/23	ug/7 3	0.90	2.NB	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
1,1Jv iFloroethane	03/0c/23 J 0c/0c/23	ug/7 3	0.N0	2.02	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
1,1Jv iFloroethene	03/0c/23 J 0c/0c/23	ug/7 3	0.N0	1.98	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
1,2,3Tri7 ethyl4enSene	03/0c/23 J 0c/0c/23	ug/7 3	0.80	2.c6	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
1,2,cJTriFloro4enSene	03/0c/23 J 0c/0c/23	ug/7 3	1.20	3.N1	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
1,2,cJTri7 ethyl4enSene	03/0c/23 J 0c/0c/23	ug/7 3	0.80	2.c6	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
1,2Jv i4ro7 oethane	03/0c/23 J 0c/0c/23	ug/7 3	0.10	0.38	5ot v eteFted 3N0		(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
1,2Jv iFloro4enSene	03/0c/23 J 0c/0c/23	ug/7 3	0.20	0.60	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong

Approved by

vez ChangPhon
Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2332397

vate ReFeibed : Apr 0c, 2023

vate Reported : Apr 08, 2023

Report Su7 4er : 2602012J1

Page 2 o- 8

Sample Number	233239N01
Sampled Date	Apr 03, 2023
Sample Description	Air muality
Location	ชุมชนนิคมพัฒนา พิกัด cNE 0N86Q29D, 1c112N85f
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	DGraFted into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2Jv iFloroethane	03/0c/23 J 0c/0c/23	ug/7 3	0.0N	0.20	5ot v eteFted c8		(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
1,2Jv iFloropropane	03/0c/23 J 0c/0c/23	ug/7 3	0.08	0.23	5ot v eteFted 82		(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
1,2Jv iFlorotetra-luoroethane	03/0c/23 J 0c/0c/23	ug/7 3	1.20	3.Q0	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
1,3,QTri7 ethyl4enSene	03/0c/23 J 0c/0c/23	ug/7 3	0.80	2.c6	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
1,3J(utadiene	03/0c/23 J 0c/0c/23	ug/7 3	0.0c	0.11	<0.11	Q.3	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
1,3Jv iFloro4enSene	03/0c/23 J 0c/0c/23	ug/7 3	0.20	0.60	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
1,cJv iFloro4enSene	03/0c/23 J 0c/0c/23	ug/7 3	0.20	0.60	5ot v eteFted 1100		(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
1,cJv ioGane	03/0c/23 J 0c/0c/23	ug/7 3	0.10	0.36	5ot v eteFted 860		(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
1J(utanol	03/0c/23 J 0c/0c/23	ug/7 3	0.Q0	1.Q2	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
1JErופןanol	03/0c/23 J 0c/0c/23	ug/7 3	0.c0	1.23	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
2JHeGanone	03/0c/23 J 0c/0c/23	ug/7 3	0.N0	2.0Q	5ot v eteFted 5o	Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2332397

vate ReFeibed : Apr 0c, 2023

vate Reported : Apr 08, 2023

Report 5u7 4er : 2602012J1

Page 3 of 8

Sample Number	233239N01
Sampled Date	Apr 03, 2023
Sample Description	Air muality
Location	ชุมชนนิคมอุตสาหกรรม Rayong Road cNE 0N86Q29D, 1c112N85f
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	DGrated into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2JEntanone	03/0c/23 J 0c/0c/23	ug/7 3	0.60	1.N6	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
2JErpanol	03/0c/23 J 0c/0c/23	ug/7 3	0.c0	1.23	1.c3	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
3JHeGanone	03/0c/23 J 0c/0c/23	ug/7 3	0.N0	2.0Q	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
3JEntanone	03/0c/23 J 0c/0c/23	ug/7 3	0.60	1.N6	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
AFetaldehyde	03/0c/23 J 0c/0c/23	ug/7 3	0.0Q	0.18	0.Q8	860	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
AFetone	03/0c/23 J 0c/0c/23	ug/7 3	0.08	0.2c	Q.0c	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
AFetonitrile	03/0c/23 J 0c/0c/23	ug/7 3	0.30	0.8c	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
AFrolein	03/0c/23 J 0c/0c/23	ug/7 3	0.08	0.23	<0.23	0.QQ	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
AFrylonitrile	03/0c/23 J 0c/0c/23	ug/7 3	0.0N	0.22	5ot v eteFted	10	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
(enSene	03/0c/23 J 0c/0c/23	ug/7 3	0.0Q	0.16	0.38	N.6	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
(enSyl Chloride	03/0c/23 J 0c/0c/23	ug/7 3	0.1N	0.Q2	5ot v eteFted	12	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong

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Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2332397

vate ReFeibed : Apr 0c, 2023

vate Reported : Apr 08, 2023

Report 5u7 4er : 2602012J1

Page 4 of 8

Sample Number	233239N01
Sampled Date	Apr 03, 2023
Sample Description	Air muality
Location	ชุมชนนิคมอุตสาหกรรม Rayong Road cNE 0N86Q29D, 1c112N85f
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	DGrated into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
(ro7 odifloro7 ethane	03/0c/23 J 0c/0c/23	ug/7 3	1.00	3.3Q	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
(ro7 o-or7	03/0c/23 J 0c/0c/23	ug/7 3	1.00	Q.1N	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
(ro7 o7 ethane	03/0c/23 J 0c/0c/23	ug/7 3	0.06	0.19	<0.19	190	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
(utanal	03/0c/23 J 0c/0c/23	ug/7 3	0.c9	1.cN	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Car4on visul-ide	03/0c/23 J 0c/0c/23	ug/7 3	0.0Q	0.16	0.8N	100	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	SD(	Rayong
Car4on TetraFluoride	03/0c/23 J 0c/0c/23	ug/7 3	0.10	0.31	<0.31	1Q0	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
Chloro4enSene	03/0c/23 J 0c/0c/23	ug/7 3	0.80	2.30	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Chlorodi-luoro7 ethane PHCxCJ22f	03/0c/23 J 0c/0c/23	ug/7 3	0.60	1.NN	<1.NN	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Chloroethane	03/0c/23 J 0c/0c/23	ug/7 3	0.c0	1.32	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Chloro-or7	03/0c/23 J 0c/0c/23	ug/7 3	0.08	0.2c	<0.2c	QN	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
Chloro7 ethane	03/0c/23 J 0c/0c/23	ug/7 3	0.30	1.03	1.c9	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong

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Project Location :

Report 5u7 4er : 2602012J1

Page 00-8

Sample Number	233239N1
Sampled Date	Apr 03, 2023
Sample Description	Air quality
Location	ชุมชนเดิมพยอม พะนังบ้านพอกฟ พักต cNE 0N6Q29D, 1c112NB5f
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	DGtraPted into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
FisJ1,3Jv iFlhoroethene	03/0c/23 J 0c/0c/23	ug/7 3	0.NO	1.98	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
FisJ1,3Jv iFlhloropropene	03/0c/23 J 0c/0c/23	ug/7 3	0.80	2.2N	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
CyFloheGane	03/0c/23 J 0c/0c/23	ug/7 3	0.60	1.N2	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
CyFloptane	03/0c/23 J 0c/0c/23	ug/7 3	0.Q0	1.c3	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
v iFlhlorodi-luoro7 ethane PcxCJ112f	03/0c/23 J 0c/0c/23	ug/7 3	0.80	2.cN	<2.cN	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
v iFlhloro7 ethane	03/0c/23 J 0c/0c/23	ug/7 3	0.06	0.1N	0.21	210	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
Dthanol	03/0c/23 J 0c/0c/23	ug/7 3	0.30	0.9c	3.0Q	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Dthyl (enSene	03/0c/23 J 0c/0c/23	ug/7 3	0.NO	2.1N	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
HeGanal	03/0c/23 J 0c/0c/23	ug/7 3	0.60	2.0Q	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
HeGane	03/0c/23 J 0c/0c/23	ug/7 3	0.60	1.N6	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Iso4utene	03/0c/23 J 0c/0c/23	ug/7 3	0.c0	1.1Q	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong

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Project Location :

Report 5u7 4er : 2602012J1

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Sample Number	233239N01
Sampled Date	Apr 03, 2023
Sample Description	Air quality
Location	ชุมชนเนินพยอม ต.ทุ่งบ้านโพธิ์ อ.พิบูลย์รักษ์ จ.นบพิตำ cNE 0NB6Q29D, 1c112NB5f
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	DGRaTred into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	03/0c/23 1 0c/0c/23	ug/7 3	0.Q0	1.39	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
7 ,pJl ylene	03/0c/23 1 0c/0c/23	ug/7 3	1.Q0	c.3c	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
MethaFrolein	03/0c/23 1 0c/0c/23	ug/7 3	0.Q0	1.c3	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Methanol	03/0c/23 1 0c/0c/23	ug/7 3	0.20	0.66	10.30	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Methyl Dthyl Xetone	03/0c/23 1 0c/0c/23	ug/7 3	0.Q0	1.cN	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Methyl Iodide	03/0c/23 1 0c/0c/23	ug/7 3	0.90	2.90	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Methyl Iso4utyl Xetone	03/0c/23 1 0c/0c/23	ug/7 3	0.N0	2.0Q	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Methyl tert 4utyl ether	03/0c/23 1 0c/0c/23	ug/7 3	0.60	1.80	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Methyl Kinyl Xetone	03/0c/23 1 0c/0c/23	ug/7 3	0.Q0	1.c3	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
oJl ylene	03/0c/23 1 0c/0c/23	ug/7 3	0.N0	2.1N	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Eentanal	03/0c/23 1 0c/0c/23	ug/7 3	0.Q0	1.N6	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong

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Benior Manager

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Project Location :

Report 5u7 4er : 2602012J1

Page No- 8

Sample Number	233239N1
Sampled Date	Apr 03, 2023
Sample Description	Air quality
Location	ชุมชนเดิมพยอม พะนังบ้านพอกฟ พักต cNE 0N6Q29D, 1c112NB5f
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	Graded into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Eentane	03/0c/23 J 0c/0c/23	ug/7 3	0.Q0	1.c8	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Eropanal	03/0c/23 J 0c/0c/23	ug/7 3	0.Q0	1.19	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Eropene FErropylenef	03/0c/23 J 0c/0c/23	ug/7 3	0.30	0.86	<0.86	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
Btyrene	03/0c/23 J 0c/0c/23	ug/7 3	0.NO	2.13	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
TetraFlhloroethylene	03/0c/23 J 0c/0c/23	ug/7 3	0.11	0.3c	5ot v eteFted	c00	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
Toluene	03/0c/23 J 0c/0c/23	ug/7 3	0.60	1.88	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
transJ1,2Jv iFlhloroethene	03/0c/23 J 0c/0c/23	ug/7 3	0.NO	1.98	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
transJ1,3Jv iFlhloropropene	03/0c/23 J 0c/0c/23	ug/7 3	0.80	2.2N	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
TriFlhloroethylene	03/0c/23 J 0c/0c/23	ug/7 3	0.09	0.2N	5ot v eteFted	130	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	ECv	Rayong
TriFlhloro-luoro7 ethane R0J1If	03/0c/23 J 0c/0c/23	ug/7 3	0.90	2.81	<2.81	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong
KinyI AFetate	03/0c/23 J 0c/0c/23	ug/7 3	0.60	1.N6	5ot v eteFted	5o Btandard	(ased on) B DEA Co7 pendiu7 Method, TUJ1Q	J	Rayong

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vez ChangFhon
Benior Manager

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Project Location :

Report 5u7 4er : 2602012J1

Page 8 of 8

Sample Number	233239N01
Sampled Date	Apr 03, 2023
Sample Description	Air quality
Location	ชุมชนนิคมสวน พญานาณพศก พิษัฒ cNE 0N36Q29D, 1c112N85f
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	DGRAred into one 6L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Kinyl Chloride	03/0c/23 J 0c/0c/23	ug/7 3	0.0c	0.13	5ot v eteRted 20		(ased on) B DEA Co7 pendiu7 Method, TU110	ECv	Rayong

Guideline :

Sampled By : 5atthawut v uangpang

Re7 ark :

- LUv : LU7 it o- veteption
- "<" : Lower than LUM PL7 it o- muantitationf / LUR PL7 it o- Reportingf

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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 Monitoring

Project Location :

Lot ID: 2346395

4ate ReDeiced : May 03, 2023

4ate Reported : May 10, 2023

Report 5uN ner : 2632v12-1

Page 1 ob8

Sample Number	23f 639Q-1
Sampled Date	May 02, 2023
Sample Description	Air (uality
Location	ชุมชนนิคมอุตสาหกรรม (ภาค) 7/112v35
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn 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	02/0Q/23 - 03/0Q/23	ug/N 3	0.90	2.v3	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
1,1,2,2-TetraChloroethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.10	0.3f	5ot 4eteDted 83		Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
1,1,2-TriChloro-1,2,2-Trifluoroethane	02/0Q/23 - 03/0Q/23	ug/N 3	1.00	3.83	z 3.83	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
1,1,2-TriChloroethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.90	2.v3	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
1,1-4iChloroethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.02	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
1,1-4iChloroethene	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	1.98	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
1,2,3-TriN ethylrenGene	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.f 6	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
1,2,f -TriChloromenGene	02/0Q/23 - 03/0Q/23	ug/N 3	1.20	3.v1	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
1,2,f -TriN ethylrenGene	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.f 6	z 2.f 6	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
1,2-4imroNoethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.10	0.38	5ot 4eteDted 3v0		Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
1,2-4iChloromenGene	02/0Q/23 - 03/0Q/23	ug/N 3	0.20	0.60	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong

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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 Monitoring

Project Location :

Lot ID: 2346395

4ate ReDeiced : May 03, 2023

4ate Reported : May 10, 2023

Report 5uN ner : 2632v12-1

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Sample Number	23f 639Q-1
Sampled Date	May 02, 2023
Sample Description	Air (uality
Location	ชุมชนนิคมอุตสาหกรรม (ภาค) 7/112v35
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-4iChloroethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.0v	0.20	0.2f	f 8	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
1,2-4iChloropropane	02/0Q/23 - 03/0Q/23	ug/N 3	0.08	0.23	5ot 4eteDted 82		Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
1,2-4iChlorotetrafluoroethane	02/0Q/23 - 03/0Q/23	ug/N 3	1.20	3.Q0	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
1,3,Q-TriN ethylmenGene	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.f 6	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
1,3-Butadiene	02/0Q/23 - 03/0Q/23	ug/N 3	0.0f	0.11	0.31	Q.3	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
1,3-4iChloromenGene	02/0Q/23 - 03/0Q/23	ug/N 3	0.20	0.60	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
1,f -4iChloromenGene	02/0Q/23 - 03/0Q/23	ug/N 3	0.20	0.60	5ot 4eteDted 1100		Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
1,f -4iokane	02/0Q/23 - 03/0Q/23	ug/N 3	0.10	0.36	z 0.36	860	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
1-Butanol	02/0Q/23 - 03/0Q/23	ug/N 3	0.Q0	1.Q2	2.36	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
1-Propanol	02/0Q/23 - 03/0Q/23	ug/N 3	0.f 0	1.23	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
2-Hekanone	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.0Q	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong

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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID: 2346395

date Received : May 03, 2023

date Reported : May 10, 2023

Report 5uN nrr : 2632v12-1

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Sample Number	23f 639Q-1
Sampled Date	May 02, 2023
Sample Description	Air (quality
Location	ชุมชนนิคมอุตสาหกรรม (ท่าอากาศยาน) วัด f vP 0v36Q29E, 1f 112v35)
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.v6	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
2-Propanol	02/0Q/23 - 03/0Q/23	ug/N 3	0.f 0	1.23	6.93	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
3-Hekanone	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.0Q	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
3-Pentanone	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.v6	z 1.v6	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
ADetaldehyde	02/0Q/23 - 03/0Q/23	ug/N 3	0.0Q	0.18	Q.vv	860	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
ADetone	02/0Q/23 - 03/0Q/23	ug/N 3	0.08	0.2f	33.83	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
ADetonitrile	02/0Q/23 - 03/0Q/23	ug/N 3	0.30	0.8f	z 0.8f	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
ADrolein	02/0Q/23 - 03/0Q/23	ug/N 3	0.08	0.23	0.f 6	0.QQ	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
ADrylonitrile	02/0Q/23 - 03/0Q/23	ug/N 3	0.0v	0.22	z 0.22	10	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
BenGene	02/0Q/23 - 03/0Q/23	ug/N 3	0.0Q	0.16	1.98	v.6	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
BenGyl Chloride	02/0Q/23 - 03/0Q/23	ug/N 3	0.1v	0.Q2	5ot 4eteDted	12	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong

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Lot ID: 2346395

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Report 5uN nrr : 2632v12-1

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Sample Number	23f 639Q-1
Sampled Date	May 02, 2023
Sample Description	Air (quality
Location	ชุมชนนิคมอุตสาหกรรม (ท่าอากาศยาน) วัด f vP 0v36Q29E, 1f 112v35)
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
BroN odiChloroN ethane	02/0Q/23 - 03/0Q/23	ug/N 3	1.00	3.3Q	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
BroN otbrN	02/0Q/23 - 03/0Q/23	ug/N 3	1.00	Q.1v	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
BroN oN ethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.06	0.19	z 0.19	190	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
Butanal	02/0Q/23 - 03/0Q/23	ug/N 3	0.f 9	1.f v	z 1.f v	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Carmon 4isulide	02/0Q/23 - 03/0Q/23	ug/N 3	0.0Q	0.16	0.Q5	100	Based on US EPA CoN pendiuN Method, TO-1Q	5EB	Rayong
Carmon TetraChloride	02/0Q/23 - 03/0Q/23	ug/N 3	0.10	0.31	0.63	1Q	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
ChloromenGene	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.30	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
ChlorodiBuoroN ethane (HCFC-22)	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.vv	3.vQ	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Chloroethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.f 0	1.32	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
ChlorotbrN	02/0Q/23 - 03/0Q/23	ug/N 3	0.08	0.2f	0.29	Qv	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
ChloroN ethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.30	1.03	f .Q8	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong

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

P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID: 2346395

date ReDeiced : May 03, 2023

date Reported : May 10, 2023

Report 5uN ner : 2632v12-1

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Sample Number	23f 639Q-1
Sampled Date	May 02, 2023
Sample Description	Air (uality
Location	ชุมชนนิคมอุตสาหกรรม (ภาค) 7/112v35)
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Dis-1,2-4iChloroethene	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	1.98	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Dis-1,3-4iChloropropene	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.2v	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
CyDoheKane	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.v2	Q.3v	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
CyDopentane	02/0Q/23 - 03/0Q/23	ug/N 3	0.Q0	1.f 3	v9.81	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
4iChlorodifluoroN ethane (CFC-112)	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.f v	Q.vf	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
4iChloroN ethane	02/0Q/23 - 03/0Q/23	ug/N 3	0.06	0.1v	Q.63	210	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
Ethanol	02/0Q/23 - 03/0Q/23	ug/N 3	0.30	0.9f	1f Q	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Ethyl BenGene	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.1v	z 2.1v	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Hekanal	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	2.0Q	2.v0	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Hekane	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.v6	13f	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Isomutene	02/0Q/23 - 03/0Q/23	ug/N 3	0.f 0	1.1Q	1.Ql	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong

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Report 5uN ner : 2632v12-1

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Sample Number	23f 639Q-1
Sampled Date	May 02, 2023
Sample Description	Air (uality
Location	ชุมชนนิคมอุตสาหกรรม (ภาค) 7/112v35)
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	02/0Q/23 - 03/0Q/23	ug/N 3	0.Q0	1.39	z 1.39	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
N,p-Xylene	02/0Q/23 - 03/0Q/23	ug/N 3	1.Q0	f.3f	z f.3f	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
MethaDrolein	02/0Q/23 - 03/0Q/23	ug/N 3	0.Q0	1.f 3	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Methanol	02/0Q/23 - 03/0Q/23	ug/N 3	0.20	0.66	33.31	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Methyl Ethyl Ketone	02/0Q/23 - 03/0Q/23	ug/N 3	0.Q0	1.f v	3.9Q	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Methyl Iodide	02/0Q/23 - 03/0Q/23	ug/N 3	0.90	2.90	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Methyl Isomutyl Ketone	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.0Q	2.Qf	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Methyl tert mutyl ether	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.80	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Methyl Vinyl Ketone	02/0Q/23 - 03/0Q/23	ug/N 3	0.Q0	1.f 3	z 1.f 3	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
o-Xylene	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.1v	z 2.1v	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Pentanal	02/0Q/23 - 03/0Q/23	ug/N 3	0.Q0	1.v6	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong

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Report 5uN ner : 2632v12-1

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Sample Number	23f 639Q-1
Sampled Date	May 02, 2023
Sample Description	Air (uality
Location	ชุมชนนิคมอุตสาหกรรม (ภาค) 7/11 f vP 0v36Q29E, 1f 112v35)
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	02/0Q/23 - 03/0Q/23	ug/N 3	0.Q0	1.f 8	2.f 2	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Propanal	02/0Q/23 - 03/0Q/23	ug/N 3	0.Q0	1.19	z 1.19	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Propene 7(Propylene)	02/0Q/23 - 03/0Q/23	ug/N 3	0.30	0.86	3.3v	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Styrene	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	2.13	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
TetraChloroethylene	02/0Q/23 - 03/0Q/23	ug/N 3	0.11	0.3f	5ot 4eteDted f 00		Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
Toluene	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.88	22.v6	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
trans-1,2-4iDhloroethene	02/0Q/23 - 03/0Q/23	ug/N 3	0.v0	1.98	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
trans-1,3-4iDhloropropene	02/0Q/23 - 03/0Q/23	ug/N 3	0.80	2.2v	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
TriDhloroethylene	02/0Q/23 - 03/0Q/23	ug/N 3	0.09	0.2v	z 0.2v	130	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong
TriDhlorobuoroN ethane 7(-11)	02/0Q/23 - 03/0Q/23	ug/N 3	0.90	2.81	z 2.81	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong
Vinyl ADetate	02/0Q/23 - 03/0Q/23	ug/N 3	0.60	1.v6	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-1Q	-	Rayong

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v099-12/ EMAIL



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 Monitoring

Project Location :

Lot ID: 2346395

4ate ReDeiced : May 03, 2023

4ate Reported : May 10, 2023

Report 5uN ner : 2632v12-1

Page 8 ob8

Sample Number	23f 639Q-1
Sampled Date	May 02, 2023
Sample Description	Air (uality
Location	ชุมชนนิคมอุตสาหกรรม (ภาค) 7/11 f vP 0v36Q29E, 1f 112v35)
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	02/0Q/23 - 03/0Q/23	ug/N 3	0.0f	0.13	z 0.13	20	Based on US EPA CoN pendiuN Method, TO-1Q	PC4	Rayong

Guideline :

5EB : 5 otibDation ob5ational EncironNent Board, B.E. 2Q60 7201v)

PC4 : 5 otibDation obthe Pollution Control 4epartNent, whiDh was puntished in the Royal xocernNent xaGette Vol. 126 SpeDial Part 13 4 dated January 2v, B.E. 2QQ 72009).

Sampled By : Puwanart PIN pan

ReNar< :

- LO4 : LIN it ob4eteDtion
- "z " : Lower than LO(7LIN it ob(uantitation) / LOR 7LIN it obReporting)

Approved by

N. Bangkhit

SaruN on BanDhong-dt
Supercisor

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355714

vate ReFeibed : cun 02, 2023

vate Reported : cun 05, 2023

Report - uN ner : 2672540J1

Page 1 of 8

Sample Number	2377514J1
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ชุมชนนิคมพัฒนา อ.บ้านนาโพธิ์ จ.บุรีรัมย์ 45E 0536729D, 1411253- G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1TriFluoroethane	01/06/23 J 02/06/23	ug/N 3	0.90	2.53	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
1,1,2,2TetraFluoroethane	01/06/23 J 02/06/23	ug/N 3	0.10	0.34	- ot v etePted 83	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong	
1,1,2TriFluoroJ1,2,2TriFluoroethane	01/06/23 J 02/06/23	ug/N 3	1.00	3.83	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
1,1,2TriFluoroethane	01/06/23 J 02/06/23	ug/N 3	0.90	2.53	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
1,1,1v iFluoroethane	01/06/23 J 02/06/23	ug/N 3	0.50	2.02	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
1,1,1v iFluoroethene	01/06/23 J 02/06/23	ug/N 3	0.50	1.98	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
1,2,3TriN ethylnenSene	01/06/23 J 02/06/23	ug/N 3	0.80	2.46	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
1,2,4TriFluoromenSene	01/06/23 J 02/06/23	ug/N 3	1.20	3.51	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
1,2,4TriN ethylnenSene	01/06/23 J 02/06/23	ug/N 3	0.80	2.46	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
1,2,1v iFluoroethane	01/06/23 J 02/06/23	ug/N 3	0.10	0.38	- ot v etePted 350	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong	
1,2,1v iFluoromenSene	01/06/23 J 02/06/23	ug/N 3	0.20	0.60	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	

Approved by

D. Phonsa

v e< ChangPhon
Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355714

vate ReFeibed : cun 02, 2023

vate Reported : cun 05, 2023

Report - uN ner : 2672540J1

Page 2 of 8

Sample Number	2377514J1
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ชุมชนนิคมพัฒนา อ.บ้านนาโพธิ์ จ.บุรีรัมย์ 45E 0536729D, 1411253- G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2,1v iFluoroethane	01/06/23 J 02/06/23	ug/N 3	0.05	0.20	x 0.20	48	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
1,2,1v iFluoropropane	01/06/23 J 02/06/23	ug/N 3	0.08	0.23	- ot v etePted 82	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong	
1,2,1v iFluorotetrafluoroethane	01/06/23 J 02/06/23	ug/N 3	1.20	3.70	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
1,3,7TriN ethylnenSene	01/06/23 J 02/06/23	ug/N 3	0.80	2.46	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
1,3,1v utadiene	01/06/23 J 02/06/23	ug/N 3	0.04	0.11	0.84	7.3	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
1,3,1v iFluoromenSene	01/06/23 J 02/06/23	ug/N 3	0.20	0.60	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
1,4,1v iFluoromenSene	01/06/23 J 02/06/23	ug/N 3	0.20	0.60	- ot v etePted 1100	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong	
1,4,1v iozane	01/06/23 J 02/06/23	ug/N 3	0.10	0.36	- ot v etePted 860	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong	
1,1v utanol	01/06/23 J 02/06/23	ug/N 3	0.70	1.72	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
1,1v Eropanol	01/06/23 J 02/06/23	ug/N 3	0.40	1.23	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
2,2Hezanone	01/06/23 J 02/06/23	ug/N 3	0.50	2.07	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	

Approved by

D. Phonsa

v e< ChangPhon
Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355714

vate ReFeibed : cun 02, 2023

vate Reported : cun 05, 2023

Report - uN ner : 2672540J1

Page 3 of 8

Sample Number	2377514J1
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ชุมชนนิคมของโรงงานอุตสาหกรรมเขตอุตสาหกรรม 45E 0536729D, 1411253- G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2JEentanone	01/06/23 J 02/06/23	ug/N 3	0.60	1.56	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
2JEropanol	01/06/23 J 02/06/23	ug/N 3	0.40	1.23	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
3JHezanone	01/06/23 J 02/06/23	ug/N 3	0.50	2.07	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
3JEentanone	01/06/23 J 02/06/23	ug/N 3	0.60	1.56	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
AFetaldehyde	01/06/23 J 02/06/23	ug/N 3	0.07	0.18	4.04	860	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
AFetone	01/06/23 J 02/06/23	ug/N 3	0.08	0.24	12.16	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
AFetonitrile	01/06/23 J 02/06/23	ug/N 3	0.30	0.84	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
AFrolein	01/06/23 J 02/06/23	ug/N 3	0.08	0.23	x 0.23	0.77	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
AFrylonitrile	01/06/23 J 02/06/23	ug/N 3	0.05	0.22	- ot v eteFted 10		(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
(enSene	01/06/23 J 02/06/23	ug/N 3	0.07	0.16	3.05	5.6	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
(enSyl Chloride	01/06/23 J 02/06/23	ug/N 3	0.15	0.72	- ot v eteFted 12		(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong

Approved by

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Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355714

vate ReFeibed : cun 02, 2023

vate Reported : cun 05, 2023

Report - uN ner : 2672540J1

Page 4 of 8

Sample Number	2377514J1
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ชุมชนนิคมของโรงงานอุตสาหกรรมเขตอุตสาหกรรม 45E 0536729D, 1411253- G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
(roN odifloroN ethane	01/06/23 J 02/06/23	ug/N 3	1.00	3.37	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
(roN oRrN	01/06/23 J 02/06/23	ug/N 3	1.00	7.15	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
(roN oN ethane	01/06/23 J 02/06/23	ug/N 3	0.06	0.19	x 0.19	190	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
(utanal	01/06/23 J 02/06/23	ug/N 3	0.49	1.45	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
Carmon v isulRde	01/06/23 J 02/06/23	ug/N 3	0.07	0.16	x 0.16	100	(ased on) B DEA CoN pendiuN Method, TUJ17	- D(	Rayong
Carmon TetraFluoride	01/06/23 J 02/06/23	ug/N 3	0.10	0.31	x 0.31	170	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
ChloromenSene	01/06/23 J 02/06/23	ug/N 3	0.80	2.30	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
ChlorodiFluoroN ethane QHCJ CJ22G	01/06/23 J 02/06/23	ug/N 3	0.60	1.55	x 1.55	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
Chloroethane	01/06/23 J 02/06/23	ug/N 3	0.40	1.32	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
ChloroRrN	01/06/23 J 02/06/23	ug/N 3	0.08	0.24	x 0.24	75	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
ChloroN ethane	01/06/23 J 02/06/23	ug/N 3	0.30	1.03	1.75	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong

Approved by

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v e< ChangPhon
Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355714

vate ReFeibed : cun 02, 2023

vate Reported : cun 05, 2023

Report - uN ner : 2672540J1

Page 7 of 8

Sample Number	2377514J1
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ชุมชนนิคมของ บริษัทมหาชนจำกัด 45E 0536729D, 1411253- G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
FisJ1,2Jv iFloroethene	01/06/23 J 02/06/23	ug/N 3	0.50	1.98	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
FisJ1,3Jv iFloropropene	01/06/23 J 02/06/23	ug/N 3	0.80	2.25	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
CyFlohezane	01/06/23 J 02/06/23	ug/N 3	0.60	1.52	x 1.52 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
CyFlopentane	01/06/23 J 02/06/23	ug/N 3	0.70	1.43	11.73 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
v iFlorodifluoroN ethane QJ CJ112G	01/06/23 J 02/06/23	ug/N 3	0.80	2.45	2.85 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
v iFloroN ethane	01/06/23 J 02/06/23	ug/N 3	0.06	0.15	0.37 210	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv		Rayong
Dthanol	01/06/23 J 02/06/23	ug/N 3	0.30	0.94	13.49 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
Dthyl (enSene	01/06/23 J 02/06/23	ug/N 3	0.50	2.15	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
Hezanal	01/06/23 J 02/06/23	ug/N 3	0.60	2.07	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
Hezane	01/06/23 J 02/06/23	ug/N 3	0.60	1.56	12.95 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
Isomutene	01/06/23 J 02/06/23	ug/N 3	0.40	1.17	4.47 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong

Approved by

D. Phonsa

v e< ChangPhon
Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355714

vate ReFeibed : cun 02, 2023

vate Reported : cun 05, 2023

Report - uN ner : 2672540J1

Page 6 of 8

Sample Number	2377514J1
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ชุมชนนิคมของ บริษัทมหาชนจำกัด 45E 0536729D, 1411253- G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	01/06/23 J 02/06/23	ug/N 3	0.70	1.39	x 1.39 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
N,pJXylene	01/06/23 J 02/06/23	ug/N 3	1.70	4.34	x 4.34 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
MethaFrolein	01/06/23 J 02/06/23	ug/N 3	0.70	1.43	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
Methanol	01/06/23 J 02/06/23	ug/N 3	0.20	0.66	22.83 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
Methyl Dthyl Ketone	01/06/23 J 02/06/23	ug/N 3	0.70	1.45	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
Methyl Iodide	01/06/23 J 02/06/23	ug/N 3	0.90	2.90	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
Methyl Isomutyl Ketone	01/06/23 J 02/06/23	ug/N 3	0.50	2.07	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
Methyl tert mutyl ether	01/06/23 J 02/06/23	ug/N 3	0.60	1.80	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
Methyl Vinyl Ketone	01/06/23 J 02/06/23	ug/N 3	0.70	1.43	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
oJXylene	01/06/23 J 02/06/23	ug/N 3	0.50	2.15	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
Eentanal	01/06/23 J 02/06/23	ug/N 3	0.70	1.56	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong

Approved by

D. Phonsa

v e< ChangPhon
Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355714

vate ReFeilbed : cun 02, 2023

vate Reported : cun 05, 2023

Report - uN mer : 2672540J1

Page 5 of 8

Sample Number	2377514J1
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ชุมชนนิคมพัฒนา อ.บ้านนาโพธิ์ จ.บุรีรัมย์ 45E 0536729D, 1411253- G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Eentane	01/06/23 J 02/06/23	ug/N 3	0.70	1.48	49.04	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
Eropanal	01/06/23 J 02/06/23	ug/N 3	0.70	1.19	x 1.19	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
Eropene (EropyleneG	01/06/23 J 02/06/23	ug/N 3	0.30	0.86	8.23	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
Btyrene	01/06/23 J 02/06/23	ug/N 3	0.50	2.13	- ot v eteFted	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
TetraFloroethylene	01/06/23 J 02/06/23	ug/N 3	0.11	0.34	- ot v eteFted 400		(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
Toluene	01/06/23 J 02/06/23	ug/N 3	0.60	1.88	3.02	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
transJ1,2Jv iFloroethene	01/06/23 J 02/06/23	ug/N 3	0.50	1.98	- ot v eteFted	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
transJ1,3Jv iFloropropene	01/06/23 J 02/06/23	ug/N 3	0.80	2.25	- ot v eteFted	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
TriFloroethylene	01/06/23 J 02/06/23	ug/N 3	0.09	0.25	- ot v eteFted 130		(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
TriFloroRuoroN ethane QJ11G	01/06/23 J 02/06/23	ug/N 3	0.90	2.81	x 2.81	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
Vinyl AFetate	01/06/23 J 02/06/23	ug/N 3	0.60	1.56	- ot v eteFted	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong

Approved by

D. Chong

v e< ChangPhon
Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355714

vate ReFeilbed : cun 02, 2023

vate Reported : cun 05, 2023

Report - uN mer : 2672540J1

Page 6 of 8

Sample Number	2377514J1
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ชุมชนนิคมพัฒนา อ.บ้านนาโพธิ์ จ.บุรีรัมย์ 45E 0536729D, 1411253- G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	01/06/23 J 02/06/23	ug/N 3	0.04	0.13	0.17	20	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong

Guideline :

- D(: - otifFation oP- ational DnbironNent (oard, (.D. 2760 Q015G

ECv : - otifFation oPthe Eollution Control v eparNent, whiFh was puntished in the Royal OobernNent OaSette Vol. 126 BpeFial Eart 13 v dated canuary 25,

(.D. 2772 Q009G

Sampled By : Anurak Tongkha-onsakda

ReNark :

- LUv : LIN it oPv eteFtion

- "x" : Lower than LUf QJN it oPf uantitationG/ LUR QJN it oPReportingG

Approved by

D. Chong

v e< ChangPhon
Benior Manager

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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-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233388

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557936-1C3

Page 1 of 8

Sample Number	233388-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	จุดตรวจมลพิษ (GPS 47P 0735259, 1408966)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1-Trichloroethane	12/01/23 - 13/01/23	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2,2-Tetrachloro ethane	12/01/23 - 13/01/23	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	12/01/23 - 13/01/23	ug/m3	1.00	3.83	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1,2-Trichloroethane	12/01/23 - 13/01/23	ug/m3	0.90	2.73	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethane	12/01/23 - 13/01/23	ug/m3	0.70	2.02	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,1-Dichloroethene	12/01/23 - 13/01/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,3-Trimethylbenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trichlorobenzene	12/01/23 - 13/01/23	ug/m3	1.20	3.71	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2,4-Trimethylbenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,2-Dibromoethane	12/01/23 - 13/01/23	ug/m3	0.10	0.38	Not Detected	370	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorobenzene	12/01/23 - 13/01/23	ug/m3	0.20	0.60	<0.60	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

D. Changchon

Dej Changchon
Senior Manager

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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-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233388

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557936-1C3

Page 2 of 8

Sample Number	233388-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	จุดตรวจมลพิษ (GPS 47P 0735259, 1408966)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2-Dichloroethane	12/01/23 - 13/01/23	ug/m3	0.07	0.20	<0.20	48	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichloropropane	12/01/23 - 13/01/23	ug/m3	0.08	0.23	Not Detected	82	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,2-Dichlorotetrafluoroethane	12/01/23 - 13/01/23	ug/m3	1.20	3.50	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3,5-Trimethylbenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.46	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,3-Butadiene	12/01/23 - 13/01/23	ug/m3	0.04	0.11	Not Detected	5.3	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,3-Dichlorobenzene	12/01/23 - 13/01/23	ug/m3	0.20	0.60	<0.60	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1,4-Dichlorobenzene	12/01/23 - 13/01/23	ug/m3	0.20	0.60	1.08	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1,4-Dioxane	12/01/23 - 13/01/23	ug/m3	0.10	0.36	Not Detected	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
1-Butanol	12/01/23 - 13/01/23	ug/m3	0.50	1.52	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
1-Propanol	12/01/23 - 13/01/23	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Hexanone	12/01/23 - 13/01/23	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

D. Changchon

Dej Changchon
Senior Manager

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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-SCGCH-2019-352
Project Name : EIA Monitoring
Project Location : RIL 1996

Lot ID: 233388
Date Received : Jan 13, 2023
Date Reported : Feb 07, 2023
Report Number : 2557936-1C3

Page 3 of 8

Sample Number 233388-1
Sampled Date Jan 12, 2023
Sample Description Air Quality
Location ชุมชนบ้านนาบอน (GPS 47P 0735259, 1408966)
Date Analysis Commenced Jan 14, 2023
Condition of Sample Drawn into one 6-L Canister and one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	12/01/23 - 13/01/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
2-Propanol	12/01/23 - 13/01/23	ug/m3	0.40	1.23	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
3-Hexanone	12/01/23 - 13/01/23	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
3-Pentanone	12/01/23 - 13/01/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acetaldehyde	12/01/23 - 13/01/23	ug/m3	0.05	0.18	0.29	860	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acetone	12/01/23 - 13/01/23	ug/m3	0.08	0.24	3.71	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acetonitrile	12/01/23 - 13/01/23	ug/m3	0.30	0.84	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Acrolein	12/01/23 - 13/01/23	ug/m3	0.08	0.23	<0.23	0.55	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Acrylonitrile	12/01/23 - 13/01/23	ug/m3	0.07	0.22	<0.22	10	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	12/01/23 - 13/01/23	ug/m3	0.05	0.16	0.58	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzyl Chloride	12/01/23 - 13/01/23	ug/m3	0.17	0.52	Not Detected	12	Based on US EPA Compendium Method, TO-15	PCD	Rayong

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Dej Changchon
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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-SCGCH-2019-352
Project Name : EIA Monitoring
Project Location : RIL 1996

Lot ID: 233388
Date Received : Jan 13, 2023
Date Reported : Feb 07, 2023
Report Number : 2557936-1C3

Page 4 of 8

Sample Number 233388-1
Sampled Date Jan 12, 2023
Sample Description Air Quality
Location ชุมชนบ้านนาบอน (GPS 47P 0735259, 1408966)
Date Analysis Commenced Jan 14, 2023
Condition of Sample Drawn into one 6-L Canister and one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Bromodichloromethane	12/01/23 - 13/01/23	ug/m3	1.00	3.35	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Bromoform	12/01/23 - 13/01/23	ug/m3	1.00	5.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Bromomethane	12/01/23 - 13/01/23	ug/m3	0.06	0.19	<0.19	190	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Butanal	12/01/23 - 13/01/23	ug/m3	0.49	1.47	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Carbon Disulfide	12/01/23 - 13/01/23	ug/m3	0.05	0.16	Not Detected	100	Based on US EPA Compendium Method, TO-15	NEB	Rayong
Carbon Tetrachloride	12/01/23 - 13/01/23	ug/m3	0.10	0.31	<0.31	150	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chlorobenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.30	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chlorodifluoromethane (HCFC-22)	12/01/23 - 13/01/23	ug/m3	0.60	1.77	<1.77	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chloroethane	12/01/23 - 13/01/23	ug/m3	0.40	1.32	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Chloroform	12/01/23 - 13/01/23	ug/m3	0.08	0.24	<0.24	57	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Chloromethane	12/01/23 - 13/01/23	ug/m3	0.30	1.03	1.20	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

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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-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233388

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557936-1C3

Page 5 of 8

Sample Number	233388-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	จุดตรวจมลพิษ (GPS 47P 0735259, 1408966)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-1,2-Dichloroethene	12/01/23 - 13/01/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
cis-1,3-Dichloropropene	12/01/23 - 13/01/23	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Cyclohexane	12/01/23 - 13/01/23	ug/m3	0.60	1.72	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Cyclopentane	12/01/23 - 13/01/23	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Dichlorodifluoromethane (CFC-112)	12/01/23 - 13/01/23	ug/m3	0.80	2.47	<2.47	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Dichloromethane	12/01/23 - 13/01/23	ug/m3	0.06	0.17	0.42	210	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethanol	12/01/23 - 13/01/23	ug/m3	0.30	0.94	5.01	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Ethyl Benzene	12/01/23 - 13/01/23	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Ethylene	12/01/23 - 13/01/23	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712	-	Bangkok
Hexanal	12/01/23 - 13/01/23	ug/m3	0.60	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Hexane	12/01/23 - 13/01/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

D. Changchon

Dej Changchon
Senior Manager

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

P/O : PMM-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233388

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557936-1C3

Page 6 of 8

Sample Number	233388-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	จุดตรวจมลพิษ (GPS 47P 0735259, 1408966)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isobutene	12/01/23 - 13/01/23	ug/m3	0.40	1.15	<1.15	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Isoprene	12/01/23 - 13/01/23	ug/m3	0.50	1.39	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
m,p-Xylene	12/01/23 - 13/01/23	ug/m3	1.50	4.34	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methacrolein	12/01/23 - 13/01/23	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methanol	12/01/23 - 13/01/23	ug/m3	0.20	0.66	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Ethyl Ketone	12/01/23 - 13/01/23	ug/m3	0.50	1.47	<1.47	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Iodide	12/01/23 - 13/01/23	ug/m3	0.90	2.90	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Isobutyl Ketone	12/01/23 - 13/01/23	ug/m3	0.70	2.05	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl tert butyl ether	12/01/23 - 13/01/23	ug/m3	0.60	1.80	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Methyl Vinyl Ketone	12/01/23 - 13/01/23	ug/m3	0.50	1.43	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
o-Xylene	12/01/23 - 13/01/23	ug/m3	0.70	2.17	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Approved by

D. Changchon

Dej Changchon
Senior Manager

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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-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233388

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557936-1C3

Page 7 of 8

Sample Number	233388-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	จุดตรวจมลพิษ (GPS 47P 0735259, 1408966)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentanal	12/01/23 - 13/01/23	ug/m3	0.50	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Pentane	12/01/23 - 13/01/23	ug/m3	0.50	1.48	<1.48	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propanal	12/01/23 - 13/01/23	ug/m3	0.50	1.19	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	12/01/23 - 13/01/23	ug/m3	0.30	0.86	1.58	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propylene	12/01/23 - 13/01/23	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D2712-18	-	Bangkok
Styrene	12/01/23 - 13/01/23	ug/m3	0.70	2.13	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Tetrachloroethylene	12/01/23 - 13/01/23	ug/m3	0.11	0.34	Not Detected	400	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Toluene	12/01/23 - 13/01/23	ug/m3	0.60	1.88	3.92	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,2-Dichloroethene	12/01/23 - 13/01/23	ug/m3	0.70	1.98	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
trans-1,3-Dichloropro pene	12/01/23 - 13/01/23	ug/m3	0.80	2.27	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Trichloroethylene	12/01/23 - 13/01/23	ug/m3	0.09	0.27	Not Detected	130	Based on US EPA Compendium Method, TO-15	PCD	Rayong

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Approved by

Dej Changchon
Senior Manager

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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-SCGCH-2019-352

Project Name : EIA Monitoring

Project Location : RIL 1996

Lot ID: 233388

Date Received : Jan 13, 2023

Date Reported : Feb 07, 2023

Report Number : 2557936-1C3

Page 8 of 8

Sample Number	233388-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	จุดตรวจมลพิษ (GPS 47P 0735259, 1408966)
Date Analysis Commenced	Jan 14, 2023
Condition of Sample	Drawn into one 6-L Canister and one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Trichlorofluoromethane (F-11)	12/01/23 - 13/01/23	ug/m3	0.90	2.81	<2.81	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Vinyl Acetate	12/01/23 - 13/01/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Vinyl Chloride	12/01/23 - 13/01/23	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).

Note : This Analysis test report is issued to supersede report No.2539446-1, Date Reported : Jan 27, 2023 due to revise analytical information.

Sampled By : Satcha Phetsawaeng

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 :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2312348

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report - uN ber : 255733541

Sample Number 23123f 841
 Sampled Date Feb 02, 2023
 Sample Description Air Quality
 Location นกฟ 7m0735259, 1f 089665
 Date Analysis Commenced Feb 06, 2023
 Condition of Sample Drawn into one 104L air saN pling bag and one 64L Canister

Page 1 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1,4Tetrachloroethane	02/02/23 403/02/23	ug/N 3	0.90	2.73	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
1,1,2,2,4Tetrachloroethane	02/02/23 403/02/23	ug/N 3	0.10	0.3f	- ot Detected 83		Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
1,1,2,4Tetrachloroethane	02/02/23 403/02/23	ug/N 3	1.00	3.83	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
1,1,2,4Tetrachloroethane	02/02/23 403/02/23	ug/N 3	0.90	2.73	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
1,1,4Dichloroethane	02/02/23 403/02/23	ug/N 3	0.70	2.02	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
1,1,4Dichloroethene	02/02/23 403/02/23	ug/N 3	0.70	1.98	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
1,2,3,4Tetrachlorobenzene	02/02/23 403/02/23	ug/N 3	0.80	2.f 6	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
1,2,f 4Tetrachlorobenzene	02/02/23 403/02/23	ug/N 3	1.20	3.71	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
1,2,f 4Tetrachlorobenzene	02/02/23 403/02/23	ug/N 3	0.80	2.f 6	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
1,2,4Dibromochloroethane	02/02/23 403/02/23	ug/N 3	0.10	0.38	- ot Detected 370		Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
1,2,4Dichlorobenzene	02/02/23 403/02/23	ug/N 3	0.20	0.60	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong

Approved by

Saranya C.

Garanya Chalernthanrong
 Scientist (f S)

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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 Monitoring

Project Location :

Lot ID: 2312348

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report - uN ber : 255733541

Sample Number 23123f 841
 Sampled Date Feb 02, 2023
 Sample Description Air Quality
 Location นกฟ 7m0735259, 1f 089665
 Date Analysis Commenced Feb 06, 2023
 Condition of Sample Drawn into one 104L air saN pling bag and one 64L Canister

Page 2 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2Dichloroethane	02/02/23 403/02/23	ug/N 3	0.07	0.20	0.57	f 8	Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
1,2,4Dichloropropane	02/02/23 403/02/23	ug/N 3	0.08	0.23	<0.23	82	Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
1,2,4Dichlorotetrafluoroethane	02/02/23 403/02/23	ug/N 3	1.20	3.50	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
1,3,5,4Tetrachlorobenzene	02/02/23 403/02/23	ug/N 3	0.80	2.f 6	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
1,3,4Butadiene	02/02/23 403/02/23	ug/N 3	0.0f	0.11	0.62	5.3	Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
1,3,4Dichlorobenzene	02/02/23 403/02/23	ug/N 3	0.20	0.60	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
1,f 4Dichlorobenzene	02/02/23 403/02/23	ug/N 3	0.20	0.60	- ot Detected 1100		Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
1,f 4Dioxane	02/02/23 403/02/23	ug/N 3	0.10	0.36	- ot Detected 860		Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
1,4Butanol	02/02/23 403/02/23	ug/N 3	0.50	1.52	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
1,4Propanol	02/02/23 403/02/23	ug/N 3	0.f 0	1.23	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
2,4Hexanone	02/02/23 403/02/23	ug/N 3	0.70	2.05	- ot Detected - o	Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong

Approved by

Saranya C.

Garanya Chalernthanrong
 Scientist (f S)

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2312348

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report - uN ber : 255733541

Sample Number 23123F 841
Sampled Date Feb 02, 2023
Sample Description Air Quality
Location นนทบุรี () 7m0735259, 1f 089665
Date Analysis Commenced Feb 06, 2023
Condition of Sample Drawn into one 104L air saN pling bag and one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
24mentanone	02/02/23 403/02/23	ug/N 3	0.60	1.76	- ot Detected - o Gandard		Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
24mropanol	02/02/23 403/02/23	ug/N 3	0.10	1.23	2.65	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
34hexanone	02/02/23 403/02/23	ug/N 3	0.70	2.05	- ot Detected - o Gandard		Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
34mentanone	02/02/23 403/02/23	ug/N 3	0.60	1.76	- ot Detected - o Gandard		Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Acetaldehyde	02/02/23 403/02/23	ug/N 3	0.05	0.18	3.07	860	Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
Acetone	02/02/23 403/02/23	ug/N 3	0.08	0.2f	15.58	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Acetonitrile	02/02/23 403/02/23	ug/N 3	0.30	0.8f	- ot Detected - o Gandard		Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Acrolein	02/02/23 403/02/23	ug/N 3	0.08	0.23	0.55	0.55	Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
Acrylonitrile	02/02/23 403/02/23	ug/N 3	0.07	0.22	0.56	10	Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
Benzene	02/02/23 403/02/23	ug/N 3	0.05	0.16	3.00	7.6	Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
Benzyl Chloride	02/02/23 403/02/23	ug/N 3	0.17	0.52	- ot Detected 12		Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong

Approved by

Saranya C.

Garanya Chalernthanrong
Scientist (f S)

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Analysis / Test Report

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2312348

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report - uN ber : 255733541

Sample Number 23123F 841
Sampled Date Feb 02, 2023
Sample Description Air Quality
Location นนทบุรี () 7m0735259, 1f 089665
Date Analysis Commenced Feb 06, 2023
Condition of Sample Drawn into one 104L air saN pling bag and one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
BroN odichloroN ethane	02/02/23 403/02/23	ug/N 3	1.00	3.35	- ot Detected - o Gandard		Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
BroN oRrN	02/02/23 403/02/23	ug/N 3	1.00	5.17	- ot Detected - o Gandard		Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
BroN oN ethane	02/02/23 403/02/23	ug/N 3	0.06	0.19	<0.19	190	Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
Butanal	02/02/23 403/02/23	ug/N 3	0.19	1.17	<1.17	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Carbon Disulfide	02/02/23 403/02/23	ug/N 3	0.05	0.16	0.75	100	Based on UG EnA CoN pendiuN Method, TO415	- EB	Rayong
Carbon Tetrachloride	02/02/23 403/02/23	ug/N 3	0.10	0.31	<0.31	150	Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
Chlorobenzene	02/02/23 403/02/23	ug/N 3	0.80	2.30	- ot Detected - o Gandard		Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
ChlorodifluoroN ethane (HCFC-22S)	02/02/23 403/02/23	ug/N 3	0.60	1.77	<1.77	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Chloroethane	02/02/23 403/02/23	ug/N 3	0.10	1.32	- ot Detected - o Gandard		Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
ChloroRrN	02/02/23 403/02/23	ug/N 3	0.08	0.2f	<0.2f	57	Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
ChloroN ethane	02/02/23 403/02/23	ug/N 3	0.30	1.03	2.02	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong

Approved by

Saranya C.

Garanya Chalernthanrong
Scientist (f S)

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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 Monitoring

Project Location :

Lot ID: 2312348

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report - uN ber : 255733541

Sample Number 23123F 841
Sampled Date Feb 02, 2023
Sample Description Air Quality
Location ม.ก.ฟ. 7m0735259, 1f 089665
Date Analysis Commenced Feb 06, 2023
Condition of Sample Drawn into one 104L air saN pling bag and one 64L Canister

Page 5 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
cis-4,2-Dichloroethene	02/02/23 403/02/23	ug/N 3	0.70	1.98	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
cis-4,3-Dichloropropene	02/02/23 403/02/23	ug/N 3	0.80	2.27	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Cyclohexane	02/02/23 403/02/23	ug/N 3	0.60	1.72	<1.72	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Cyclopentane	02/02/23 403/02/23	ug/N 3	0.50	1.f 3	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
DichlorodifluoroN ethane (CFC4112S)	02/02/23 403/02/23	ug/N 3	0.80	2.f 7	2.87	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
DichloroN ethane	02/02/23 403/02/23	ug/N 3	0.06	0.17	0.69	210	Based on UG EnA CoN pendiuN Method, TO415	mCD	Rayong
Ethanol	02/02/23 403/02/23	ug/N 3	0.30	0.9f	23.7f	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Ethyl Benzene	02/02/23 403/02/23	ug/N 3	0.70	2.17	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Ethylene	02/02/23 403/02/23	ppN	4	1.0	<1.0	- o Gandard	Based on AGTM, D 2712	4	Bangkok
Hexanal	02/02/23 403/02/23	ug/N 3	0.60	2.05	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Hexane	02/02/23 403/02/23	ug/N 3	0.60	1.76	3.31	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong

Approved by

Saranya C.

Garanya Chalernthanrong
Scientist (f S)

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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 Monitoring

Project Location :

Lot ID: 2312348

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report - uN ber : 255733541

Sample Number 23123F 841
Sampled Date Feb 02, 2023
Sample Description Air Quality
Location ม.ก.ฟ. 7m0735259, 1f 089665
Date Analysis Commenced Feb 06, 2023
Condition of Sample Drawn into one 104L air saN pling bag and one 64L Canister

Page 6 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isobutene	02/02/23 403/02/23	ug/N 3	0.f 0	1.15	5.05	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Isoprene	02/02/23 403/02/23	ug/N 3	0.50	1.39	<1.39	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
N ,p-Kylene	02/02/23 403/02/23	ug/N 3	1.50	f .3f	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Methacrolein	02/02/23 403/02/23	ug/N 3	0.50	1.f 3	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Methanol	02/02/23 403/02/23	ug/N 3	0.20	0.66	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Methyl Ethyl Ketone	02/02/23 403/02/23	ug/N 3	0.50	1.f 7	1.59	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Methyl Iodide	02/02/23 403/02/23	ug/N 3	0.90	2.90	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Methyl Isobutyl Ketone	02/02/23 403/02/23	ug/N 3	0.70	2.05	<2.05	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Methyl tert butyl ether	02/02/23 403/02/23	ug/N 3	0.60	1.80	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Methyl Vinyl Ketone	02/02/23 403/02/23	ug/N 3	0.50	1.f 3	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
o-Kylene	02/02/23 403/02/23	ug/N 3	0.70	2.17	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong

Approved by

Saranya C.

Garanya Chalernthanrong
Scientist (f S)

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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 Monitoring

Project Location :

Lot ID: 2312348

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report - uN ber : 255733541

Page 7 of 8

Sample Number	23123F841
Sampled Date	Feb 02, 2023
Sample Description	Air Quality
Location	ถนนพหลโยธิน () กม. 7 ม. 0735259, 1f 08966S
Date Analysis Commenced	Feb 06, 2023
Condition of Sample	Drawn into one 104L air sampling bag and one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
mentanal	02/02/23 403/02/23	ug/N 3	0.50	1.76	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
mentane	02/02/23 403/02/23	ug/N 3	0.50	1.68	3.95	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
mropanal	02/02/23 403/02/23	ug/N 3	0.50	1.19	1.38	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
mropene (mropyleneS	02/02/23 403/02/23	ug/N 3	0.30	0.86	17.76	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
mropylene	02/02/23 403/02/23	ppN	4	1.0	<1.0	- o Gandard	Based on AGTM, D2712418	4	Bangkok
Gyrene	02/02/23 403/02/23	ug/N 3	0.70	2.13	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Tetrachloroethylene	02/02/23 403/02/23	ug/N 3	0.11	0.3f	- ot Detected f 00		Based on UG EnA CoN pendiuN Method, TO415	nCD	Rayong
Toluene	02/02/23 403/02/23	ug/N 3	0.60	1.88	2.0f	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
trans4,2Dichloroethene	02/02/23 403/02/23	ug/N 3	0.70	1.98	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
trans4,3Dichloropropene	02/02/23 403/02/23	ug/N 3	0.80	2.27	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Trichloroethylene	02/02/23 403/02/23	ug/N 3	0.09	0.27	- ot Detected 130		Based on UG EnA CoN pendiuN Method, TO415	nCD	Rayong

Approved by

Saranya C.

Garanya Chalernthanrong
Scientist (FS)

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Client : RIL 1996 Co., Ltd.

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2312348

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report - uN ber : 255733541

Page 8 of 8

Sample Number	23123F841
Sampled Date	Feb 02, 2023
Sample Description	Air Quality
Location	ถนนพหลโยธิน () กม. 7 ม. 0735259, 1f 08966S
Date Analysis Commenced	Feb 06, 2023
Condition of Sample	Drawn into one 104L air sampling bag and one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Trichlorofluoromethane (F415)	02/02/23 403/02/23	ug/N 3	0.90	2.81	<2.81	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Vinyl Acetate	02/02/23 403/02/23	ug/N 3	0.60	1.76	- ot Detected	- o Gandard	Based on UG EnA CoN pendiuN Method, TO415	4	Rayong
Vinyl Chloride	02/02/23 403/02/23	ug/N 3	0.0f	0.13	1.6f	20	Based on UG EnA CoN pendiuN Method, TO415	nCD	Rayong

Guideline :

- EB : - otification of the Environmental Protection Board, B.E. 2560 (2017S)

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

Sampled By : - orranon TathongkhaN

Remark :

- LOD : Limit of Detection

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

Approved by

Saranya C.

Garanya Chalernthanrong
Scientist (FS)

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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 Monitoring

Project Location :

Lot ID: 2321430

2ate ReDeiced : Mar 03, 2023

2ate Reported : Mar 16, 2023

Report Su7 4er : JvFF8J 1bl

Sample Number J3J1n80bl
Sampled Date Mar 03, 2023
Sample Description Air Puality
Location ชุมชนบ้านนาบอน หมู่ที่ ๓ ต. 0F3vJv9E , 1n089665Q
Date Analysis Commenced Mar 09, 2023
Condition of Sample 2rawn into one 6bl. Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1btriChloroethane	03/03/23 b03/03/23	ug/7 3	0.90	J.F3	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,1,1,1bTetraChloroethane	03/03/23 b03/03/23	ug/7 3	0.10	0.3m	5ot 2eteDted 83		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,1,1btriChlorob1,1,1btriFluoroethane	03/03/23 b03/03/23	ug/7 3	1.00	3.83	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,1,1btriChloroethane	03/03/23 b03/03/23	ug/7 3	0.90	J.F3	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,1b2iChloroethane	03/03/23 b03/03/23	ug/7 3	0.F0	J.0J	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,1b2iChloroethene	03/03/23 b03/03/23	ug/7 3	0.F0	1.98	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3,3btri7 ethyl4enUene	03/03/23 b03/03/23	ug/7 3	0.80	J.n6	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3,3btriChloro4enUene	03/03/23 b03/03/23	ug/7 3	1.J0	3.F1	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3,3btri7 ethyl4enUene	03/03/23 b03/03/23	ug/7 3	0.80	J.n6	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3b2i4ro7 oethane	03/03/23 b03/03/23	ug/7 3	0.10	0.38	5ot 2eteDted 3F0		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,3b2iChloro4enUene	03/03/23 b03/03/23	ug/7 3	0.J0	0.60	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong

Approved by

Zee ChangDhon
enior Manager

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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 Monitoring

Project Location :

Lot ID: 2321430

2ate ReDeiced : Mar 03, 2023

2ate Reported : Mar 16, 2023

Report Su7 4er : JvFF8J 1bl

Sample Number J3J1n80bl
Sampled Date Mar 03, 2023
Sample Description Air Puality
Location ชุมชนบ้านนาบอน หมู่ที่ ๓ ต. 0F3vJv9E , 1n089665Q
Date Analysis Commenced Mar 09, 2023
Condition of Sample 2rawn into one 6bl. Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,3b2iChloroethane	03/03/23 b03/03/23	ug/7 3	0.0F	0.J0	<0.J0	n8	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,3b2iChloropropane	03/03/23 b03/03/23	ug/7 3	0.08	0.J3	5ot 2eteDted 8J		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,3b2iChlorotetrafluoroethane	03/03/23 b03/03/23	ug/7 3	1.J0	3.v0	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3,3btri7 ethyl4enUene	03/03/23 b03/03/23	ug/7 3	0.80	J.n6	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3bGutadiene	03/03/23 b03/03/23	ug/7 3	0.0m	0.11	0.n0	v.3	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,3b2iChloro4enUene	03/03/23 b03/03/23	ug/7 3	0.J0	0.60	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3b2iChloro4enUene	03/03/23 b03/03/23	ug/7 3	0.J0	0.60	5ot 2eteDted 1100		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,3b2ioCane	03/03/23 b03/03/23	ug/7 3	0.10	0.36	5ot 2eteDted 860		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1bGutanol	03/03/23 b03/03/23	ug/7 3	0.v0	1.vJ	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1b-ropanol	03/03/23 b03/03/23	ug/7 3	0.n0	1.J3	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1bHeCanone	03/03/23 b03/03/23	ug/7 3	0.F0	J.0v	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong

Approved by

Zee ChangDhon
enior Manager

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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 Monitoring

Project Location :

Lot ID: 2321430

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF8J1bl

Sample Number J3J1n80bl
Sampled Date Mar 03, 2013
Sample Description Air Puality
Location ชุมชนบ้านนาบอน หมู่ที่ ๓ ต. 0F3vJv9E , 1n089665Q
Date Analysis Commenced Mar 09, 2013
Condition of Sample 2 rawn into one 6bl. Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Jb-entanone	01/03/13 b03/03/13	ug/7 3	0.60	1.F6	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Jb-ropanol	01/03/13 b03/03/13	ug/7 3	0.n0	1.J3	<1.J3 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
3Hecanone	01/03/13 b03/03/13	ug/7 3	0.F0	1.0v	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
3b-entanone	01/03/13 b03/03/13	ug/7 3	0.60	1.F6	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ADetaldehyde	01/03/13 b03/03/13	ug/7 3	0.0v	0.18	3.ml 860		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
ADetone	01/03/13 b03/03/13	ug/7 3	0.08	0.Jm	11.vm 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ADetonitrile	01/03/13 b03/03/13	ug/7 3	0.30	0.8m	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ADrolein	01/03/13 b03/03/13	ug/7 3	0.08	0.J3	<0.J3 0.vv		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
ADrylonitrile	01/03/13 b03/03/13	ug/7 3	0.0F	0.JJ	5ot 2eteDted 10		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
GenUene	01/03/13 b03/03/13	ug/7 3	0.0v	0.16	J.F8 F.6		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
GenUyl Chloride	01/03/13 b03/03/13	ug/7 3	0.1F	0.vJ	5ot 2eteDted 1J		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong

Approved by

Zee ChangDhon
Senior Manager

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Analysis / Test Report

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2321430

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF8J1bl

Sample Number J3J1n80bl
Sampled Date Mar 03, 2013
Sample Description Air Puality
Location ชุมชนบ้านนาบอน หมู่ที่ ๓ ต. 0F3vJv9E , 1n089665Q
Date Analysis Commenced Mar 09, 2013
Condition of Sample 2 rawn into one 6bl. Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Gro7 odichloro7 ethane	01/03/13 b03/03/13	ug/7 3	1.00	3.3v	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Gro7 onr7	01/03/13 b03/03/13	ug/7 3	1.00	v.1F	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Gro7 o7 ethane	01/03/13 b03/03/13	ug/7 3	0.06	0.19	<0.19 190		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
Gutanol	01/03/13 b03/03/13	ug/7 3	0.m9	1.mF	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Car4on 2isulfide	01/03/13 b03/03/13	ug/7 3	0.0v	0.16	<0.16 100		Gased on () E-A Co7 pendiu7 Method, TBblv	5EG	Rayong
Car4on TetraChloride	01/03/13 b03/03/13	ug/7 3	0.10	0.31	<0.31 1v0		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
Chloro4enUene	01/03/13 b03/03/13	ug/7 3	0.80	J.30	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Chlorodifluoro7 ethane fHCxCblJQ	01/03/13 b03/03/13	ug/7 3	0.60	1.FF	<1.FF 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Chloroethane	01/03/13 b03/03/13	ug/7 3	0.m0	1.J3	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ChloroNr7	01/03/13 b03/03/13	ug/7 3	0.08	0.Jm	0.J9 vF		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
Chloro7 ethane	01/03/13 b03/03/13	ug/7 3	0.30	1.03	1.F3 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong

Approved by

Zee ChangDhon
Senior Manager

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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 Monitoring

Project Location :

Lot ID: 2321430

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF8J1bl

Sample Number J3J1n80bl
Sampled Date Mar 01, 2013
Sample Description Air Puality
Location ชุมชนบ้านนาบูน หมู่ที่ ๓ ต. 0F3vJv9E , 1n089665Q
Date Analysis Commenced Mar 09, 2013
Condition of Sample 2 rawn into one 6bl. Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Dstl, Jbl Chloroethene	01/03/13 b03/03/13	ug/7 3	0.F0	1.98	5ot 2eteDed 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Dstl, 3bl Chloropropene	01/03/13 b03/03/13	ug/7 3	0.80	J.JF	5ot 2eteDed 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
CyDoheQane	01/03/13 b03/03/13	ug/7 3	0.60	1.FJ	<1.FJ 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
CyDopentane	01/03/13 b03/03/13	ug/7 3	0.v0	1.n8	<1.n8 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
2l Chlorodifluoro7 ethane fCxblJ1Q	01/03/13 b03/03/13	ug/7 3	0.80	J.nF	<J.nF 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
2l Chloro7 ethane	01/03/13 b03/03/13	ug/7 3	0.06	0.1F	1.0m J10		Gased on () E- A Co7 pendiu7 Method, TBblv	-C2	Rayong
Ethanol	01/03/13 b03/03/13	ug/7 3	0.30	0.9m	6.F8 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Ethyl GenUene	01/03/13 b03/03/13	ug/7 3	0.F0	J.1F	5ot 2eteDed 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
HeQanal	01/03/13 b03/03/13	ug/7 3	0.60	J.0v	5ot 2eteDed 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
HeQane	01/03/13 b03/03/13	ug/7 3	0.60	1.F6	3.81 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Iso4utene	01/03/13 b03/03/13	ug/7 3	0.m0	1.1v	1.6v 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong

Approved by

Zee ChangDhon
Senior Manager

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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 Monitoring

Project Location :

Lot ID: 2321430

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF8J1bl

Sample Number J3J1n80bl
Sampled Date Mar 01, 2013
Sample Description Air Puality
Location ชุมชนบ้านนาบูน หมู่ที่ ๓ ต. 0F3vJv9E , 1n089665Q
Date Analysis Commenced Mar 09, 2013
Condition of Sample 2 rawn into one 6bl. Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	01/03/13 b03/03/13	ug/7 3	0.v0	1.39	<1.39 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
7 ,ptj ylene	01/03/13 b03/03/13	ug/7 3	1.v0	m3m	5ot 2eteDed 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
MethaDrolein	01/03/13 b03/03/13	ug/7 3	0.v0	1.n8	5ot 2eteDed 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methanol	01/03/13 b03/03/13	ug/7 3	0.J0	0.66	10.n6 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl Ethyl Xetone	01/03/13 b03/03/13	ug/7 3	0.v0	1.nF	<1.nF 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl Iodide	01/03/13 b03/03/13	ug/7 3	0.90	J.90	5ot 2eteDed 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl Iso4utyl Xetone	01/03/13 b03/03/13	ug/7 3	0.F0	J.0v	<J.0v 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl tert 4utyl ether	01/03/13 b03/03/13	ug/7 3	0.60	1.80	5ot 2eteDed 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl Kinyl Xetone	01/03/13 b03/03/13	ug/7 3	0.v0	1.n8	5ot 2eteDed 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
otj ylene	01/03/13 b03/03/13	ug/7 3	0.F0	J.1F	5ot 2eteDed 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
-entanal	01/03/13 b03/03/13	ug/7 3	0.v0	1.F6	5ot 2eteDed 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong

Approved by

Zee ChangDhon
Senior Manager

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Client : RIL 1996 Co., Ltd.

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2321430

2ate ReDeiced : Mar 03, 2023

2ate Reported : Mar 16, 2023

Report Su7 4er : JvFF8J1bl

- age F oN8

Sample Number	J3J1n80bl
Sampled Date	Mar 03, 2023
Sample Description	Air Puality
Location	ขงขงขงขงขงขงขงขงขงขง 0F3vJv9E , 1n089665Q
Date Analysis Commenced	Mar 09, 2023
Condition of Sample	2rawn into one 6bl Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
- entane	01/03/13 b03/03/13	ug/7 3	0.v0	1.n8	10.18	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
- ropanal	01/03/13 b03/03/13	ug/7 3	0.v0	1.19	<1.19	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
- ropene f- ropyleneQ	01/03/13 b03/03/13	ug/7 3	0.30	0.86	8.93	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
) tyrene	01/03/13 b03/03/13	ug/7 3	0.F0	J.13	5ot 2eteDted 5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong	
TetraChloroethylene	01/03/13 b03/03/13	ug/7 3	0.11	0.3m	5ot 2eteDted n00	Gased on () E- A Co7 pendiu7 Method, TBblv	- C2	Rayong	
Toluene	01/03/13 b03/03/13	ug/7 3	0.60	1.88	J.9m	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
transbl, Jb2iDhloroethene	01/03/13 b03/03/13	ug/7 3	0.F0	1.98	5ot 2eteDted 5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong	
transbl, 3b2iDhloropropene	01/03/13 b03/03/13	ug/7 3	0.80	J.JF	5ot 2eteDted 5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong	
TriDhloroethylene	01/03/13 b03/03/13	ug/7 3	0.09	0.JF	5ot 2eteDted 130	Gased on () E- A Co7 pendiu7 Method, TBblv	- C2	Rayong	
TriDhloroNuoro7 ethane fxb11Q	01/03/13 b03/03/13	ug/7 3	0.90	J.81	<J.81	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Kinyl ADetate	01/03/13 b03/03/13	ug/7 3	0.60	1.F6	5ot 2eteDted 5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong	

Approved by

D. ChangDhon

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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 Monitoring

Project Location :

Lot ID: 2321430

2ate ReDeiced : Mar 03, 2023

2ate Reported : Mar 16, 2023

Report Su7 4er : JvFF8J1bl

- age 8 oN8

Sample Number	J3J1n80bl
Sampled Date	Mar 03, 2023
Sample Description	Air Puality
Location	ขงขงขงขงขงขงขงขงขงขง 0F3vJv9E , 1n089665Q
Date Analysis Commenced	Mar 09, 2023
Condition of Sample	2rawn into one 6bl Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Kinyl Chloride	01/03/23 b03/03/23	ug/7 3	0.0m	0.13	0.31	J0	Gased on () E- A Co7 pendiu7 Method, TBblv	-C2	Rayong

Guideline :

5EG : 5otiNDation oN5ational Eciron7 ent Goard, G.E. Jv60 fJ01FQ

-C2 : 5otiNDation oNthe - ollution Control 2epart7 ent, whiDh was puDlished in the Royal Socern7 ent SaUette Kol. 116) peDal - art 13 2 dated Vauary JF,

G.E. JvvJ fJ009Q

Sampled By : - uwanart - i7 pan

Re7 ark :

- LB2 : Li7 it oN2 eteDtion

- "<" : Lower than LBP fli7 it oNPuantitationQ/ LBR fli7 it oNReportingQ

Approved by

D. ChangDhon

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enior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2332400

vate ReFeibed : Apr 0c, 2023

vate Reported : Apr 08, 2023

Report 7u4 - er : 2602015J1

Page 1 of 8

Sample Number	2332c00J1
Sampled Date	Apr 03, 2023
Sample Description	Air muality
Location	ขงขงขงขงขงขง Pฟฟค cf E Of 35259D , 1c089667Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1JTriFloroethane	03/0c/23 J 0c/0c/23	ug/4 3	0.90	2.f 3	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
1,1,2,2JTriFloroethane	03/0c/23 J 0c/0c/23	ug/4 3	0.10	0.3c	7ot v etePted 83		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
1,1,2JTriFloroJ1,2,2JTriFluoroethane	03/0c/23 J 0c/0c/23	ug/4 3	1.00	3.83	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
1,1,2JTriFloroethane	03/0c/23 J 0c/0c/23	ug/4 3	0.90	2.f 3	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
1,1Jv iFloroethane	03/0c/23 J 0c/0c/23	ug/4 3	0.f 0	2.02	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
1,1Jv iFloroethene	03/0c/23 J 0c/0c/23	ug/4 3	0.f 0	1.98	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
1,2,3JTri4 ethyl- enUene	03/0c/23 J 0c/0c/23	ug/4 3	0.80	2.c 6	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
1,2,cJTriFloro- enUene	03/0c/23 J 0c/0c/23	ug/4 3	1.20	3.f 1	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
1,2,cJTri4 ethyl- enUene	03/0c/23 J 0c/0c/23	ug/4 3	0.80	2.c 6	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
1,2Jv i- ro4 oethane	03/0c/23 J 0c/0c/23	ug/4 3	0.10	0.38	7ot v etePted 3f 0		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
1,2Jv iFloro- enUene	03/0c/23 J 0c/0c/23	ug/4 3	0.20	0.60	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong

Approved by

D. Phonsa

vez ChangPhon
enior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2332400

vate ReFeibed : Apr 0c, 2023

vate Reported : Apr 08, 2023

Report 7u4 - er : 2602015J1

Page 2 of 8

Sample Number	2332c00J1
Sampled Date	Apr 03, 2023
Sample Description	Air muality
Location	ขงขงขงขงขงขง Pฟฟค cf E Of 35259D , 1c089667Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2Jv iFloroethane	03/0c/23 J 0c/0c/23	ug/4 3	0.0f	0.20	7ot v etePted c8		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
1,2Jv iFloropropane	03/0c/23 J 0c/0c/23	ug/4 3	0.08	0.23	7ot v etePted 82		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
1,2Jv iFlorotetrafluoroethane	03/0c/23 J 0c/0c/23	ug/4 3	1.20	3.50	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
1,3,5JTri4 ethyl- enUene	03/0c/23 J 0c/0c/23	ug/4 3	0.80	2.c 6	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
1,3JGutadiene	03/0c/23 J 0c/0c/23	ug/4 3	0.0c	0.11	<0.11	5.3	Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
1,3Jv iFloro- enUene	03/0c/23 J 0c/0c/23	ug/4 3	0.20	0.60	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
1,cJv iFloro- enUene	03/0c/23 J 0c/0c/23	ug/4 3	0.20	0.60	7ot v etePted 1100		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
1,cJv ioQane	03/0c/23 J 0c/0c/23	ug/4 3	0.10	0.36	7ot v etePted 860		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
1JGutanol	03/0c/23 J 0c/0c/23	ug/4 3	0.50	1.52	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
1JErופן	03/0c/23 J 0c/0c/23	ug/4 3	0.c 0	1.23	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
2JHeQanone	03/0c/23 J 0c/0c/23	ug/4 3	0.f 0	2.05	7ot v etePted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong

Approved by

D. Phonsa

vez ChangPhon
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Analysis / Test Report

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2332400

vate ReFeibed : Apr 0c, 2023

vate Reported : Apr 08, 2023

Report 7u4 - er : 2602015J1

Eage 3 oN8

Sample Number	2332c00J1
Sampled Date	Apr 03, 2023
Sample Description	Air muality
Location	ขงขงขงขงขงขง Pฟฟค cf E Of 35259D , 1c089667Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2JEentanone	03/0c/23 J 0c/0c/23	ug/4 3	0.60	1.f 6	7ot v eteFted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
2JErpanol	03/0c/23 J 0c/0c/23	ug/4 3	0.c0	1.23	3.39 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
3JHeQanone	03/0c/23 J 0c/0c/23	ug/4 3	0.f0	2.05	7ot v eteFted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
3JEentanone	03/0c/23 J 0c/0c/23	ug/4 3	0.60	1.f 6	7ot v eteFted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
AFetaldehyde	03/0c/23 J 0c/0c/23	ug/4 3	0.05	0.18	1.3f 860		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
AFetone	03/0c/23 J 0c/0c/23	ug/4 3	0.08	0.2c	3.9c 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
AFetonitrile	03/0c/23 J 0c/0c/23	ug/4 3	0.30	0.8c	7ot v eteFted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
AFrolein	03/0c/23 J 0c/0c/23	ug/4 3	0.08	0.23	<0.23 0.55		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
AFrylonitrile	03/0c/23 J 0c/0c/23	ug/4 3	0.0f	0.22	7ot v eteFted 10		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
GenUene	03/0c/23 J 0c/0c/23	ug/4 3	0.05	0.16	0.c5 f.6		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
GenUyl Chloride	03/0c/23 J 0c/0c/23	ug/4 3	0.1f	0.52	7ot v eteFted 12		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2332400

vate ReFeibed : Apr 0c, 2023

vate Reported : Apr 08, 2023

Report 7u4 - er : 2602015J1

Eage c oN8

Sample Number	2332c00J1
Sampled Date	Apr 03, 2023
Sample Description	Air muality
Location	ขงขงขงขงขงขง Pฟฟค cf E Of 35259D , 1c089667Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Gr04 odifloro4 ethane	03/0c/23 J 0c/0c/23	ug/4 3	1.00	3.35	7ot v eteFted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
Gr04 oNr4	03/0c/23 J 0c/0c/23	ug/4 3	1.00	5.1f	7ot v eteFted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
Gr04 o4 ethane	03/0c/23 J 0c/0c/23	ug/4 3	0.06	0.19	<0.19 190		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
Gutanal	03/0c/23 J 0c/0c/23	ug/4 3	0.c9	1.cf	7ot v eteFted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
Car- on visulNde	03/0c/23 J 0c/0c/23	ug/4 3	0.05	0.16	7ot v eteFted 100		Gased on () DEA Co4 pendiu4 Method, TB.J15	7DG	Rayong
Car- on TetraFloride	03/0c/23 J 0c/0c/23	ug/4 3	0.10	0.31	<0.31 150		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
Chloro- enUene	03/0c/23 J 0c/0c/23	ug/4 3	0.80	2.30	7ot v eteFted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
ChlorodilNuoro4 ethane PHCxCJ22Q	03/0c/23 J 0c/0c/23	ug/4 3	0.60	1.ff	<1.ff 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
Chloroethane	03/0c/23 J 0c/0c/23	ug/4 3	0.c0	1.32	7ot v eteFted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
ChloroNr4	03/0c/23 J 0c/0c/23	ug/4 3	0.08	0.2c	<0.2c 5f		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
Chloro4 ethane	03/0c/23 J 0c/0c/23	ug/4 3	0.30	1.03	1.53 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong

Approved by

D. Phonsa

vez ChangPhon
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P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2332400

vate ReFeilbed : Apr 0c, 2023

vate Reported : Apr 08, 2023

Report 7u4 - er : 2602015J1

Page 5 of 8

Sample Number	2332c00J1
Sampled Date	Apr 03, 2023
Sample Description	Air muality
Location	ขงขงขงขงขงขง Pฟฟฟ cf E Of 35259D , 1c089667Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
FisJ1,2Jv iFlhloroethene	03/0c/23 J 0c/0c/23	ug/4 3	0.f0	1.98	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
FisJ1,3Jv iFlhloropropene	03/0c/23 J 0c/0c/23	ug/4 3	0.80	2.2f	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
CyFloheQane	03/0c/23 J 0c/0c/23	ug/4 3	0.60	1.f2	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
CyFlopentane	03/0c/23 J 0c/0c/23	ug/4 3	0.50	1.c3	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
v iFlhlorodifluoro4 ethane RxCJ112Q	03/0c/23 J 0c/0c/23	ug/4 3	0.80	2.cf	<2.cf 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
v iFlhloro4 ethane	03/0c/23 J 0c/0c/23	ug/4 3	0.06	0.1f	0.28 210		Gased on () DEA Co4 pendiu4 Method, TB.J15	ECv	Rayong
Dthanol	03/0c/23 J 0c/0c/23	ug/4 3	0.30	0.9c	6.f5 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
Dthyl GenUene	03/0c/23 J 0c/0c/23	ug/4 3	0.f0	2.1f	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
HeQanal	03/0c/23 J 0c/0c/23	ug/4 3	0.60	2.05	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
HeQane	03/0c/23 J 0c/0c/23	ug/4 3	0.60	1.f6	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
Iso- utene	03/0c/23 J 0c/0c/23	ug/4 3	0.c0	1.15	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong

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enior Manager

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Analysis / Test Report

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2332400

vate ReFeilbed : Apr 0c, 2023

vate Reported : Apr 08, 2023

Report 7u4 - er : 2602015J1

Page 6 of 8

Sample Number	2332c00J1
Sampled Date	Apr 03, 2023
Sample Description	Air muality
Location	ขงขงขงขงขงขง Pฟฟฟ cf E Of 35259D , 1c089667Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	03/0c/23 J 0c/0c/23	ug/4 3	0.50	1.39	<1.39 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
4 ,pJ ylene	03/0c/23 J 0c/0c/23	ug/4 3	1.50	c.3c	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
MethaFrolein	03/0c/23 J 0c/0c/23	ug/4 3	0.50	1.c3	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
Methanol	03/0c/23 J 0c/0c/23	ug/4 3	0.20	0.66	8.5c 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
Methyl Dthyl Xetone	03/0c/23 J 0c/0c/23	ug/4 3	0.50	1.cf	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
Methyl Iodide	03/0c/23 J 0c/0c/23	ug/4 3	0.90	2.90	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
Methyl Iso- utyl Xetone	03/0c/23 J 0c/0c/23	ug/4 3	0.f0	2.05	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
Methyl tert - utyl ether	03/0c/23 J 0c/0c/23	ug/4 3	0.60	1.80	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
Methyl Kinyl Xetone	03/0c/23 J 0c/0c/23	ug/4 3	0.50	1.c3	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
oJ ylene	03/0c/23 J 0c/0c/23	ug/4 3	0.f0	2.1f	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong
Eentanal	03/0c/23 J 0c/0c/23	ug/4 3	0.50	1.f6	7ot v eteRted 7o) tandard		Gased on () DEA Co4 pendiu4 Method, TB.J15	J	Rayong

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Project Location :

Report 7u4 - er : 2602015J1

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Sample Number	2332c00j1
Sampled Date	Apr 03, 2023
Sample Description	Air quality
Location	ชุมชนบ้านนาโพธิ์ คีรี E Of 35259D, 1c089667 Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	drawn into one 63L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Eentane	03/0c/23 J 0c/0c/23	ug/4 3	0.50	1.c8	<1.c8	7o)tandard	Gased on () DEA Co4 pendiu4 Method, TB J15	J	Rayong
Eropanal	03/0c/23 J 0c/0c/23	ug/4 3	0.50	1.19	<1.19	7o)tandard	Gased on () DEA Co4 pendiu4 Method, TB J15	J	Rayong
Eropene FEropyleneQ	03/0c/23 J 0c/0c/23	ug/4 3	0.30	0.86	<0.86	7o)tandard	Gased on () DEA Co4 pendiu4 Method, TB J15	J	Rayong
) tyrene	03/0c/23 J 0c/0c/23	ug/4 3	0.f0	2.13	7ot v eteFted 7o)tandard	Gased on () DEA Co4 pendiu4 Method, TB J15	J	Rayong	
TetraFlhloroethylene	03/0c/23 J 0c/0c/23	ug/4 3	0.11	0.3c	7ot v eteFted c00	Gased on () DEA Co4 pendiu4 Method, TB J15	ECv	Rayong	
Toluene	03/0c/23 J 0c/0c/23	ug/4 3	0.60	1.88	<1.88	7o)tandard	Gased on () DEA Co4 pendiu4 Method, TB J15	J	Rayong
transJ1,2Jv iFhloroethene	03/0c/23 J 0c/0c/23	ug/4 3	0.f0	1.98	7ot v eteFted 7o)tandard	Gased on () DEA Co4 pendiu4 Method, TB J15	J	Rayong	
transJ1,3Jv iFhloropropene	03/0c/23 J 0c/0c/23	ug/4 3	0.80	2.2f	7ot v eteFted 7o)tandard	Gased on () DEA Co4 pendiu4 Method, TB J15	J	Rayong	
TriFlhloroethylene	03/0c/23 J 0c/0c/23	ug/4 3	0.09	0.2f	7ot v eteFted 130	Gased on () DEA Co4 pendiu4 Method, TB J15	ECv	Rayong	
TriFlhloroNuoro4 ethane FxJ11Q	03/0c/23 J 0c/0c/23	ug/4 3	0.90	2.81	<2.81	7o)tandard	Gased on () DEA Co4 pendiu4 Method, TB J15	J	Rayong
KinyI AFetate	03/0c/23 J 0c/0c/23	ug/4 3	0.60	1.f 6	7ot v eteFted 7o)tandard	Gased on () DEA Co4 pendiu4 Method, TB J15	J	Rayong	

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Project Location :

Report 7u4 - er : 2602015J1

Page 8 of 8

Sample Number	2332c0011
Sampled Date	Apr 03, 2023
Sample Description	Air quality
Location	ชุมชนบ้านหนองโพธิ์ cf E Of 35259D, 1c089667Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	drawn into one 6L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Kinyl Chloride	03/0c/23 J 0c/0c/23	ug/4 3	0.0c	0.13	7ot v eteFtd 20		Gased on () DEA Co4 pendiu4 Method, TB J15	ECv	Rayong

Guideline :

Sampled By : Anurak Tongkhazonsakda

Re4 ark :

- LBv : Li4 it oNvetePtion
- "<" : Lower than LBM FLi4 it oNmuantitationQ/ LBR FLi4 it oNReportingQ

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Lot ID: 2346416
 4ate ReDeiced : May 03, 2023
 4ate Reported : May 10, 2023
 Report 5uNmer : 2632v13-1

Page 1 ob8

Sample Number	23f6f 16-1
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	ชุมชนบ้านนา (พิกัด f vP 0v37279E , 1f 089665)
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Approved by

SaruN on BanDhongkit Supercisor

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Lot ID: 2346416
 4ate ReDeiced : May 03, 2023
 4ate Reported : May 10, 2023
 Report 5uNmer : 2632v13-1

Page 2 ob8

Sample Number	23f 6f 16-1
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	ชุมชนบ้านนาหมื่น (ทิศใต้ f vP 0v37279E , 1f 089665)
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Approved by

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Supercisor

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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 Monitoring
Project Location :

Lot ID: 2346416
Date Received : May 03, 2023
Date Reported : May 10, 2023
Report SuN ner : 2632v13-1

Page 3 of 8

Sample Number 23f 6f 16-1
Sampled Date May 02, 2023
Sample Description Air Quality
Location ชุมชนบ้านนาบอน (พิกัด f vP 0v37279E , 1f 089665)
Date Analysis Commenced May 0f, 2023
Condition of Sample 4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	02/07/23 - 03/07/23	ug/N 3	0.60	1.v6	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
2-Propanol	02/07/23 - 03/07/23	ug/N 3	0.f 0	1.23	3.20	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
3-Hexanone	02/07/23 - 03/07/23	ug/N 3	0.v0	2.07	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
3-Pentanone	02/07/23 - 03/07/23	ug/N 3	0.60	1.v6	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
ADetaldehyde	02/07/23 - 03/07/23	ug/N 3	0.07	0.18	9.31	860	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
ADetone	02/07/23 - 03/07/23	ug/N 3	0.08	0.2f	12.9v	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
ADetonitrile	02/07/23 - 03/07/23	ug/N 3	0.30	0.8f	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
ADrolein	02/07/23 - 03/07/23	ug/N 3	0.08	0.23	0.f 1	0.77	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
ADylonitrile	02/07/23 - 03/07/23	ug/N 3	0.0v	0.22	<0.22	10	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
Benzene	02/07/23 - 03/07/23	ug/N 3	0.07	0.16	1.21	v.6	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
Benzyl Chloride	02/07/23 - 03/07/23	ug/N 3	0.1v	0.72	5ot 4eteDted	12	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong

Approved by

N. Banhongkit

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

Lot ID: 2346416
Date Received : May 03, 2023
Date Reported : May 10, 2023
Report SuN ner : 2632v13-1

Page 4 of 8

Sample Number 23f 6f 16-1
Sampled Date May 02, 2023
Sample Description Air Quality
Location ชุมชนบ้านนาบอน (พิกัด f vP 0v37279E , 1f 089665)
Date Analysis Commenced May 0f, 2023
Condition of Sample 4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
BroN odiChloroN ethane	02/07/23 - 03/07/23	ug/N 3	1.00	3.37	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
BroN otbrN	02/07/23 - 03/07/23	ug/N 3	1.00	7.1v	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
BroN oN ethane	02/07/23 - 03/07/23	ug/N 3	0.06	0.19	<0.19	190	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
Butanal	02/07/23 - 03/07/23	ug/N 3	0.f 9	1.f v	<1.f v	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Carmon 4isulide	02/07/23 - 03/07/23	ug/N 3	0.07	0.16	<0.16	100	Based on US EPA CoN pendiuN Method, TO-17	5EB	Rayong
Carmon TetraChloride	02/07/23 - 03/07/23	ug/N 3	0.10	0.31	<0.31	170	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
Chloromenzene	02/07/23 - 03/07/23	ug/N 3	0.80	2.30	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
ChlorodiChloroN ethane (HCFC-22)	02/07/23 - 03/07/23	ug/N 3	0.60	1.vv	<1.vv	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Chloroethane	02/07/23 - 03/07/23	ug/N 3	0.f 0	1.32	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
ChlorotbrN	02/07/23 - 03/07/23	ug/N 3	0.08	0.2f	<0.2f	7v	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
ChloroN ethane	02/07/23 - 03/07/23	ug/N 3	0.30	1.03	2.19	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong

Approved by

N. Banhongkit

SaruN on BanHongkit
Supercisor

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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 Monitoring
Project Location :

Lot ID: 2346416
Date Received : May 03, 2023
Date Reported : May 10, 2023
Report Number : 2632v13-1

Page 7 of 8

Sample Number : 23F6F16-1
Sampled Date : May 02, 2023
Sample Description : Air Quality
Location : กรุงเทพมหานคร (พิกัด f vP 0v37279E , 1f 089665)
Date Analysis Commenced : May 0f, 2023
Condition of Sample : 4 drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Di-1,2-dichloroethene	02/07/23 - 03/07/23	ug/N3	0.v0	1.98	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Di-1,3-dichloropropene	02/07/23 - 03/07/23	ug/N3	0.80	2.2v	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
CyDohexane	02/07/23 - 03/07/23	ug/N3	0.60	1.v2	<1.v2	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
CyDopentane	02/07/23 - 03/07/23	ug/N3	0.70	1.f3	<1.f3	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
4iDichlorodifluoroN ethane (CFC-112)	02/07/23 - 03/07/23	ug/N3	0.80	2.f v	3.66	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
4iChloroN ethane	02/07/23 - 03/07/23	ug/N3	0.06	0.1v	0.9v	210	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
Ethanol	02/07/23 - 03/07/23	ug/N3	0.30	0.9f	18.v3	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Ethyl Benzene	02/07/23 - 03/07/23	ug/N3	0.v0	2.1v	<2.1v	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Hexanal	02/07/23 - 03/07/23	ug/N3	0.60	2.07	2.v0	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Hexane	02/07/23 - 03/07/23	ug/N3	0.60	1.v6	3.03	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Isomutene	02/07/23 - 03/07/23	ug/N3	0.f0	1.17	3.6v	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong

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Supervisor

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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 Monitoring
Project Location :

Lot ID: 2346416
Date Received : May 03, 2023
Date Reported : May 10, 2023
Report Number : 2632v13-1

Page 6 of 8

Sample Number : 23F6F16-1
Sampled Date : May 02, 2023
Sample Description : Air Quality
Location : กรุงเทพมหานคร (พิกัด f vP 0v37279E , 1f 089665)
Date Analysis Commenced : May 0f, 2023
Condition of Sample : 4 drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	02/07/23 - 03/07/23	ug/N3	0.70	1.39	<1.39	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
N,p-Xylene	02/07/23 - 03/07/23	ug/N3	1.70	f.3f	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
MethaDrolein	02/07/23 - 03/07/23	ug/N3	0.70	1.f3	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Methanol	02/07/23 - 03/07/23	ug/N3	0.20	0.66	f.1f	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Methyl Ethyl Ketone	02/07/23 - 03/07/23	ug/N3	0.70	1.f v	2.2f	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Methyl Iodide	02/07/23 - 03/07/23	ug/N3	0.90	2.90	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Methyl Isomutyl Ketone	02/07/23 - 03/07/23	ug/N3	0.v0	2.07	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Methyl tert mutyl ether	02/07/23 - 03/07/23	ug/N3	0.60	1.80	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Methyl Vinyl Ketone	02/07/23 - 03/07/23	ug/N3	0.70	1.f3	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
o-Xylene	02/07/23 - 03/07/23	ug/N3	0.v0	2.1v	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Pentanal	02/07/23 - 03/07/23	ug/N3	0.70	1.v6	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong

Approved by

N. Banthongkit

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Supervisor

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P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID: 2346416

4ate ReDeiced : May 03, 2023

4ate Reported : May 10, 2023

Report 5uN ner : 2632v13-1

Page v ob8

Sample Number 23f 6f 16-1
Sampled Date May 02, 2023
Sample Description Air Quality
Location ๔๘๘๘๘๘๘๘๘๘๘๘ (พิกัด f vP 0v37279E , 1f 089665)
Date Analysis Commenced May 0f, 2023
Condition of Sample 4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	02/07/23 - 03/07/23	ug/N 3	0.70	1.f 8	f .60	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Propanal	02/07/23 - 03/07/23	ug/N 3	0.70	1.19	<1.19	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Propene (Propylene)	02/07/23 - 03/07/23	ug/N 3	0.30	0.86	11.f 3	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Styrene	02/07/23 - 03/07/23	ug/N 3	0.v0	2.13	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
TetraChloroethylene	02/07/23 - 03/07/23	ug/N 3	0.11	0.3f	5ot 4eteDted f 00		Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
Toluene	02/07/23 - 03/07/23	ug/N 3	0.60	1.88	v.v6	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
trans-1,2-4iDhloroethene	02/07/23 - 03/07/23	ug/N 3	0.v0	1.98	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
trans-1,3-4iDhloropropene	02/07/23 - 03/07/23	ug/N 3	0.80	2.2v	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
TriDhloroethylene	02/07/23 - 03/07/23	ug/N 3	0.09	0.2v	<0.2v	130	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
TriDhlorobuoroN ethane (F-11)	02/07/23 - 03/07/23	ug/N 3	0.90	2.81	<2.81	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Vinyl ADetate	02/07/23 - 03/07/23	ug/N 3	0.60	1.v6	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong

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N. Banthongkit

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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P/O : PMM-23-22

Project Name : EIA Monitoring

Project Location :

Lot ID: 2346416

4ate ReDeiced : May 03, 2023

4ate Reported : May 10, 2023

Report 5uN ner : 2632v13-1

Page 8 ob8

Sample Number 23f 6f 16-1
Sampled Date May 02, 2023
Sample Description Air Quality
Location ๔๘๘๘๘๘๘๘๘๘๘๘ (พิกัด f vP 0v37279E , 1f 089665)
Date Analysis Commenced May 0f, 2023
Condition of Sample 4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	02/07/23 - 03/07/23	ug/N 3	0.0f	0.13	0.31	20	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong

Guideline :

5EB : 5 otitDation ob5ational EncironNent Board, B.E. 2760 (201v)

PC4 : 5 otitDation obthe Pollution Control 4epartNent, whiDh was puntished in the Royal GocernNent Gazette Vol. 126 SpeDial Part 13 4 dated January 2v, B.E. 2772 (2009).

Sampled By : Puwanart PiN pan

ReNark :

- LO4 : LIN it ob4eteDtion
- "<" : Lower than LOQ (LIN it obQuantitation) / LOR (LIN it obReporting)

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000
P/O : EMMJ23J22
Project Name : DIA Monitoring
Project Location :

Lot ID: 2355716
vate ReFeibed : cun 02, 2023
vate Reported : cun 05, 2023
Report - uN ner : 2672547J1

Page 1 of 8

Sample Number 2377516J1
Sampled Date cun 01, 2023
Sample Description Air f uality
Location ชุมชนบ้านนาใหม่ หมู่ 45E 0537279D , 1408966- G
Date Analysis Commenced cun 03, 2023
Condition of Sample vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1TriFloroethane	01/06/23 J 02/06/23	ug/N 3	0.90	2.53	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
1,1,2,2TetraFloroethane	01/06/23 J 02/06/23	ug/N 3	0.10	0.34	- ot v eteRted 83		(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
1,1,2TriFloroJ1,2,2TriFluoroethane	01/06/23 J 02/06/23	ug/N 3	1.00	3.83	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
1,1,2TriFloroethane	01/06/23 J 02/06/23	ug/N 3	0.90	2.53	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
1,1v iFloroethane	01/06/23 J 02/06/23	ug/N 3	0.50	2.02	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
1,1v iFloroethene	01/06/23 J 02/06/23	ug/N 3	0.50	1.98	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
1,2,3TriN ethylrenSene	01/06/23 J 02/06/23	ug/N 3	0.80	2.46	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
1,2,4TriFloromenSene	01/06/23 J 02/06/23	ug/N 3	1.20	3.51	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
1,2,4TriN ethylrenSene	01/06/23 J 02/06/23	ug/N 3	0.80	2.46	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
1,2v imroNoethane	01/06/23 J 02/06/23	ug/N 3	0.10	0.38	- ot v eteRted 350		(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
1,2v iFloromenSene	01/06/23 J 02/06/23	ug/N 3	0.20	0.60	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong

Approved by

ve< ChangPhon
Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.
88, Rayong Highway 3191 Road, Maptaphut, Mueang, Rayong Thailand 31000
P/O : EMMJ23J22
Project Name : DIA Monitoring
Project Location :

Lot ID: 2355716
vate ReFeibed : cun 02, 2023
vate Reported : cun 05, 2023
Report - uN ner : 2672547J1

Page 2 of 8

Sample Number 2377516J1
Sampled Date cun 01, 2023
Sample Description Air f uality
Location ชุมชนบ้านนาใหม่ หมู่ 45E 0537279D , 1408966- G
Date Analysis Commenced cun 03, 2023
Condition of Sample vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2v iFloroethane	01/06/23 J 02/06/23	ug/N 3	0.05	0.20	0.75	48	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
1,2v iFloropropane	01/06/23 J 02/06/23	ug/N 3	0.08	0.23	- ot v eteRted 82		(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
1,2v iFlorotetrafluoroethane	01/06/23 J 02/06/23	ug/N 3	1.20	3.70	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
1,3,7TriN ethylmenSene	01/06/23 J 02/06/23	ug/N 3	0.80	2.46	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
1,3X utadiene	01/06/23 J 02/06/23	ug/N 3	0.04	0.11	3.81	7.3	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
1,3v iFloromenSene	01/06/23 J 02/06/23	ug/N 3	0.20	0.60	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
1,4v iFloromenSene	01/06/23 J 02/06/23	ug/N 3	0.20	0.60	- ot v eteRted 1100		(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
1,4v iozane	01/06/23 J 02/06/23	ug/N 3	0.10	0.36	- ot v eteRted 860		(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
1X utanol	01/06/23 J 02/06/23	ug/N 3	0.70	1.72	3.46	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
1J Eropanol	01/06/23 J 02/06/23	ug/N 3	0.40	1.23	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
2J Hezانونe	01/06/23 J 02/06/23	ug/N 3	0.50	2.07	- ot v eteRted - o Btandard		(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong

Approved by

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Benior Manager

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P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355716

vate ReFeibed : cun 02, 2023

vate Reported : cun 05, 2023

Report - uN ner : 2672547J1

Page 3 of 8

Sample Number	2377516J1
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ขงขงขงขงขงขง 45E 0537279D , 1408966- G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2JEntanone	01/06/23 J 02/06/23	ug/N 3	0.60	1.56	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
2JErpanol	01/06/23 J 02/06/23	ug/N 3	0.40	1.23	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
3JHezanone	01/06/23 J 02/06/23	ug/N 3	0.50	2.07	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
3JEntanone	01/06/23 J 02/06/23	ug/N 3	0.60	1.56	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
AFetaldehyde	01/06/23 J 02/06/23	ug/N 3	0.07	0.18	7.09	860	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
AFetone	01/06/23 J 02/06/23	ug/N 3	0.08	0.24	15.63	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
AFetonitrile	01/06/23 J 02/06/23	ug/N 3	0.30	0.84	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
AFrolein	01/06/23 J 02/06/23	ug/N 3	0.08	0.23	0.41	0.77	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
AFrylonitrile	01/06/23 J 02/06/23	ug/N 3	0.05	0.22	- ot v eteFted 10		(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
(enSene	01/06/23 J 02/06/23	ug/N 3	0.07	0.16	3.51	5.6	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
(enSyl Chloride	01/06/23 J 02/06/23	ug/N 3	0.15	0.72	- ot v eteFted 12		(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong

Approved by

D. Phonsa

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Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355716

vate ReFeibed : cun 02, 2023

vate Reported : cun 05, 2023

Report - uN ner : 2672547J1

Page 4 of 8

Sample Number	2377516J1
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ขงขงขงขงขงขง 45E 0537279D , 1408966- G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
(roN odifloroN ethane	01/06/23 J 02/06/23	ug/N 3	1.00	3.37	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
(roN oRrN	01/06/23 J 02/06/23	ug/N 3	1.00	7.15	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
(roN oN ethane	01/06/23 J 02/06/23	ug/N 3	0.06	0.19	0.23	190	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
(utanal	01/06/23 J 02/06/23	ug/N 3	0.49	1.45	x 1.45	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
Carmon v isulRde	01/06/23 J 02/06/23	ug/N 3	0.07	0.16	0.31	100	(ased on) B DEA CoN pendiuN Method, TUJ17	- D(	Rayong
Carmon TetraFluoride	01/06/23 J 02/06/23	ug/N 3	0.10	0.31	x 0.31	170	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
ChloromenSene	01/06/23 J 02/06/23	ug/N 3	0.80	2.30	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
ChlorodiFluoroN ethane QHCJ CJ22G	01/06/23 J 02/06/23	ug/N 3	0.60	1.55	x 1.55	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
Chloroethane	01/06/23 J 02/06/23	ug/N 3	0.40	1.32	- ot v eteFted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J		Rayong
ChloroRrN	01/06/23 J 02/06/23	ug/N 3	0.08	0.24	x 0.24	75	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
ChloroN ethane	01/06/23 J 02/06/23	ug/N 3	0.30	1.03	1.49	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong

Approved by

D. Phonsa

v e< ChangPhon
Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355716

vate ReFeibed : cun 02, 2023

vate Reported : cun 05, 2023

Report - uN ner : 2672547J1

Page 7 of 8

Sample Number	2377516J1
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ขงขงขงขงขงขง 45E 0537279D , 1408966- G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
FisJ1,2Jv iFloroethene	01/06/23 J 02/06/23	ug/N 3	0.50	1.98	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
FisJ1,3Jv iFloropropene	01/06/23 J 02/06/23	ug/N 3	0.80	2.25	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
CyFloheazane	01/06/23 J 02/06/23	ug/N 3	0.60	1.52	x 1.52 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
CyFlopentane	01/06/23 J 02/06/23	ug/N 3	0.70	1.43	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
v iFlorodifluoroN ethane QJ CJ112G	01/06/23 J 02/06/23	ug/N 3	0.80	2.45	2.65 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
v iFloroN ethane	01/06/23 J 02/06/23	ug/N 3	0.06	0.15	0.21 210	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong	
Dthanol	01/06/23 J 02/06/23	ug/N 3	0.30	0.94	1.77 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
Dthyl (enSene	01/06/23 J 02/06/23	ug/N 3	0.50	2.15	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
Hezanal	01/06/23 J 02/06/23	ug/N 3	0.60	2.07	x 2.07 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
Hezane	01/06/23 J 02/06/23	ug/N 3	0.60	1.56	x 1.56 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
Isomutene	01/06/23 J 02/06/23	ug/N 3	0.40	1.17	7.23 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	

Approved by

D. Phonsa

v e< ChangPhon
Benior Manager

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355716

vate ReFeibed : cun 02, 2023

vate Reported : cun 05, 2023

Report - uN ner : 2672547J1

Page 6 of 8

Sample Number	2377516J1
Sampled Date	cun 01, 2023
Sample Description	Air f uality
Location	ขงขงขงขงขงขง 45E 0537279D , 1408966- G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	01/06/23 J 02/06/23	ug/N 3	0.70	1.39	3.96 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
N,pJXylene	01/06/23 J 02/06/23	ug/N 3	1.70	4.34	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
MethaFrolein	01/06/23 J 02/06/23	ug/N 3	0.70	1.43	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
Methanol	01/06/23 J 02/06/23	ug/N 3	0.20	0.66	5.75 - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
Methyl Dthyl Ketone	01/06/23 J 02/06/23	ug/N 3	0.70	1.45	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
Methyl Iodide	01/06/23 J 02/06/23	ug/N 3	0.90	2.90	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
Methyl Isomutyl Ketone	01/06/23 J 02/06/23	ug/N 3	0.50	2.07	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
Methyl tert mutyl ether	01/06/23 J 02/06/23	ug/N 3	0.60	1.80	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
Methyl Vinyl Ketone	01/06/23 J 02/06/23	ug/N 3	0.70	1.43	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
oJXylene	01/06/23 J 02/06/23	ug/N 3	0.50	2.15	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	
Eentanal	01/06/23 J 02/06/23	ug/N 3	0.70	1.56	- ot v etePted - o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong	

Approved by

D. Phonsa

v e< ChangPhon
Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355716

Sample Received : Jun 02, 2023

Sample Reported : Jun 05, 2023

Report - uN mer : 2672547J1

Page 5 of 8

Sample Number	2377516J1
Sampled Date	Jun 01, 2023
Sample Description	Air Quality
Location	จุดตรวจคุณภาพอากาศ 45E 0537279D , 1408966- G
Date Analysis Commenced	Jun 03, 2023
Condition of Sample	Drawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Eentane	01/06/23 J 02/06/23	ug/N 3	0.70	1.48	2.60	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
Eropanal	01/06/23 J 02/06/23	ug/N 3	0.70	1.19	1.62	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
Eropene (EropyleneG	01/06/23 J 02/06/23	ug/N 3	0.30	0.86	15.04	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
Btyrene	01/06/23 J 02/06/23	ug/N 3	0.50	2.13	- ot v eteFted	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
TetraFloroethylene	01/06/23 J 02/06/23	ug/N 3	0.11	0.34	- ot v eteFted 400		(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
Toluene	01/06/23 J 02/06/23	ug/N 3	0.60	1.88	3.02	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
transJ1,2Jv iFloroethene	01/06/23 J 02/06/23	ug/N 3	0.50	1.98	- ot v eteFted	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
transJ1,3Jv iFloropropene	01/06/23 J 02/06/23	ug/N 3	0.80	2.25	- ot v eteFted	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
TriFloroethylene	01/06/23 J 02/06/23	ug/N 3	0.09	0.25	- ot v eteFted 130		(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong
TriFloroRuoroN ethane QJ11G	01/06/23 J 02/06/23	ug/N 3	0.90	2.81	x 2.81	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong
Vinyl AFetate	01/06/23 J 02/06/23	ug/N 3	0.60	1.56	- ot v eteFted	- o Btandard	(ased on) B DEA CoN pendiuN Method, TUJ17	J	Rayong

Approved by

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Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355716

Sample Received : Jun 02, 2023

Sample Reported : Jun 05, 2023

Report - uN mer : 2672547J1

Page 6 of 8

Sample Number	2377516J1
Sampled Date	Jun 01, 2023
Sample Description	Air Quality
Location	จุดตรวจคุณภาพอากาศ 45E 0537279D , 1408966- G
Date Analysis Commenced	Jun 03, 2023
Condition of Sample	Drawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	01/06/23 J 02/06/23	ug/N 3	0.04	0.13	0.52	20	(ased on) B DEA CoN pendiuN Method, TUJ17	ECv	Rayong

Guideline :

- D (: - otifFation oP- ational DnbironNent (oard, (.D. 2760 Q015G

ECv : - otifFation oPthe Eollution Control v epartNent, whiFh was puntished in the Royal OobernNent OaSette Vol. 126 BpeFial Eart 13 v dated canuary 25,

(.D. 2772 Q009G

Sampled By : Anurak Tongkha-onsakda

ReNark :

- LUUV : LIN it oPv eteFtion

- "x" : Lower than LUUF QJIN it oPf uantitationG/ LUR QJIN it oPReportingG

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Benior Manager

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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 Monitoring

Project Location :

Lot ID: 233364

Date Received : Jan 13, 2023

Date Reported : Feb 05, 2023

Report Number : 2775845-1

Page 1 of 8

Sample Number	233364-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ถนนพหลโยธิน กม. 45P 0537680E, 1408469N
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	0.90	2.53	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
1,1,2,2-Tetrachloro ethane	12/01/23 - 13/01/23	ug/m3	0.10	0.34	Not Detected	83	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	12/01/23 - 13/01/23	ug/m3	1.00	3.83	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
1,1,2-Trichloroethane	12/01/23 - 13/01/23	ug/m3	0.90	2.53	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
1,1-Dichloroethane	12/01/23 - 13/01/23	ug/m3	0.50	2.02	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
1,1-Dichloroethene	12/01/23 - 13/01/23	ug/m3	0.50	1.98	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
1,2,3-Trimethylbenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.46	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
1,2,4-Trichlorobenzene	12/01/23 - 13/01/23	ug/m3	1.20	3.51	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
1,2,4-Trimethylbenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.46	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
1,2-Dibromoethane	12/01/23 - 13/01/23	ug/m3	0.10	0.38	Not Detected	350	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
1,2-Dichlorobenzene	12/01/23 - 13/01/23	ug/m3	0.20	0.60	z 0.60	No Utandard) ased on BU EPA Compendium Method, TS-17	-	Rayong

Approved by

D. Changchon

Dej Changchon
Senior Manager

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Analysis / Test Report

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 233364

Date Received : Jan 13, 2023

Date Reported : Feb 05, 2023

Report Number : 2775845-1

Page 2 of 8

Sample Number	233364-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ถนนพหลโยธิน กม. 45P 0537680E, 1408469N
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	0.05	0.20	z 0.20	48	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
1,2-Dichloropropane	12/01/23 - 13/01/23	ug/m3	0.08	0.23	Not Detected	82	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
1,2-Dichlorotetrafluoroethane	12/01/23 - 13/01/23	ug/m3	1.20	3.70	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
1,3,7-Trimethylbenzene	12/01/23 - 13/01/23	ug/m3	0.80	2.46	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
1,3-) utadiene	12/01/23 - 13/01/23	ug/m3	0.04	0.11	Not Detected	7.3	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
1,3-Dichlorobenzene	12/01/23 - 13/01/23	ug/m3	0.20	0.60	z 0.60	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
1,4-Dichlorobenzene	12/01/23 - 13/01/23	ug/m3	0.20	0.60	z 0.60	1100	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
1,4-Dioxane	12/01/23 - 13/01/23	ug/m3	0.10	0.36	Not Detected	860	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
1-) utanol	12/01/23 - 13/01/23	ug/m3	0.70	1.72	z 1.72	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
1-Propanol	12/01/23 - 13/01/23	ug/m3	0.40	1.23	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
2-Hexanone	12/01/23 - 13/01/23	ug/m3	0.50	2.07	Not Detected	No Utandard) ased on BU EPA Compendium Method, TS-17	-	Rayong

Approved by

D. Changchon

Dej Changchon
Senior Manager

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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 Monitoring

Project Location :

Lot ID: 233364

Date Received : Jan 13, 2023

Date Reported : Feb 05, 2023

Report Number : 2775845-1

Page 3 of 8

Sample Number	233364-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ถนนพหลโยธิน กม. 45P 0537680E, 1408469N
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	0.60	1.56	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
2-Propanol	12/01/23 - 13/01/23	ug/m3	0.40	1.23	z 1.23	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
3-Hexanone	12/01/23 - 13/01/23	ug/m3	0.50	2.07	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
3-Pentanone	12/01/23 - 13/01/23	ug/m3	0.60	1.56	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Acetaldehyde	12/01/23 - 13/01/23	ug/m3	0.07	0.18	0.36	860	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
Acetone	12/01/23 - 13/01/23	ug/m3	0.08	0.24	4.13	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Acetonitrile	12/01/23 - 13/01/23	ug/m3	0.30	0.84	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Acrolein	12/01/23 - 13/01/23	ug/m3	0.08	0.23	z 0.23	0.77	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
Acrylonitrile	12/01/23 - 13/01/23	ug/m3	0.05	0.22	z 0.22	10	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
enOne	12/01/23 - 13/01/23	ug/m3	0.07	0.16	0.83	5.6	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
enQyl Chloride	12/01/23 - 13/01/23	ug/m3	0.15	0.72	Not Detected	12) ased on BU EPA Compendium Method, TS-17	PCD	Rayong

Approved by

D. Changchon

Dej Changchon
Senior Manager

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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 Monitoring

Project Location :

Lot ID: 233364

Date Received : Jan 13, 2023

Date Reported : Feb 05, 2023

Report Number : 2775845-1

Page 4 of 8

Sample Number	233364-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ถนนพหลโยธิน กม. 45P 0537680E, 1408469N
Date Analysis Commenced	Jan 16, 2023
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									
) romodichloromethane	12/01/23 - 13/01/23	ug/m3	1.00	3.37	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
) romoform	12/01/23 - 13/01/23	ug/m3	1.00	7.15	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
) romomethane	12/01/23 - 13/01/23	ug/m3	0.06	0.19	z 0.19	190	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
) utanal	12/01/23 - 13/01/23	ug/m3	0.49	1.45	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Carbon Disulfide	12/01/23 - 13/01/23	ug/m3	0.07	0.16	Not Detected	100	) ased on BU EPA Compendium Method, TS-17	NE)	Rayong
Carbon Tetrachloride	12/01/23 - 13/01/23	ug/m3	0.10	0.31	z 0.31	170	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
ChlorobenOne	12/01/23 - 13/01/23	ug/m3	0.80	2.30	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Chlorodifluoromethane GHCF-22	12/01/23 - 13/01/23	ug/m3	0.60	1.55	z 1.55	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Chloroethane	12/01/23 - 13/01/23	ug/m3	0.40	1.32	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Chloroform	12/01/23 - 13/01/23	ug/m3	0.08	0.24	z 0.24	75	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
Chloromethane	12/01/23 - 13/01/23	ug/m3	0.30	1.03	1.20	No Utandard) ased on BU EPA Compendium Method, TS-17	-	Rayong

Approved by

D. Changchon

Dej Changchon
Senior Manager

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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 Monitoring

Project Location :

Lot ID: 233364

Date Received : Jan 13, 2023

Date Reported : Feb 05, 2023

Report Number : 2775845-1

Page 7 of 8

Sample Number	233364-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ถนนพหลโยธิน กม. 45P 0537680E, 1408469N
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	0.50	1.98	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
cis-1,3-Dichloropropene	12/01/23 - 13/01/23	ug/m3	0.80	2.25	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Cyclohexane	12/01/23 - 13/01/23	ug/m3	0.60	1.52	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Cyclopentane	12/01/23 - 13/01/23	ug/m3	0.70	1.43	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Dichlorodifluoromethane GFC-112	12/01/23 - 13/01/23	ug/m3	0.80	2.45	z 2.45	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Dichloromethane	12/01/23 - 13/01/23	ug/m3	0.06	0.15	0.49	210	) ased on BU EPA Compendium Method, TS-17	PCD	Rayong
Ethanol	12/01/23 - 13/01/23	ug/m3	0.30	0.94	7.84	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Ethyl) enQene	12/01/23 - 13/01/23	ug/m3	0.50	2.15	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Hexanal	12/01/23 - 13/01/23	ug/m3	0.60	2.07	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Hexane	12/01/23 - 13/01/23	ug/m3	0.60	1.56	z 1.56	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Isobutene	12/01/23 - 13/01/23	ug/m3	0.40	1.17	1.84	No Utandard) ased on BU EPA Compendium Method, TS-17	-	Rayong

Approved by

D. Changchon

Dej Changchon
Senior Manager

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Client : RIL 1996 Co., Ltd.

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 233364

Date Received : Jan 13, 2023

Date Reported : Feb 05, 2023

Report Number : 2775845-1

Page 6 of 8

Sample Number	233364-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ถนนพหลโยธิน กม. 45P 0537680E, 1408469N
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	0.70	1.39	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
m,p-Xylene	12/01/23 - 13/01/23	ug/m3	1.70	4.34	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Methacrolein	12/01/23 - 13/01/23	ug/m3	0.70	1.43	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Methanol	12/01/23 - 13/01/23	ug/m3	0.20	0.66	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Methyl Ethyl Ketone	12/01/23 - 13/01/23	ug/m3	0.70	1.45	z 1.45	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Methyl Iodide	12/01/23 - 13/01/23	ug/m3	0.90	2.90	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Methyl Isobutyl Ketone	12/01/23 - 13/01/23	ug/m3	0.50	2.07	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Methyl tert butyl ether	12/01/23 - 13/01/23	ug/m3	0.60	1.80	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Methyl Vinyl Ketone	12/01/23 - 13/01/23	ug/m3	0.70	1.43	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
o-Xylene	12/01/23 - 13/01/23	ug/m3	0.50	2.15	Not Detected	No Utandard	) ased on BU EPA Compendium Method, TS-17	-	Rayong
Pentanal	12/01/23 - 13/01/23	ug/m3	0.70	1.56	Not Detected	No Utandard) ased on BU EPA Compendium Method, TS-17	-	Rayong

Approved by

D. Changchon

Dej Changchon
Senior Manager

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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 Monitoring

Project Location :

Lot ID: 233364

Date Received : Jan 13, 2023

Date Reported : Feb 05, 2023

Report Number : 2775845-1

Page 5 of 8

Sample Number	233364-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ถนนพหลโยธิน กม. 45P 0537680E, 1408469N
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	0.70	1.48	3.84	No Utandard	)ased on BU EPA Compendium Method, TS-17	-	Rayong
Propanal	12/01/23 - 13/01/23	ug/m3	0.70	1.19	Not Detected	No Utandard	)ased on BU EPA Compendium Method, TS-17	-	Rayong
Propene (Propylene)	12/01/23 - 13/01/23	ug/m3	0.30	0.86	2.34	No Utandard	)ased on BU EPA Compendium Method, TS-17	-	Rayong
Utyrene	12/01/23 - 13/01/23	ug/m3	0.50	2.13	Not Detected	No Utandard	)ased on BU EPA Compendium Method, TS-17	-	Rayong
Tetrachloroethylene	12/01/23 - 13/01/23	ug/m3	0.11	0.34	Not Detected	400	)ased on BU EPA Compendium Method, TS-17	PCD	Rayong
Toluene	12/01/23 - 13/01/23	ug/m3	0.60	1.88	5.61	No Utandard	)ased on BU EPA Compendium Method, TS-17	-	Rayong
trans-1,2-Dichloroethene	12/01/23 - 13/01/23	ug/m3	0.50	1.98	Not Detected	No Utandard	)ased on BU EPA Compendium Method, TS-17	-	Rayong
trans-1,3-Dichloropro pene	12/01/23 - 13/01/23	ug/m3	0.80	2.25	Not Detected	No Utandard	)ased on BU EPA Compendium Method, TS-17	-	Rayong
Trichloroethylene	12/01/23 - 13/01/23	ug/m3	0.09	0.25	Not Detected	130	)ased on BU EPA Compendium Method, TS-17	PCD	Rayong
Trichlorofluoromethane G-11	12/01/23 - 13/01/23	ug/m3	0.90	2.81	z 2.81	No Utandard	)ased on BU EPA Compendium Method, TS-17	-	Rayong
Vinyl Acetate	12/01/23 - 13/01/23	ug/m3	0.60	1.56	Not Detected	No Utandard)ased on BU EPA Compendium Method, TS-17	-	Rayong

Approved by

D. Changchon

Dej Changchon
Senior Manager

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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 Monitoring

Project Location :

Lot ID: 233364

Date Received : Jan 13, 2023

Date Reported : Feb 05, 2023

Report Number : 2775845-1

Page 8 of 8

Sample Number	233364-1
Sampled Date	Jan 12, 2023
Sample Description	Air Quality
Location	ถนนพหลโยธิน กม. 45P 0537680E, 1408469N
Date Analysis Commenced	Jan 16, 2023
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	12/01/23 - 13/01/23	ug/m3	0.04	0.13	z 0.13	20	)ased on BU EPA Compendium Method, TS-17	PCD	Rayong

Guideline :

NE) : Notification of National Environment) oard,) .E. 2760 Q2015(PCD : Notification of the Pollution Control Department, which was published in the Royal <overnment <aQette Vol. 126 Upecial Part 13 D dated January 25,) .E. 2772 Q2009(.

Note : This Analysis test report is issued to supersede report No.2739449-1, Date Reported : Jan 20, 2023 due to revise analytical information.

Sampled By : Uatcha Phetsawaeng

Remark :

- LSD : Limit of Detection
- "z" : Lower than LSQ Limit of Quantitation(/ LSR Limit of Reporting(

Approved by

D. Changchon

Dej Changchon
Senior Manager

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

Project Name : EIA Monitoring

Project Location :

cate ReveiFed : Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Dbb578741

page 1 of 8

Sample Number	D31D39141
Sampled Date	1e2 0D, D0D3
Sample Description	Air f uality
Location	ชุมชนนาบนาบ ไร่ 75m053b680E, 1708769- G
Date Analysis Commenced	1e2 06, D0D3
Condition of Sample	crawn into one 64 Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1,4-tetrachloroethane	0D/0D/3 4 03/0D/3	ug/N 3	0.90	D.53	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
1,1,1,2-tetrachloroethane	0D/0D/3 4 03/0D/3	ug/N 3	0.10	0.37	- ot c etevted	83	(ased on) B EnA CoN pendiuN Method, TU41b	nCc	Rayong
1,1,1,2,2-pentachloroethane	0D/0D/3 4 03/0D/3	ug/N 3	1.00	3.83	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
1,1,2,2-tetrachloroethane	0D/0D/3 4 03/0D/3	ug/N 3	0.90	D.53	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
1,1,2-trichloroethane	0D/0D/3 4 03/0D/3	ug/N 3	0.50	D.0D	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
1,1,2-trichloroethene	0D/0D/3 4 03/0D/3	ug/N 3	0.50	1.98	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
1,1,2,2,2-pentachloroethane	0D/0D/3 4 03/0D/3	ug/N 3	0.80	D.76	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
1,1,2,2,2-pentachloroethene	0D/0D/3 4 03/0D/3	ug/N 3	1.D0	3.51	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
1,1,2,2,2-pentachloroethane	0D/0D/3 4 03/0D/3	ug/N 3	0.80	D.76	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
1,1,2,2,2-pentachloroethane	0D/0D/3 4 03/0D/3	ug/N 3	0.10	0.38	- ot c etevted	350	(ased on) B EnA CoN pendiuN Method, TU41b	nCc	Rayong
1,1,2,2,2-pentachloroethane	0D/0D/3 4 03/0D/3	ug/N 3	0.D0	0.60	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong

Approved by

D. Johnson.

c e< Changvhon
Benior Manager

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

Project Name : EIA Monitoring

Project Location :

cate ReveiFed :Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Dbb578741

page D oP8

Sample Number	D31D3914I
Sampled Date	Je2 0D, D0D3
Sample Description	Air f uality
Location	ชุมชนบางมา ตึกกีด 75m053b680E, 1708769- G
Date Analysis Commenced	Je2 06, D0D3
Condition of Sample	crawn into one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,D4: ivhloroethane	0D/0D/3 403/0D/3	ug/N 3	0.05	0.D0	0.81	78	(ased on) B EnA CoN pendiuN Method, TU4lb	nCc	Rayong
1,D4: ivhloropropane	0D/0D/3 403/0D/3	ug/N 3	0.08	0.D3	- ot c etevted 8D		(ased on) B EnA CoN pendiuN Method, TU4lb	nCc	Rayong
1,D4: ivhlorotetrafluoroethane	0D/0D/3 403/0D/3	ug/N 3	1.D0	3.b0	- ot c etevted - o	Standard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
1,3,b4TriN ethylZenSene	0D/0D/3 403/0D/3	ug/N 3	0.80	D.76	- ot c etevted - o	Standard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
1,34(utadiene	0D/0D/3 403/0D/3	ug/N 3	0.07	0.11	0.b3	b.3	(ased on) B EnA CoN pendiuN Method, TU4lb	nCc	Rayong
1,34: ivhloroZenSene	0D/0D/3 403/0D/3	ug/N 3	0.D0	0.60	- ot c etevted - o	Standard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
1,74: ivhloroZenSene	0D/0D/3 403/0D/3	ug/N 3	0.D0	0.60	- ot c etevted 1100		(ased on) B EnA CoN pendiuN Method, TU4lb	nCc	Rayong
1,74: iozane	0D/0D/3 403/0D/3	ug/N 3	0.10	0.36	- ot c etevted 860		(ased on) B EnA CoN pendiuN Method, TU4lb	nCc	Rayong
14(utanol	0D/0D/3 403/0D/3	ug/N 3	0.b0	1.bD	D.D7	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
14nropanol	0D/0D/3 403/0D/3	ug/N 3	0.70	1.D3	x 1.D3	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong
D4Hezanone	0D/0D/3 403/0D/3	ug/N 3	0.50	D.0b	- ot c etevted - o	Btandard	(ased on) B EnA CoN pendiuN Method, TU4lb	4	Rayong

Approved by

D. Johnson

c e< Changvhon
Benior Manager

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

Project Name : EIA Monitoring

Report - uN 2er : Dbb578741

Sample Number	D31D39141
Sampled Date	1e2 0D, D0D3
Sample Description	Air f uality
Location	ชุมชนบางนาเขต 75m053b680E, 1708769- G
Date Analysis Commenced	1e2 06, D0D3
Condition of Sample	crawn into one 64. Canister

Approved by

c e< Changvhon
Benior Manager

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

Project Name : EIA Monitoring

Report - uN 2er : Ddb578741

Sample Number	D31D39141
Sampled Date	1e2 0D, D0D3
Sample Description	Air f uality
Location	ชุมชนบางนา ๓ (ทิศ 75m053b680E, 1708769- G
Date Analysis Commenced	1e2 06, D0D3
Condition of Sample	crawn into one 64L Canister

Approved by

c e< Changvho
Benior Manager

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Project Name : EIA Monitoring

Project Location :

cate ReveiFed : Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Dbb578741

Page 6 of 8

Sample Number	D31D39141
Sampled Date	1e2 0D, D0D3
Sample Description	Air f uality
Location	ชุมชนบางนาเขต 75m053b680E, 1708769- G
Date Analysis Commenced	1e2 06, D0D3
Condition of Sample	crawn into one 64. Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
vis41,D4: ivhloroethene	0D/0D/3 4 03/0D/3	ug/N 3	0.50	1.98	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
vis41,34: ivhloropropene	0D/0D/3 4 03/0D/3	ug/N 3	0.80	D.D5	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Cyloheazane	0D/0D/3 4 03/0D/3	ug/N 3	0.60	1.5D	x 1.5D	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Cylopentane	0D/0D/3 4 03/0D/3	ug/N 3	0.b0	1.73	x 1.73	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
c ivhlorodiRuoroN ethane C41.DG	0D/0D/3 4 03/0D/3	ug/N 3	0.80	D.75	D.85	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
c ivhloroN ethane	0D/0D/3 4 03/0D/3	ug/N 3	0.06	0.15	0.56	D10	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
Ethanol	0D/0D/3 4 03/0D/3	ug/N 3	0.30	0.97	36.DD	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Ethyl (enSene	0D/0D/3 4 03/0D/3	ug/N 3	0.50	D.15	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Hezanal	0D/0D/3 4 03/0D/3	ug/N 3	0.60	D.0b	x D.0b	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Hezane	0D/0D/3 4 03/0D/3	ug/N 3	0.60	1.56	6.50	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Iso2utene	0D/0D/3 4 03/0D/3	ug/N 3	0.70	1.1b	7.DD	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong

Approved by

D. Johnson.

c e< Changvhon
Benior Manager

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Project Name : EIA Monitoring

Project Location :

cate ReveiFed :Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Dbb578741

page 6 of 8

Sample Number	D31D39141
Sampled Date	3e2 0D, D0D3
Sample Description	Air f uality
Location	ชุมชนบางนา ต. กิ่ง 75m053b680E, 1708769- G
Date Analysis Commenced	3e2 06, D0D3
Condition of Sample	crawn into one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	00/00/03 403/00/03	ug/N 3	0.b0	1.39	- ot c etevted	- o Btandard	(ased on) B EnA CoNpendiuN Method, TU4lb	4	Rayong
N ,p4 ylene	00/00/03 403/00/03	ug/N 3	1.b0	7.37	- ot c etevted	- o Btandard	(ased on) B EnA CoNpendiuN Method, TU4lb	4	Rayong
Methavrolein	00/00/03 403/00/03	ug/N 3	0.b0	1.73	- ot c etevted	- o Btandard	(ased on) B EnA CoNpendiuN Method, TU4lb	4	Rayong
Methanol	00/00/03 403/00/03	ug/N 3	0.D0	0.66	- ot c etevted	- o Btandard	(ased on) B EnA CoNpendiuN Method, TU4lb	4	Rayong
Methyl Ethyl Xetone	00/00/03 403/00/03	ug/N 3	0.b0	1.75	x 1.75	- o Btandard	(ased on) B EnA CoNpendiuN Method, TU4lb	4	Rayong
Methyl Iodide	00/00/03 403/00/03	ug/N 3	0.90	D.90	- ot c etevted	- o Btandard	(ased on) B EnA CoNpendiuN Method, TU4lb	4	Rayong
Methyl Iso2utyl Xetone	00/00/03 403/00/03	ug/N 3	0.50	D.0b	x D.0b	- o Btandard	(ased on) B EnA CoNpendiuN Method, TU4lb	4	Rayong
Methyl tert 2utyl ether	00/00/03 403/00/03	ug/N 3	0.60	1.80	- ot c etevted	- o Btandard	(ased on) B EnA CoNpendiuN Method, TU4lb	4	Rayong
Methyl Kinyl Xetone	00/00/03 403/00/03	ug/N 3	0.b0	1.73	x 1.73	- o Btandard	(ased on) B EnA CoNpendiuN Method, TU4lb	4	Rayong
o4 ylene	00/00/03 403/00/03	ug/N 3	0.50	D.15	- ot c etevted	- o Btandard	(ased on) B EnA CoNpendiuN Method, TU4lb	4	Rayong
mentanal	00/00/03 403/00/03	ug/N 3	0.b0	1.56	- ot c etevted	- o Btandard	(ased on) B EnA CoNpendiuN Method, TU4lb	4	Rayong

Approved by

D. Johnson.

c e< Changvho
Benior Manager

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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 Monitoring

Project Location :

Lot ID: 2312391

cate Reveifed : Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Ddb57874L

Page 5 of 8

Sample Number	D31D3914L
Sampled Date	Je2 0D, D0D3
Sample Description	Air f uality
Location	ณถนนพหลโยธิน กม. 75 ม. 053 บ. 680 E, 1708769- G
Date Analysis Commenced	Je2 06, D0D3
Condition of Sample	c rawn into one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
mentane	0D/0D/3 403/0D/3	ug/N 3	0.b0	1.78	7.96	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
mropanal	0D/0D/3 403/0D/3	ug/N 3	0.b0	1.19	1.bD	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
mropene QmropyleneG	0D/0D/3 403/0D/3	ug/N 3	0.30	0.86	36.07	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Btyrene	0D/0D/3 403/0D/3	ug/N 3	0.50	D.13	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Tetravhloroethylene	0D/0D/3 403/0D/3	ug/N 3	0.11	0.37	- ot c etevted	700	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
Toluene	0D/0D/3 403/0D/3	ug/N 3	0.60	1.88	D.51	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
trans4,4t ivhloroethene	0D/0D/3 403/0D/3	ug/N 3	0.50	1.98	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
trans4,3t ivhloropropene	0D/0D/3 403/0D/3	ug/N 3	0.80	D.D5	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Trivhloroethylene	0D/0D/3 403/0D/3	ug/N 3	0.09	0.D5	- ot c etevted	130	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong
TrivhloroRuoroN ethane Q411G	0D/0D/3 403/0D/3	ug/N 3	0.90	D.81	x D.81	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong
Kinyl Avetate	0D/0D/3 403/0D/3	ug/N 3	0.60	1.56	- ot c etevted	- o Btandard	(ased on) B EnA CoN pendiuN Method, TU41b	4	Rayong

Approved by

D. Chongvorn

c e< Changvorn
Benior Manager

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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 Monitoring

Project Location :

Lot ID: 2312391

cate Reveifed : Je2 03, D0D3

cate Reported : Je2 10, D0D3

Report - uN 2er : Ddb57874L

Page 6 of 8

Sample Number	D31D3914L
Sampled Date	Je2 0D, D0D3
Sample Description	Air f uality
Location	ณถนนพหลโยธิน กม. 75 ม. 053 บ. 680 E, 1708769- G
Date Analysis Commenced	Je2 06, D0D3
Condition of Sample	c rawn into one 64L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Kinyl Chloride	0D/0D/3 403/0D/3	ug/N 3	0.07	0.13	D.D0	D0	(ased on) B EnA CoN pendiuN Method, TU41b	mCc	Rayong

Guideline :

- E(: - otirVation oP- ational EnFironNent (oard, (.E. Db60 Q0015G

mCc : - otirVation oPthe mllution Control c eartN ent, whivh was pu2lished in the Royal OoFernN ent OaSette Kol. 1D6 Bpevia1 mart 13 c dated Vauary D5,

(.E. DdbD Q009G

Sampled By : - orranon TathongkhaN

ReNark :

- LUC : LIN it oPc etevtion

- "x" : Lower than LUF QIN it oPf uantiationG/ LUR QIN it oPReportingG

Approved by

D. Chongvorn

c e< Changvorn
Benior Manager

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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 Monitoring

Project Location :

Lot ID: 2321418

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF819bl

Sample Number J3J1m18bl
Sampled Date Mar 03, 2013
Sample Description Air Puality
Location ชุมชนเกษตรกรรม ฟาร์ม นฟ- 0F3v680E, 1m08m695Q
Date Analysis Commenced Mar 09, 2013
Condition of Sample 2rawn into one 6bl. Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1b1riChloroethane	01/03/13 b03/03/13	ug/7 3	0.90	1.F3	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,1,1,1b1etraChloroethane	01/03/13 b03/03/13	ug/7 3	0.10	0.3m	5ot 2eteDted 83		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,1,1b1riChlorob1,1,1b1riNuoroethane	01/03/13 b03/03/13	ug/7 3	1.00	3.83	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,1,1b1riChloroethane	01/03/13 b03/03/13	ug/7 3	0.90	1.F3	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,1b2iChloroethane	01/03/13 b03/03/13	ug/7 3	0.F0	1.0J	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,1b2iChloroethene	01/03/13 b03/03/13	ug/7 3	0.F0	1.98	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3,3b1ri7 ethyl4enUene	01/03/13 b03/03/13	ug/7 3	0.80	1.n6	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3,ntb1riChloro4enUene	01/03/13 b03/03/13	ug/7 3	1.10	3.F1	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3,ntb1ri7 ethyl4enUene	01/03/13 b03/03/13	ug/7 3	0.80	1.n6	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3b2i4ro7 oethane	01/03/13 b03/03/13	ug/7 3	0.10	0.38	5ot 2eteDted 3F0		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,3b2iChloro4enUene	01/03/13 b03/03/13	ug/7 3	0.10	0.60	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong

Approved by

Zee ChangDhon
Senior Manager

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Client : RIL 1996 Co., Ltd.

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2321418

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF819bl

Sample Number J3J1m18bl
Sampled Date Mar 03, 2013
Sample Description Air Puality
Location ชุมชนเกษตรกรรม ฟาร์ม นฟ- 0F3v680E, 1m08m695Q
Date Analysis Commenced Mar 09, 2013
Condition of Sample 2rawn into one 6bl. Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1b2iChloroethane	01/03/13 b03/03/13	ug/7 3	0.0F	0.10	<0.10	n8	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,1b2iChloropropane	01/03/13 b03/03/13	ug/7 3	0.08	0.13	5ot 2eteDted 8J		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,1b2iChlorotetrafluoroethane	01/03/13 b03/03/13	ug/7 3	1.10	3.v0	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3,3b1ri7 ethyl4enUene	01/03/13 b03/03/13	ug/7 3	0.80	1.n6	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,3bGutadiene	01/03/13 b03/03/13	ug/7 3	0.0m	0.11	0.m0	v.3	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,3b2iChloro4enUene	01/03/13 b03/03/13	ug/7 3	0.10	0.60	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1,ntb2iChloro4enUene	01/03/13 b03/03/13	ug/7 3	0.10	0.60	5ot 2eteDted 1100		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1,ntb2ioCane	01/03/13 b03/03/13	ug/7 3	0.10	0.36	5ot 2eteDted 860		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
1bGutanol	01/03/13 b03/03/13	ug/7 3	0.v0	1.vJ	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1b-ropanol	01/03/13 b03/03/13	ug/7 3	0.m0	1.13	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
1bHeCanone	01/03/13 b03/03/13	ug/7 3	0.F0	1.0v	5ot 2eteDted 5o) tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong

Approved by

Zee ChangDhon
Senior Manager

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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 Monitoring

Project Location :

Lot ID: 2321418

2ate ReDeiced : Mar 03, 2013

2ate Reported : Mar 16, 2013

Report Su7 4er : JvFF819bl

- age 3 oN8

Sample Number	J3J1m18bl
Sampled Date	Mar 03, 2013
Sample Description	Air Puality
Location	ขงขงขงขงขงขง fฟฟฟ fF- 0F3v680E, 1n08m695Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2rawn into one 6bl Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Jb-entanone	01/03/13 b03/03/13	ug/7 3	0.60	1.F6	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Jb-ropanol	01/03/13 b03/03/13	ug/7 3	0.m0	1.J3	<1.J3 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
3Hecanone	01/03/13 b03/03/13	ug/7 3	0.F0	1.0v	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
3b-entanone	01/03/13 b03/03/13	ug/7 3	0.60	1.F6	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ADetaldehyde	01/03/13 b03/03/13	ug/7 3	0.0v	0.18	3.86	860	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
ADetone	01/03/13 b03/03/13	ug/7 3	0.08	0.Jm	11.69	5o)tandard	Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ADetonitrile	01/03/13 b03/03/13	ug/7 3	0.30	0.8m	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ADrolein	01/03/13 b03/03/13	ug/7 3	0.08	0.J3	0.JF	0.vv	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
ADrylonitrile	01/03/13 b03/03/13	ug/7 3	0.0F	0.JJ	5ot 2eteDted 10		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
GenUene	01/03/13 b03/03/13	ug/7 3	0.0v	0.16	J.11	F.6	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
GenUyl Chloride	01/03/13 b03/03/13	ug/7 3	0.1F	0.vJ	5ot 2eteDted 1J		Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong

Approved by

D. Chong

2ez ChangDhon
enior Manager

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 2321418

2ate ReDeiced : Mar 03, 2013

2ate Reported : Mar 16, 2013

Report Su7 4er : JvFF819bl

- age moN8

Sample Number	J3J1m18bl
Sampled Date	Mar 03, 2013
Sample Description	Air Puality
Location	ขงขงขงขงขงขง fฟฟฟ fF- 0F3v680E, 1n08m695Q
Date Analysis Commenced	Mar 09, 2013
Condition of Sample	2rawn into one 6bl Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Gro7 odlChloro7 ethane	01/03/13 b03/03/13	ug/7 3	1.00	3.3v	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Gro7 oNr7	01/03/13 b03/03/13	ug/7 3	1.00	v.1F	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Gro7 o7 ethane	01/03/13 b03/03/13	ug/7 3	0.06	0.19	<0.19	190	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
Gutanal	01/03/13 b03/03/13	ug/7 3	0.m9	1.mF	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Car4on 2isulNide	01/03/13 b03/03/13	ug/7 3	0.0v	0.16	0.Jv	100	Gased on () E-A Co7 pendiu7 Method, TBblv	5EG	Rayong
Car4on TetraChloride	01/03/13 b03/03/13	ug/7 3	0.10	0.31	<0.31	1v0	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
Chloro4enUene	01/03/13 b03/03/13	ug/7 3	0.80	J.30	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ChlorodilNuoro7 ethane fHCxCbl JQ	01/03/13 b03/03/13	ug/7 3	0.60	1.FF	<1.FF	5o)tandard	Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
Chloroethane	01/03/13 b03/03/13	ug/7 3	0.m0	1.J3	5ot 2eteDted 5o)tandard		Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong
ChloroNr7	01/03/13 b03/03/13	ug/7 3	0.08	0.Jm	<0.Jm	vF	Gased on () E-A Co7 pendiu7 Method, TBblv	-C2	Rayong
Chloro7 ethane	01/03/13 b03/03/13	ug/7 3	0.30	1.03	1.6v	5o)tandard	Gased on () E-A Co7 pendiu7 Method, TBblv	b	Rayong

Approved by

D. Chong

2ez ChangDhon
enior Manager

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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 Monitoring

Project Location :

Lot ID: 2321418

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF819bl

Sample Number J3J1m18bl
Sampled Date Mar 01, 2013
Sample Description Air Puality
Location ชุมชนเกษตรกรรม ฟาร์ม นฟ- 0F3v680E, 1n08m695Q
Date Analysis Commenced Mar 09, 2013
Condition of Sample 2 rawn into one 6bl. Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Dibl, Jbl Chloroethene	01/03/13 b03/03/13	ug/7 3	0.F0	1.98	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Dibl, 3bl Chloropropene	01/03/13 b03/03/13	ug/7 3	0.80	J.JF	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
CyDoheCane	01/03/13 b03/03/13	ug/7 3	0.60	1.FJ	<1.FJ 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
CyDopentane	01/03/13 b03/03/13	ug/7 3	0.v0	1.m8	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
2lChlorodlfluoro7 ethane fCxblJ1Q	01/03/13 b03/03/13	ug/7 3	0.80	J.nF	<J.nF 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
2lChloro7 ethane	01/03/13 b03/03/13	ug/7 3	0.06	0.1F	1.39 J10		Gased on () E- A Co7 pendiu7 Method, TBblv	-C2	Rayong
Ethanol	01/03/13 b03/03/13	ug/7 3	0.30	0.9m	8.v9 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Ethyl GenUene	01/03/13 b03/03/13	ug/7 3	0.F0	J.1F	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
HeCanal	01/03/13 b03/03/13	ug/7 3	0.60	J.0v	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
HeCane	01/03/13 b03/03/13	ug/7 3	0.60	1.F6	J.vm 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Iso4utene	01/03/13 b03/03/13	ug/7 3	0.m0	1.1v	1.93 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong

Approved by

Zee ChangDhon
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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 Monitoring

Project Location :

Lot ID: 2321418

Date Received : Mar 03, 2013

Date Reported : Mar 16, 2013

Report Su7 4er : JvFF819bl

Sample Number J3J1m18bl
Sampled Date Mar 01, 2013
Sample Description Air Puality
Location ชุมชนเกษตรกรรม ฟาร์ม นฟ- 0F3v680E, 1n08m695Q
Date Analysis Commenced Mar 09, 2013
Condition of Sample 2 rawn into one 6bl. Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	01/03/13 b03/03/13	ug/7 3	0.v0	1.39	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
7 ,ptj ylene	01/03/13 b03/03/13	ug/7 3	1.v0	m3m	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
MethaDrolein	01/03/13 b03/03/13	ug/7 3	0.v0	1.m8	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methanol	01/03/13 b03/03/13	ug/7 3	0.J0	0.66	6.mF 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl Ethyl Xetone	01/03/13 b03/03/13	ug/7 3	0.v0	1.nF	<1.nF 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl Iodide	01/03/13 b03/03/13	ug/7 3	0.90	J.90	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl Iso4utyl Xetone	01/03/13 b03/03/13	ug/7 3	0.F0	J.0v	<J.0v 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl tert 4utyl ether	01/03/13 b03/03/13	ug/7 3	0.60	1.80	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Methyl Kinyl Xetone	01/03/13 b03/03/13	ug/7 3	0.v0	1.m8	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
otj ylene	01/03/13 b03/03/13	ug/7 3	0.F0	J.1F	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
-entanal	01/03/13 b03/03/13	ug/7 3	0.v0	1.F6	5ot 2eteDted 5o) tandard		Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong

Approved by

Zee ChangDhon
enior Manager

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

Project Name : EIA Monitoring

Project Location :

2ate ReDeiced : Mar 03, 1013

Date Reported : Mar 16, 2013

Report 5u7 4er : JvFF819b1

- age F oN8

Sample Number	J3J1m18bl
Sampled Date	Mar 01, 2023
Sample Description	Air Puality
Location	ชุมชนบางนาถวฬพัตถ mF- 0F3v680E, 1n08n695Q
Date Analysis Commenced	Mar 09, 2023
Condition of Sample	2rawn into one 6dL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
- entane	01/03/13 b 03/03/13	ug/7 3	0.v0	1.n8	1.9v	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
- ropanal	01/03/13 b 03/03/13	ug/7 3	0.v0	1.19	<1.19	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
- ropene f- ropyleneQ	01/03/13 b 03/03/13	ug/7 3	0.30	0.86	6.06	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
) tyrene	01/03/13 b 03/03/13	ug/7 3	0.F0	1.13	5ot 2 eteDed	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
TetraChloroethylene	01/03/13 b 03/03/13	ug/7 3	0.11	0.3m	5ot 2 eteDed	n00	Gased on () E- A Co7 pendiu7 Method, TBblv	- C2	Rayong
Toluene	01/03/13 b 03/03/13	ug/7 3	0.60	1.88	m3F	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
trans1,1b2 iDichloroethene	01/03/13 b 03/03/13	ug/7 3	0.F0	1.98	5ot 2 eteDed	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
trans1,3b2 iDichloropropene	01/03/13 b 03/03/13	ug/7 3	0.80	1.1F	5ot 2 eteDed	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
TriDichloroethylene	01/03/13 b 03/03/13	ug/7 3	0.09	0.1F	5ot 2 eteDed	130	Gased on () E- A Co7 pendiu7 Method, TBblv	- C2	Rayong
TriDichloroethane fxb11Q	01/03/13 b 03/03/13	ug/7 3	0.90	1.81	<1.81	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong
Kinyl ADetate	01/03/13 b 03/03/13	ug/7 3	0.60	1.F6	5ot 2 eteDed	5o)tandard	Gased on () E- A Co7 pendiu7 Method, TBblv	b	Rayong

D. Johnson.

2ez ChangDhon
Senior Manager

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Project Name : EIA Monitoring

Project Location :

2ate ReDeiced : Mar 03, 2013

Date Reported : Mar 16, 2013

Report 5u7 4er : JvFF819b1

- age 8 oN8

Sample Number	J3J1n18bl
Sampled Date	Mar 03, 2023
Sample Description	Air Puality
Location	ชุมชนบางนา ฟลัด nF- 0F3v680E, 1n08n695Q
Date Analysis Commenced	Mar 09, 2023
Condition of Sample	2rawn into one 6bl Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Kinyl Chloride	01/03/13 to 03/03/13	ug/7.3	0.0m	0.13	0.nfl	10	Gased on () E-A Co7 pendiu7 Method, TBblv	- C2	Rayong

Guideline :

5EG : 5otIndation oN5ational Enciron7 ent Goard, G.E. Jv60 fJ01FQ

- C2 : 50 tirages sur papier glacé, qui ont été publiés dans le Journal de la Société Royale de Médecine de Paris, tome 132, page 132, datée du 1er janvier 1978.

G.E. JvvJ fJ009Q

Sampled By : - uwanart - i7 pan

Re7 ark :

- LB2 : Li7 it oN2 eteDtion

- "<" : Lower than LBP fLi7 it oNP quantitation/ LBR fLi7 it oNP reporting

D. Johnson.

2ez ChangDhon
Senior Manager

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Lot ID: 2332140
v ate ReFeibed : Apr 0c, 2023
v ate Reported : Apr 08, 2023
Report 5u7 4er : 2602016J1

Page 1 of 8

Sample Number	2332c01j1
Sampled Date	Apr 03, 2023
Sample Description	Air Quality
Location	ชุมชนบางนาบร พัด คPE 0P3f 680D, 1c08c695Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Approved by

vez ChangFhon
Senior Manager

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Lot ID: 2332140
 v ate ReFeibed : Apr 0c, 2023
 v ate Reported : Apr 08, 2023
 Report 5u7 4er : 2602016J1

Page 2 of 8

Sample Number	2332c0111
Sampled Date	Apr 03, 2023
Sample Description	Air Nuality
Location	ชุมชนบางมาบาศ กิ่งก๊อต cPE 0P3f 680D, 1c08c695Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Approved by

vez ChangPhon
Senior Manager

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P8993c2/ DMAIL



Project Location :

Report 5u7 4er : 2602016J1

Page 3 of 8

Sample Number	2332c01j1
Sampled Date	Apr 03, 2023
Sample Description	Air Nuality
Location	ชุมชนบางนาบร พัด ค PE 0P3f 680D, 1c08c695Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2,3-Dibenzofuran	03/0c/23 1 0c/0c/23	ug/7 3	0.60	1.1P6	5.0t v eteFted 5.0	5.0) tandard	Gas on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
2,3-Dibromobenzene	03/0c/23 1 0c/0c/23	ug/7 3	0.10	1.23	2.11	5.0) tandard	Gas on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
3,4-Dibromobenzene	03/0c/23 1 0c/0c/23	ug/7 3	0.10	2.0f	5.0t v eteFted 5.0	5.0) tandard	Gas on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
3,4-Dibromobenzene	03/0c/23 1 0c/0c/23	ug/7 3	0.60	1.1P6	5.0t v eteFted 5.0	5.0) tandard	Gas on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
Aldrin	03/0c/23 1 0c/0c/23	ug/7 3	0.0f	0.18	0.1 c	860	Gas on () DEA Co7 pendiu7 Method, TB11f	ECv	Rayong
Aldrin	03/0c/23 1 0c/0c/23	ug/7 3	0.08	0.2c	c.1	5.0) tandard	Gas on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
Aldrin	03/0c/23 1 0c/0c/23	ug/7 3	0.30	0.8c	5.0t v eteFted 5.0	5.0) tandard	Gas on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
Aldrin	03/0c/23 1 0c/0c/23	ug/7 3	0.08	0.23	5.0t v eteFted 0.1f		Gas on () DEA Co7 pendiu7 Method, TB11f	ECv	Rayong
Aldrin	03/0c/23 1 0c/0c/23	ug/7 3	0.0P	0.22	5.0t v eteFted 10		Gas on () DEA Co7 pendiu7 Method, TB11f	ECv	Rayong
Benzo(a)pyrene	03/0c/23 1 0c/0c/23	ug/7 3	0.0f	0.16	0.26	P.6	Gas on () DEA Co7 pendiu7 Method, TB11f	ECv	Rayong
Benzo(a)pyrene Chloride	03/0c/23 1 0c/0c/23	ug/7 3	0.1P	0.12	5.0t v eteFted 12		Gas on () DEA Co7 pendiu7 Method, TB11f	ECv	Rayong

Approved by

vez ChangFon
Senior Manager

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Project Location :

Report 5u7 4er : 2602016J1

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Sample Number	2332c01J1
Sampled Date	Apr 03, 2023
Sample Description	Air Nuality
Location	ชุมชนบางนา ต. กิ่งค้อ cPE 0P3f 680D, 1c08c695Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Gro7 odiFlhloro7 ethane	03/0c/23 3 0c/0c/23	ug/7 3	1.00	3.3f	5ot v eteTted 5o) tandard		Gased on () DEA Co7 pendiu7 Method, TB3If	J	Rayong
Gro7 o-or7	03/0c/23 3 0c/0c/23	ug/7 3	1.00	f.1P	5ot v eteTted 5o) tandard		Gased on () DEA Co7 pendiu7 Method, TB3If	J	Rayong
Gro7 o7 ethane	03/0c/23 3 0c/0c/23	ug/7 3	0.06	0.19	<0.19	190	Gased on () DEA Co7 pendiu7 Method, TB3If	ECv	Rayong
Gutanal	03/0c/23 3 0c/0c/23	ug/7 3	0.c9	1.cP	5ot v eteTted 5o) tandard		Gased on () DEA Co7 pendiu7 Method, TB3If	J	Rayong
Car4on visul-ide	03/0c/23 3 0c/0c/23	ug/7 3	0.0f	0.16	0.3P	100	Gased on () DEA Co7 pendiu7 Method, TB3If	5DG	Rayong
Car4on TetraFloride	03/0c/23 3 0c/0c/23	ug/7 3	0.10	0.31	<0.31	1f 0	Gased on () DEA Co7 pendiu7 Method, TB3If	ECv	Rayong
Chloro4enLène	03/0c/23 3 0c/0c/23	ug/7 3	0.80	2.30	5ot v eteTted 5o) tandard		Gased on () DEA Co7 pendiu7 Method, TB3If	J	Rayong
Chlorodi-luoro7 ethane rñtCx322Q	03/0c/23 3 0c/0c/23	ug/7 3	0.60	1.PP	<1.PP	5o) tandard	Gased on () DEA Co7 pendiu7 Method, TB3If	J	Rayong
Chloroethane	03/0c/23 3 0c/0c/23	ug/7 3	0.c0	1.32	5ot v eteTted 5o) tandard		Gased on () DEA Co7 pendiu7 Method, TB3If	J	Rayong
Chloro-or7	03/0c/23 3 0c/0c/23	ug/7 3	0.08	0.2c	<0.2c	f P	Gased on () DEA Co7 pendiu7 Method, TB3If	ECv	Rayong
Chloro7 ethane	03/0c/23 3 0c/0c/23	ug/7 3	0.30	1.03	1.c0	5o) tandard	Gased on () DEA Co7 pendiu7 Method, TB3If	J	Rayong

Approved by

vez ChangPhon
Senior Manager

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Project Location :

Report 5u7 4er : 2602016J1

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Sample Number	2332c01j1
Sampled Date	Apr 03, 2023
Sample Description	Air Quality
Location	ชุมชนบางนาบร พัด ค PE 0P3f 680D, 1c08c695Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
FisJ1,3Jv iFloroethene	03/0c/23 J 0c/0c/23	ug/7 3	0.P0	1.98	5ot v eteFted 5o)tandard		Gased on () DEA Co7 pendiu7 Method, TBJ1f	J	Rayong
FisJ1,3Jv iFloropropene	03/0c/23 J 0c/0c/23	ug/7 3	0.80	2.2P	5ot v eteFted 5o)tandard		Gased on () DEA Co7 pendiu7 Method, TBJ1f	J	Rayong
CyFloheQane	03/0c/23 J 0c/0c/23	ug/7 3	0.60	1.P2	5ot v eteFted 5o)tandard		Gased on () DEA Co7 pendiu7 Method, TBJ1f	J	Rayong
CyFloptane	03/0c/23 J 0c/0c/23	ug/7 3	0.f 0	1.c3	<1.c3	5o)tandard	Gased on () DEA Co7 pendiu7 Method, TBJ1f	J	Rayong
v iFlorodi-luoro7 ethane rExCJ112Q	03/0c/23 J 0c/0c/23	ug/7 3	0.80	2.cP	<2.cP	5o)tandard	Gased on () DEA Co7 pendiu7 Method, TBJ1f	J	Rayong
v iFloro7 ethane	03/0c/23 J 0c/0c/23	ug/7 3	0.06	0.1P	0.28	210	Gased on () DEA Co7 pendiu7 Method, TBJ1f	ECv	Rayong
Dthanol	03/0c/23 J 0c/0c/23	ug/7 3	0.30	0.9c	P.01	5o)tandard	Gased on () DEA Co7 pendiu7 Method, TBJ1f	J	Rayong
Dthyl GenUene	03/0c/23 J 0c/0c/23	ug/7 3	0.P0	2.1P	5ot v eteFted 5o)tandard		Gased on () DEA Co7 pendiu7 Method, TBJ1f	J	Rayong
HeQanal	03/0c/23 J 0c/0c/23	ug/7 3	0.60	2.0f	5ot v eteFted 5o)tandard		Gased on () DEA Co7 pendiu7 Method, TBJ1f	J	Rayong
HeQane	03/0c/23 J 0c/0c/23	ug/7 3	0.60	1.P6	<1.P6	5o)tandard	Gased on () DEA Co7 pendiu7 Method, TBJ1f	J	Rayong
Iso4utene	03/0c/23 J 0c/0c/23	ug/7 3	0.c0	1.1f	5ot v eteFted 5o)tandard		Gased on () DEA Co7 pendiu7 Method, TBJ1f	J	Rayong

Approved by

vez ChangFhon
Senior Manager

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Project Location :

Report 5u7 4er : 2602016J1

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Sample Number	2332c0111
Sampled Date	Apr 03, 2023
Sample Description	Air Nuality
Location	ชุมชนบางมาบาศ กิ่งก๊อต cPE 0P3f 680D, 1c08c695Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	03/0c/23 J 0c/0c/23	ug/7 3	0.f 0	1.39	5ot v eteFtd 5o) tandard	Gased on () DEA Co7 pendiu7 Method, TB J1f	J	Rayong	
7 ,pJ ylene	03/0c/23 J 0c/0c/23	ug/7 3	1.f 0	c.3c	5ot v eteFtd 5o) tandard	Gased on () DEA Co7 pendiu7 Method, TB J1f	J	Rayong	
MethaFrolein	03/0c/23 J 0c/0c/23	ug/7 3	0.f 0	1.c3	5ot v eteFtd 5o) tandard	Gased on () DEA Co7 pendiu7 Method, TB J1f	J	Rayong	
Methanol	03/0c/23 J 0c/0c/23	ug/7 3	0.20	0.66	f .3f 5o) tandard	Gased on () DEA Co7 pendiu7 Method, TB J1f	J	Rayong	
Methyl Dthyl Xetone	03/0c/23 J 0c/0c/23	ug/7 3	0.f 0	1.cP	5ot v eteFtd 5o) tandard	Gased on () DEA Co7 pendiu7 Method, TB J1f	J	Rayong	
Methyl Iodide	03/0c/23 J 0c/0c/23	ug/7 3	0.90	2.90	5ot v eteFtd 5o) tandard	Gased on () DEA Co7 pendiu7 Method, TB J1f	J	Rayong	
Methyl Iso4utyl Xetone	03/0c/23 J 0c/0c/23	ug/7 3	0.P0	2.0f	5ot v eteFtd 5o) tandard	Gased on () DEA Co7 pendiu7 Method, TB J1f	J	Rayong	
Methyl tert 4utyl ether	03/0c/23 J 0c/0c/23	ug/7 3	0.60	1.80	5ot v eteFtd 5o) tandard	Gased on () DEA Co7 pendiu7 Method, TB J1f	J	Rayong	
Methyl Kinyl Xetone	03/0c/23 J 0c/0c/23	ug/7 3	0.f 0	1.c3	5ot v eteFtd 5o) tandard	Gased on () DEA Co7 pendiu7 Method, TB J1f	J	Rayong	
oJ ylene	03/0c/23 J 0c/0c/23	ug/7 3	0.P0	2.1P	5ot v eteFtd 5o) tandard	Gased on () DEA Co7 pendiu7 Method, TB J1f	J	Rayong	
Eentanal	03/0c/23 J 0c/0c/23	ug/7 3	0.f 0	1.P6	5ot v eteFtd 5o) tandard	Gased on () DEA Co7 pendiu7 Method, TB J1f	J	Rayong	

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Senior Manager

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Project Location :

Report 5u7 4er : 2602016J1

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Sample Number	2332c01j1
Sampled Date	Apr 03, 2023
Sample Description	Air Quality
Location	ชุมชนบางนาตราด ๓๕/๓๓ cPE 0P3f 680D, 1c08c695Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Eentane	03/0c/23 1 0c/0c/23	ug/7 3	0.f0	1.c8	<1.c8	5o)tandard	Gased on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
Eropanal	03/0c/23 1 0c/0c/23	ug/7 3	0.f0	1.19	5ot v eteFted	5o)tandard	Gased on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
Eropene nEroyleneQ	03/0c/23 1 0c/0c/23	ug/7 3	0.30	0.86	<0.86	5o)tandard	Gased on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
) tyrene	03/0c/23 1 0c/0c/23	ug/7 3	0.P0	2.13	5ot v eteFted	5o)tandard	Gased on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
TetraPhloroethylene	03/0c/23 1 0c/0c/23	ug/7 3	0.11	0.3c	5ot v eteFted	c00	Gased on () DEA Co7 pendiu7 Method, TB11f	ECv	Rayong
Toluene	03/0c/23 1 0c/0c/23	ug/7 3	0.60	1.88	<1.88	5o)tandard	Gased on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
trans11,23v iPhloroethene	03/0c/23 1 0c/0c/23	ug/7 3	0.P0	1.98	5ot v eteFted	5o)tandard	Gased on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
trans11,33v iPhloropropene	03/0c/23 1 0c/0c/23	ug/7 3	0.80	2.2P	5ot v eteFted	5o)tandard	Gased on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
TriPhloroethylene	03/0c/23 1 0c/0c/23	ug/7 3	0.09	0.2P	5ot v eteFted	130	Gased on () DEA Co7 pendiu7 Method, TB11f	ECv	Rayong
TriPhloro-luoro7 ethane nJ11Q	03/0c/23 1 0c/0c/23	ug/7 3	0.90	2.81	<2.81	5o)tandard	Gased on () DEA Co7 pendiu7 Method, TB11f	J	Rayong
Kinyl AFetate	03/0c/23 1 0c/0c/23	ug/7 3	0.60	1.P6	5ot v eteFted	5o)tandard	Gased on () DEA Co7 pendiu7 Method, TB11f	J	Rayong

Approved by

vez ChangFhon
Senior Manager

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Project Location :

Report 5u7 4er : 2602016J1

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Sample Number	2332c0111
Sampled Date	Apr 03, 2023
Sample Description	Air Nuality
Location	ชุมชนบางมาถา กิ่งกีด cPE 0P3f 680D, 1c08c695Q
Date Analysis Commenced	Apr 06, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Kinyl Chloride	03/0c/23 J 0c/0c/23	ug/7 3	0.0c	0.13	5ot v eteFtd 20		Gased on () DEA Co7 pendiu7 Method, TB J1f	ECv	Rayong

Guideline :

Sampled By : 5atthawut v uangpang

Re7 ark :

- LBv : Li7 it o- vetePtion
- "<" : Lower than LBN rti7 it o- NuantitationQ/ LBR rti7 it o- ReportingQ

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vez ChangFhon
Senior Manager

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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 Monitoring
Project Location :

Lot ID: 2346419
Date Received : May 03, 2023
Date Reported : May 10, 2023
Report SuN ner : 2632v21-1

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Sample Number : 23f 6f 19-1
Sampled Date : May 02, 2023
Sample Description : Air Quality
Location : กรุงเทพมหานคร (พิกัด f vP 0v37680E, 1f 08f 695)
Date Analysis Commenced : May 0f, 2023
Condition of Sample : 4rawn 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	02/07/23 - 03/07/23	ug/N 3	0.90	2.v3	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
1,1,2,2-TetraChloroethane	02/07/23 - 03/07/23	ug/N 3	0.10	0.3f	5ot 4eteDted 83		Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
1,1,2-Trichloro-1,2,2-Trifluoroethane	02/07/23 - 03/07/23	ug/N 3	1.00	3.83	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
1,1,2-Trichloroethane	02/07/23 - 03/07/23	ug/N 3	0.90	2.v3	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
1,1-4ichloroethane	02/07/23 - 03/07/23	ug/N 3	0.v0	2.02	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
1,1-4ichloroethene	02/07/23 - 03/07/23	ug/N 3	0.v0	1.98	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
1,2,3-Trichloroethene	02/07/23 - 03/07/23	ug/N 3	0.80	2.f 6	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
1,2,f -Trichloromethylene	02/07/23 - 03/07/23	ug/N 3	1.20	3.v1	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
1,2,f -Trichloroethene	02/07/23 - 03/07/23	ug/N 3	0.80	2.f 6	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
1,2-4imroethane	02/07/23 - 03/07/23	ug/N 3	0.10	0.38	5ot 4eteDted 3v0		Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
1,2-4ichloromethylene	02/07/23 - 03/07/23	ug/N 3	0.20	0.60	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong

Approved by

N. Banthongkit

SaruN on Banthongkit
Supervisor

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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 Monitoring
Project Location :

Lot ID: 2346419
Date Received : May 03, 2023
Date Reported : May 10, 2023
Report SuN ner : 2632v21-1

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Sample Number : 23f 6f 19-1
Sampled Date : May 02, 2023
Sample Description : Air Quality
Location : กรุงเทพมหานคร (พิกัด f vP 0v37680E, 1f 08f 695)
Date Analysis Commenced : May 0f, 2023
Condition of Sample : 4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location	
Air Testing										
1,2-4iChloroethane	02/07/23 - 03/07/23	ug/N 3	0.0v	0.20	<0.20	f 8	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong	
1,2-4iChloropropane	02/07/23 - 03/07/23	ug/N 3	0.08	0.23	5ot 4eteDted 82		Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong	
1,2-4iChlorotetrafluoroethane	02/07/23 - 03/07/23	ug/N 3	1.20	3.70	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong	
1,3,7-TriN ethylmzene	02/07/23 - 03/07/23	ug/N 3	0.80	2.f 6	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong	
1,3-Butadiene	02/07/23 - 03/07/23	ug/N 3	0.0f	0.11	0.v1	7.3	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong	
1,3-4iChloromzene	02/07/23 - 03/07/23	ug/N 3	0.20	0.60	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong	
1,f -4iChloromzene	02/07/23 - 03/07/23	ug/N 3	0.20	0.60	5ot 4eteDted 1100		Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong	
1,f -4ioxane	02/07/23 - 03/07/23	ug/N 3	0.10	0.36	5ot 4eteDted 860		Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong	
1-Butanol	02/07/23 - 03/07/23	ug/N 3	0.70	1.72	<1.72	5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
1-Propanol	02/07/23 - 03/07/23	ug/N 3	0.f 0	1.23	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong	
2-Hexanone	02/07/23 - 03/07/23	ug/N 3	0.v0	2.07	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong	

Approved by

N. Banthongkit

SaruN on Banthongkit
Supervisor

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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 Monitoring

Project Location :

Lot ID: 2346419

4ate ReDeiced : May 03, 2023

4ate Reported : May 10, 2023

Report 5uN ner : 2632v21-1

Page 3 ob8

Sample Number	23f 6f 19-1
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	พิกัด f vP 0v37680E, 1f 08f 695)
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2-Pentanone	02/07/23 - 03/07/23	ug/N 3	0.60	1.v6	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
2-Propanol	02/07/23 - 03/07/23	ug/N 3	0.f 0	1.23	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
3-Hexanone	02/07/23 - 03/07/23	ug/N 3	0.v0	2.07	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
3-Pentanone	02/07/23 - 03/07/23	ug/N 3	0.60	1.v6	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
ADetaldehyde	02/07/23 - 03/07/23	ug/N 3	0.07	0.18	3.03	860	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
ADetone	02/07/23 - 03/07/23	ug/N 3	0.08	0.2f	9.1v	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
ADetonitrile	02/07/23 - 03/07/23	ug/N 3	0.30	0.8f	<0.8f	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
ADrolein	02/07/23 - 03/07/23	ug/N 3	0.08	0.23	<0.23	0.77	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
ADrylonitrile	02/07/23 - 03/07/23	ug/N 3	0.0v	0.22	5ot 4eteDted 10		Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
Benzene	02/07/23 - 03/07/23	ug/N 3	0.07	0.16	0.71	v.6	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
Benzyl Chloride	02/07/23 - 03/07/23	ug/N 3	0.1v	0.72	5ot 4eteDted 12		Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong

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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 Monitoring

Project Location :

Lot ID: 2346419

4ate ReDeiced : May 03, 2023

4ate Reported : May 10, 2023

Report 5uN ner : 2632v21-1

Page f ob8

Sample Number	23f 6f 19-1
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	พิกัด f vP 0v37680E, 1f 08f 695)
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
BroN odiChloroN ethane	02/07/23 - 03/07/23	ug/N 3	1.00	3.37	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
BroN obtrN	02/07/23 - 03/07/23	ug/N 3	1.00	7.1v	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
BroN oN ethane	02/07/23 - 03/07/23	ug/N 3	0.06	0.19	<0.19	190	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
Butanal	02/07/23 - 03/07/23	ug/N 3	0.f 9	1.f v	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Carmon 4isulide	02/07/23 - 03/07/23	ug/N 3	0.07	0.16	5ot 4eteDted 100		Based on US EPA CoN pendiuN Method, TO-17	5EB	Rayong
Carmon TetraChloride	02/07/23 - 03/07/23	ug/N 3	0.10	0.31	<0.31	170	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
Chloromenzene	02/07/23 - 03/07/23	ug/N 3	0.80	2.30	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
ChlorodiChloroN ethane (HCFC-22)	02/07/23 - 03/07/23	ug/N 3	0.60	1.vv	<1.vv	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Chloroethane	02/07/23 - 03/07/23	ug/N 3	0.f 0	1.32	5ot 4eteDted 5o	Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
ChlorobtrN	02/07/23 - 03/07/23	ug/N 3	0.08	0.2f	<0.2f	7v	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
ChloroN ethane	02/07/23 - 03/07/23	ug/N 3	0.30	1.03	1.69	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong

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

Lot ID: 2346419
Date Received : May 03, 2023
Date Reported : May 10, 2023
Report SuN ner : 2632v21-1

Page 7 of 8

Sample Number 23f 6f 19-1
Sampled Date May 02, 2023
Sample Description Air Quality
Location กรุงเทพมหานคร (พิกัด f vP 0v37680E, 1f 08f 695)
Date Analysis Commenced May 0f, 2023
Condition of Sample 4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Di-1,2-diChloroethene	02/07/23 - 03/07/23	ug/N 3	0.v0	1.98	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Di-1,3-diChloropropene	02/07/23 - 03/07/23	ug/N 3	0.80	2.2v	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
CyDohexane	02/07/23 - 03/07/23	ug/N 3	0.60	1.v2	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
CyDopentane	02/07/23 - 03/07/23	ug/N 3	0.70	1.f 3	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
4iChlorodiFluoroN ethane (CFC-112)	02/07/23 - 03/07/23	ug/N 3	0.80	2.f v	3.76	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
4iChloroN ethane	02/07/23 - 03/07/23	ug/N 3	0.06	0.1v	0.21	210	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
Ethanol	02/07/23 - 03/07/23	ug/N 3	0.30	0.9f	7.13	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Ethyl Benzene	02/07/23 - 03/07/23	ug/N 3	0.v0	2.1v	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Hexanal	02/07/23 - 03/07/23	ug/N 3	0.60	2.07	2.29	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Hexane	02/07/23 - 03/07/23	ug/N 3	0.60	1.v6	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Isomutene	02/07/23 - 03/07/23	ug/N 3	0.f 0	1.17	1.19	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong

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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 Monitoring
Project Location :

Lot ID: 2346419
Date Received : May 03, 2023
Date Reported : May 10, 2023
Report SuN ner : 2632v21-1

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Sample Number 23f 6f 19-1
Sampled Date May 02, 2023
Sample Description Air Quality
Location กรุงเทพมหานคร (พิกัด f vP 0v37680E, 1f 08f 695)
Date Analysis Commenced May 0f, 2023
Condition of Sample 4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	02/07/23 - 03/07/23	ug/N 3	0.70	1.39	<1.39	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
N,p-Xylene	02/07/23 - 03/07/23	ug/N 3	1.70	f.3f	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
MethaDrolein	02/07/23 - 03/07/23	ug/N 3	0.70	1.f 3	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Methanol	02/07/23 - 03/07/23	ug/N 3	0.20	0.66	7.66	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Methyl Ethyl Ketone	02/07/23 - 03/07/23	ug/N 3	0.70	1.f v	<1.f v	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Methyl Iodide	02/07/23 - 03/07/23	ug/N 3	0.90	2.90	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Methyl Isomutyl Ketone	02/07/23 - 03/07/23	ug/N 3	0.v0	2.07	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Methyl tert mutyl ether	02/07/23 - 03/07/23	ug/N 3	0.60	1.80	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Methyl Vinyl Ketone	02/07/23 - 03/07/23	ug/N 3	0.70	1.f 3	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
o-Xylene	02/07/23 - 03/07/23	ug/N 3	0.v0	2.1v	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Pentanal	02/07/23 - 03/07/23	ug/N 3	0.70	1.v6	5ot 4eteDted	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong

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Project Location :

Report 5µN mer : 2632v21-1

Page y ob8

Sample Number	23f6f 19-1
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	ชุมชนบางนาตรา (พิกัด f vP 0v37680E, 1f 08f 695)
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Pentane	02/07/23 - 03/07/23	ug/N 3	0.70	1.f 8	1.89	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Propanal	02/07/23 - 03/07/23	ug/N 3	0.70	1.19	<1.19	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Propene (Propylene)	02/07/23 - 03/07/23	ug/N 3	0.30	0.86	2.f 1	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Styrene	02/07/23 - 03/07/23	ug/N 3	0.v0	2.13	5ot 4 eteDed	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
TetraChloroethylene	02/07/23 - 03/07/23	ug/N 3	0.11	0.3f	5ot 4 eteDed f 00		Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
Toluene	02/07/23 - 03/07/23	ug/N 3	0.60	1.88	f.3v	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
trans-1,2-4iDhloroethene	02/07/23 - 03/07/23	ug/N 3	0.v0	1.98	5ot 4 eteDed	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
trans-1,3-4iDhloropropene	02/07/23 - 03/07/23	ug/N 3	0.80	2.2v	5ot 4 eteDed	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
TriDhloroethylene	02/07/23 - 03/07/23	ug/N 3	0.09	0.2v	<0.2v	130	Based on US EPA CoN pendiuN Method, TO-17	PC4	Rayong
TriDhloroDuoroNethane (F-11)	02/07/23 - 03/07/23	ug/N 3	0.90	2.81	<2.81	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong
Vinyl ADetate	02/07/23 - 03/07/23	ug/N 3	0.60	1.v6	5ot 4 eteDed	5o Standard	Based on US EPA CoN pendiuN Method, TO-17	-	Rayong

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Project Location :

Report 5 uN per : 2632v21-1

Page 8 ob8

Sample Number	23f 6f 19-1
Sampled Date	May 02, 2023
Sample Description	Air Quality
Location	ชุมชนบางมา (พิกัด f vP 0v37680E, 1f 08f 695)
Date Analysis Commenced	May 0f, 2023
Condition of Sample	4rawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	02/07/23 - 03/07/23	ug/N3	0.0f	0.13	<0.13	20	Based on US EPA CoNpendiuN Method, TO-17	PC4	Rayong

Guideline :

PC4 : 5otibDation obthe Pollution Control 4epartNent, whiCh was published in the Royal GocernNent Gazette Vol. 126 SpeDial Part 13 4 dated January 2v, B.E. 2772 (2009).

Sampled By : Puwanart PiN pan

ReNark :

- LO4 : 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 : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355717

vate ReFeilbed : cun 02, 2023

vate Reported : cun 05, 2023

Report 4u- Ner : 2672570J1

Sample Number 2377515J1
Sampled Date cun 01, 2023
Sample Description Air Puality
Location ชุมชนเกษตรกรรม ฟาร์ม Q5E 0537680D, 1Q08Q694 G
Date Analysis Commenced cun 03, 2023
Condition of Sample vrawn into one 6JL Canister

Page 1 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,1,1TriFloroethane	01/06/23 J 02/06/23	ug/- 3	0.90	2.53	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
1,1,2,2TetraFloroethane	01/06/23 J 02/06/23	ug/- 3	0.10	0.3Q	4ot v eteFted 83		(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
1,1,2TriFloroJ1,2,2TriFloroethane	01/06/23 J 02/06/23	ug/- 3	1.00	3.83	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
1,1,2TriFloroethane	01/06/23 J 02/06/23	ug/- 3	0.90	2.53	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
1,1,1v iFloroethane	01/06/23 J 02/06/23	ug/- 3	0.50	2.02	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
1,1,1v iFloroethene	01/06/23 J 02/06/23	ug/- 3	0.50	1.98	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
1,2,3JTri- ethylNenSene	01/06/23 J 02/06/23	ug/- 3	0.80	2.Q6	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
1,2,QTriFloroNenSene	01/06/23 J 02/06/23	ug/- 3	1.20	3.51	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
1,2,QTri- ethylNenSene	01/06/23 J 02/06/23	ug/- 3	0.80	2.Q6	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
1,2,1v iFloroethane	01/06/23 J 02/06/23	ug/- 3	0.10	0.38	4ot v eteFted 350		(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
1,2,1v iFloroNenSene	01/06/23 J 02/06/23	ug/- 3	0.20	0.60	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong

Approved by

D. Phonsa

v e< ChangPhon
Benior Manager

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Analysis / Test Report

Client : RIL 1996 Co., Ltd.

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

P/O : EMMJ23J22

Project Name : DIA Monitoring

Project Location :

Lot ID: 2355717

vate ReFeilbed : cun 02, 2023

vate Reported : cun 05, 2023

Report 4u- Ner : 2672570J1

Sample Number 2377515J1
Sampled Date cun 01, 2023
Sample Description Air Puality
Location ชุมชนเกษตรกรรม ฟาร์ม Q5E 0537680D, 1Q08Q694 G
Date Analysis Commenced cun 03, 2023
Condition of Sample vrawn into one 6JL Canister

Page 2 of 8

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,2,1v iFloroethane	01/06/23 J 02/06/23	ug/- 3	0.05	0.20	0.32	Q8	(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
1,2,1v iFloroethane	01/06/23 J 02/06/23	ug/- 3	0.08	0.23	4ot v eteFted 82		(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
1,2,1v iFloroethane	01/06/23 J 02/06/23	ug/- 3	1.20	3.70	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
1,3,7JTri- ethylNenSene	01/06/23 J 02/06/23	ug/- 3	0.80	2.Q6	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
1,3,1v iFloroethane	01/06/23 J 02/06/23	ug/- 3	0.0Q	0.11	1.99	7.3	(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
1,3,1v iFloroethene	01/06/23 J 02/06/23	ug/- 3	0.20	0.60	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
1,Qv iFloroNenSene	01/06/23 J 02/06/23	ug/- 3	0.20	0.60	4ot v eteFted 1100		(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
1,Qv iFloroNenSene	01/06/23 J 02/06/23	ug/- 3	0.10	0.36	4ot v eteFted 860		(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
1,1v iFloroethane	01/06/23 J 02/06/23	ug/- 3	0.70	1.72	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
1,1v iFloroethene	01/06/23 J 02/06/23	ug/- 3	0.0Q	1.23	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
2,2Hezanone	01/06/23 J 02/06/23	ug/- 3	0.50	2.07	4ot v eteFted 4o	Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong

Approved by

D. Phonsa

v e< ChangPhon
Benior Manager

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Sample Number	2377515J1
Sampled Date	cun 01, 2023
Sample Description	Air Puality
Location	ขงขงขงขงขง Q5E 0537680D, 1Q08Q694 G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
2JEentanone	01/06/23 J 02/06/23	ug/- 3	0.60	1.56	4ot v eteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
2JEropanol	01/06/23 J 02/06/23	ug/- 3	0.Q0	1.23	4ot v eteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
3JHezanone	01/06/23 J 02/06/23	ug/- 3	0.50	2.07	4ot v eteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
3JEentanone	01/06/23 J 02/06/23	ug/- 3	0.60	1.56	4ot v eteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
AFetaldehyde	01/06/23 J 02/06/23	ug/- 3	0.07	0.18	2.96	860	(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
AFetone	01/06/23 J 02/06/23	ug/- 3	0.08	0.2Q	7.61	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
AFetonitrile	01/06/23 J 02/06/23	ug/- 3	0.30	0.8Q	4ot v eteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
AFrolein	01/06/23 J 02/06/23	ug/- 3	0.08	0.23	x 0.23	0.77	(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
AFrylonitrile	01/06/23 J 02/06/23	ug/- 3	0.05	0.22	4ot v eteFted	10	(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
(enSene	01/06/23 J 02/06/23	ug/- 3	0.07	0.16	3.83	5.6	(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
(enSyl Chloride	01/06/23 J 02/06/23	ug/- 3	0.15	0.72	4ot v eteFted	12	(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong

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Report 4u- Ner : 2672570J1

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Sample Description	Air Puality
Location	ขงขงขงขงขง Q5E 0537680D, 1Q08Q694 G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
(ro- odifloro- ethane	01/06/23 J 02/06/23	ug/- 3	1.00	3.37	4ot v eteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
(ro- oror-	01/06/23 J 02/06/23	ug/- 3	1.00	7.15	4ot v eteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
(ro- o- ethane	01/06/23 J 02/06/23	ug/- 3	0.06	0.19	0.31	190	(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
(utanal	01/06/23 J 02/06/23	ug/- 3	0.Q9	1.Q5	4ot v eteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
CarNon visulirite	01/06/23 J 02/06/23	ug/- 3	0.07	0.16	0.19	100	(ased on) B DEA Co- pendiu- Method, TUJ17	4D(	Rayong
CarNon TetraFloride	01/06/23 J 02/06/23	ug/- 3	0.10	0.31	x 0.31	170	(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
ChloroNenSene	01/06/23 J 02/06/23	ug/- 3	0.80	2.30	4ot v eteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Chlorodirfluoro- ethane fHCJ CJ22G	01/06/23 J 02/06/23	ug/- 3	0.60	1.55	x 1.55	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Chloroethane	01/06/23 J 02/06/23	ug/- 3	0.Q0	1.32	4ot v eteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Chlororor-	01/06/23 J 02/06/23	ug/- 3	0.08	0.2Q	x 0.2Q	75	(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
Chloro- ethane	01/06/23 J 02/06/23	ug/- 3	0.30	1.03	2.Q0	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong

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Report 4u- Ner : 2672570J1

Page 7 of 8

Sample Number	2377515J1
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Sample Description	Air Puality
Location	ขงขงขงขงขง Q5E 0537680D, 1Q08Q694 G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
FisJ1,2Jv iFloroethene	01/06/23 J 02/06/23	ug/- 3	0.50	1.98	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
FisJ1,3Jv iFloropropene	01/06/23 J 02/06/23	ug/- 3	0.80	2.25	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
CyFlohezane	01/06/23 J 02/06/23	ug/- 3	0.60	1.52	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
CyFlopentane	01/06/23 J 02/06/23	ug/- 3	0.70	1.Q3	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
v iFlorodirfuoro- ethane fCJ CJ112G	01/06/23 J 02/06/23	ug/- 3	0.80	2.Q5	2.55	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
v iFloro- ethane	01/06/23 J 02/06/23	ug/- 3	0.06	0.15	0.21	210	(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
Dthanol	01/06/23 J 02/06/23	ug/- 3	0.30	0.9Q	2.26	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Dthyl (enSene	01/06/23 J 02/06/23	ug/- 3	0.50	2.15	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Hezanal	01/06/23 J 02/06/23	ug/- 3	0.60	2.07	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Hezane	01/06/23 J 02/06/23	ug/- 3	0.60	1.56	x 1.56	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
IsoNutene	01/06/23 J 02/06/23	ug/- 3	0.Q0	1.17	3.90	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong

Approved by

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Location	ขงขงขงขงขง Q5E 0537680D, 1Q08Q694 G
Date Analysis Commenced	cun 03, 2023
Condition of Sample	vrawn into one 6JL Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Isoprene	01/06/23 J 02/06/23	ug/- 3	0.70	1.39	x 1.39	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
- ,pXylene	01/06/23 J 02/06/23	ug/- 3	1.70	Q.3Q	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
MethaFrolein	01/06/23 J 02/06/23	ug/- 3	0.70	1.Q3	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Methanol	01/06/23 J 02/06/23	ug/- 3	0.20	0.66	15.Q7	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Methyl Dthyl Ketone	01/06/23 J 02/06/23	ug/- 3	0.70	1.Q5	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Methyl Iodide	01/06/23 J 02/06/23	ug/- 3	0.90	2.90	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Methyl IsoNutyI Ketone	01/06/23 J 02/06/23	ug/- 3	0.50	2.07	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Methyl tert Nutyl ether	01/06/23 J 02/06/23	ug/- 3	0.60	1.80	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Methyl Vinyl Ketone	01/06/23 J 02/06/23	ug/- 3	0.70	1.Q3	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
oXylene	01/06/23 J 02/06/23	ug/- 3	0.50	2.15	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Eentanal	01/06/23 J 02/06/23	ug/- 3	0.70	1.56	4ot v etePted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong

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Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Eentane	01/06/23 J 02/06/23	ug/- 3	0.70	1.Q8	1.73	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Eropanal	01/06/23 J 02/06/23	ug/- 3	0.70	1.19	4ot veteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Eropene fEropyleneG	01/06/23 J 02/06/23	ug/- 3	0.30	0.86	13.73	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Btyrene	01/06/23 J 02/06/23	ug/- 3	0.50	2.13	4ot veteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
TetraFloroethylene	01/06/23 J 02/06/23	ug/- 3	0.11	0.3Q	4ot veteFted Q00		(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
Toluene	01/06/23 J 02/06/23	ug/- 3	0.60	1.88	3.92	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
transJ1,2Jv iFloroethene	01/06/23 J 02/06/23	ug/- 3	0.50	1.98	4ot veteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
transJ1,3Jv iFloropropene	01/06/23 J 02/06/23	ug/- 3	0.80	2.25	4ot veteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
TriFloroethylene	01/06/23 J 02/06/23	ug/- 3	0.09	0.25	4ot veteFted 130		(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong
TriFlorortuoro- ethane fJ11G	01/06/23 J 02/06/23	ug/- 3	0.90	2.81	x 2.81	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong
Vinyl AFetate	01/06/23 J 02/06/23	ug/- 3	0.60	1.56	4ot veteFted	4o Btandard	(ased on) B DEA Co- pendiu- Method, TUJ17	J	Rayong

Approved by

D. Chumma

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Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Vinyl Chloride	01/06/23 J 02/06/23	ug/- 3	0.0Q	0.13	0.Q6	20	(ased on) B DEA Co- pendiu- Method, TUJ17	ECv	Rayong

Guideline :

4D : 4 otinFation omfational Dniron- ent (oard, (.D. 2760 f2015G

ECv : 4 otinFation onthe Eollution Control vepart- ent, whiFh was puNished in the Royal Oobern- ent OaSette Vol. 126 BpeFial Eart 13 v dated canuary 25,

(.D. 2772 f2009G

Sampled By : Anurak Tongkha-onsakda

Re- ark :

- LUV : Li- it omv eteFtion
- "x" : Lower than LUP fLi- it omPuantitationG/ LUR fLi- it omReportingG

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 Benior Manager

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ภาคผนวก ง.2

ใบรับรองผลการตรวจวัดคุณภาพอากาศจากแหล่งกำเนิด



บริษัท ซีคอต จำกัด
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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 223097/MON1H/2100-H1
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 01/06/2023
RECEIVED DATE	: 08/06/2023	ANALYTICAL DATE	: 13-20/06/2023
REPORT DATE	: 26/06/2023	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	: 4.2 m/s
Diameter	: 2.49 m	Flow rate ^{1/}	: 694 Ncu.m/min
Temperature	: 193.0 °C	Excess Oxygen	: 4.9 %
Moisture	: 10.8 %		

PARAMETER	UNIT	RESULT ^{1/}			STANDARD ^{2/}		REFERENCE METHOD
		4.9%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Sulfur Dioxide (SO ₂)	ppm	8.83	7.66	0.268	209	11.151	US EPA Method 6C
Oxide of Nitrogen (NO _x)	ppm	17.71	15.37	0.385	59	2.278	US EPA Method 7E

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
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. ^{1/} At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.

4. ^{2/} The assigned value in EIA report (B.E.2558).

5. - Not available.



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 223097/MON1H/2100-H1
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 01/06/2023
RECEIVED DATE	: 06/06/2023	ANALYTICAL DATE	: 07/06/2023
REPORT DATE	: 17/06/2023	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2100-H1	SITE OPERATOR	: Mr. Rommadon Lemmad
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 62.50 m	Gas Velocity	: 4.2 m/s
Diameter	: 2.49 m	Flow rate ^{1/}	: 694 Ncu.m/min
Temperature	: 193.0 °C	Excess Oxygen	: 4.9 %
Moisture	: 10.8 %		

PARAMETER	UNIT	RESULT ^{1/}			STANDARD		REFERENCE METHOD
		4.9%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	1.79	1.55	0.037	-	-	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. ^{1/} 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
June 1, 2023

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	4.99	4.98	17.78	18.04	15.75
2	4.96	4.94	17.43	17.69	15.41
3	4.74	4.72	17.15	17.41	14.96
Average	4.90	4.88	17.45	17.71	15.37

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	4.99	4.98	8.92	8.88	7.75
2	4.96	4.94	8.88	8.84	7.70
3	4.74	4.72	8.80	8.76	7.53
Average	4.90	4.88	8.87	8.83	7.66

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 1
Date: June 1, 2023
Start time: 11:00 AM
O₂ instrument Model: AMI 70
NO_x instrument Model: TELEDYNE 200 EM
SO₂ instrument Model: API 100 AH
Fuel Type : Fuel Gas
Location : 2100 - H1
Finish time : 11:20 AM
Serial No.: 161212-14
Serial No.: 435
Serial No.: 058
Test Operator : Kittipong T.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
11:00 AM	4.94	17.25	8.72
11:01 AM	4.98	17.25	8.42
11:02 AM	5.00	17.37	8.37
11:03 AM	4.96	17.55	8.33
11:04 AM	4.97	17.65	8.62
11:05 AM	5.14	17.81	8.73
11:06 AM	5.14	18.04	8.82
11:07 AM	4.89	18.00	8.92
11:08 AM	4.84	17.83	9.17
11:09 AM	4.83	17.75	9.49
11:10 AM	5.02	17.68	9.30
11:11 AM	5.00	17.80	9.22
11:12 AM	5.11	17.86	9.44
11:13 AM	4.97	17.92	9.44
11:14 AM	5.03	17.98	9.00
11:15 AM	5.11	17.99	8.70
11:16 AM	4.99	18.12	8.83
11:17 AM	5.00	18.02	8.95
11:18 AM	4.91	17.82	8.87
11:19 AM	4.99	17.86	9.06
11:20 AM	5.03	17.93	8.92
Average	4.99	17.78	8.92

Signature



(Miss Katesarin Vorrade Wittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 2

Date: June 1, 2023
 Start time: 11:21 AM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EM
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2100 - H1
 Finish time : 11:41 AM
 Serial No.: 161212-14
 Serial No.: 435
 Serial No.: 058
 Test Operator : Kittipong T.

Time, min	O ₂ (%)	NOx (ppm)	SO2 (ppm)
11:21 AM	5.02	18.02	8.93
11:22 AM	5.00	18.02	9.00
11:23 AM	4.97	18.03	8.86
11:24 AM	5.02	17.97	8.77
11:25 AM	5.24	17.92	8.79
11:26 AM	4.96	17.94	8.83
11:27 AM	4.99	17.63	8.80
11:28 AM	4.94	17.21	8.85
11:29 AM	4.94	17.19	9.04
11:30 AM	4.98	17.23	8.99
11:31 AM	4.84	17.20	8.69
11:32 AM	4.85	17.05	8.76
11:33 AM	4.99	17.10	8.94
11:34 AM	5.02	17.22	8.96
11:35 AM	5.09	17.28	8.96
11:36 AM	4.94	17.35	9.08
11:37 AM	4.89	17.22	8.83
11:38 AM	4.97	17.01	8.75
11:39 AM	4.98	17.04	9.05
11:40 AM	4.83	17.15	8.95
11:41 AM	4.78	17.16	8.63
Average	4.96	17.43	8.88

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 3

Date: June 1, 2023
 Start time: 11:42 AM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EM
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2100 - H1
 Finish time : 12:02 PM
 Serial No.: 161212-14
 Serial No.: 435
 Serial No.: 058
 Test Operator : Kittipong T.

Time, min	O ₂ (%)	NOx (ppm)	SO2 (ppm)
11:42 AM	4.84	17.10	8.50
11:43 AM	4.72	17.14	8.62
11:44 AM	4.83	17.14	8.86
11:45 AM	4.83	17.21	8.96
11:46 AM	4.77	17.37	8.90
11:47 AM	4.75	17.24	9.05
11:48 AM	4.84	17.13	8.89
11:49 AM	4.91	17.26	8.97
11:50 AM	4.74	17.31	8.87
11:51 AM	4.74	17.17	8.90
11:52 AM	4.70	17.03	8.75
11:53 AM	4.73	16.98	8.80
11:54 AM	4.81	17.00	8.97
11:55 AM	4.77	17.18	8.79
11:56 AM	4.66	17.27	8.54
11:57 AM	4.62	17.17	8.42
11:58 AM	4.61	17.11	8.64
11:59 AM	4.61	17.00	8.97
12:00 PM	4.71	17.03	8.85
12:01 PM	4.65	17.07	8.81
12:02 PM	4.67	17.14	8.83
Average	4.74	17.15	8.80

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REFERENCE NO. : 223097/MON1H/2150-H1/2
Branch 5 (Aromatics 2 Plant)
SAMPLING BY : SECOT Co., Ltd. SAMPLING DATE : 01/06/2023
RECEIVED DATE : 08/06/2023 ANALYTICAL DATE : 13-20/06/2023
REPORT DATE : 26/06/2023 SAMPLE CONDITION : Normal
STACK LOCATION : 2150-H1/2 SITE OPERATOR : Mr. Kittipong Thakoengsuk
SOURCE DESCRIPTION : Combustion FUEL TYPE : Fuel gas

STACK DESCRIPTION

Height : 65.00 m Gas Velocity : 4.0 m/s
Diameter : 2.10 m Flow rate^{1/} : 464 Ncu.m/min
Temperature : 200.0 °C Excess Oxygen : 5.7 %
Moisture : 11.2 %

PARAMETER	UNIT	RESULT ^{1/}			STANDARD ^{2/}		REFERENCE METHOD
		5.7%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Sulfur Dioxide (SO ₂)	ppm	4.16	3.80	0.084	98	3.288	US EPA Method 6C
Oxide of Nitrogen (NO _x)	ppm	19.09	17.43	0.278	57	1.364	US EPA Method 7E

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
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. ^{1/} At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.

4. ^{2/} The assigned value in EIA report (B.E.2558).

5. - Not available.



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REFERENCE NO. : 223097/MON1H/2150-H1/2
Branch 5 (Aromatics 2 Plant)
SAMPLING BY : SECOT Co., Ltd. SAMPLING DATE : 01/06/2023
RECEIVED DATE : 06/06/2023 ANALYTICAL DATE : 07/06/2023
REPORT DATE : 17/06/2023 SAMPLE CONDITION : Normal
STACK LOCATION : 2150-H1/2 SITE OPERATOR : Mr. Rommadon Lemmad
SOURCE DESCRIPTION : Combustion FUEL TYPE : Fuel gas

STACK DESCRIPTION

Height : 65.00 m Gas Velocity : 4.0 m/s
Diameter : 2.10 m Flow rate^{1/} : 464 Ncu.m/min
Temperature : 200.0 °C Excess Oxygen : 5.7 %
Moisture : 11.2 %

PARAMETER	UNIT	RESULT ^{1/}			STANDARD		REFERENCE METHOD
		5.7%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	0.43	0.39	0.006	-	-	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. ^{1/} 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
June 1, 2023

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	5.78	5.75	18.16	18.45	16.93
2	5.68	5.65	19.07	19.42	17.70
3	5.66	5.63	19.02	19.41	17.67
Average	5.70	5.68	18.75	19.09	17.43

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	5.78	5.75	3.43	3.38	3.10
2	5.68	5.65	4.39	4.34	3.96
3	5.66	5.63	4.83	4.77	4.34
Average	5.70	5.68	4.22	4.16	3.80

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Date: June 1, 2023
 Start time: 2:50 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: API 200 AH
 SO₂ instrument Model: API 100 AH
 Fuel Type: Fuel Gas

Run #: 1
 Location: 2150 - H1/2
 Finish time: 3:10 PM
 Serial No.: 121121-10
 Serial No.: 441
 Serial No.: 132
 Test Operator: Kittipong T.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
2:50 PM	6.04	17.06	2.71
2:51 PM	5.94	17.01	2.98
2:52 PM	5.89	16.93	2.99
2:53 PM	5.86	17.30	3.02
2:54 PM	5.77	17.72	3.23
2:55 PM	5.73	17.62	3.50
2:56 PM	5.77	17.67	3.50
2:57 PM	5.80	17.92	3.45
2:58 PM	5.79	18.15	3.49
2:59 PM	5.79	18.39	3.51
3:00 PM	5.83	18.52	3.49
3:01 PM	5.69	18.32	3.48
3:02 PM	5.72	18.25	3.53
3:03 PM	5.72	18.48	3.60
3:04 PM	5.74	18.67	3.57
3:05 PM	5.69	18.77	3.60
3:06 PM	5.69	18.54	3.41
3:07 PM	5.71	18.69	3.02
3:08 PM	5.71	19.33	3.81
3:09 PM	5.77	19.15	4.08
3:10 PM	5.65	18.78	3.96
Average	5.78	18.16	3.43

Signature



(Miss Katesarin Vorradeetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 2

Date: June 1, 2023
 Start time: 3:11 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: API 200 AH
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2150 - H1/2
 Finish time : 3:31 PM
 Serial No.: 121121-10
 Serial No.: 441
 Serial No.: 132
 Test Operator : Kittipong T.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
3:11 PM	5.71	19.16	3.80
3:12 PM	5.76	19.20	4.15
3:13 PM	5.72	18.82	4.35
3:14 PM	5.66	18.94	4.22
3:15 PM	5.73	19.02	4.19
3:16 PM	5.66	19.01	4.21
3:17 PM	5.62	18.94	4.45
3:18 PM	5.75	19.16	4.48
3:19 PM	5.71	19.10	4.23
3:20 PM	5.66	19.02	4.25
3:21 PM	5.66	18.99	4.43
3:22 PM	5.72	18.93	4.48
3:23 PM	5.69	18.86	4.34
3:24 PM	5.66	19.07	4.34
3:25 PM	5.71	19.35	4.48
3:26 PM	5.58	19.31	4.76
3:27 PM	5.62	19.24	4.50
3:28 PM	5.68	19.13	4.55
3:29 PM	5.68	19.23	4.62
3:30 PM	5.63	19.06	4.80
3:31 PM	5.67	18.83	4.63
Average	5.68	19.07	4.39

Signature 
 (Miss Katesarin Vorradetwittaya)
 Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 3

Date: June 1, 2023
 Start time: 3:32 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: API 200 AH
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2150 - H1/2
 Finish time : 3:52 PM
 Serial No.: 121121-10
 Serial No.: 441
 Serial No.: 132
 Test Operator : Kittipong T.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
3:32 PM	5.64	19.06	4.71
3:33 PM	5.63	19.08	4.62
3:34 PM	5.63	18.69	4.66
3:35 PM	5.63	18.66	4.69
3:36 PM	5.60	18.97	4.69
3:37 PM	5.72	19.17	4.66
3:38 PM	5.80	19.30	4.85
3:39 PM	5.65	19.28	4.76
3:40 PM	5.61	19.14	4.83
3:41 PM	5.67	19.04	4.86
3:42 PM	5.72	19.06	4.86
3:43 PM	5.52	18.94	4.85
3:44 PM	5.66	18.69	4.95
3:45 PM	5.65	19.07	4.88
3:46 PM	5.66	19.09	4.94
3:47 PM	5.70	19.20	4.97
3:48 PM	5.65	19.33	4.98
3:49 PM	5.64	18.95	4.97
3:50 PM	5.59	18.64	4.96
3:51 PM	5.67	18.81	4.84
3:52 PM	5.75	19.17	4.89
Average	5.66	19.02	4.83

Signature 
 (Miss Katesarin Vorradetwittaya)
 Environmental Scientist



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 223097/MON1H/2200-H1/2/3/4
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 01/06/2023
RECEIVED DATE	: 08/06/2023	ANALYTICAL DATE	: 13-20/06/2023
REPORT DATE	: 26/06/2023	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	: 7.2 m/s
Diameter	: 3.90 m	Flow rate ^{1/}	: 2,905 Ncu.m/min
Temperature	: 198.5 °C	Excess Oxygen	: 6.2 %
Moisture	: 10.1 %		

PARAMETER	UNIT	RESULT ^{1/}			STANDARD ^{2/}		REFERENCE METHOD
		6.2%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Sulfur Dioxide (SO ₂)	ppm	5.15	4.88	0.653	102	16.704	US EPA Method 6C
Oxide of Nitrogen (NO _x)	ppm	23.60	22.38	2.149	58	6.858	US EPA Method 7E

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
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. ^{1/} At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
4. ^{2/} The assigned value in EIA report (B.E.2558).
5. - Not available.



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 223097/MON1H/2200-H1/2/3/4
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 01/06/2023
RECEIVED DATE	: 06/06/2023	ANALYTICAL DATE	: 07/06/2023
REPORT DATE	: 17/06/2023	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2200-H1/2/3/4	SITE OPERATOR	: Mr. Rommadon Lemmad
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 100.00 m	Gas Velocity	: 7.2 m/s
Diameter	: 3.90 m	Flow rate ^{1/}	: 2,905 Ncu.m/min
Temperature	: 198.5 °C	Excess Oxygen	: 6.2 %
Moisture	: 10.1 %		

PARAMETER	UNIT	RESULT ^{1/}			STANDARD		REFERENCE METHOD
		6.2%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	0.95	0.90	0.083	-	-	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. ^{1/} 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
June 1, 2023

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	6.32	6.29	23.16	23.52	22.38
2	6.27	6.24	23.34	23.67	22.44
3	6.23	6.19	23.31	23.61	22.31
Average	6.27	6.24	23.27	23.60	22.38

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	6.32	6.29	4.39	4.34	4.13
2	6.27	6.24	5.09	5.04	4.78
3	6.23	6.19	6.11	6.06	5.73
Average	6.27	6.24	5.20	5.15	4.88

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Date: June 1, 2023
 Start time: 2:50 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EM
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Run # : 1
 Location : 2200 - H1/2/3/4
 Finish time : 3:10 PM
 Serial No.: 161212-14
 Serial No.: 435
 Serial No.: 058
 Test Operator : Kittipong T.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
2:50 PM	6.43	22.19	3.81
2:51 PM	6.31	22.79	4.19
2:52 PM	6.34	22.80	4.34
2:53 PM	6.36	22.86	4.53
2:54 PM	6.34	22.91	4.77
2:55 PM	6.34	23.05	4.91
2:56 PM	6.33	23.03	5.10
2:57 PM	6.35	23.00	5.25
2:58 PM	6.35	23.08	5.48
2:59 PM	6.39	23.32	3.56
3:00 PM	6.34	23.43	3.63
3:01 PM	6.30	23.32	3.82
3:02 PM	6.29	23.25	3.89
3:03 PM	6.29	23.33	4.01
3:04 PM	6.27	23.45	4.13
3:05 PM	6.23	23.48	4.25
3:06 PM	6.27	23.40	4.39
3:07 PM	6.33	23.33	4.51
3:08 PM	6.37	23.37	4.45
3:09 PM	6.29	23.46	4.57
3:10 PM	6.26	23.49	4.63
Average	6.32	23.16	4.39

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 2

Date: June 1, 2023
 Start time: 3:11 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EM
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2200 - H1/2/3/4
 Finish time : 3:31 PM
 Serial No.: 161212-14
 Serial No.: 435
 Serial No.: 058
 Test Operator : Kittipong T.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
3:11 PM	6.28	23.36	4.69
3:12 PM	6.31	23.16	5.29
3:13 PM	6.33	23.28	4.92
3:14 PM	6.31	23.29	4.81
3:15 PM	6.28	23.22	4.87
3:16 PM	6.26	23.28	4.82
3:17 PM	6.31	23.31	4.87
3:18 PM	6.39	23.47	4.99
3:19 PM	6.24	23.61	4.96
3:20 PM	6.27	23.58	5.00
3:21 PM	6.26	23.25	5.02
3:22 PM	6.27	23.27	5.06
3:23 PM	6.26	23.26	5.08
3:24 PM	6.21	23.10	5.13
3:25 PM	6.19	23.25	5.12
3:26 PM	6.20	23.46	6.10
3:27 PM	6.22	23.35	5.10
3:28 PM	6.38	23.31	5.23
3:29 PM	6.18	23.56	5.24
3:30 PM	6.20	23.48	5.28
3:31 PM	6.26	23.38	5.22
Average	6.27	23.34	5.09

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 3

Date: June 1, 2023
 Start time: 3:32 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EM
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2200 - H1/2/3/4
 Finish time : 3:52 PM
 Serial No.: 161212-14
 Serial No.: 435
 Serial No.: 058
 Test Operator : Kittipong T.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
3:32 PM	6.24	23.30	5.66
3:33 PM	6.21	23.22	5.65
3:34 PM	6.27	23.22	5.25
3:35 PM	6.14	23.28	0.28
3:36 PM	6.24	23.21	5.33
3:37 PM	6.33	23.20	6.99
3:38 PM	6.27	23.36	7.02
3:39 PM	6.21	23.44	7.00
3:40 PM	6.18	23.47	6.33
3:41 PM	6.25	23.29	6.68
3:42 PM	6.19	23.17	6.31
3:43 PM	6.13	23.20	5.96
3:44 PM	6.27	23.41	6.67
3:45 PM	6.23	23.43	6.67
3:46 PM	6.21	23.37	6.67
3:47 PM	6.30	23.35	6.67
3:48 PM	6.28	23.35	6.67
3:49 PM	6.18	23.32	6.63
3:50 PM	6.18	23.25	6.62
3:51 PM	6.28	23.32	6.66
3:52 PM	6.32	23.30	6.65
Average	6.23	23.31	6.11

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist



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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.	: 223097/MON1H/2320-H1
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 02/06/2023
RECEIVED DATE	: 08/06/2023	ANALYTICAL DATE	: 13-20/06/2023
REPORT DATE	: 26/06/2023	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2320-H1	SITE OPERATOR	: Mr. Song Hengchwankul
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 56.94 m	Gas Velocity	: 7.8 m/s
Diameter	: 2.10 m	Flow rate ^{1/}	: 810 Ncu.m/min
Temperature	: 247.9 °C	Excess Oxygen	: 7.5 %
Moisture	: 11.8 %		

PARAMETER	UNIT	RESULT ^{1/}			STANDARD ^{2/}		REFERENCE METHOD
		7.5%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Sulfur Dioxide (SO ₂)	ppm	4.40	4.55	0.156	117	3.382	US EPA Method 6C
Oxide of Nitrogen (NO _x)	ppm	30.68	31.73	0.779	69	1.440	US EPA Method 7E

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
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. ^{1/} At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
4. ^{2/} The assigned value in EIA report (B.E.2558).
5. - 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.	: 223097/MON1H/2320-H1
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 02/06/2023
RECEIVED DATE	: 06/06/2023	ANALYTICAL DATE	: 07/06/2023
REPORT DATE	: 17/06/2023	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2320-H1	SITE OPERATOR	: Mr. Pisanu Seenampeng
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 56.94 m	Gas Velocity	: 7.8 m/s
Diameter	: 2.10 m	Flow rate ^{1/}	: 810 Ncu.m/min
Temperature	: 247.9 °C	Excess Oxygen	: 7.5 %
Moisture	: 11.8 %		

PARAMETER	UNIT	RESULT ^{1/}			STANDARD		REFERENCE METHOD
		7.5%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	12.97	13.41	0.316	-	-	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. ^{1/} At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
4. - Not available.

The Monitoring Result of Emission Concentration
2320 - H1
PTT Global Chemical Public Company Limited
June 2, 2023

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	7.52	7.50	30.67	30.68	31.82
2	7.51	7.45	30.71	30.72	31.75
3	7.53	7.43	30.63	30.65	31.63
Average	7.52	7.46	30.67	30.68	31.73

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	7.52	7.50	4.34	4.31	4.47
2	7.51	7.45	4.47	4.44	4.59
3	7.53	7.43	4.49	4.45	4.59
Average	7.52	7.46	4.43	4.40	4.55

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Date: June 2, 2023
 Start time: 12:30 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EH
 SO₂ instrument Model: API 100 AH
 Fuel Type: Fuel Gas

Run #: 1
 Location: 2320 - H1
 Finish time: 12:50 PM
 Serial No.: 111117-2
 Serial No.: 433
 Serial No.: 060
 Test Operator: Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
12:30 PM	7.52	30.21	4.43
12:31 PM	7.53	30.35	4.37
12:32 PM	7.48	30.18	4.26
12:33 PM	7.44	30.35	4.15
12:34 PM	7.49	30.63	4.20
12:35 PM	7.53	30.77	4.19
12:36 PM	7.51	30.65	4.25
12:37 PM	7.56	30.71	4.26
12:38 PM	7.64	30.57	4.29
12:39 PM	7.59	30.46	4.35
12:40 PM	7.47	30.76	4.36
12:41 PM	7.44	30.66	4.32
12:42 PM	7.45	30.67	4.34
12:43 PM	7.55	30.86	4.39
12:44 PM	7.52	30.77	4.41
12:45 PM	7.45	30.92	4.39
12:46 PM	7.44	31.02	4.39
12:47 PM	7.52	30.93	4.42
12:48 PM	7.63	30.69	4.42
12:49 PM	7.62	30.81	4.46
12:50 PM	7.54	31.05	4.48
Average	7.52	30.67	4.34

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 2

Date: June 2, 2023
 Start time: 12:51 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EH
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2320 - H1
 Finish time : 1:11 PM
 Serial No.: 111117-2
 Serial No.: 433
 Serial No.: 060
 Test Operator : Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
12:51 PM	7.56	30.87	4.46
12:52 PM	7.51	30.73	4.43
12:53 PM	7.53	30.82	4.46
12:54 PM	7.50	30.79	4.47
12:55 PM	7.44	30.82	4.48
12:56 PM	7.44	30.68	4.52
12:57 PM	7.46	30.87	4.52
12:58 PM	7.61	30.78	4.49
12:59 PM	7.65	30.76	4.50
1:00 PM	7.59	30.68	4.49
1:01 PM	7.56	30.58	4.44
1:02 PM	7.51	30.47	4.42
1:03 PM	7.46	30.66	4.43
1:04 PM	7.46	30.87	4.46
1:05 PM	7.53	30.74	4.49
1:06 PM	7.52	30.45	4.43
1:07 PM	7.47	30.53	4.46
1:08 PM	7.52	30.61	4.49
1:09 PM	7.51	30.60	4.52
1:10 PM	7.45	30.71	4.49
1:11 PM	7.45	30.84	4.42
Average	7.51	30.71	4.47

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 3

Date: June 2, 2023
 Start time: 1:12 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EH
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2320 - H1
 Finish time : 1:32 PM
 Serial No.: 111117-2
 Serial No.: 433
 Serial No.: 060
 Test Operator : Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
1:12 PM	7.52	30.82	4.44
1:13 PM	7.56	30.74	4.45
1:14 PM	7.57	30.59	4.45
1:15 PM	7.54	30.48	4.48
1:16 PM	7.53	30.65	4.51
1:17 PM	7.48	30.72	4.51
1:18 PM	7.58	30.90	4.54
1:19 PM	7.55	30.95	4.53
1:20 PM	7.48	30.77	4.54
1:21 PM	7.51	30.52	4.50
1:22 PM	7.57	30.28	4.50
1:23 PM	7.58	30.34	4.51
1:24 PM	7.53	30.53	4.46
1:25 PM	7.48	30.81	4.44
1:26 PM	7.41	30.88	4.44
1:27 PM	7.43	30.74	4.46
1:28 PM	7.63	30.53	4.51
1:29 PM	7.70	30.42	4.51
1:30 PM	7.53	30.38	4.55
1:31 PM	7.48	30.50	4.53
1:32 PM	7.50	30.70	4.48
Average	7.53	30.63	4.49

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.	: 223097/MON1H/2380-H1/H2A/H2B
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 02/06/2023
RECEIVED DATE	: 08/06/2023	ANALYTICAL DATE	: 13-20/06/2023
REPORT DATE	: 26/06/2023	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	: 8.0	m/s
Diameter	: 3.01	m	Flow rate ^{1/}	: 1,975	Ncu.m/min
Temperature	: 185.8	°C	Excess Oxygen	: 5.2	%
Moisture	: 11.1	%			

PARAMETER	UNIT	RESULT ^{1/}			STANDARD ^{2/}		REFERENCE METHOD
		5.2%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Sulfur Dioxide (SO ₂)	ppm	5.29	4.68	0.456	117	10.335	US EPA Method 6C
Oxide of Nitrogen (NO _x)	ppm	21.95	19.45	1.359	65	4.102	US EPA Method 7E

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
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. ^{1/} At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
4. ^{2/} The assigned value in EIA report (B.E.2558).
5. - Not available.



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 223097/MON1H/2380-H1/H2A/H2B
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 02/06/2023
RECEIVED DATE	: 06/06/2023	ANALYTICAL DATE	: 07/06/2023
REPORT DATE	: 17/06/2023	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2380-H1/H2A/H2B	SITE OPERATOR	: Mr. Pisanu Seenampeng
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 63.36	m	Gas Velocity	: 8.0	m/s
Diameter	: 3.01	m	Flow rate ^{1/}	: 1,975	Ncu.m/min
Temperature	: 185.8	°C	Excess Oxygen	: 5.2	%
Moisture	: 11.1	%			

PARAMETER	UNIT	RESULT ^{1/}			STANDARD		REFERENCE METHOD
		5.2%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	1.31	1.16	0.078	-	-	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. ^{1/} 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
June 2, 2023

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	5.27	5.22	22.29	22.29	19.76
2	5.23	5.20	22.01	22.01	19.49
3	5.22	5.21	21.56	21.56	19.10
Average	5.24	5.21	21.95	21.95	19.45

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	5.27	5.22	5.26	5.24	4.65
2	5.23	5.20	5.42	5.40	4.78
3	5.22	5.21	5.24	5.22	4.62
Average	5.24	5.21	5.31	5.29	4.68

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 1
Date: June 2, 2023
Start time: 10:30 AM
O₂ instrument Model: AMI 70
NO_x instrument Model: TELEDYNE 200 EM
SO₂ instrument Model: API 100 AH
Fuel Type : Fuel Gas
Location : 2380-H1/H2A/H2B
Finish time : 10:50 AM
Serial No.: 111117-2
Serial No.: 433
Serial No.: 060
Test Operator : Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
10:30 AM	5.20	22.24	5.08
10:31 AM	5.34	22.10	5.07
10:32 AM	5.26	22.57	5.16
10:33 AM	5.31	22.91	5.26
10:34 AM	5.23	23.07	5.34
10:35 AM	5.30	22.89	5.42
10:36 AM	5.33	22.74	5.43
10:37 AM	5.27	22.46	5.39
10:38 AM	5.41	22.29	5.41
10:39 AM	5.22	22.06	5.32
10:40 AM	5.25	21.81	5.21
10:41 AM	5.30	21.69	5.15
10:42 AM	5.32	21.60	5.10
10:43 AM	5.17	21.84	5.16
10:44 AM	5.20	21.71	5.16
10:45 AM	5.15	22.02	5.21
10:46 AM	5.24	21.97	5.25
10:47 AM	5.24	22.11	5.27
10:48 AM	5.48	22.64	5.34
10:49 AM	5.27	22.93	5.41
10:50 AM	5.14	22.42	5.40
Average	5.27	22.29	5.26

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 2

Date: June 2, 2023
 Start time: 10:51 AM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EM
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2380-H1/H2A/H2B
 Finish time : 11:11 AM
 Serial No.: 111117-2
 Serial No.: 433
 Serial No.: 060
 Test Operator : Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
10:51 AM	5.25	21.92	5.34
10:52 AM	5.23	22.08	5.32
10:53 AM	5.19	21.63	5.38
10:54 AM	5.20	21.34	5.35
10:55 AM	5.22	21.36	5.30
10:56 AM	5.19	21.45	5.30
10:57 AM	5.18	21.66	5.27
10:58 AM	5.39	22.25	5.40
10:59 AM	5.18	21.94	5.42
11:00 AM	5.14	21.70	5.37
11:01 AM	5.29	21.97	5.37
11:02 AM	5.27	22.41	5.41
11:03 AM	5.27	22.57	5.42
11:04 AM	5.20	22.59	5.53
11:05 AM	5.22	22.26	5.56
11:06 AM	5.24	22.27	5.54
11:07 AM	5.23	22.33	5.51
11:08 AM	5.38	22.59	5.53
11:09 AM	5.26	22.56	5.58
11:10 AM	5.11	21.91	5.49
11:11 AM	5.24	21.40	5.41
Average	5.23	22.01	5.42

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 3

Date: June 2, 2023
 Start time: 11:12 AM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EM
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2380-H1/H2A/H2B
 Finish time : 11:32 AM
 Serial No.: 111117-2
 Serial No.: 433
 Serial No.: 060
 Test Operator : Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
11:12 AM	5.31	21.39	5.38
11:13 AM	5.20	21.40	5.33
11:14 AM	5.15	21.31	5.29
11:15 AM	5.20	21.31	5.21
11:16 AM	5.21	21.33	5.22
11:17 AM	5.19	21.47	5.26
11:18 AM	5.37	21.29	5.22
11:19 AM	5.28	21.69	5.16
11:20 AM	5.23	21.50	5.18
11:21 AM	5.20	21.42	5.16
11:22 AM	5.21	21.53	5.24
11:23 AM	5.13	21.59	5.22
11:24 AM	5.15	21.24	5.20
11:25 AM	5.12	21.23	5.04
11:26 AM	5.21	21.39	4.99
11:27 AM	5.18	21.38	5.14
11:28 AM	5.29	21.46	5.22
11:29 AM	5.29	22.19	5.34
11:30 AM	5.15	22.41	5.47
11:31 AM	5.25	22.01	5.42
11:32 AM	5.27	22.32	5.43
Average	5.22	21.56	5.24

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist



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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.	: 223097/MON1H/2440-H1
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 01/06/2023
RECEIVED DATE	: 08/06/2023	ANALYTICAL DATE	: 13-20/06/2023
REPORT DATE	: 26/06/2023	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2440-H1	SITE OPERATOR	: Mr. Song Hengchwankul
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 46.79	m	Gas Velocity	: 8.1	m/s
Diameter	: 2.32	m	Flow rate ^{1/}	: 1,161	Ncu.m/min
Temperature	: 197.3	°C	Excess Oxygen	: 4.3	%
Moisture	: 10.1	%			

PARAMETER	UNIT	RESULT ^{1/}			STANDARD ^{2/}		REFERENCE METHOD
		4.3%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Sulfur Dioxide (SO ₂)	ppm	5.33	4.46	0.270	211	11.226	US EPA Method 6C
Oxide of Nitrogen (NO _x)	ppm	24.04	20.15	0.875	67	2.579	US EPA Method 7E

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
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. ^{1/} At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
 4. ^{2/} The assigned value in EIA report (B.E.2558).
 5. - Not available.



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 223097/MON1H/2440-H1
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 01/06/2023
RECEIVED DATE	: 06/06/2023	ANALYTICAL DATE	: 07/06/2023
REPORT DATE	: 17/06/2023	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2440-H1	SITE OPERATOR	: Mr. Pisanu Seenampeng
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 46.79	m	Gas Velocity	: 8.1	m/s
Diameter	: 2.32	m	Flow rate ^{1/}	: 1,161	Ncu.m/min
Temperature	: 197.3	°C	Excess Oxygen	: 4.3	%
Moisture	: 10.1	%			

PARAMETER	UNIT	RESULT ^{1/}			STANDARD		REFERENCE METHOD
		4.3%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	1.64	1.37	0.057	-	-	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. ^{1/} 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
June 1, 2023

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	4.37	4.30	24.00	24.01	20.10
2	4.36	4.31	24.27	24.28	20.34
3	4.38	4.34	23.83	23.84	20.01
Average	4.37	4.32	24.03	24.04	20.15

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	4.37	4.30	5.22	5.20	4.35
2	4.36	4.31	5.39	5.37	4.50
3	4.38	4.34	5.43	5.41	4.54
Average	4.37	4.32	5.35	5.33	4.46

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Date: June 1, 2023
 Start time: 2:30 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EM
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Run # : 1
 Location : 2440 - H1
 Finish time : 2:50 PM
 Serial No.: 111117-2
 Serial No.: 433
 Serial No.: 060
 Test Operator : Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
2:30 PM	4.34	24.29	4.87
2:31 PM	4.37	24.35	5.26
2:32 PM	4.26	23.87	5.34
2:33 PM	4.32	23.29	5.37
2:34 PM	4.36	23.48	5.24
2:35 PM	4.31	23.76	5.42
2:36 PM	4.28	24.06	5.67
2:37 PM	4.35	24.21	5.24
2:38 PM	4.34	24.72	5.17
2:39 PM	4.43	24.63	5.42
2:40 PM	4.43	24.65	5.19
2:41 PM	4.46	24.82	4.98
2:42 PM	4.50	24.15	5.25
2:43 PM	4.44	23.08	4.68
2:44 PM	4.36	23.07	5.35
2:45 PM	4.40	23.51	5.27
2:46 PM	4.42	23.90	4.76
2:47 PM	4.52	24.18	5.48
2:48 PM	4.37	24.45	5.20
2:49 PM	4.28	24.03	5.26
2:50 PM	4.26	23.59	5.25
Average	4.37	24.00	5.22

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 2

Date: June 1, 2023
 Start time: 2:51 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EM
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2440 - H1
 Finish time : 3:11 PM
 Serial No.: 111117-2
 Serial No.: 433
 Serial No.: 060
 Test Operator : Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
2:51 PM	4.35	23.66	5.29
2:52 PM	4.33	23.93	5.36
2:53 PM	4.36	24.10	5.39
2:54 PM	4.32	24.15	5.39
2:55 PM	4.32	24.74	5.47
2:56 PM	4.42	24.66	5.55
2:57 PM	4.55	24.58	5.54
2:58 PM	4.45	24.90	5.57
2:59 PM	4.40	24.34	5.52
3:00 PM	4.37	23.98	5.48
3:01 PM	4.36	24.13	5.24
3:02 PM	4.35	23.87	5.32
3:03 PM	4.29	24.37	5.37
3:04 PM	4.22	24.43	5.33
3:05 PM	4.27	23.79	5.36
3:06 PM	4.45	23.74	5.40
3:07 PM	4.40	24.59	5.38
3:08 PM	4.30	24.94	5.35
3:09 PM	4.31	24.68	5.32
3:10 PM	4.40	24.11	5.33
3:11 PM	4.42	24.08	5.31
Average	4.36	24.27	5.39

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 3

Date: June 1, 2023
 Start time: 3:12 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EM
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2440 - H1
 Finish time : 3:32 PM
 Serial No.: 111117-2
 Serial No.: 433
 Serial No.: 060
 Test Operator : Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
3:12 PM	4.37	24.21	5.34
3:13 PM	4.41	24.28	5.34
3:14 PM	4.36	24.32	5.39
3:15 PM	4.39	23.88	5.43
3:16 PM	4.53	24.23	5.44
3:17 PM	4.42	24.19	5.47
3:18 PM	4.38	23.88	5.39
3:19 PM	4.37	23.81	5.38
3:20 PM	4.41	23.05	5.47
3:21 PM	4.45	23.34	5.45
3:22 PM	4.40	23.27	5.39
3:23 PM	4.33	23.74	5.41
3:24 PM	4.30	23.94	5.42
3:25 PM	4.30	23.61	5.41
3:26 PM	4.43	23.92	5.51
3:27 PM	4.36	24.05	5.60
3:28 PM	4.33	23.67	5.53
3:29 PM	4.42	23.76	5.45
3:30 PM	4.34	23.94	5.41
3:31 PM	4.37	23.72	5.39
3:32 PM	4.35	23.53	5.34
Average	4.38	23.83	5.43

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 223097/MON1H/2440-H2A
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 01/06/2023
RECEIVED DATE	: 08/06/2023	ANALYTICAL DATE	: 13-20/06/2023
REPORT DATE	: 26/06/2023	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2440-H2A	SITE OPERATOR	: Mr. Song Hengchwankul
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 60.20 m	Gas Velocity	: 9.6 m/s
Diameter	: 3.11 m	Flow rate ^{1/}	: 2,560 Ncu.m/min
Temperature	: 180.8 °C	Excess Oxygen	: 4.1 %
Moisture	: 10.7 %		

PARAMETER	UNIT	RESULT ^{1/}			STANDARD ^{2/}		REFERENCE METHOD
		4.1%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Sulfur Dioxide (SO ₂)	ppm	4.44	3.66	0.496	223	19.767	US EPA Method 6C
Oxide of Nitrogen (NO _x)	ppm	26.63	21.98	2.137	72	4.586	US EPA Method 7E

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
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. ^{1/} At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
4. ^{2/} The assigned value in EIA report (B.E.2558).



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 223097/MON1H/2440-H2A
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 01/06/2023
RECEIVED DATE	: 06/06/2023	ANALYTICAL DATE	: 07/06/2023
REPORT DATE	: 17/06/2023	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2440-H2A	SITE OPERATOR	: Mr. Pisanu Seenampeng
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 60.20 m	Gas Velocity	: 9.6 m/s
Diameter	: 3.11 m	Flow rate ^{1/}	: 2,560 Ncu.m/min
Temperature	: 180.8 °C	Excess Oxygen	: 4.1 %
Moisture	: 10.7 %		

PARAMETER	UNIT	RESULT ^{1/}			STANDARD		REFERENCE METHOD
		4.1%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	1.98	1.63	0.152	-	-	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. ^{1/} 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
June 1, 2023

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	4.06	3.98	26.39	26.40	21.69
2	4.12	4.07	26.60	26.61	21.98
3	4.15	4.13	26.86	26.87	22.27
Average	4.11	4.06	26.61	26.63	21.98

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	4.06	3.98	4.00	3.95	3.24
2	4.12	4.07	4.65	4.61	3.81
3	4.15	4.13	4.79	4.75	3.94
Average	4.11	4.06	4.48	4.44	3.66

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Date: June 1, 2023
 Start time: 12:30 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: API 200 AH
 SO₂ instrument Model: TELEDYNE 100 EH
 Fuel Type: Fuel Gas

Run #: 1
 Location: 2440 - H2A
 Finish time: 12:50 PM
 Serial No.: 111117-2
 Serial No.: 314
 Serial No.: 186
 Test Operator: Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
12:30 PM	4.15	26.66	4.91
12:31 PM	4.12	26.71	4.97
12:32 PM	4.26	26.58	2.19
12:33 PM	4.12	26.52	2.38
12:34 PM	4.16	26.32	2.55
12:35 PM	4.11	26.10	2.80
12:36 PM	4.01	26.18	3.18
12:37 PM	3.96	26.27	3.61
12:38 PM	3.94	26.15	3.97
12:39 PM	3.97	26.04	4.19
12:40 PM	4.03	26.05	4.37
12:41 PM	4.25	26.58	4.43
12:42 PM	4.14	27.04	4.44
12:43 PM	4.06	26.60	4.37
12:44 PM	4.12	26.16	4.40
12:45 PM	4.09	26.42	4.43
12:46 PM	3.98	26.53	4.50
12:47 PM	3.96	26.29	4.52
12:48 PM	3.94	26.25	4.53
12:49 PM	3.93	26.36	4.57
12:50 PM	4.02	26.31	4.63
Average	4.06	26.39	4.00

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 2

Date: June 1, 2023
 Start time: 12:51 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: API 200 AH
 SO₂ instrument Model: TELEDYNE 100 EH
 Fuel Type : Fuel Gas

Location : 2440 - H2A
 Finish time : 1:11 PM
 Serial No.: 111117-2
 Serial No.: 314
 Serial No.: 186
 Test Operator : Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
12:51 PM	4.19	26.61	4.66
12:52 PM	4.15	26.99	4.62
12:53 PM	4.10	26.96	4.53
12:54 PM	4.13	26.70	4.53
12:55 PM	4.11	26.63	4.55
12:56 PM	3.97	26.71	4.61
12:57 PM	4.00	26.39	4.66
12:58 PM	3.94	26.06	4.66
12:59 PM	4.00	25.84	4.62
1:00 PM	4.17	26.15	4.60
1:01 PM	4.17	26.68	4.61
1:02 PM	4.17	26.61	4.60
1:03 PM	4.21	26.47	4.58
1:04 PM	4.11	26.51	4.65
1:05 PM	4.12	26.50	4.69
1:06 PM	4.12	26.48	4.81
1:07 PM	4.13	26.40	4.75
1:08 PM	4.11	26.70	4.73
1:09 PM	4.18	26.76	4.74
1:10 PM	4.31	27.02	4.76
1:11 PM	4.19	27.38	4.73
Average	4.12	26.60	4.65

Signature 
 (Miss Katesarin Vorradetwittaya)
 Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 3

Date: June 1, 2023
 Start time: 1:12 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: API 200 AH
 SO₂ instrument Model: TELEDYNE 100 EH
 Fuel Type : Fuel Gas

Location : 2440 - H2A
 Finish time : 1:32 PM
 Serial No.: 111117-2
 Serial No.: 314
 Serial No.: 186
 Test Operator : Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
1:12 PM	4.17	27.18	4.71
1:13 PM	4.13	26.79	4.71
1:14 PM	4.13	26.79	4.73
1:15 PM	4.09	26.66	4.73
1:16 PM	4.12	26.58	4.74
1:17 PM	4.05	26.77	4.79
1:18 PM	4.07	26.69	4.76
1:19 PM	4.22	26.86	4.75
1:20 PM	4.33	27.29	4.78
1:21 PM	4.23	27.26	4.79
1:22 PM	4.14	26.94	4.75
1:23 PM	4.23	26.90	4.80
1:24 PM	4.15	27.13	4.76
1:25 PM	4.04	26.97	4.80
1:26 PM	4.08	26.80	4.87
1:27 PM	4.09	26.66	4.85
1:28 PM	4.08	26.67	4.87
1:29 PM	4.27	26.60	4.85
1:30 PM	4.24	26.97	4.83
1:31 PM	4.19	26.87	4.87
1:32 PM	4.17	26.62	4.87
Average	4.15	26.86	4.79

Signature 
 (Miss Katesarin Vorradetwittaya)
 Environmental Scientist



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 223097/MON1H/2440-H2B
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 01/06/2023
RECEIVED DATE	: 08/06/2023	ANALYTICAL DATE	: 13-20/06/2023
REPORT DATE	: 26/06/2023	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	: 7.8	m/s
Diameter	: 3.11	m	Flow rate ^{1/}	: 2,087	Ncu.m/min
Temperature	: 180.3	°C	Excess Oxygen	: 4.3	%
Moisture	: 10.9	%			

PARAMETER	UNIT	RESULT ^{1/}			STANDARD ^{2/}		REFERENCE METHOD
		4.3%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Sulfur Dioxide (SO ₂)	ppm	3.63	3.04	0.331	223	19.767	US EPA Method 6C
Oxide of Nitrogen (NO _x)	ppm	24.88	20.82	1.628	72	4.586	US EPA Method 7E


(Miss Katesarin Vorradetwittaya)
Environmental Scientist


(Miss Preeda Somjai)
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. ^{1/} At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
4. ^{2/} The assigned value in EIA report (B.E.2558).



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STACK EMISSION ANALYSIS REPORT

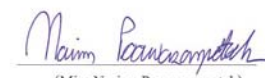
CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 223097/MON1H/2440-H2B
	Branch 5 (Aromatics 2 Plant)		
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 01/06/2023
RECEIVED DATE	: 06/06/2023	ANALYTICAL DATE	: 07/06/2023
REPORT DATE	: 17/06/2023	SAMPLE CONDITION	: Normal
STACK LOCATION	: 2440-H2B	SITE OPERATOR	: Mr. Pisanu Seenampeng
SOURCE DESCRIPTION	: Combustion	FUEL TYPE	: Fuel gas

STACK DESCRIPTION

Height	: 60.20	m	Gas Velocity	: 7.8	m/s
Diameter	: 3.11	m	Flow rate ^{1/}	: 2,087	Ncu.m/min
Temperature	: 180.3	°C	Excess Oxygen	: 4.3	%
Moisture	: 10.9	%			

PARAMETER	UNIT	RESULT ^{1/}			STANDARD		REFERENCE METHOD
		4.3%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	1.50	1.26	0.094	-	-	US EPA Method 25A


(Miss Sudaporn Soonthorn)
Analyst


(Miss Narisa Poowasanpetch)
Technical Management Team

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3. ^{1/} 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
June 1, 2023

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	4.35	4.29	24.95	24.97	20.90
2	4.31	4.24	24.76	24.77	20.67
3	4.40	4.33	24.90	24.91	20.90
Average	4.35	4.29	24.87	24.88	20.82

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	4.35	4.29	3.64	3.59	3.00
2	4.31	4.24	3.63	3.59	3.00
3	4.40	4.33	3.75	3.72	3.12
Average	4.35	4.29	3.68	3.63	3.04

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 1
 Date: June 1, 2023
 Start time: 11:20 AM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EM
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2440 - H2B
 Finish time : 11:40 AM
 Serial No.: 111117-2
 Serial No.: 433
 Serial No.: 060
 Test Operator : Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
11:20 AM	4.32	24.67	3.26
11:21 AM	4.32	24.74	3.76
11:22 AM	4.36	24.74	3.27
11:23 AM	4.42	24.57	3.65
11:24 AM	4.42	24.58	3.48
11:25 AM	4.36	25.03	3.57
11:26 AM	4.31	24.73	4.01
11:27 AM	4.31	24.68	3.54
11:28 AM	4.31	25.13	3.76
11:29 AM	4.32	24.68	3.92
11:30 AM	4.32	24.78	4.13
11:31 AM	4.36	25.72	4.22
11:32 AM	4.37	25.45	3.21
11:33 AM	4.42	24.97	3.54
11:34 AM	4.45	25.23	3.54
11:35 AM	4.45	25.20	3.19
11:36 AM	4.48	25.08	3.65
11:37 AM	4.41	25.02	3.65
11:38 AM	4.31	24.90	4.28
11:39 AM	4.23	24.96	3.16
11:40 AM	4.17	25.07	3.75
Average	4.35	24.95	3.64

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 2

Date: June 1, 2023
 Start time: 11:41 AM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EM
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2440 - H2B
 Finish time : 12:01 PM
 Serial No.: 111117-2
 Serial No.: 433
 Serial No.: 060
 Test Operator : Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
11:41 AM	4.18	24.76	4.34
11:42 AM	4.27	24.52	3.72
11:43 AM	4.42	24.78	3.82
11:44 AM	4.38	25.23	3.54
11:45 AM	4.32	25.09	3.29
11:46 AM	4.37	24.69	3.65
11:47 AM	4.38	25.04	3.65
11:48 AM	4.24	25.00	3.21
11:49 AM	4.31	24.78	3.45
11:50 AM	4.35	24.55	3.82
11:51 AM	4.32	24.76	4.01
11:52 AM	4.42	24.55	3.65
11:53 AM	4.38	24.75	3.73
11:54 AM	4.28	24.89	3.83
11:55 AM	4.25	24.44	3.26
11:56 AM	4.26	24.52	3.34
11:57 AM	4.31	24.55	3.73
11:58 AM	4.21	24.67	3.65
11:59 AM	4.20	24.84	3.43
12:00 PM	4.27	24.70	3.52
12:01 PM	4.33	24.82	3.61
Average	4.31	24.76	3.63

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 3

Date: June 1, 2023
 Start time: 12:02 PM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: TELEDYNE 200 EM
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2440 - H2B
 Finish time : 12:22 PM
 Serial No.: 111117-2
 Serial No.: 433
 Serial No.: 060
 Test Operator : Song H.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
12:02 PM	4.48	24.79	3.62
12:03 PM	4.42	25.00	3.65
12:04 PM	4.35	24.73	3.66
12:05 PM	4.36	24.64	3.64
12:06 PM	4.46	24.63	3.62
12:07 PM	4.45	25.05	3.65
12:08 PM	4.42	25.17	3.71
12:09 PM	4.49	24.84	3.70
12:10 PM	4.41	24.99	3.76
12:11 PM	4.44	24.86	3.79
12:12 PM	4.56	25.17	3.84
12:13 PM	4.45	24.96	3.81
12:14 PM	4.35	25.09	3.83
12:15 PM	4.35	24.88	3.87
12:16 PM	4.39	24.81	3.89
12:17 PM	4.32	24.90	4.01
12:18 PM	4.32	24.86	4.03
12:19 PM	4.31	24.78	3.75
12:20 PM	4.31	24.71	3.94
12:21 PM	4.32	24.84	3.47
12:22 PM	4.41	25.15	3.56
Average	4.40	24.90	3.75

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. : 223097/MON1H/2440-H20
Branch 5 (Aromatics 2 Plant)
SAMPLING BY : SECOT Co., Ltd. SAMPLING DATE : 02/06/2023
RECEIVED DATE : 08/06/2023 ANALYTICAL DATE : 13-20/06/2023
REPORT DATE : 26/06/2023 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 : 3.5 m/s
Diameter : 1.27 m Flow rate ^{1/} : 146 Ncu.m/min
Temperature : 204.7 °C Excess Oxygen : 6.2 %
Moisture : 12.1 %

PARAMETER	UNIT	RESULT ^{1/}			STANDARD ^{2/}		REFERENCE METHOD
		6.2%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Sulfur Dioxide (SO ₂)	ppm	6.46	6.12	0.041	97	0.963	US EPA Method 6C
Oxide of Nitrogen (NO _x)	ppm	14.56	13.78	0.067	56	0.397	US EPA Method 7E


(Miss Katesarin Vorradetwittaya)
Environmental Scientist


(Miss Preeda Somjai)
Technical Management Team

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3. ^{1/} At standard pressure of 760 mmHg and temperature of 25 °C, dry basis.
4. ^{2/} The assigned value in EIA report (B.E.2558).



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STACK EMISSION ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REFERENCE NO. : 223097/MON1H/2440-H20
Branch 5 (Aromatics 2 Plant)
SAMPLING BY : SECOT Co., Ltd. SAMPLING DATE : 02/06/2023
RECEIVED DATE : 06/06/2023 ANALYTICAL DATE : 07/06/2023
REPORT DATE : 17/06/2023 SAMPLE CONDITION : Normal
STACK LOCATION : 2440-H20 SITE OPERATOR : Mr. Rommadon Lemmad
SOURCE DESCRIPTION : Combustion FUEL TYPE : Fuel gas

STACK DESCRIPTION

Height : 32.06 m Gas Velocity : 3.5 m/s
Diameter : 1.27 m Flow rate ^{1/} : 146 Ncu.m/min
Temperature : 204.7 °C Excess Oxygen : 6.2 %
Moisture : 12.1 %

PARAMETER	UNIT	RESULT ^{1/}			STANDARD		REFERENCE METHOD
		6.2%O ₂	7%O ₂	g/s	7%O ₂	g/s	
Total Volatile Organic Compounds (TVOCs)	ppm	1.13	1.07	0.005	-	-	US EPA Method 25A


(Miss Sudaporn Soonthorn)
Analyst


(Miss Narisa Poowasanpetch)
Technical Management Team

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3. ^{1/} 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
June 2, 2023

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	6.24	6.23	14.47	14.46	13.70
2	6.24	6.22	14.56	14.55	13.78
3	6.22	6.20	14.68	14.67	13.87
Average	6.23	6.22	14.57	14.56	13.78

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	6.24	6.23	6.07	5.99	5.68
2	6.24	6.22	6.72	6.65	6.30
3	6.22	6.20	6.81	6.74	6.37
Average	6.23	6.22	6.53	6.46	6.12

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Date: June 2, 2023
 Start time: 10:30 AM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: API 200 AH
 SO₂ instrument Model: API 100 AH
 Fuel Type: Fuel Gas

Run #: 1
 Location: 2440 - H2O
 Finish time: 10:50 AM
 Serial No.: 121121-10
 Serial No.: 441
 Serial No.: 132
 Test Operator: Kittipong T.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
10:30 AM	6.24	14.33	5.40
10:31 AM	6.24	14.37	5.63
10:32 AM	6.26	14.29	5.82
10:33 AM	6.23	14.39	5.88
10:34 AM	6.22	14.29	5.74
10:35 AM	6.23	14.34	5.80
10:36 AM	6.25	14.40	5.85
10:37 AM	6.26	14.60	5.93
10:38 AM	6.27	14.51	6.10
10:39 AM	6.27	14.57	6.17
10:40 AM	6.29	14.51	6.13
10:41 AM	6.23	14.58	6.10
10:42 AM	6.23	14.62	6.04
10:43 AM	6.20	14.51	6.27
10:44 AM	6.19	14.51	6.35
10:45 AM	6.20	14.51	6.40
10:46 AM	6.25	14.60	6.29
10:47 AM	6.27	14.55	6.36
10:48 AM	6.27	14.45	6.37
10:49 AM	6.26	14.51	6.38
10:50 AM	6.27	14.43	6.41
Average	6.24	14.47	6.07

Signature 

(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 2

Date: June 2, 2023
 Start time: 10:51 AM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: API 200 AH
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2440 - H20
 Finish time : 11:11 AM
 Serial No.: 121121-10
 Serial No.: 441
 Serial No.: 132
 Test Operator : Kittipong T.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
10:51 AM	6.23	14.46	6.44
10:52 AM	6.23	14.52	6.43
10:53 AM	6.22	14.42	6.57
10:54 AM	6.20	14.51	6.52
10:55 AM	6.20	14.49	6.57
10:56 AM	6.24	14.55	6.61
10:57 AM	6.26	14.57	6.41
10:58 AM	6.27	14.53	6.55
10:59 AM	6.26	14.53	6.67
11:00 AM	6.27	14.62	6.72
11:01 AM	6.27	14.62	6.84
11:02 AM	6.27	14.59	6.69
11:03 AM	6.27	14.54	6.59
11:04 AM	6.27	14.54	6.70
11:05 AM	6.24	14.54	6.77
11:06 AM	6.27	14.55	7.06
11:07 AM	6.27	14.63	7.05
11:08 AM	6.22	14.66	6.95
11:09 AM	6.22	14.66	6.93
11:10 AM	6.19	14.63	6.98
11:11 AM	6.19	14.65	7.01
Average	6.24	14.56	6.72

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist

PTT Global Chemical Public Company Limited
EMISSION TEST RESULT

Run # : 3

Date: June 2, 2023
 Start time: 11:12 AM
 O₂ instrument Model: AMI 70
 NO_x instrument Model: API 200 AH
 SO₂ instrument Model: API 100 AH
 Fuel Type : Fuel Gas

Location : 2440 - H20
 Finish time : 11:32 AM
 Serial No.: 121121-10
 Serial No.: 441
 Serial No.: 132
 Test Operator : Kittipong T.

Time, min	O ₂ (%)	NO _x (ppm)	SO ₂ (ppm)
11:12 AM	6.22	14.66	7.05
11:13 AM	6.18	14.65	7.05
11:14 AM	6.19	14.64	6.95
11:15 AM	6.17	14.67	6.96
11:16 AM	6.20	14.67	6.96
11:17 AM	6.26	14.67	6.92
11:18 AM	6.24	14.67	6.94
11:19 AM	6.23	14.67	6.95
11:20 AM	6.25	14.67	6.87
11:21 AM	6.25	14.70	6.76
11:22 AM	6.23	14.73	6.71
11:23 AM	6.22	14.68	6.60
11:24 AM	6.20	14.62	6.56
11:25 AM	6.17	14.66	6.72
11:26 AM	6.19	14.76	6.79
11:27 AM	6.23	14.68	6.77
11:28 AM	6.24	14.68	6.81
11:29 AM	6.24	14.68	6.64
11:30 AM	6.24	14.68	6.64
11:31 AM	6.22	14.68	6.70
11:32 AM	6.22	14.68	6.70
Average	6.22	14.68	6.81

Signature



(Miss Katesarin Vorradetwittaya)

Environmental Scientist



บริษัท ซีคอต จำกัด
SECOT CO., LTD.

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STACK EMISSION ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REFERENCE NO. : 223097/MON1H/VRU (Outlet)
Branch 5 (Aromatics 2 Plant)
SAMPLING BY : SECOT Co., Ltd. SAMPLING DATE : 06/06/2023
RECEIVED DATE : 07/06/2023 ANALYTICAL DATE : 09-11/06/2023
REPORT DATE : 17/06/2023 SAMPLE CONDITION : Normal
STACK LOCATION : VRU (Outlet) SITE OPERATOR : Mr. Pisanu Seenampeng
SOURCE DESCRIPTION : Process FUEL TYPE : Fuel gas

PARAMETER	UNIT	ND Non detectable	RESULT	STANDARD	REFERENCE METHOD
Benzene	ppm	0.06	6.92	-	US EPA Method 18
Toluene	ppm	0.05	0.32	-	US EPA Method 18
m,p-Xylene	ppm	0.05	ND	-	US EPA Method 18
o-Xylene	ppm	0.05	ND	-	US EPA Method 18

Sudaporn Soonthorn
(Miss Sudaporn Soonthorn)
Analyst

Maim 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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STACK EMISSION ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REFERENCE NO. : 223097/MON1H/VRU (Outlet)
Branch 5 (Aromatics 2 Plant)
SAMPLING BY : SECOT Co., Ltd. SAMPLING DATE : 06/06/2023
RECEIVED DATE : 07/06/2023 ANALYTICAL DATE : 07/06/2023
REPORT DATE : 17/06/2023 SAMPLE CONDITION : Normal
STACK LOCATION : VRU (Outlet) SITE OPERATOR : Mr. Pisanu Seenampeng
SOURCE DESCRIPTION : Process FUEL TYPE : Fuel gas

PARAMETER	UNIT	RESULT	STANDARD	REFERENCE METHOD
Total Volatile Organic Compounds (TVOCs)	ppm	4,661	-	US EPA Method 25A

Sudaporn Soonthorn
(Miss Sudaporn Soonthorn)
Analyst

Maim 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
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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0007/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 14.06
SAMPLING DATE	: 04/01/2023	ANALYTICAL DATE	: 05-12/01/2023
RECEIVED DATE	: 05/01/2023	SITE OPERATOR	: Mr. Aniwat Pimwanna
REPORT DATE	: 12/01/2023	FILE CODE	: 223097_WW_January
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION Bio-Transfer Tank	STANDARD
Temperature	°C	2550 B	< 0.5	33.2	-
pH	-	4500-H B	< 0.10	6.43	-
Total Dissolved Solids	mg/l	2540 C	< 50	342	-
Total Suspended Solids	mg/l	2540 D	< 5	36	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	1.9	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	3.2	-
BOD ₅	mg/l	5210 B	< 1.0	178	-
COD	mg/l	5220 C	< 15.00	309	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	86.50	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0059	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED., 2017 (AWWA, APHA, WEF)

Khemchuda Insorn

(Miss Khemchuda Insorn)

Analyst

REG. NO. 7-239-ก-5976

Araya Tipparuk

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-ก-5863

- Remark :
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 3. *Total Organic Carbon analysis was performed by Faculty of Public Health, Mahidol University.
 4. - Not available.



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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0007/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 14.24
SAMPLING DATE	: 04/01/2023	ANALYTICAL DATE	: 05-12/01/2023
RECEIVED DATE	: 05/01/2023	SITE OPERATOR	: Mr. Aniwat Pimwanna
REPORT DATE	: 12/01/2023	FILE CODE	: 223097_WW_January
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION Bio-DAF หลังน้ำตก Clarifier Tank	STANDARD
Temperature	°C	2550 B	< 0.5	30.0	-
pH	-	4500-H B	< 0.10	7.13	-
Total Dissolved Solids	mg/l	2540 C	< 50	346	-
Total Suspended Solids	mg/l	2540 D	< 5	< 5	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	4.8	-
BOD ₅	mg/l	5210 B	< 1.0	< 1.0	-
COD	mg/l	5220 C	< 15.00	16.03	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	5.77	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	ND	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED., 2017 (AWWA, APHA, WEF)

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(Miss Khemchuda Insorn)

Analyst

REG. NO. 7-239-ก-5976

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0007/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 14.40
SAMPLING DATE : 04/01/2023 ANALYTICAL DATE : 05-12/01/2023
RECEIVED DATE : 05/01/2023 SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 12/01/2023 FILE CODE : 223097_WW_January
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION Final Effluent Basin	STANDARD ^{1/}
Temperature	°C	2550 B	< 0.5	30.8	≤ 40
pH	-	4500-H ⁺ B	< 0.10	7.53	5.5-9.0
Total Dissolved Solids	mg/l	2540 C	< 50	494	≤ 3,000
Total Suspended Solids	mg/l	2540 D	< 5	< 5	≤ 50
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	≤ 5
BOD ₅	mg/l	5210 B	< 1.0	1.1	≤ 20
Dissolved Oxygen	mg/l	4500-O G	< 0.1	6.1	-
COD	mg/l	5220 C	< 15.00	20.04	≤ 120
Total Organic Carbon*	mg/l	5310 B	< 0.01	7.10	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	ND	≤ 0.005

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED., 2017 (AWWA, APHA, WEF)

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3. ^{1/} 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 available.



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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0007/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 14.48
SAMPLING DATE : 04/01/2023 ANALYTICAL DATE : 10/01/2023
RECEIVED DATE : 05/01/2023 SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 12/01/2023 FILE CODE : 223097_WW_January
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	ND	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED., 2017 (AWWA, APHA, WEF)

Krisana Chanthoom

(Miss Krisana Chanthoom)

Analyst

REG. NO. 7-239-ก-7802

Mrs. Araya Tipparuk

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Technical Management Team

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3. - Not available.



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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0007/66
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab
SAMPLING BY : SECOT Co., Ltd. **SAMPLING TIME** : 14.18
SAMPLING DATE : 04/01/2023 **ANALYTICAL DATE** : 07/01/2023
RECEIVED DATE : 05/01/2023 **SITE OPERATOR** : Mr. Aniwat Pimwanna
REPORT DATE : 12/01/2023 **FILE CODE** : 223097_WW_January
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION ระบบหล่อเย็นก่อนเข้า Final Effluent Basin	STANDARD
Zinc (Zn)	mg/l	3120 B	< 0.003	0.96	≤ 5.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED. 2017 (AWWA, APHA, WEF)

(Miss Krisana Chanthoom)

Analyst

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(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 2-239-ก-5863

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0127/66
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab
SAMPLING BY : SECOT Co., Ltd. **SAMPLING TIME** : 14.07
SAMPLING DATE : 01/02/2023 **ANALYTICAL DATE** : 02-09/02/2023
RECEIVED DATE : 02/02/2023 **SITE OPERATOR** : Mr. Aniwat Pimwanna
REPORT DATE : 10/02/2023 **FILE CODE** : 223097_WW_February
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION Bio-Transfer Tank	STANDARD
Temperature	°C	2550 B	< 0.5	32.5	-
pH	-	4500-H ⁺ B	< 0.10	6.81	-
Total Dissolved Solids	mg/l	2540 C	< 50	264	-
Total Suspended Solids	mg/l	2540 D	< 5	12	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	2.5	-
BOD ₅	mg/l	5210 B	< 1.0	170	-
COD	mg/l	5220 C	< 15.00	254	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	59.69	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	ND	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED. 2017 (AWWA, APHA, WEF)

(Miss Khemchuda Insom)

Analyst

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd.
(Branch 5 : Aromatics 2 Plant)
REQUEST SERVICE No. : 0127/66
SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd.
SAMPLING TIME : 14.26
SAMPLING DATE : 01/02/2023
ANALYTICAL DATE : 02-09/02/2023
RECEIVED DATE : 02/02/2023
SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 10/02/2023
FILE CODE : 223097_WW_February
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				Bio-DAF ห้องน้ำ Clarifier Tank	
Temperature	°C	2550 B	< 0.5	29.4	-
pH	-	4500-H ⁺ B	< 0.10	6.92	-
Total Dissolved Solids	mg/l	2540 C	< 50	194	-
Total Suspended Solids	mg/l	2540 D	< 5	< 5	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	4.9	-
BOD ₅	mg/l	5210 B	< 1.0	1.4	-
COD	mg/l	5220 C	< 15.00	< 15.00	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	4.30	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	ND	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)

Khemchuda Insorn

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd.
(Branch 5 : Aromatics 2 Plant)
REQUEST SERVICE No. : 0127/66
SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd.
SAMPLING TIME : 14.39
SAMPLING DATE : 01/02/2023
ANALYTICAL DATE : 02-09/02/2023
RECEIVED DATE : 02/02/2023
SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 10/02/2023
FILE CODE : 223097_WW_February
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD ^{1/}
				Final Effluent Basin	
Temperature	°C	2550 B	< 0.5	29.5	≤ 40
pH	-	4500-H ⁺ B	< 0.10	7.46	5.5-9.0
Total Dissolved Solids	mg/l	2540 C	< 50	436	≤ 3,000
Total Suspended Solids	mg/l	2540 D	< 5	< 5	≤ 50
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	≤ 5
BOD ₅	mg/l	5210 B	< 1.0	< 1.0	≤ 20
Dissolved Oxygen	mg/l	4500-O G	< 0.1	6.1	-
COD	mg/l	5220 C	< 15.00	< 15.00	≤ 120
Total Organic Carbon*	mg/l	5310 B	< 0.01	6.32	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	ND	≤ 0.005

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)

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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. : 0127/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 14.49
SAMPLING DATE : 01/02/2023 ANALYTICAL DATE : 03/07/02/2023
RECEIVED DATE : 02/02/2023 SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 10/02/2023 FILE CODE : 223097_WW_February
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION ระบบท่อเชื่อมก่อนเข้า Final Effluent Basin	STANDARD
Zinc (Zn)	mg/l	3120 B	< 0.003	0.92	≤ 5.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED. 2017 (AWWA, APHA, WEF)

(Miss Krisana Chanthoom)

Analyst

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(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-ก-5863

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0127/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 14.44
SAMPLING DATE : 01/02/2023 ANALYTICAL DATE : 03/02/2023
RECEIVED DATE : 02/02/2023 SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 10/02/2023 FILE CODE : 223097_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	ND	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED. 2017 (AWWA, APHA, WEF)

(Miss Krisana Chanthoom)

Analyst

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. **REQUEST SERVICE No.** : 0317/66
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab
SAMPLING BY : SECOT Co., Ltd. **SAMPLING TIME** : 13.45
SAMPLING DATE : 01/03/2023 **ANALYTICAL DATE** : 02-09/03/2023
RECEIVED DATE : 02/03/2023 **SITE OPERATOR** : Mr. Song Hengchwankul
REPORT DATE : 10/03/2023 **FILE CODE** : 223097_WW_March
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				Bio-Transfer Tank	
Temperature	°C	2550 B	< 0.5	34.5	-
pH	-	4500-H ⁺ B	< 0.10	7.04	-
Total Dissolved Solids	mg/l	2540 C	< 50	362	-
Total Suspended Solids	mg/l	2540 D	< 5	30	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	2.8	-
BOD ₅	mg/l	5210 B	< 1.0	157	-
COD	mg/l	5220 C	< 15.00	300	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	91.87	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0020	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA.APHA.WEF)

Khemchuda Insorn

(Miss Khemchuda Insorn)

Analyst

REG. NO. 7-239-ก-5976

Araya Tipparuk

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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.** : 0317/66
(Branch 5 : Aromatics 2 Plant) **SAMPLING METHOD** : Grab
SAMPLING BY : SECOT Co., Ltd. **SAMPLING TIME** : 14.01
SAMPLING DATE : 01/03/2023 **ANALYTICAL DATE** : 02-09/03/2023
RECEIVED DATE : 02/03/2023 **SITE OPERATOR** : Mr. Song Hengchwankul
REPORT DATE : 10/03/2023 **FILE CODE** : 223097_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	32.2	-
pH	-	4500-H ⁺ B	< 0.10	7.16	-
Total Dissolved Solids	mg/l	2540 C	< 50	338	-
Total Suspended Solids	mg/l	2540 D	< 5	< 5	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	4.6	-
BOD ₅	mg/l	5210 B	< 1.0	1.5	-
COD	mg/l	5220 C	< 15.00	27.17	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	8.73	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0010	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA.APHA.WEF)

Khemchuda Insorn

(Miss Khemchuda Insorn)

Analyst

REG. NO. 7-239-ก-5976

Araya Tipparuk

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-ก-5863

- Remark :**
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 3. *Total Organic Carbon analysis was performed by Faculty of Public Health, Mahidol University.
 4. - Not available.



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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0317/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 14.15
SAMPLING DATE : 01/03/2023 ANALYTICAL DATE : 02-09/03/2023
RECEIVED DATE : 02/03/2023 SITE OPERATOR : Mr. Song Hengchwankul
REPORT DATE : 10/03/2023 FILE CODE : 223097_WW_March
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION Final Effluent Basin	STANDARD ^{1/}
Temperature	°C	2550 B	< 0.5	32.2	≤ 40
pH	-	4500-H ⁺ B	< 0.10	7.30	5.5-9.0
Total Dissolved Solids	mg/l	2540 C	< 50	564	≤ 3,000
Total Suspended Solids	mg/l	2540 D	< 5	< 5	≤ 50
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	≤ 5
BOD ₅	mg/l	5210 B	< 1.0	1.0	≤ 20
Dissolved Oxygen	mg/l	4500-O G	< 0.1	5.7	-
COD	mg/l	5220 C	< 15.00	41.86	≤ 120
Total Organic Carbon*	mg/l	5310 B	< 0.01	8.77	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0006	≤ 0.005

REFERENCE: STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)

Khemchuda Insorn

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3. ^{1/} Notification of the Ministry of Natural Resources and Environment B.E.2559 (2016).

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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. : 0317/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 13.55
SAMPLING DATE : 01/03/2023 ANALYTICAL DATE : 03/03/2023
RECEIVED DATE : 02/03/2023 SITE OPERATOR : Mr. Song Hengchwankul
REPORT DATE : 10/03/2023 FILE CODE : 223097_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	0.62	≤ 5.0

REFERENCE: STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)

Krisana Chanthoom

(Miss Krisana Chanthoom)

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0317/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 14.23
SAMPLING DATE : 01/03/2023 ANALYTICAL DATE : 07/03/2023
RECEIVED DATE : 02/03/2023 SITE OPERATOR : Mr. Song Hengchwankul
REPORT DATE : 10/03/2023 FILE CODE : 223097_WW_March
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	0.0006	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED., 2017 (AWWA, APHA, WEF)

(Miss Krisana Chanthoom)

Analyst

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(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-ก-5863

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0539/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10.40
SAMPLING DATE : 05/04/2023 ANALYTICAL DATE : 06-16/04/2023
RECEIVED DATE : 06/04/2023 SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 17/04/2023 FILE CODE : 223097_WW_April
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION Bio-Transfer Tank	STANDARD
Temperature	°C	2550 B	< 0.5	36.1	-
pH	-	4500-H ⁺ B	< 0.10	7.24	-
Total Dissolved Solids	mg/l	2540 C	< 50	258	-
Total Suspended Solids	mg/l	2540 D	< 5	34	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	1.8	-
BOD ₅	mg/l	5210 B	< 1.0	128	-
COD	mg/l	5220 C	< 15.00	184	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	50.89	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0016	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED., 2017 (AWWA, APHA, WEF)

(Miss Khemchuda Insorn)

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0539/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10.45
SAMPLING DATE : 05/04/2023 ANALYTICAL DATE : 06-16/04/2023
RECEIVED DATE : 06/04/2023 SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 17/04/2023 FILE CODE : 223097_WW_April
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				Bio-DAF หลังผ่าน Clarifier Tank	
Temperature	°C	2550 B	< 0.5	34.3	-
pH	-	4500-H ⁺ B	< 0.10	7.02	-
Total Dissolved Solids	mg/l	2540 C	< 50	348	-
Total Suspended Solids	mg/l	2540 D	< 5	< 5	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	4.3	-
BOD ₅	mg/l	5210 B	< 1.0	< 1.0	-
COD	mg/l	5220 C	< 15.00	26.82	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	5.71	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0013	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st 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. : 0539/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10.50
SAMPLING DATE : 05/04/2023 ANALYTICAL DATE : 06-16/04/2023
RECEIVED DATE : 06/04/2023 SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 17/04/2023 FILE CODE : 223097_WW_April
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD ^{1/}
				Final Effluent Basin	
Temperature	°C	2550 B	< 0.5	34.2	≤ 40
pH	-	4500-H ⁺ B	< 0.10	7.52	5.5-9.0
Total Dissolved Solids	mg/l	2540 C	< 50	484	≤ 3,000
Total Suspended Solids	mg/l	2540 D	< 5	< 5	≤ 50
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	≤ 5
BOD ₅	mg/l	5210 B	< 1.0	< 1.0	≤ 20
Dissolved Oxygen	mg/l	4500-O G	< 0.1	6.5	-
COD	mg/l	5220 C	< 15.00	29.72	≤ 120
Total Organic Carbon*	mg/l	5310 B	< 0.01	6.90	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0007	≤ 0.005

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)

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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. : 0539/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 11.00
SAMPLING DATE : 05/04/2023 ANALYTICAL DATE : 06-07/04/2023
RECEIVED DATE : 06/04/2023 SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 17/04/2023 FILE CODE : 223097_WW_April
SAMPLE CONDITION : Normal

LOCATION DESCRIPTION : I = Hg Treated Water Tank (หน่วยบำบัดปรอทในน้ำเสียจากกระบวนการผลิต (น้ำจาก Desalter))

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION I	STANDARD
Mercury (Hg)	mg/l	3112 B	< 0.0005	ND	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)

K. Ch

(Miss Krisana Chanthoom)

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. : 0539/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 11.30
SAMPLING DATE : 05/04/2023 ANALYTICAL DATE : 06/04/2023
RECEIVED DATE : 06/04/2023 SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 17/04/2023 FILE CODE : 223097_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	0.58	≤ 5.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st 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.	: 0671/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 10.00
SAMPLING DATE	: 03/05/2023	ANALYTICAL DATE	: 04-09/05/2023
RECEIVED DATE	: 04/05/2023	SITE OPERATOR	: Mr. Aniwat Pimwanna
REPORT DATE	: 18/05/2023	FILE CODE	: 223097_WW_May
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD
				Bio-Transfer Tank	
Temperature	°C	2550 B	< 0.5	32.2	-
pH	-	4500-H ⁺ B	< 0.10	6.50	-
Total Dissolved Solids	mg/l	2540 C	< 50	170	-
Total Suspended Solids	mg/l	2540 D	< 5	24	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	2.3	-
BOD ₅	mg/l	5210 B	< 1.0	72.1	-
COD	mg/l	5220 C	< 15.00	151	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	39.38	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0046	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED. 2017 (AWWA, APHA, WEF)

Khemchuda Insorn

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0671/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 10.15
SAMPLING DATE	: 03/05/2023	ANALYTICAL DATE	: 04-09/05/2023
RECEIVED DATE	: 04/05/2023	SITE OPERATOR	: Mr. Aniwat Pimwanna
REPORT DATE	: 18/05/2023	FILE CODE	: 223097_WW_May
SAMPLE CONDITION	: 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 ⁺ B	< 0.10	6.60	-
Total Dissolved Solids	mg/l	2540 C	< 50	292	-
Total Suspended Solids	mg/l	2540 D	< 5	< 5	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	4.6	-
BOD ₅	mg/l	5210 B	< 1.0	< 1.0	-
COD	mg/l	5220 C	< 15.00	15.47	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	3.34	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0008	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED. 2017 (AWWA, APHA, WEF)

Khemchuda Insorn

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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0671/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 10.20
SAMPLING DATE	: 03/05/2023	ANALYTICAL DATE	: 04-09/05/2023
RECEIVED DATE	: 04/05/2023	SITE OPERATOR	: Mr. Aniwat Pimwanna
REPORT DATE	: 18/05/2023	FILE CODE	: 223097_WW_May
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND	STATION	STANDARD ^{1/}
			(non-detectable)	Final Effluent Basin	
Temperature	°C	2550 B	< 0.5	33.4	≤ 40
pH	-	4500-H ¹ B	< 0.10	7.49	5.5-9.0
Total Dissolved Solids	mg/l	2540 C	< 50	405	≤ 3,000
Total Suspended Solids	mg/l	2540 D	< 5	< 5	≤ 50
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	≤ 5
BOD ₅	mg/l	5210 B	< 1.0	< 1.0	≤ 20
Dissolved Oxygen	mg/l	4500-O G	< 0.1	5.9	-
COD	mg/l	5220 C	< 15.00	< 15.00	≤ 120
Total Organic Carbon*	mg/l	5310 B	< 0.01	5.38	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	ND	≤ 0.005

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED. 2017 (AWWA, APHA, WEF)

(Miss Khemchuda Insorn)

Analyst

REG. NO. 2-239-ก-5976

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 2-239-ก-5863

- Remark :**
1. Reported analysis refers to submitted sample only.
 2. This report shall not be reproduced, except in full, without official approval.
 3. ^{1/} 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 available.



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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0671/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 10.25
SAMPLING DATE	: 03/05/2023	ANALYTICAL DATE	: 04/05/2023
RECEIVED DATE	: 04/05/2023	SITE OPERATOR	: Mr. Aniwat Pimwanna
REPORT DATE	: 18/05/2023	FILE CODE	: 223097_WW_May
SAMPLE CONDITION	: Normal		

LOCATION DESCRIPTION : 1 = Hg Treated Water Tank (หน่วยบำบัดปรอทในน้ำเสียจากกระบวนการผลิต (น้ำจาก Desalter))

PARAMETER	UNIT	ANALYSIS METHODS	ND	STATION	STANDARD
			(non-detectable)	1	
Mercury (Hg)	mg/l	3112 B	< 0.0005	ND	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED. 2017 (AWWA, APHA, WEF)

(Miss Krisana Chanthoom)

Analyst

REG. NO. 2-239-ก-7802

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 2-239-ก-5863

- Remark :**
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 3. - Not available.



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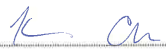
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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0671/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10.05
SAMPLING DATE : 03/05/2023 ANALYTICAL DATE : 05/05/2023
RECEIVED DATE : 04/05/2023 SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 18/05/2023 FILE CODE : 223097_WW_May
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION ระบบท่อเข้านก่อนเข้า Final Effluent Basin	STANDARD
Zinc (Zn)	mg/l	3120 B	< 0.003	0.90	≤ 5.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)


(Miss Krisana Chanthoom)
Analyst
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(Mrs. Araya Tipparuk)
Technical Management Team
REG. NO. 7-239-ก-5863

- Remark :
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 3. 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. : 0914/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10:41
SAMPLING DATE : 07/06/2023 ANALYTICAL DATE : 08-16/06/2023
RECEIVED DATE : 08/06/2023 SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 23/06/2023 FILE CODE : 223097_WW_June
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION Bio-Transfer Tank	STANDARD
Temperature	°C	2550 B	< 0.5	34.5	-
pH	-	4500-H B	< 0.10	7.21	-
Total Dissolved Solids	mg/l	2540 C	< 50	296	-
Total Suspended Solids	mg/l	2540 D	< 5	18	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	1.4	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	2.8	-
BOD ₅	mg/l	5210 B	< 1.0	87.1	-
COD	mg/l	5220 C	< 15.00	211	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	53.89	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0103	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)


(Miss Khemchuda Insorn)
Analyst
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(Mrs. Araya Tipparuk)
Technical Management Team
REG. NO. 7-239-ก-5863

- Remark :
1. Reported analysis refers to submitted sample only.
 2. This report shall not be reproduced, except in full, without official approval.
 3. *Total Organic Carbon analysis was performed by Faculty of Public Health, Mahidol University.
 4. - Not available.



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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0914/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 10:51
SAMPLING DATE	: 07/06/2023	ANALYTICAL DATE	: 08-16/06/2023
RECEIVED DATE	: 08/06/2023	SITE OPERATOR	: Mr. Aniwat Pimwanna
REPORT DATE	: 23/06/2023	FILE CODE	: 223097_WW_June
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION Bio-DAF 1 เครื่อง Clarifier Tank	STANDARD
Temperature	°C	2550 B	< 0.5	33.1	-
pH	-	4500-H ⁺ B	< 0.10	6.76	-
Total Dissolved Solids	mg/l	2540 C	< 50	321	-
Total Suspended Solids	mg/l	2540 D	< 5	< 5	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
Dissolved Oxygen	mg/l	4500-O G	< 0.10	4.2	-
BOD ₅	mg/l	5210 B	< 1.0	< 1.0	-
COD	mg/l	5220 C	< 15.00	19.35	-
Total Organic Carbon*	mg/l	5310 B	< 0.01	4.18	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	0.0006	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED., 2017 (AWWA, APHA, WEF)

Khemchuda Insorn

(Miss Khemchuda Insorn)

Analyst

REG. NO. 7-239-ก-5976

Araya Tipparuk

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-ก-5863

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

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3. *Total Organic Carbon analysis was performed by Faculty of Public Health, Mahidol University.

4. - Not available.



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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0914/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 11:01
SAMPLING DATE	: 07/06/2023	ANALYTICAL DATE	: 08-16/06/2023
RECEIVED DATE	: 08/06/2023	SITE OPERATOR	: Mr. Aniwat Pimwanna
REPORT DATE	: 23/06/2023	FILE CODE	: 223097_WW_June
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION Final Effluent Basin	STANDARD ^{1/}
Temperature	°C	2550 B	< 0.5	33.3	≤ 40
pH	-	4500-H ⁺ B	< 0.10	7.57	5.5-9.0
Total Dissolved Solids	mg/l	2540 C	< 50	430	≤ 3,000
Total Suspended Solids	mg/l	2540 D	< 5	< 5	≤ 50
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	≤ 5
BOD ₅	mg/l	5210 B	< 1.0	< 1.0	≤ 20
Dissolved Oxygen	mg/l	4500-O G	< 0.1	6.2	-
COD	mg/l	5220 C	< 15.00	27.96	≤ 120
Total Organic Carbon*	mg/l	5310 B	< 0.01	6.04	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	ND	≤ 0.005

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED., 2017 (AWWA, APHA, WEF)

Khemchuda Insorn

(Miss Khemchuda Insorn)

Analyst

REG. NO. 7-239-ก-5976

Araya Tipparuk

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-ก-5863

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

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3. ^{1/} 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 available.



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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0914/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 11:07
SAMPLING DATE : 07/06/2023 ANALYTICAL DATE : 12-13/06/2023
RECEIVED DATE : 08/06/2023 SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 23/06/2023 FILE CODE : 223097_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	ND	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)

(Miss Krisana Chanthoom)

Analyst

REG. NO. 7-239-8-7802

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-8-5863

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3. - Not available.



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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0914/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Grab
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10:35
SAMPLING DATE : 07/06/2023 ANALYTICAL DATE : 09, 12/06/2023
RECEIVED DATE : 08/06/2023 SITE OPERATOR : Mr. Aniwat Pimwanna
REPORT DATE : 23/06/2023 FILE CODE : 223097_WW_June
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION ระบบบำบัดเบื้องต้นเข้า Final Effluent Basin	STANDARD
Zinc (Zn)	mg/l	3120 B	< 0.003	0.50	≤ 5.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)

(Miss Krisana Chanthoom)

Analyst

REG. NO. 7-239-8-7802

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-8-5863

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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.	: 0315/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 14.49
SAMPLING DATE	: 01/03/2023	ANALYTICAL DATE	: 02-10/03/2023
RECEIVED DATE	: 02/03/2023	SITE OPERATOR	: Mr. Aniwat Pimwanna
REPORT DATE	: 10/03/2023	FILE CODE	: 223097_SW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION คลองห้วยใหญ่ก่อนจุดระบายน้ำโครงการ 50 เมตร	STANDARD ^{1/}
Temperature	°C	2550 B	< 0.5	30.0	n ¹
pH	-	4500-H ⁺ B	< 0.10	7.13	5 - 9
Total Dissolved Solids	mg/l	2540 C	< 50	202	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
Dissolved Oxygen	mg/l	4500-O C	< 0.10	5.5	≥ 4.0
BOD ₅	mg/l	5210 B	< 1.0	1.7	≤ 2.0
COD	mg/l	5220 C	< 15.00	21.30	-
Mercury (Hg)	mg/l	3112 B	< 0.0005	ND	≤ 0.002
Zinc (Zn)	mg/l	3111 B	< 0.005	0.06	≤ 1.0

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA-APHA-WEF)

Khemchuda Insorn

(Miss Khemchuda Insorn)

Analyst

Araya Tipparuk

(Mrs. Araya Tipparuk)

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. ^{1/} The Standard values of Surface Water Quality for class 3, notification by the National Environment Board No.8, B.E.2537 (1994).

4. n¹ means naturally but changing by no more than 3°C.

5. - Not available.



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WATER AND WASTEWATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0315/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 14.59
SAMPLING DATE	: 01/03/2023	ANALYTICAL DATE	: 02-10/03/2023
RECEIVED DATE	: 02/03/2023	SITE OPERATOR	: Mr. Aniwat Pimwanna
REPORT DATE	: 10/03/2023	FILE CODE	: 223097_SW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION คลองห้วยใหญ่หลังจุดระบายน้ำโครงการ 50 เมตร	STANDARD ^{1/}
Temperature	°C	2550 B	< 0.5	29.6	n ¹
pH	-	4500-H ⁺ B	< 0.10	7.16	5 - 9
Total Dissolved Solids	mg/l	2540 C	< 50	266	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
Dissolved Oxygen	mg/l	4500-O C	< 0.10	5.3	≥ 4.0
BOD ₅	mg/l	5210 B	< 1.0	1.9	≤ 2.0
COD	mg/l	5220 C	< 15.00	50.67	-
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 21st ED. 2017 (AWWA-APHA-WEF)

Khemchuda Insorn

(Miss Khemchuda Insorn)

Analyst

Araya Tipparuk

(Mrs. Araya Tipparuk)

Technical Management Team

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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.:	: 0376/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 14:18-14:52
SAMPLING DATE	: 07/03/2023	ANALYTICAL DATE	: 11-13/03/2023
RECEIVED DATE	: 10/03/2023	SITE OPERATOR	: Mr. Baworn Deechaiya
REPORT DATE	: 24/03/2023	FILE CODE	: 223097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-01	STANDARD ^{1/}
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
Total Xylenes	mg/l	6200 B	< 0.0006	ND	≤ 24

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA-APHA-WEF)

Jutarat Jaemruen

(Miss Jutarat Jaemruen)

Analyst

REG. NO. ๓-239-๘-5827

M T

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. ๓-239-๘-5863

- Remark :**
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 3. ^{1/} Notification of the Ministry of Industry, B.E.2559 (2016).



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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

GROUND WATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.:	: 0376/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 14:18-14:52
SAMPLING DATE	: 07/03/2023	ANALYTICAL DATE	: 10/03/2023
RECEIVED DATE	: 10/03/2023	SITE OPERATOR	: Mr. Baworn Deechaiya
REPORT DATE	: 24/03/2023	FILE CODE	: 223097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-01	STANDARD ^{1/}
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA-APHA-WEF)

K a

(Miss Krisana Chanthoom)

Analyst

REG. NO. ๓-239-๘-7802

M T

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. ๓-239-๘-5863

- Remark :**
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GROUND WATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0376/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 09:31-09:45
SAMPLING DATE	: 08/03/2023	ANALYTICAL DATE	: 11-13/03/2023
RECEIVED DATE	: 10/03/2023	SITE OPERATOR	: Mr. Baworn Deechaiya
REPORT DATE	: 24/03/2023	FILE CODE	: 223097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-04	STANDARD ^{1/}
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
Total Xylenes	mg/l	6200 B	< 0.0006	ND	≤ 24

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA-APHA-WEF)

Jutarat Jaemruen

(Miss Jutarat Jaemruen)

Analyst

REG. NO. 7-239-9-5827

Araya Tipparuk

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-9-5863

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GROUND WATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0376/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 09:31-09:45
SAMPLING DATE	: 08/03/2023	ANALYTICAL DATE	: 10/03/2023
RECEIVED DATE	: 10/03/2023	SITE OPERATOR	: Mr. Baworn Deechaiya
REPORT DATE	: 24/03/2023	FILE CODE	: 223097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-04	STANDARD ^{1/}
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA-APHA-WEF)

Krisana Chanthoom
(Miss Krisana Chanthoom)

Analyst

REG. NO. 7-239-9-7802

Araya Tipparuk
(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-9-5863

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GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0376/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Pneumatic Bladder Pump
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10:46-11:08
SAMPLING DATE : 08/03/2023 ANALYTICAL DATE : 11-13/03/2023
RECEIVED DATE : 10/03/2023 SITE OPERATOR : Mr. Baworn Deechaiya
REPORT DATE : 24/03/2023 FILE CODE : 223097_GW_March
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-06	STANDARD ^{1/}
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
Total Xylenes	mg/l	6200 B	< 0.0006	ND	≤ 24

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)

Jutarat Jaemruen
(Miss Jutarat Jaemruen)

Analyst

REG. NO. 7-239-ก-5827

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-ก-5863

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GROUND WATER ANALYSIS REPORT

CLIENT NAME : PTT Global Chemical Public Co., Ltd. REQUEST SERVICE No. : 0376/66
(Branch 5 : Aromatics 2 Plant) SAMPLING METHOD : Pneumatic Bladder Pump
SAMPLING BY : SECOT Co., Ltd. SAMPLING TIME : 10:46-11:08
SAMPLING DATE : 08/03/2023 ANALYTICAL DATE : 10/03/2023
RECEIVED DATE : 10/03/2023 SITE OPERATOR : Mr. Baworn Deechaiya
REPORT DATE : 24/03/2023 FILE CODE : 223097_GW_March
SAMPLE CONDITION : Normal

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-06	STANDARD ^{1/}
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)

(Miss Krisana Chanthoom)

Analyst

REG. NO. 7-239-ก-7802

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-ก-5863

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GROUND WATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.:	: 0376/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 10:03-10:25
SAMPLING DATE	: 09/03/2023	ANALYTICAL DATE	: 11-13/03/2023
RECEIVED DATE	: 10/03/2023	SITE OPERATOR	: Mr. Baworn Deechaiya
REPORT DATE	: 24/03/2023	FILE CODE	: 223097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-08	STANDARD ^{1/}
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
Total Xylenes	mg/l	6200 B	< 0.0006	ND	≤ 24

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)

Jutarat Jaemruen
(Miss Jutarat Jaemruen)

Analyst

REG. NO. 7-239-ก-5827

(Mrs. Araya Tipparuk)
(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-ก-5863

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GROUND WATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.:	: 0376/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 10:03-10:25
SAMPLING DATE	: 09/03/2023	ANALYTICAL DATE	: 10/03/2023
RECEIVED DATE	: 10/03/2023	SITE OPERATOR	: Mr. Baworn Deechaiya
REPORT DATE	: 24/03/2023	FILE CODE	: 223097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-08	STANDARD ^{1/}
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA, APHA, WEF)

(Miss Krisana Chanthoom)
(Miss Krisana Chanthoom)

Analyst

REG. NO. 7-239-ก-7802

(Mrs. Araya Tipparuk)
(Mrs. Araya Tipparuk)

Technical Management Team

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GROUND WATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No	: 0376/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 10:47-11:15
SAMPLING DATE	: 09/03/2023	ANALYTICAL DATE	: 11-13/03/2023
RECEIVED DATE	: 10/03/2023	SITE OPERATOR	: Mr. Baworn Deechaiya
REPORT DATE	: 24/03/2023	FILE CODE	: 223097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-09	STANDARD ^{1/}
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
Total Xylenes	mg/l	6200 B	< 0.0006	ND	≤ 24

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA APHA, WEF)

Jutarat Jaemruen
(Miss Jutarat Jaemruen)

Analyst

REG. NO. 7-239-8-5827

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-8-5863

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GROUND WATER ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No	: 0376/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Pneumatic Bladder Pump
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 10:47-11:15
SAMPLING DATE	: 09/03/2023	ANALYTICAL DATE	: 10/03/2023
RECEIVED DATE	: 10/03/2023	SITE OPERATOR	: Mr. Baworn Deechaiya
REPORT DATE	: 24/03/2023	FILE CODE	: 223097_GW_March
SAMPLE CONDITION	: Normal		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION MW-09	STANDARD ^{1/}
Mercury (Hg)	mg/l	3112 B	< 0.0001	ND	≤ 0.7

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 21st ED. 2017 (AWWA APHA, WEF)

(Miss Krisana Chanthoom)

Analyst

REG. NO. 7-239-8-7802

(Mrs. Araya Tipparuk)

Technical Management Team

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ภาคผนวก ง.6

ใบรับรองผลการตรวจวัดระดับเสียงทั่วไป



Noise Monitoring Result : Community Noise MTR-PTTGC 5

Location : Noppakate Village Monitor Period : 31 May 2023-07 Jun 2023
SLM Model : RION NL-21 Serial No : 00198277
Site Operator : Mr. Siwanon Kulawong

Calibrator Model : RION NC-74 Serial No : 34283648
Calibration Ref dB(A) : 94.0 Certified Date : 13 Jan 2023
SLM Reading / Adjust dB(A) : 93.8/0.2 Expire Date : 12 Jan 2024
Cal Sheet No.: NC-74-2023-027

Time	Equivalent Sound Pressure Level (dB(A))						
	31 May-01 Jun 2023	01-02 Jun 2023	02-03 Jun 2023	03-04 Jun 2023	04-05 Jun 2023	05-06 Jun 2023	06-07 Jun 2023
15:00 - 16:00	58.5	58.2	57.5	57.4	57.7	58.3	58.5
16:00 - 17:00	61.2	61.6	59.1	57.5	58.1	58.4	58.4
17:00 - 18:00	60.9	61.0	61.3	59.2	58.4	58.1	58.6
18:00 - 19:00	61.2	61.0	60.4	60.3	56.8	59.9	60.8
19:00 - 20:00	58.8	58.5	61.0	63.6	57.3	60.7	60.7
20:00 - 21:00	57.2	58.1	58.6	61.3	58.5	64.8	60.7
21:00 - 22:00	57.8	57.3	57.9	61.6	60.1	58.0	59.8
22:00 - 23:00	54.6	57.5	57.8	63.9	60.2	57.1	61.3
23:00 - 00:00	55.5	55.4	56.3	58.4	59.8	57.2	61.4
00:00 - 01:00	52.4	52.5	54.4	54.1	59.7	54.3	58.5
01:00 - 02:00	52.9	52.1	56.1	53.1	60.1	55.4	53.9
02:00 - 03:00	52.6	52.8	55.5	55.1	61.0	51.4	51.4
03:00 - 04:00	52.2	56.5	51.2	53.5	59.1	51.2	51.8
04:00 - 05:00	55.3	54.4	53.1	51.7	58.4	49.4	54.8
05:00 - 06:00	60.0	59.0	53.5	57.8	57.6	52.6	53.6
06:00 - 07:00	61.4	59.9	59.4	58.0	56.1	54.1	52.9
07:00 - 08:00	61.5	61.3	58.2	57.8	56.0	59.0	60.3
08:00 - 09:00	58.6	58.4	60.2	57.3	56.7	60.8	60.3
09:00 - 10:00	59.6	59.7	58.1	58.5	54.8	62.2	61.9
10:00 - 11:00	57.0	57.9	58.1	58.4	54.9	61.3	60.5
11:00 - 12:00	59.3	59.2	58.1	57.4	53.0	60.3	58.2
12:00 - 13:00	59.2	62.4	58.3	55.3	54.6	58.1	57.7
13:00 - 14:00	59.6	57.8	60.3	54.5	54.2	59.2	58.4
14:00 - 15:00	57.6	57.7	57.1	57.9	51.3	59.6	58.6
Leq(24)*	58.6	58.7	58.2	58.7	57.9	58.9	58.9
Ldn	63.5	63.5	62.9	64.5	65.4	62.3	64.1
Lmax **	82.2	85.4	87.1	84.1	82.0	93.1	77.3

Standard-24Hr 70 dB(A)
Standard-Max 115 dB(A)

Remark : * Average time between 15:00-15:00

** Maximum Sound Pressure Level between 15:00-15:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Noise Monitoring Result : Background Noise MTR-PTTGC 5

Location : Noppakate Village Monitor Period : 31 May 2023-07 Jun 2023
SLM Model : RION NL-21 Serial No : 00198277
Site Operator : Mr. Siwanon Kulawong

Calibrator Model : RION NC-74 Serial No : 34283648
Calibration Ref dB(A) : 94.0 Certified Date : 13 Jan 2023
SLM Reading / Adjust dB(A) : 93.8/0.2 Expire Date : 12 Jan 2024
Cal Sheet No.: NC-74-2023-027

Time	L90 (dB(A))						
	31 May-01 Jun 2023	01-02 Jun 2023	02-03 Jun 2023	03-04 Jun 2023	04-05 Jun 2023	05-06 Jun 2023	06-07 Jun 2023
15:00 - 16:00	50.7	50.9	49.7	49.0	50.5	50.2	50.5
16:00 - 17:00	55.6	55.1	52.0	48.7	47.2	49.9	50.5
17:00 - 18:00	54.6	55.3	54.7	51.9	47.6	49.6	50.6
18:00 - 19:00	55.4	54.6	54.4	54.2	48.4	51.8	52.7
19:00 - 20:00	53.2	52.9	55.2	58.0	49.1	52.7	55.7
20:00 - 21:00	50.7	50.8	53.3	56.0	50.8	53.7	55.9
21:00 - 22:00	48.8	50.0	50.8	52.0	51.2	50.3	53.6
22:00 - 23:00	48.4	48.9	49.5	56.3	51.6	48.7	56.7
23:00 - 00:00	48.3	48.6	48.6	46.4	51.5	48.2	56.8
00:00 - 01:00	48.2	48.2	48.0	48.0	50.8	46.3	50.2
01:00 - 02:00	47.6	47.7	48.0	47.9	51.7	45.2	47.3
02:00 - 03:00	48.1	47.1	47.2	46.9	54.4	44.7	46.8
03:00 - 04:00	47.5	47.9	46.7	47.6	51.9	44.7	46.1
04:00 - 05:00	47.8	47.7	46.7	47.2	51.1	45.9	46.6
05:00 - 06:00	52.0	50.5	47.1	49.3	51.2	45.8	46.9
06:00 - 07:00	55.2	53.7	49.9	50.7	49.2	45.9	46.8
07:00 - 08:00	55.5	55.6	50.6	49.7	49.8	48.6	48.6
08:00 - 09:00	50.8	51.5	52.8	49.2	47.6	53.9	53.7
09:00 - 10:00	50.3	51.0	50.3	51.6	47.1	57.0	56.3
10:00 - 11:00	49.4	48.9	50.1	52.0	46.8	52.9	53.1
11:00 - 12:00	51.3	53.3	49.3	49.4	46.5	52.2	50.7
12:00 - 13:00	50.8	50.7	50.4	48.4	46.3	50.2	50.3
13:00 - 14:00	51.3	49.4	52.9	47.7	46.3	51.2	51.8
14:00 - 15:00	49.7	49.7	49.0	50.1	45.6	52.5	52.1
L90(avg)*	51.8	51.6	51.0	51.7	49.9	50.9	52.6

Remark : * Average time between 15:00-15:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Noise Monitoring Result : Community Noise MTR-PTTGC 5

Location : Ban Phak PTT Monitor Period : 31 May 2023-07 Jun 2023
SLM Model : RION NL-21 Serial No : 00521703
Site Operator : Mr. Siwanon Kulawong

Calibrator Model : RION NC-74 Serial No : 34283648
Calibration Ref dB(A) : 94.0 Certified Date : 13 Jan 2023
SLM Reading / Adjust dB(A) : 93.7/0.3 Expire Date : 12 Jan 2024
Cal Sheet No.: NC-74-2023-027

Time	Equivalent Sound Pressure Level (dB(A))						
	31 May-01 Jun 2023	01-02 Jun 2023	02-03 Jun 2023	03-04 Jun 2023	04-05 Jun 2023	05-06 Jun 2023	06-07 Jun 2023
15:00 - 16:00	57.8	53.7	56.0	56.3	55.7	54.9	56.9
16:00 - 17:00	54.5	55.0	55.9	56.4	55.1	55.3	55.9
17:00 - 18:00	55.4	54.5	56.4	54.0	54.0	51.5	54.0
18:00 - 19:00	57.4	57.3	58.6	53.6	51.5	53.2	55.7
19:00 - 20:00	54.4	53.1	55.5	55.1	53.9	52.4	53.1
20:00 - 21:00	53.2	52.2	52.8	51.5	51.9	55.0	53.9
21:00 - 22:00	51.8	51.6	51.7	50.9	52.5	51.9	52.2
22:00 - 23:00	51.1	51.0	51.5	48.3	49.6	49.8	51.5
23:00 - 00:00	49.6	49.9	49.6	47.2	49.8	50.0	50.3
00:00 - 01:00	47.8	48.4	52.3	46.1	47.9	49.0	49.4
01:00 - 02:00	47.7	46.9	46.8	46.2	46.6	47.4	49.0
02:00 - 03:00	46.5	48.1	46.4	45.4	46.9	46.1	48.3
03:00 - 04:00	51.0	47.8	47.2	46.0	46.3	47.0	47.8
04:00 - 05:00	54.0	52.5	48.0	45.4	45.8	45.7	48.2
05:00 - 06:00	52.3	52.2	53.6	48.8	45.1	46.3	47.1
06:00 - 07:00	58.7	55.4	52.5	54.6	55.3	48.6	49.2
07:00 - 08:00	61.2	60.6	55.6	50.9	51.3	55.0	54.1
08:00 - 09:00	61.2	58.8	62.3	60.8	61.8	54.5	54.8
09:00 - 10:00	59.3	57.7	61.6	59.6	62.1	61.5	62.3
10:00 - 11:00	55.5	56.2	58.1	57.5	62.4	65.7	60.2
11:00 - 12:00	55.3	55.4	57.6	56.7	61.2	54.0	57.8
12:00 - 13:00	57.5	57.3	57.2	56.4	57.5	55.6	55.3
13:00 - 14:00	58.1	56.7	57.8	53.7	56.5	58.4	56.1
14:00 - 15:00	57.8	57.0	57.5	56.3	55.7	58.1	53.5
Leq(24)*	56.2	55.1	56.2	54.6	56.3	56.2	55.1
Ldn	60.2	58.8	59.0	57.4	58.6	58.0	57.8
Lmax **	81.0	78.7	80.1	81.9	78.8	79.0	77.6
Standard-24Hr	70 dB(A)						
Standard-Max	115 dB(A)						

Remark : * Average time between 15:00-15:00

** Maximum Sound Pressure Level between 15:00-15:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Noise Monitoring Result : Background Noise MTR-PTTGC 5

Location : Ban Phak PTT Monitor Period : 31 May 2023-07 Jun 2023
SLM Model : RION NL-21 Serial No : 00521703
Site Operator : Mr. Siwanon Kulawong

Calibrator Model : RION NC-74 Serial No : 34283648
Calibration Ref dB(A) : 94.0 Certified Date : 13 Jan 2023
SLM Reading / Adjust dB(A) : 93.7/0.3 Expire Date : 12 Jan 2024
Cal Sheet No.: NC-74-2023-027

Time	L90 (dB(A))						
	31 May-01 Jun 2023	01-02 Jun 2023	02-03 Jun 2023	03-04 Jun 2023	04-05 Jun 2023	05-06 Jun 2023	06-07 Jun 2023
15:00 - 16:00	50.9	48.7	50.3	50.0	49.7	48.6	51.0
16:00 - 17:00	50.3	50.1	51.2	47.9	48.9	48.5	49.8
17:00 - 18:00	50.4	50.6	50.8	48.8	48.0	47.2	49.2
18:00 - 19:00	51.4	50.8	50.2	49.2	46.4	48.2	50.1
19:00 - 20:00	50.2	49.4	49.9	49.8	48.0	47.9	49.3
20:00 - 21:00	49.3	48.6	49.3	47.6	48.1	48.3	50.2
21:00 - 22:00	49.3	49.0	48.1	46.1	47.2	47.1	48.5
22:00 - 23:00	47.8	48.8	47.8	45.7	46.6	46.2	47.8
23:00 - 00:00	46.2	45.9	46.5	45.0	46.3	46.2	48.0
00:00 - 01:00	44.8	45.2	45.4	43.1	44.6	45.6	47.3
01:00 - 02:00	44.2	43.8	44.4	43.2	43.6	44.1	46.1
02:00 - 03:00	42.9	43.7	43.4	43.1	43.8	43.8	45.2
03:00 - 04:00	44.8	44.9	43.2	43.3	43.7	44.5	45.4
04:00 - 05:00	46.9	45.6	44.7	43.3	43.4	43.5	44.7
05:00 - 06:00	48.7	48.6	47.3	44.4	43.4	43.5	44.6
06:00 - 07:00	52.8	49.7	48.1	47.3	45.2	44.4	45.5
07:00 - 08:00	53.1	57.2	51.3	46.8	47.2	48.9	48.1
08:00 - 09:00	53.6	51.3	55.5	52.4	54.0	49.9	49.2
09:00 - 10:00	51.5	50.0	51.7	50.0	53.4	52.9	57.5
10:00 - 11:00	49.8	48.6	52.8	49.5	50.2	52.6	52.0
11:00 - 12:00	49.2	48.0	51.8	48.4	48.5	49.5	49.8
12:00 - 13:00	48.7	49.2	51.5	48.5	48.2	48.3	49.0
13:00 - 14:00	48.7	50.6	51.6	48.6	48.1	49.9	48.2
14:00 - 15:00	48.8	51.6	51.1	50.3	47.8	50.3	48.7
L90(avg)*	49.7	49.8	50.1	48.0	48.3	48.3	49.7

Remark : * Average time between 15:00-15:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Noise Monitoring Result : Community Noise MTR-PTTGC 5

Location : North of Fence Monitor Period : 31 May 2023-07 Jun 2023
SLM Model : RION NL-21 Serial No : 00487723
Site Operator : Mr. Siwanon Kulawong

Calibrator Model : RION NC-74 Serial No : 34283648
Calibration Ref dB(A) : 94.0 Certified Date : 13 Jan 2023
SLM Reading / Adjust dB(A) : 93.9/0.1 Expire Date : 12 Jan 2024
Cal Sheet No.: NC-74-2023-027

Time	Equivalent Sound Pressure Level (dB(A))						
	31 May-01 Jun 2023	01-02 Jun 2023	02-03 Jun 2023	03-04 Jun 2023	03-04 Jun 2023	05-06 Jun 2023	06-07 Jun 2023
15:00 - 16:00	60.4	63.4	57.4	55.5	56.2	58.3	59.0
16:00 - 17:00	59.1	59.7	57.9	56.7	56.4	61.4	57.9
17:00 - 18:00	58.1	58.9	59.6	56.6	56.2	66.2	58.9
18:00 - 19:00	62.3	63.6	58.3	56.6	55.8	58.8	60.5
19:00 - 20:00	57.2	57.9	60.6	62.0	67.8	60.2	59.8
20:00 - 21:00	56.6	57.2	56.7	56.9	57.8	60.6	59.2
21:00 - 22:00	56.3	57.3	55.7	55.6	57.6	58.2	58.4
22:00 - 23:00	56.2	56.0	55.6	54.0	57.9	57.8	60.1
23:00 - 00:00	54.5	56.0	55.6	55.4	56.6	57.5	59.5
00:00 - 01:00	55.3	55.8	56.1	55.4	56.3	62.9	65.4
01:00 - 02:00	54.5	55.6	56.1	55.6	55.7	65.4	58.4
02:00 - 03:00	55.3	55.0	55.4	55.5	55.5	57.3	58.3
03:00 - 04:00	54.1	55.5	54.4	55.5	55.7	57.6	58.0
04:00 - 05:00	60.0	55.2	55.1	55.8	55.4	57.7	58.4
05:00 - 06:00	55.8	59.9	58.9	55.7	55.2	57.1	57.3
06:00 - 07:00	59.3	57.8	55.6	65.1	61.2	57.3	57.5
07:00 - 08:00	59.2	58.1	57.1	57.1	56.7	57.1	57.1
08:00 - 09:00	57.4	58.1	57.1	57.7	55.5	56.0	57.0
09:00 - 10:00	57.2	57.5	55.9	57.3	56.0	56.2	56.9
10:00 - 11:00	56.8	57.5	55.9	56.3	55.9	56.0	56.9
11:00 - 12:00	60.5	58.3	56.4	56.0	55.7	55.7	57.0
12:00 - 13:00	58.3	58.5	56.1	57.3	58.5	54.9	55.8
13:00 - 14:00	60.5	63.6	54.6	63.9	62.3	54.6	56.3
14:00 - 15:00	58.4	59.1	58.6	55.4	61.6	54.9	55.9
Leq(24)*	58.2	59.0	57.0	58.2	59.0	59.6	58.9
Ldn	63.5	63.7	62.7	64.7	64.0	66.5	66.2
Lmax **	83.1	79.5	81.7	80.0	80.4	88.2	84.3
Standard-24Hr	70 dB(A)						
Standard-Max	115 dB(A)						

Remark : * Average time between 15:00-15:00

** Maximum Sound Pressure Level between 15:00-15:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Noise Monitoring Result : Background Noise MTR-PTTGC 5

Location : North of Fence Monitor Period : 31 May 2023-07 Jun 2023
SLM Model : RION NL-21 Serial No : 00487723
Site Operator : Mr. Siwanon Kulawong

Calibrator Model : RION NC-74 Serial No : 34283648
Calibration Ref dB(A) : 94.0 Certified Date : 13 Jan 2023
SLM Reading / Adjust dB(A) : 93.9/0.1 Expire Date : 12 Jan 2024
Cal Sheet No.: NC-74-2023-027

Time	L90 (dB(A))						
	31 May-01 Jun 2023	01-02 Jun 2023	02-03 Jun 2023	03-04 Jun 2023	04-05 Jun 2023	05-06 Jun 2023	06-07 Jun 2023
15:00 - 16:00	54.8	55.6	55.3	53.9	54.0	56.2	56.4
16:00 - 17:00	54.8	56.4	55.7	54.2	54.6	55.8	55.7
17:00 - 18:00	54.4	55.9	55.8	54.4	54.3	56.0	55.6
18:00 - 19:00	55.5	56.9	55.7	54.4	53.9	56.3	59.3
19:00 - 20:00	55.0	55.5	55.4	55.4	54.5	55.9	56.9
20:00 - 21:00	54.9	55.2	54.8	54.9	55.9	54.6	56.1
21:00 - 22:00	55.0	56.0	54.3	53.8	56.0	54.9	56.1
22:00 - 23:00	53.9	54.6	54.3	52.6	56.0	55.3	56.1
23:00 - 00:00	53.5	54.6	54.3	53.2	55.4	55.4	56.6
00:00 - 01:00	54.0	54.3	55.0	54.1	55.2	56.0	57.6
01:00 - 02:00	53.3	54.3	55.0	54.4	54.2	55.4	56.7
02:00 - 03:00	52.8	54.1	54.0	54.6	54.4	55.3	56.6
03:00 - 04:00	53.3	54.7	53.5	54.8	54.6	55.2	56.2
04:00 - 05:00	53.5	54.1	53.9	54.9	54.4	55.3	56.3
05:00 - 06:00	54.2	54.5	54.5	54.9	54.2	55.9	56.2
06:00 - 07:00	54.8	54.8	54.6	55.3	54.5	56.1	56.4
07:00 - 08:00	54.0	54.8	55.0	55.3	55.0	55.0	56.1
08:00 - 09:00	53.4	55.3	55.1	55.6	54.1	54.9	56.0
09:00 - 10:00	54.0	55.0	54.2	55.2	54.3	54.8	55.7
10:00 - 11:00	53.6	55.2	54.2	54.4	54.5	54.5	55.6
11:00 - 12:00	55.4	55.2	53.9	54.0	54.3	54.3	55.7
12:00 - 13:00	55.4	54.7	53.8	54.7	54.2	53.5	54.7
13:00 - 14:00	55.4	55.8	52.9	54.2	54.8	53.5	54.8
14:00 - 15:00	55.9	55.4	54.0	53.7	58.7	53.5	54.9
L90(avg)*	54.4	55.2	54.6	54.5	55.0	55.2	56.3

Remark : * Average time between 15:00-15:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team

ภาคผนวก ง.7

ใบรับรองผลการตรวจวัดโลหะหนัก
ในกากตะกอนจากระบบบำบัดน้ำเสีย



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

SLUDGE SAMPLES ANALYSIS REPORT

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REQUEST SERVICE No.	: 0542/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab Samplers
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 12.00
SAMPLING DATE	: 05/04/2023	ANALYTICAL DATE	: 10-17/04/2023
RECEIVED DATE	: 06/04/2023	SITE OPERATOR	: Mr. Baworn Deechaiya
REPORT DATE	: 18/04/2023	FILE CODE	: 223097_Sludge_April
SAMPLE CONDITION	: Normal		

PARAMETER	UNITS	ANALYSIS METHODS	ND (non-detectable)	SAMPLING LOCATION	
				ภาคตะวันออก ระบบบำบัดน้ำเสียจากหน่วย Desalter	STANDARD
Mercury (Hg)	TTLIC	mg/kg	7471 B	< 0.05	65.47
	STLC	mg/l	7470 A	< 0.0005	0.2736

Reference method : Test Methods of Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd edition, US EPA 2020,
Ministry of Industry Disposal of waste or unused materials, B.E.2548 (2005).

(Miss Krisana Chanthoom)

Analyst

REG. NO. 7-239-9-7802

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-8-5863

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

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

3. TTLIC = Total Threshold Limit Concentration (mg/kg) , STLC = Soluble Threshold Limit Concentration (mg/l).

4. - Not available.



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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.	: 0542/66
	(Branch 5 : Aromatics 2 Plant)	SAMPLING METHOD	: Grab Samplers
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 11.55
SAMPLING DATE	: 05/04/2023	ANALYTICAL DATE	: 10-17/04/2023
RECEIVED DATE	: 06/04/2023	SITE OPERATOR	: Mr. Baworn Deechaiya
REPORT DATE	: 18/04/2023	FILE CODE	: 223097_Sludge_April
SAMPLE CONDITION	: Normal		

PARAMETER	UNITS	ANALYSIS METHODS	ND (non-detectable)	SAMPLING LOCATION	
				ภาคตะวันออก ระบบบำบัดน้ำเสีย (ETP)	STANDARD
Mercury (Hg)	TTLIC	mg/kg	7471 B	< 0.05	1.728
	STLC	mg/l	7470 A	< 0.0005	1.18

Reference method : Test Methods of Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd edition, US EPA 2020,
Ministry of Industry Disposal of waste or unused materials, B.E.2548 (2005).

(Miss Krisana Chanthoom)

Analyst

REG. NO. 7-239-9-7802

(Mrs. Araya Tipparuk)

Technical Management Team

REG. NO. 7-239-8-5863

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

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

3. TTLIC = Total Threshold Limit Concentration (mg/kg) , STLC = Soluble Threshold Limit Concentration (mg/l).

4. - Not available.

ภาคผนวก ง.8

ใบรับรองผลการตรวจวัดคุณภาพอากาศภายในสถานประกอบการ

แบบติดตั้งกับพื้นที่



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.	: 0211/66
For	: PTT Global Chemical Public Co., Ltd (Branch 5 : Aromatics 2 Plant)	Sampling Date	: 09-10/02/2023
Address	: 96/9 Rayong Highway Road 3191, RIL Industrial Estate, Map Ta Phut, Muang Rayong, Rayong 21150	Received Date	: 13/02/2023
		Test Date	: 15/02/2023
Tel/Fax	: +66(0) 3897-3000/+66(0) 3897-3353	Report Date	: 23/02/2023

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 ppm	RESULT ppm	STANDARD ppm
Aromatics 1	09/02/2023	Benzene	NIOSH 1501/GC FID	< 0.02	0.32	1
	09:46-13:46	Toluene	NIOSH 1501/GC FID	< 0.02	ND	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	ND	100
Reformer 1	09/02/2023	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
	09:05-13:05	Toluene	NIOSH 1501/GC FID	< 0.02	ND	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	ND	100
Utility Area	09/02/2023	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
	09:16-13:16	Toluene	NIOSH 1501/GC FID	< 0.02	ND	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	0.15	100
Laboratory Area	10/02/2023	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
	09:00-13:00	Toluene	NIOSH 1501/GC FID	< 0.02	ND	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	ND	100

Analyst By: Sudaporn Soonthorn
(Miss Sudaporn Soonthorn)

Approved By: Narisa Poowasanpetch
(Miss Narisa Poowasanpetch)
Technical Management Team

- Remark : 1. Reported analysis refers to submitted sample only.
- This report shall not be reproduced, except in full, without official approval.
 - Notification of the Department of Labour Protection and Welfare, B.E.2560 (2017).
 - ND = non-detectable.



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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

ANALYSIS/TEST REPORT

Customer	: RND/SECOT Co., Ltd.	Request Service No.	: 0211/66
For	: PTT Global Chemical Public Co., Ltd (Branch 5 : Aromatics 2 Plant)	Sampling Date	: 10/02/2023
Address	: 96/9 Rayong Highway Road 3191, RIL Industrial Estate, Map Ta Phut, Muang Rayong, Rayong 21150	Received Date	: 13/02/2023
		Test Date	: 15/02/2023
Tel/Fax	: +66(0) 3897-3000/+66(0) 3897-3353	Report Date	: 23/02/2023

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 ppm	RESULT ppm	STANDARD ppm
Tank Farm	10/02/2023	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
	10:16-14:16	Toluene	NIOSH 1501/GC FID	< 0.02	ND	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	ND	100

Analyst By: Sudaporn Soonthorn
(Miss Sudaporn Soonthorn)

Approved By: Narisa Poowasanpetch
(Miss Narisa Poowasanpetch)
Technical Management Team

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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.	: 0211/66
For	: PTT Global Chemical Public Co., Ltd (Branch 5 : Aromatics 2 Plant)	Sampling Date	: 10/02/2023
Address	: 96/9 Rayong Highway Road 3191, RIL Industrial Estate, Map Ta Phut, Muang Rayong, Rayong 21150	Received Date	: 13/02/2023
		Test Date	: 13/02/2023
Tel/Fax	: +66(0) 3897-3000/+66(0) 3897-3353	Report Date	: 23/02/2023

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 ppm	RESULT ppm	STANDARD ppm
Tank Farm	10/02/2023 10:16-10:31	NMHC	THC Analyzer / FID	< 0.05	0.65	-

Analyst By: Sudaporn Soonthorn
(Miss Sudaporn Soonthorn)

Approved By: Narisa 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

Customer	: RND/SECOT Co., Ltd.	Request Service No.	: 0941/66
For	: PTT Global Chemical Public Co., Ltd (Branch 5 : Aromatics 2 Plant)	Sampling Date	: 08-09/06/2023
Address	: 96/9 Rayong Highway Road 3191, RIL Industrial Estate, Map Ta Phut, Muang Rayong, Rayong 21150	Received Date	: 12/06/2023
		Test Date	: 14/06/2023
Tel/Fax	: +66(0) 3897-3000/+66(0) 3897-3353	Report Date	: 21/06/2023

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 ppm	RESULT ppm	STANDARD ppm
Aromatics 1	08/06/2023 10:00-14:10	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
Reformer 1	08/06/2023 10:12-14:22	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	08/06/2023 09:53-14:03	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	09/06/2023 07:30-11:40	Benzene	NIOSH 1501/GC FID	< 0.02	0.20	1
		Toluene	NIOSH 1501/GC FID	< 0.02	0.12	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	ND	100

Analyst By: Sudaporn Soonthorn
(Miss Sudaporn Soonthorn)

Approved By: Narisa 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

Customer	: RND/SECOT Co., Ltd.	Request Service No.	: 0941/66
For	: PTT Global Chemical Public Co., Ltd (Branch 5 : Aromatics 2 Plant)	Sampling Date	: 09/06/2023
Address	: 96/9 Rayong Highway Road 3191, RIL Industrial Estate, Map Ta Phut, Muang Rayong, Rayong 21150	Received Date	: 12/06/2023
		Test Date	: 14/06/2023
Tel/Fax	: +66(0) 3897-3000/+66(0) 3897-3353	Report Date	: 21/06/2023

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	09/06/2023	Benzene	NIOSH 1501/GC FID	< 0.02	ND	1
	11:20-15:30	Toluene	NIOSH 1501/GC FID	< 0.02	ND	200
		Total xylene	NIOSH 1501/GC FID	< 0.03	ND	100

Analyst By: Sudaporn Soonthorn
(Miss Sudaporn Soonthorn)

Approved By: Narisa 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

Customer	: RND/SECOT Co., Ltd.	Request Service No.	: 0941/66
For	: PTT Global Chemical Public Co., Ltd (Branch 5 : Aromatics 2 Plant)	Sampling Date	: 09/06/2023
Address	: 96/9 Rayong Highway Road 3191, RIL Industrial Estate, Map Ta Phut, Muang Rayong, Rayong 21150	Received Date	: 12/06/2023
		Test Date	: 13/06/2023
Tel/Fax	: +66(0) 3897-3000/+66(0) 3897-3353	Report Date	: 21/06/2023

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	09/06/2023	NMHC	THC Analyzer / FID	< 0.05	1.25	-
	11:20-11:35					

Analyst By: Sudaporn Soonthorn
(Miss Sudaporn Soonthorn)

Approved By: Narisa 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

Customer	: RND/SECOT Co., Ltd.	Request Service No.	: 0212/66
For	: PTT Global Chemical Public Co.,Ltd. (Branch 5 : Aromatics 2 Plant)	Sampling Date	: 09-10/02/2023
Address	: 98/9 Rayong Highway Road 3191 , RIL Industrial Estate , Map Ta Phut , Muang Rayong , Rayong 21150 Thailand	Received Date	: 13/02/2023
		Test Date	: 16/02/2023
Tel/Fax	: 0-3899-4000 / 0-3899-4111	Report Date	: 22/02/2023

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 ppm	RESULT ppm	STANDARD ppm
ID. 26002425	09/02/2023	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Reformer 1	08.54-13.54	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
ID. 26002432	09/02/2023	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Aromatic 1	09.15-13.15	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
ID. 26001157	09/02/2023	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Utility Field Operator	08.34-13.34	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
ID. 26008097	10/02/2023	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Laboratory Technician	08.52-13.40	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
ID. 26001486	10/02/2023	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Tank Farm	10.01-14.01	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100

Analyst By : Sudaporn Soonthorn
(Miss Sudaporn Soonthorn)

Approved By : Naris 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

Customer	: RND/SECOT Co., Ltd.	Request Service No.	: 0942/66
For	: PTT Global Chemical Public Co.,Ltd. (Branch 5 : Aromatics 2 Plant)	Sampling Date	: 08-09/06/2023
Address	: 98/9 Rayong Highway Road 3191 , RIL Industrial Estate , Map Ta Phut , Muang Rayong , Rayong 21150 Thailand	Received Date	: 12/06/2023
		Test Date	: 13/06/2023
Tel/Fax	: 0-3899-4000 / 0-3899-4111	Report Date	: 21/06/2023

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 ppm	RESULT ppm	STANDARD ppm
ID. 26006176	08/06/2023	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Reformer 1	08.56-12.56	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
ID. 26002460	08/06/2023	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Aromatic 1	09.13-13.13	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
ID. 26001271	08/06/2023	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Utility Field Operator	09.07-13.07	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
ID. 26001251	09/06/2023	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Laboratory Technician	07.34-11.34	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100
ID. 26002859	09/06/2023	Benzene	OSHA 1005/GC FID	< 0.04	ND	1
Area : Tank Farm	11.02-15.02	Toluene	OSHA 111/GC FID	< 0.04	ND	200
		Total xylene	OSHA 1002/GC FID	< 0.08	ND	100

Analyst By : Sudaporn Soonthorn
(Miss Sudaporn Soonthorn)

Approved By : Naris Poowasanpetch
(Miss Narisa Poowasanpetch)
Technical Management Team

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ภาคผนวก ง.9

ใบรับรองผลการตรวจวัดระดับเสียงภายในสถานประกอบการ





Noise Monitoring Result : Working Noise MTR-PTTGC 5

Location : Aromatics 1		Monitor Period : Jun 07, 2023	
SLM Model : SCARLET ST-21D		Serial No : 820723	
Site Operator : Mr. Thanawut Duansaeng			
Calibrator Model : Cirrus CR:515		Serial No : 94296	
Calibration Ref dB(A) : 94.0		Certified Date : Sep 12, 2022	
SLM Reading / Adjust dB(A) : 93.7/0.0		Expire Date : Sep 11, 2023	
Cal Sheet No.: CR-515-2023-079			
Time	Equivalent Sound Pressure Level (dB(A))		
	Jun 07, 2023		
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			
09:00 - 10:00		83.7	
10:00 - 11:00		81.8	
11:00 - 12:00		81.9	
12:00 - 13:00		81.8	
13:00 - 14:00		81.8	
14:00 - 15:00		81.5	
15:00 - 16:00		81.9	
16:00 - 17:00		81.8	
17:00 - 18:00			
18:00 - 19:00			
19:00 - 20:00			
20:00 - 21:00			
21:00 - 22:00			
22:00 - 23:00			
23:00 - 24:00			
Leq(8)*		82.1	
Lmax **		104.3	
Standard-8Hr		90 dB(A)	
Standard-Max		140 dB(A)	

Remark : * Average time between 09:00-17:00

** Maximum Sound Pressure Level between 09:00-17:00


(Miss Katesarin Vorradetwittaya)
Environmental Scientist


(Miss Sununta Sirawuttinanon)
Technical Management Team




Noise Monitoring Result : Working Noise MTR-PTTGC 5

Location : Reformer 1		Monitor Period : Jun 07, 2023		
SLM Model : SCARLET ST-21D		Serial No : 820725		
Site Operator : Mr. Thanawut Duansaeng				
Calibrator Model : Cirrus CR:515		Serial No : 94296		
Calibration Ref dB(A) : 94.0		Certified Date : Sep 12, 2022		
SLM Reading / Adjust dB(A) : 93.7/0.0		Expire Date : Sep 11, 2023		
Cal Sheet No.: CR-515-2023-079				
Time	Equivalent Sound Pressure Level (dB(A))			
	Jun 07, 2023			
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				
09:00 - 10:00				80.6
10:00 - 11:00				80.5
11:00 - 12:00				80.6
12:00 - 13:00				80.6
13:00 - 14:00				80.5
14:00 - 15:00				80.4
15:00 - 16:00				80.2
16:00 - 17:00				80.5
17:00 - 18:00				
18:00 - 19:00				
19:00 - 20:00				
20:00 - 21:00				
21:00 - 22:00				
22:00 - 23:00				
23:00 - 24:00				
Leq(8)*	80.5			
Lmax **	92.2			
Standard-8Hr	90 dB(A)			
Standard-Max	140 dB(A)			

Remark : * Average time between 09:00-17:00

** Maximum Sound Pressure Level between 09:00-17:00


(Miss Katesarin Vorradetwittaya)
Environmental Scientist


(Miss Sununta Sirawuttinanon)
Technical Management Team

ภาคผนวก ง.10

ใบรับรองผลการตรวจวัดปริมาณเสียงสะสมที่ตัวพนักงาน



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239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND
TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

NOISE MEASUREMENT REPORT : NOISE DOSE

CLIENT NAME	: PTT Global Chemical Public Co., Ltd.	REFERENCE NO.	: 223097/MON1H/Noise Dose/Jun
	: (Branch 5 : Aromatics 2 Plant)		
MEASUREMENT BY	: SECOT Co., Ltd.	INSTRUMENT	: Noise Dosimeter
MEASUREMENT DATE	: 07/06/2023	CALIBRATOR TYPE	: Cirrus RC:110A, Pulsar 22R
MEASUREMENT LOCATION	: PTTGC5 Plant	SERIAL NO.	: 95168, 79781
SITE OPERATOR	: Miss Marceyanee Hawae	CALIBRATOR REF.	: 114 dB @ 1kHz

USER NAME	AREA/PLANT	SOUND PRESSURE LEVEL (dB(A))		
		TWA (8-hr)	%DOSE	STANDARD *
ID:26002460	Aromatics 1	77.4	17.1	85.0
ID:26001411	Aromatics 2	78.6	23.0	85.0
ID:26002457	Aromatics 3	73.9	7.7	85.0
ID:26006176	Reformer 1	76.8	15.2	85.0
ID:26002425	Reformer 3	80.8	37.5	85.0
ID:26001379	Utility	73.6	7.2	85.0


(Miss Katesarin Vorradetwittaya)
Environmental Scientist


(Miss Sununta Sirawuttinanon)
Technical Management Team

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 - 3.* Notification of Department of Labour Protection and Welfare B.E.2561 (2018).
 4. Average sound pressure level not exceeding 85 dB(A) for working time of 8 hours per day.
 5. TWA means Time Weighted Average.