

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

ภาคผนวก ค-1

คุณภาพอากาศในบรรยากาศโดยทั่วไป



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498245
Date Received : Sep 20, 2024
Date Reported : Sep 26, 2024
Report Number : 3092622-1

Page 1 of 6

Sample Number 2498245-1
Sampled Date Sep 17, 2024
Sample Description Air Quality
Location หมู่บ้านคลองกรร (GPS 47P 0732006, 1400761)
Date Analysis Commenced Sep 23, 2024
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									
Benzene	17/09/24 - 18/09/24	ug/m3	0.05	0.16	0.51	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Propene (Propylene)	17/09/24 - 18/09/24	ug/m3	0.30	0.86	1.96	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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 : Sawai Tonpho

Remark :

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

Approved by

Chontichak

Chonticha Subongkoch
Scientist (3)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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 : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498245
Date Received : Sep 20, 2024
Date Reported : Sep 26, 2024
Report Number : 3092622-1

Page 2 of 6

Sample Number 2498245-2
Sampled Date Sep 18, 2024
Sample Description Air Quality
Location หมู่บ้านคลองกรร (GPS 47P 0732006, 1400761)
Date Analysis Commenced Sep 23, 2024
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									
Benzene	18/09/24 - 19/09/24	ug/m3	0.05	0.16	1.09	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Propene (Propylene)	18/09/24 - 19/09/24	ug/m3	0.30	0.86	3.55	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

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P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498245
Date Received : Sep 20, 2024
Date Reported : Sep 26, 2024
Report Number : 3092622-1

Page 3 of 6

Sample Number 2498245-3
Sampled Date Sep 19, 2024
Sample Description Air Quality
Location ท่าเทียบเรือโครงการ (GPS 47P 0732006, 1400761)
Date Analysis Commenced Sep 23, 2024
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									
Benzene	19/09/24 - 20/09/24	ug/m3	0.05	0.16	0.51	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Propene (Propylene)	19/09/24 - 20/09/24	ug/m3	0.30	0.86	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :
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Analysis / Test Report

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9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498245
Date Received : Sep 20, 2024
Date Reported : Sep 26, 2024
Report Number : 3092622-1

Page 4 of 6

Sample Number 2498245-4
Sampled Date Sep 17, 2024
Sample Description Air Quality
Location ท่าเทียบเรือโครงการ (GPS 47P 0732271, 1400840)
Date Analysis Commenced Sep 23, 2024
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									
Benzene	17/09/24 - 18/09/24	ug/m3	0.05	0.16	2.04	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Propene (Propylene)	17/09/24 - 18/09/24	ug/m3	0.30	0.86	<0.86	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :
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Sampled By : Sawai Tonpho

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498245
Date Received : Sep 20, 2024
Date Reported : Sep 26, 2024
Report Number : 3092622-1

Page 5 of 6

Sample Number 2498245-5
Sampled Date Sep 18, 2024
Sample Description Air Quality
Location ท่าเทียบเรือคลองโคกกรวด (GPS 47P 0732271, 1400840)
Date Analysis Commenced Sep 23, 2024
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									
Benzene	18/09/24 - 19/09/24	ug/m3	0.05	0.16	1.21	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Propene (Propylene)	18/09/24 - 19/09/24	ug/m3	0.30	0.86	5.03	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

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Sampled By : Sawai Tonpho

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498245
Date Received : Sep 20, 2024
Date Reported : Sep 26, 2024
Report Number : 3092622-1

Page 6 of 6

Sample Number 2498245-6
Sampled Date Sep 19, 2024
Sample Description Air Quality
Location ท่าเทียบเรือคลองโคกกรวด (GPS 47P 0732271, 1400840)
Date Analysis Commenced Sep 23, 2024
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									
Benzene	19/09/24 - 20/09/24	ug/m3	0.05	0.16	0.19	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Propene (Propylene)	19/09/24 - 20/09/24	ug/m3	0.30	0.86	1.86	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498243
Date Received : Sep 20, 2024
Date Reported : Sep 28, 2024
Report Number : 3092620-1

Page 1 of 6

Sample Number 2498243-1
Sampled Date Sep 17, 2024
Sample Description Air Quality
Location หน้าพื้นที่โครงการ (GPS 47P 0732006, 1400761)
Date Analysis Commenced Sep 21, 2024
Condition of Sample Drawn into two sorbent tubes, refrigerated
Barometric Pressure 753 mmHg
Atmospheric Temperature 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Propylene Oxide	17/09/24 - 18/09/24	ug/m3	1.2	14	Not Detected	Based on NIOSH, 1612	Bangkok

Sampled By : Sawai Tonpho

Remark :

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Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498243
Date Received : Sep 20, 2024
Date Reported : Sep 28, 2024
Report Number : 3092620-1

Page 2 of 6

Sample Number 2498243-2
Sampled Date Sep 18, 2024
Sample Description Air Quality
Location หน้าพื้นที่โครงการ (GPS 47P 0732006, 1400761)
Date Analysis Commenced Sep 21, 2024
Condition of Sample Drawn into two sorbent tubes, refrigerated
Barometric Pressure 753 mmHg
Atmospheric Temperature 27.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Propylene Oxide	18/09/24 - 19/09/24	ug/m3	1.2	14	Not Detected	Based on NIOSH, 1612	Bangkok

Sampled By : Sawai Tonpho

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498243
Date Received : Sep 20, 2024
Date Reported : Sep 28, 2024
Report Number : 3092620-1

Page 3 of 6

Sample Number : 2498243-3
Sampled Date : Sep 19, 2024
Sample Description : Air Quality
Location : ท่าเทียบเรือโครงการ (GPS 47P 0732006, 1400761)
Date Analysis Commenced : Sep 21, 2024
Condition of Sample : Drawn into two sorbent tubes, refrigerated
Barometric Pressure : 753 mmHg
Atmospheric Temperature : 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Propylene Oxide	19/09/24 - 20/09/24	ug/m3	1.2	14	Not Detected	Based on NIOSH, 1612	Bangkok

Sampled By : Sawai Tonpho

Remark :

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498243
Date Received : Sep 20, 2024
Date Reported : Sep 28, 2024
Report Number : 3092620-1

Page 4 of 6

Sample Number : 2498243-4
Sampled Date : Sep 17, 2024
Sample Description : Air Quality
Location : ท่าเทียบเรือโครงการ (GPS 47P 0732271, 1400840)
Date Analysis Commenced : Sep 21, 2024
Condition of Sample : Drawn into two sorbent tubes, refrigerated
Barometric Pressure : 753 mmHg
Atmospheric Temperature : 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Propylene Oxide	17/09/24 - 18/09/24	ug/m3	1.2	14	Not Detected	Based on NIOSH, 1612	Bangkok

Sampled By : Sawai Tonpho

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Client : Rayong Terminal Co., Ltd.
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P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498243
Date Received : Sep 20, 2024
Date Reported : Sep 28, 2024
Report Number : 3092620-1

Page 5 of 6

Sample Number 2498243-5
Sampled Date Sep 18, 2024
Sample Description Air Quality
Location ท่าเทียบเรือของโครงการ (GPS 47P 0732271, 1400840)
Date Analysis Commenced Sep 21, 2024
Condition of Sample Drawn into two sorbent tubes, refrigerated
Barometric Pressure 753 mmHg
Atmospheric Temperature 27.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Propylene Oxide	18/09/24 - 19/09/24	ug/m3	1.2	14	Not Detected	Based on NIOSH, 1612	Bangkok

Sampled By : Sawai Tonpho

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Analysis / Test Report

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9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498243
Date Received : Sep 20, 2024
Date Reported : Sep 28, 2024
Report Number : 3092620-1

Page 6 of 6

Sample Number 2498243-6
Sampled Date Sep 19, 2024
Sample Description Air Quality
Location ท่าเทียบเรือของโครงการ (GPS 47P 0732271, 1400840)
Date Analysis Commenced Sep 21, 2024
Condition of Sample Drawn into two sorbent tubes, refrigerated
Barometric Pressure 753 mmHg
Atmospheric Temperature 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Propylene Oxide	19/09/24 - 20/09/24	ug/m3	1.2	14	Not Detected	Based on NIOSH, 1612	Bangkok

Sampled By : Sawai Tonpho

Remark :

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498244
Date Received : Sep 20, 2024
Date Reported : Sep 27, 2024
Report Number : 3092621-1

Page 1 of 2

Sample Number : 2498244-1 to 3
Parameter : Wind Speed / Wind Direction
Location : หน้าพื้นที่โครงการ (GPS 47P 0732006, 1400761)
Sampling Date : Sep 17 - Sep 20, 2024
Sampling by : Sawal Tonpho

Time	Sep 17 - Sep 18, 2024		Sep 18 - Sep 19, 2024		Sep 19 - Sep 20, 2024									
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)								
11:00 AM - 12:00 PM	1.9	333.0	NNW	0.9	206.0	SSW	0.8	306.0	NW	-	-	-	-	-
12:00 PM - 01:00 PM	1.0	284.0	WNW	1.4	299.0	WNW	1.0	314.0	NW	-	-	-	-	-
01:00 PM - 02:00 PM	1.7	247.0	WSW	3.9	229.0	SW	0.5	272.0	W	-	-	-	-	-
02:00 PM - 03:00 PM	1.4	292.0	WNW	2.3	191.0	S	0.3	220.0	SW	-	-	-	-	-
03:00 PM - 04:00 PM	1.1	240.0	WSW	1.8	249.0	WSW	0.5	346.0	NNW	-	-	-	-	-
04:00 PM - 05:00 PM	1.7	216.0	SW	0.6	281.0	W	1.1	282.0	WNW	-	-	-	-	-
05:00 PM - 06:00 PM	0.6	297.0	WNW	1.1	74.0	ENE	0.7	161.0	SSE	-	-	-	-	-
06:00 PM - 07:00 PM	0.4	270.0	W	0.3	144.0	SE	0.5	272.0	W	-	-	-	-	-
07:00 PM - 08:00 PM	0.3	309.0	NW	0.2	-	-	0.9	236.0	SW	-	-	-	-	-
08:00 PM - 09:00 PM	0.4	296.0	WNW	1.8	225.0	SW	0.2	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.2	-	-	1.9	304.0	NW	2.0	182.0	S	-	-	-	-	-
10:00 PM - 11:00 PM	0.6	312.0	NW	0.1	-	-	0.3	188.0	S	-	-	-	-	-
11:00 PM - 12:00 AM	0.2	-	-	0.6	290.0	WNW	0.3	202.0	SSW	-	-	-	-	-
12:00 AM - 01:00 AM	0.6	258.0	WSW	1.8	271.0	W	0.4	67.0	ENE	-	-	-	-	-
01:00 AM - 02:00 AM	1.5	268.0	W	0.9	290.0	WNW	1.3	289.0	WNW	-	-	-	-	-
02:00 AM - 03:00 AM	1.4	300.0	WNW	0.7	296.0	WNW	0.2	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.6	266.0	W	0.2	-	-	0.2	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	2.2	304.0	NW	0.8	271.0	W	0.7	278.0	W	-	-	-	-	-
05:00 AM - 06:00 AM	2.5	307.0	NW	0.3	300.0	WNW	0.9	252.0	WSW	-	-	-	-	-
06:00 AM - 07:00 AM	1.1	279.0	W	0.0	-	-	2.0	237.0	WSW	-	-	-	-	-
07:00 AM - 08:00 AM	0.4	259.0	W	0.0	-	-	1.1	254.0	WSW	-	-	-	-	-
08:00 AM - 09:00 AM	0.1	-	-	0.0	-	-	0.6	174.0	S	-	-	-	-	-
09:00 AM - 10:00 AM	1.1	269.0	W	1.3	299.0	WNW	0.8	185.0	S	-	-	-	-	-
10:00 AM - 11:00 AM	1.0	276.0	W	0.8	303.0	WNW	0.7	189.0	S	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

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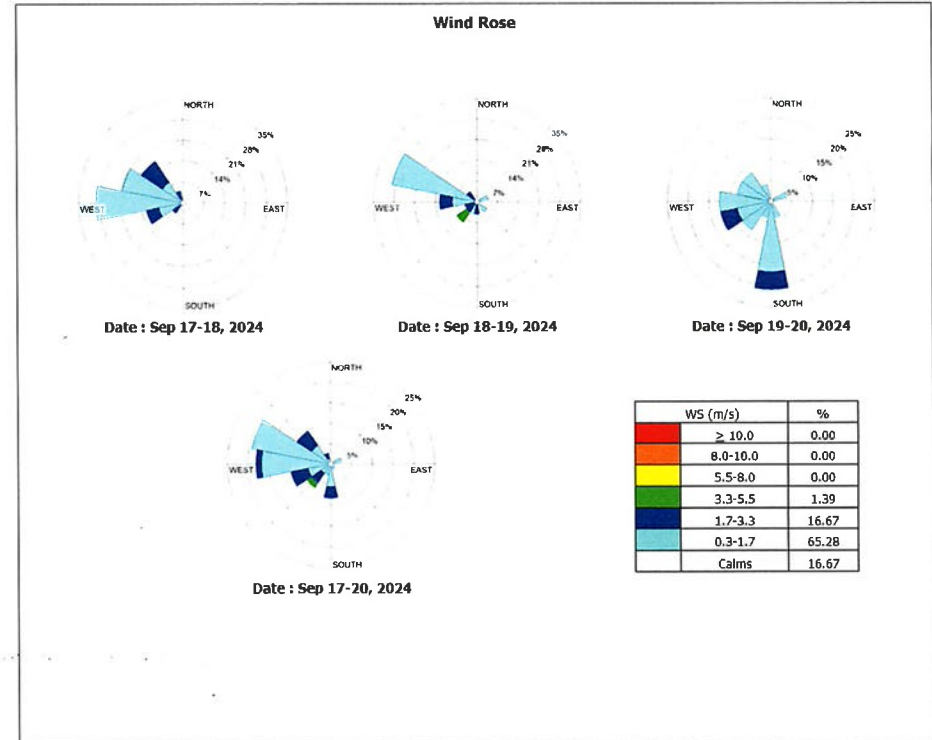
Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498244
Date Received : Sep 20, 2024
Date Reported : Sep 27, 2024
Report Number : 3092621-1

Page 2 of 2



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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 2498244
Date Received :Sep 20, 2024
Date Reported :Sep 27, 2024
Report Number :3092621-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Page 1 of 2

Sample Number : 2498244-4 to 6
Parameter : Wind Speed / Wind Direction
Location : ท่าเทียบเรือของโครงการ (GPS 47P 0732271, 1400840)
Sampling Date : Sep 17 - Sep 20, 2024
Sampling by : Sawal Tonpho

Time	Sep 17 - Sep 18, 2024		Sep 18 - Sep 19, 2024		Sep 19 - Sep 20, 2024							
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)						
11:00 AM - 12:00 PM	2.8	287.0	WNW	0.4	251.0	WSW	0.7	222.0	SW	-	-	-
12:00 PM - 01:00 PM	2.0	229.0	SW	0.0	-	-	0.9	219.0	SW	-	-	-
01:00 PM - 02:00 PM	0.0	-	-	2.5	142.0	SE	2.5	206.0	SSW	-	-	-
02:00 PM - 03:00 PM	1.9	253.0	WSW	0.0	-	-	0.4	191.0	S	-	-	-
03:00 PM - 04:00 PM	2.5	250.0	WSW	0.2	-	-	1.6	231.0	SW	-	-	-
04:00 PM - 05:00 PM	0.6	268.0	W	0.7	224.0	SW	1.8	204.0	SSW	-	-	-
05:00 PM - 06:00 PM	0.4	253.0	WSW	0.9	34.0	NE	2.8	208.0	SSW	-	-	-
06:00 PM - 07:00 PM	0.3	228.0	SW	1.1	29.0	NNE	0.0	-	-	-	-	-
07:00 PM - 08:00 PM	0.4	268.0	W	0.3	0.0	N	0.8	229.0	SW	-	-	-
08:00 PM - 09:00 PM	0.3	234.0	SW	0.7	266.0	W	0.0	-	-	-	-	-
09:00 PM - 10:00 PM	0.2	-	-	0.6	236.0	SW	0.8	150.0	SSE	-	-	-
10:00 PM - 11:00 PM	0.0	-	-	0.6	258.0	WSW	0.0	-	-	-	-	-
11:00 PM - 12:00 AM	0.8	255.0	WSW	0.3	293.0	WNW	0.7	209.0	SSW	-	-	-
12:00 AM - 01:00 AM	0.9	240.0	WSW	3.0	226.0	SW	0.6	165.0	SSE	-	-	-
01:00 AM - 02:00 AM	4.0	309.0	NW	1.6	269.0	W	0.4	245.0	WSW	-	-	-
02:00 AM - 03:00 AM	2.5	281.0	W	0.8	275.0	W	0.9	246.0	WSW	-	-	-
03:00 AM - 04:00 AM	4.7	300.0	WNW	1.5	260.0	W	0.9	224.0	SW	-	-	-
04:00 AM - 05:00 AM	2.6	262.0	W	0.0	-	-	0.4	191.0	S	-	-	-
05:00 AM - 06:00 AM	2.9	262.0	W	0.0	-	-	1.9	215.0	SW	-	-	-
06:00 AM - 07:00 AM	3.8	271.0	W	1.4	275.0	W	1.6	188.0	S	-	-	-
07:00 AM - 08:00 AM	2.7	274.0	W	0.0	-	-	0.5	263.0	W	-	-	-
08:00 AM - 09:00 AM	1.3	268.0	W	0.7	280.0	W	2.1	211.0	SSW	-	-	-
09:00 AM - 10:00 AM	0.6	283.0	WNW	0.6	245.0	WSW	1.4	196.0	SSW	-	-	-
10:00 AM - 11:00 AM	0.3	250.0	WSW	0.0	-	-	0.5	203.0	SSW	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jitranont
Assistant General Manager

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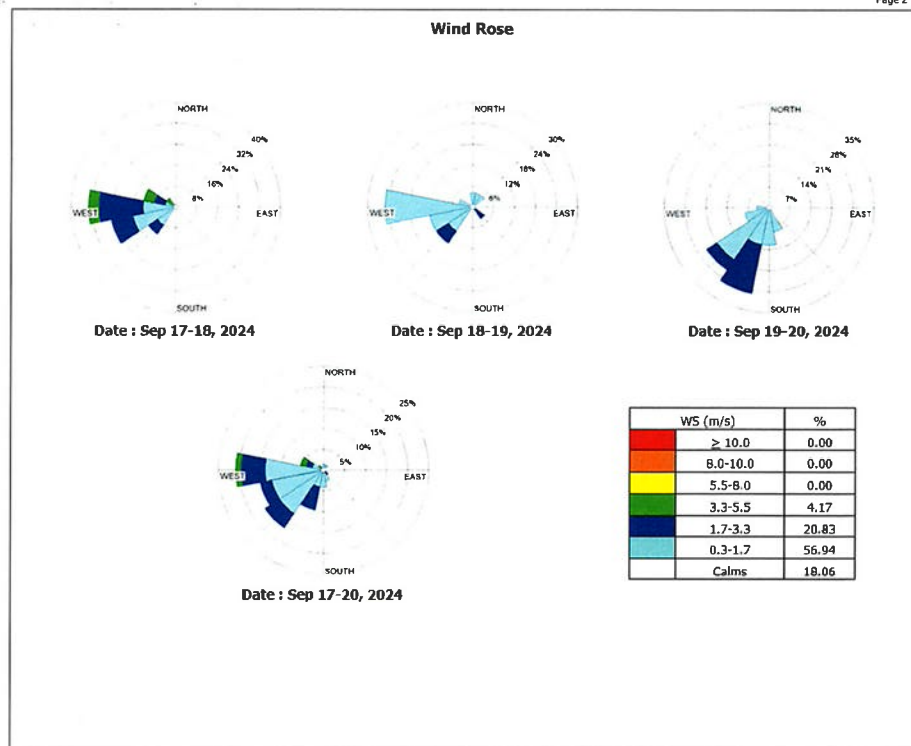
Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 2498244
Date Received :Sep 20, 2024
Date Reported :Sep 27, 2024
Report Number :3092621-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Page 2 of 2



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ภาคผนวก ค-2

สารประกอบอินทรีย์ระเหยง่าย



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2470283
Date Received : Jul 16, 2024
Date Reported : Jul 25, 2024
Report Number : 3030633-1

Page 1 of 1

Sample Number 2470283-1
Sampled Date Jul 15, 2024
Sample Description Air Quality
Location บริเวณจุดตรวจทางหลวง (GPS 47P 0729820, 1403299)
Date Analysis Commenced Jul 18, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 30.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Propylene Oxide	15/07/24 - 16/07/24	ug/m3	1.2	14	Not Detected	Based on NIOSH, 1612	Bangkok

Sampled By : Nantawat Sarin

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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0104-41/ EMAIL



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2470287
Date Received : Jul 16, 2024
Date Reported : Jul 25, 2024
Report Number : 3030639-1

Page 1 of 1

Sample Number 2470287-1
Sampled Date Jul 15, 2024
Sample Description Air Quality
Location บริเวณจุดตรวจทางหลวง (GPS 47P 0729820, 1403299)
Date Analysis Commenced Jul 17, 2024
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									
Benzene	15/07/24 - 16/07/24	ug/m3	0.05	0.16	0.51	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Propene (Propylene)	15/07/24 - 16/07/24	ug/m3	0.30	0.86	2.72	No Standard	Based on US EPA Compendium Method, TO-15	-	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 : Nantawat Sarin

Remark :

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

Approved by

Chonticha

Chonticha Subongkoch
Scientist (3)

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 2470285
Date Received :Jul 16, 2024
Date Reported :Jul 23, 2024
Report Number :3030637-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Sample Number : 2470285-1
Parameter : Wind Speed / Wind Direction
Location : บริเวณท่าเทียบเรือ (GPS 47P 0729820, 1403299)
Sampling Date : Jul 15 - Jul 16, 2024
Sampling by : Nantawat Sarin

Page 1 of 2

Time	Jul 15 - Jul 16, 2024		"		"		"		"		"		"		"	
	WS (m/s)	WD (deg)	"	"	"	"	"	"	"	"	"	"	"	"	"	"
11:00 AM - 12:00 PM	1.1	229.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.8	306.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	2.2	346.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.0	354.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.5	304.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.4	272.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.3	247.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.3	256.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.0	239.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.4	255.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.3	271.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.8	232.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	2.3	229.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	2.6	232.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

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Assistant General Manager

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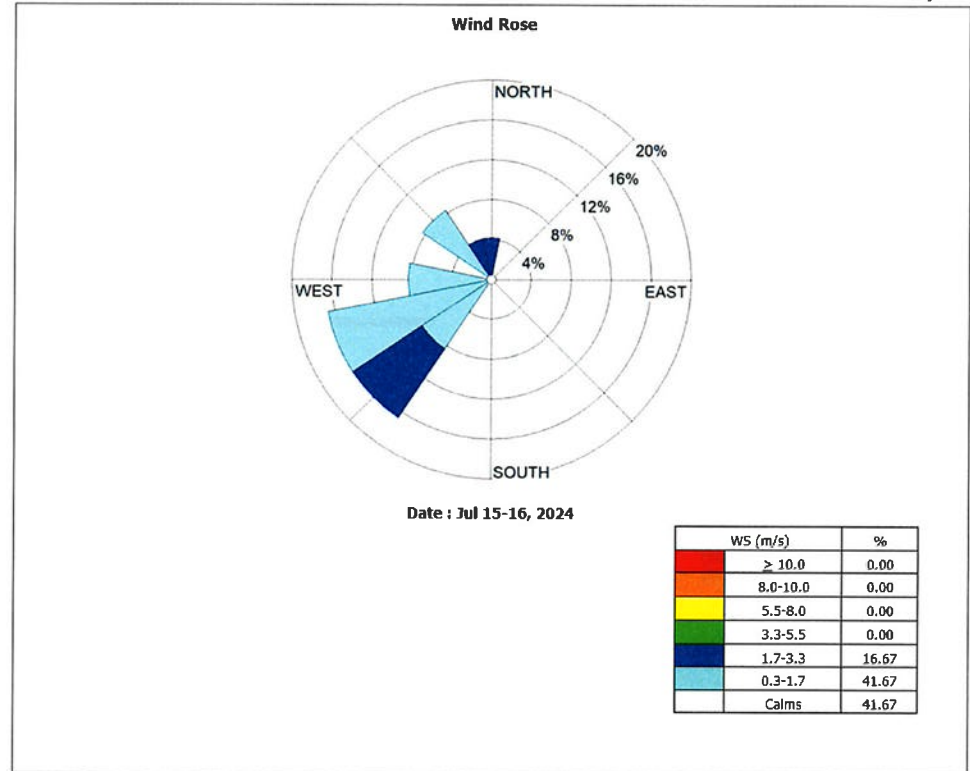
Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 2470285
Date Received :Jul 16, 2024
Date Reported :Jul 23, 2024
Report Number :3030637-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Page 2 of 2



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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2480146
Date Received : Aug 14, 2024
Date Reported : Aug 20, 2024
Report Number : 3053824-1

Page 1 of 1

Sample Number 2480146-1
Sampled Date Aug 13, 2024
Sample Description Air Quality
Location บริเวณชุมชนหนองแฟบ (GPS 47P 0729820, 1403299)
Date Analysis Commenced Aug 16, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 754 mmHg
Atmospheric Temperature 33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Propylene Oxide	13/08/24 - 14/08/24	ug/m3	1.2	14	Not Detected	Based on NIOSH, 1612	Bangkok

Sampled By : Sathapron Thakarw

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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8184-41/ EMAIL



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2480151
Date Received : Aug 14, 2024
Date Reported : Aug 22, 2024
Report Number : 3053832-1

Page 1 of 1

Sample Number 2480151-1
Sampled Date Aug 13, 2024
Sample Description Air Quality
Location บริเวณชุมชนหนองแฟบ (GPS 47P 0729820, 1403299)
Date Analysis Commenced Aug 16, 2024
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									
Benzene	13/08/24 - 14/08/24	ug/m3	0.05	0.16	0.38	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Propene (Propylene)	13/08/24 - 14/08/24	ug/m3	0.30	0.86	<0.86	No Standard	Based on US EPA Compendium Method, TO-15	-	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 : Sathapron Thakarw

Remark :

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

Approved by

Chonticha

Chonticha Subongkoch
Scientist (3)

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 2480148
Date Received : Aug 14, 2024
Date Reported : Aug 19, 2024
Report Number : 3053828-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Sample Number : 2480148-1
Parameter : Wind Speed / Wind Direction
Location : บริเวณท่าเทียบเรือฯ (GPS 47P 0729820, 1403299)
Sampling Date : Aug 13 - Aug 14, 2024
Sampling by : Sathaporn Thakarnw

Page 1 of 2

Time	Aug 13 - Aug 14, 2024		-		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	2.9	207.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.4	252.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	2.6	241.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.1	205.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	3.0	235.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.4	230.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.3	192.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.8	215.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.4	199.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.8	232.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	2.8	162.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.8	237.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.3	260.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.9	267.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.8	246.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.0	197.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.3	201.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.3	204.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranoit
Assistant General Manager

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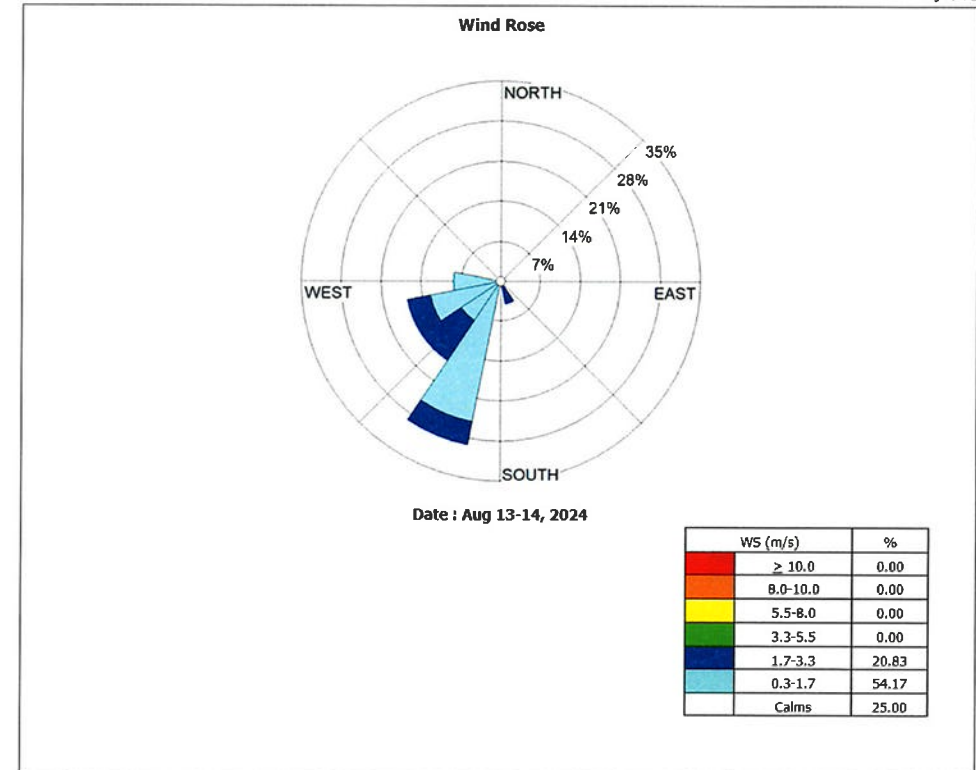
Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 2480148
Date Received : Aug 14, 2024
Date Reported : Aug 19, 2024
Report Number : 3053828-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Page 2 of 2



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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498246
Date Received : Sep 03, 2024
Date Reported : Sep 10, 2024
Report Number : 3092623-1

Page 1 of 1

Sample Number 2498246-1
Sampled Date Sep 02, 2024
Sample Description Air Quality
Location บริเวณเขตอุตสาหกรรม (GPS 47P 0729820, 1403299)
Date Analysis Commenced Sep 04, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Propylene Oxide	02/09/24 - 03/09/24	ug/m3	1.2	14	Not Detected	Based on NIOSH, 1612	Bangkok

Sampled By : Santi Chaichana

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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S:\Reports_Air_Working_HGL.rpt (4:55PM)

8184-41/ EMAIL



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498248
Date Received : Sep 03, 2024
Date Reported : Sep 11, 2024
Report Number : 3092625-1

Page 1 of 1

Sample Number 2498248-1
Sampled Date Sep 02, 2024
Sample Description Air Quality
Location บริเวณเขตอุตสาหกรรม (GPS 47P 0729820, 1403299)
Date Analysis Commenced Sep 05, 2024
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									
Benzene	02/09/24 - 03/09/24	ug/m3	0.05	0.16	0.77	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Propene (Propylene)	02/09/24 - 03/09/24	ug/m3	0.30	0.86	3.65	No Standard	Based on US EPA Compendium Method, TO-15	-	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 : Santi Chaichana

Remark :

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

Approved by

Chonticha

Chonticha Subongkoch
Scientist (3)

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 2498247
Date Received :Sep 03, 2024
Date Reported :Sep 06, 2024
Report Number :3092624-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Sample Number : 2498247-1
Parameter : Wind Speed / Wind Direction
Location : บริเวณท่าเทียบเรือ (GPS 47P 0729820, 1403299)
Sampling Date : Sep 02 - Sep 03, 2024
Sampling by : Santi Chaichana

Page 1 of 2

Time	Sep 02 - Sep 03, 2024		-		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.0	299.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.2	290.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.3	292.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.0	291.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.6	283.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.3	4.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.2	32.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	1.0	23.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	1.0	62.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.7	51.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	1.7	40.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.9	104.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.8	127.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.7	253.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.1	289.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.3	158.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.0	17.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.0	326.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.0	309.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.5	54.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.8	244.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.9	277.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.0	302.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.3	321.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jitranont
Assistant General Manager

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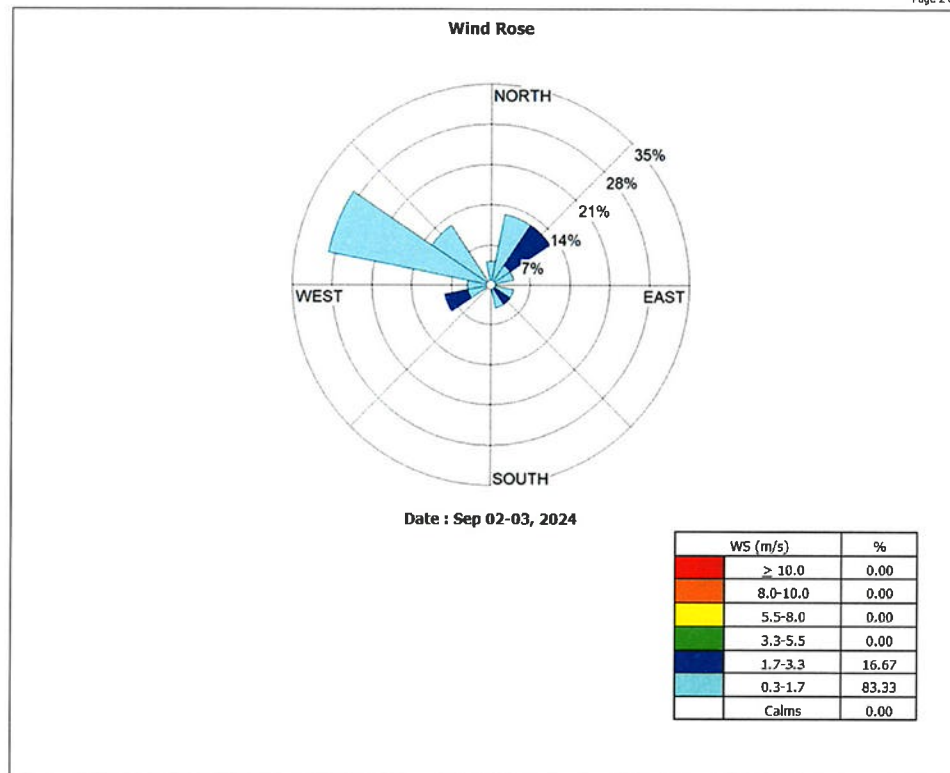
Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 2498247
Date Received :Sep 03, 2024
Date Reported :Sep 06, 2024
Report Number :3092624-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Page 2 of 2



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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 24108746
Date Received : Oct 23, 2024
Date Reported : Oct 29, 2024
Report Number : 3116677-1

Page 1 of 1

Sample Number 24108746-1
Sampled Date Oct 22, 2024
Sample Description Air Quality
Location บริเวณชุมชนหนองพูน (GPS 47P 0729820, 1403299)
Date Analysis Commenced Oct 24, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 31.6 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Propylene Oxide	22/10/24 - 23/10/24	ug/m3	1.2	14	Not Detected	Based on NIOSH, 1612	Bangkok

Sampled By : Siriwit Ruangsom

Remark :

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

Approved by

Orawan R.

Orawan Rak Yong
Scientist (3)

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S:\Reports\Air_Working_NGL.rpt (4:00PM)



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 24108749
Date Received : Oct 23, 2024
Date Reported : Oct 30, 2024
Report Number : 3116690-1

Page 1 of 1

Sample Number 24108749-1
Sampled Date Oct 22, 2024
Sample Description Air Quality
Location บริเวณชุมชนหนองพูน (GPS 47P 0729820, 1403299)
Date Analysis Commenced Oct 25, 2024
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									
Benzene	22/10/24 - 23/10/24	ug/m3	0.05	0.16	2.30	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Propene (Propylene)	22/10/24 - 23/10/24	ug/m3	0.30	0.86	11.43	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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 : Siriwit Ruangsom

Remark :

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

Approved by

Chonticha

Chonticha Subongkoch
Scientist (3)

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 24108748
Date Received :Oct 23, 2024
Date Reported :Oct 28, 2024
Report Number :3116685-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Sample Number : 24108748-1
Parameter : Wind Speed / Wind Direction
Location : บริษัท รทท. (GPS 47P 0729820, 1403299)
Sampling Date : Oct 22 - Oct 23, 2024
Sampling by : Siriwit Ruangsom

Page 1 of 2

Time	Oct 22 - Oct 23, 2024		-		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.3	322.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.2	320.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.0	37.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.5	330.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.3	330.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.3	322.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.5	325.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.1	330.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.2	325.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.0	295.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.5	284.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.6	255.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.3	269.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.8	304.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.2	311.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.1	322.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Assistant General Manager

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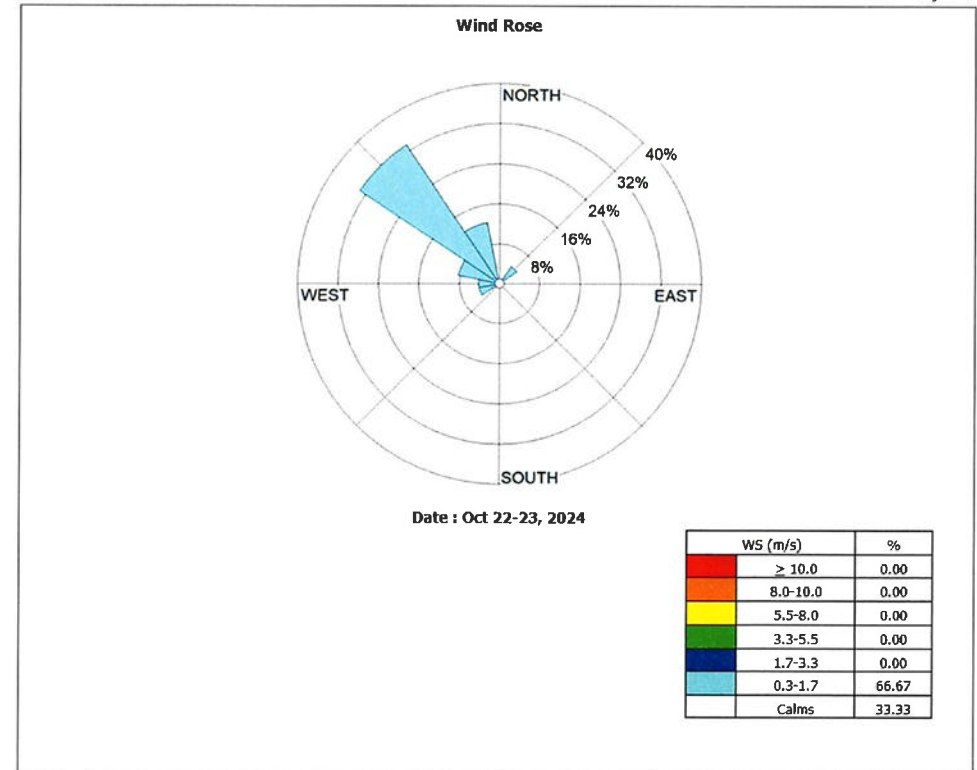
Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 24108748
Date Received :Oct 23, 2024
Date Reported :Oct 28, 2024
Report Number :3116685-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Page 2 of 2



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Assistant General Manager

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 24115767
Date Received : Nov 12, 2024
Date Reported : Nov 19, 2024
Report Number : 3131260-1

Page 1 of 1

Sample Number 24115767-1
Sampled Date Nov 11, 2024
Sample Description Air Quality
Location บริเวณถนนพหลโยธิน (GPS 47P 0729820, 1403299)
Date Analysis Commenced Nov 14, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Propylene Oxide	11/11/24 - 12/11/24	ug/m3	1.2	14	Not Detected	Based on NIOSH, 1612	Bangkok

Sampled By : Ronnachai Moungma

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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0104-41/ EMAIL

S:\Reports\Air_Working_NGL.rpt (5:02PM)



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 24115770
Date Received : Nov 12, 2024
Date Reported : Nov 20, 2024
Report Number : 3131268-1

Page 1 of 1

Sample Number 24115770-1
Sampled Date Nov 11, 2024
Sample Description Air Quality
Location บริเวณถนนพหลโยธิน (GPS 47P 0729820, 1403299)
Date Analysis Commenced Nov 14, 2024
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									
Benzene	11/11/24 - 12/11/24	ug/m3	0.05	0.16	2.62	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Propene (Propylene)	11/11/24 - 12/11/24	ug/m3	0.30	0.86	15.28	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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 : Ronnachai Moungma

Remark :

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

Approved by

Chonticha

Chonticha Subongkoch
Scientist (3)

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 24115769
Date Received :Nov 12, 2024
Date Reported :Nov 19, 2024
Report Number :3131263-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Sample Number : 24115769-1
Parameter : Wind Speed / Wind Direction
Location : บริเวณถนนพหลโยธิน (GPS 47P 0729820, 1403299)
Sampling Date : Nov 11 - Nov 12, 2024
Sampling by : Ronnachai Moungma

Time	Nov 11 - Nov 12, 2024													
	WS (m/s)	WD (deg)												
09:00 AM - 10:00 AM	1.0	359.0	N	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.3	359.0	N	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.7	359.0	N	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.2	345.0	NNW	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.5	359.0	N	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.8	50.0	NE	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.7	17.0	NNE	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.6	31.0	NNE	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.8	124.0	SE	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	1.1	13.0	NNE	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.8	2.0	N	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.7	6.0	N	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	1.4	188.0	S	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.4	240.0	WSW	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.7	254.0	WSW	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.4	228.0	SW	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.9	248.0	WSW	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.5	255.0	WSW	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.3	254.0	WSW	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.4	254.0	WSW	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.6	253.0	WSW	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.1	357.0	N	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.5	237.0	WSW	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.2	253.0	WSW	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

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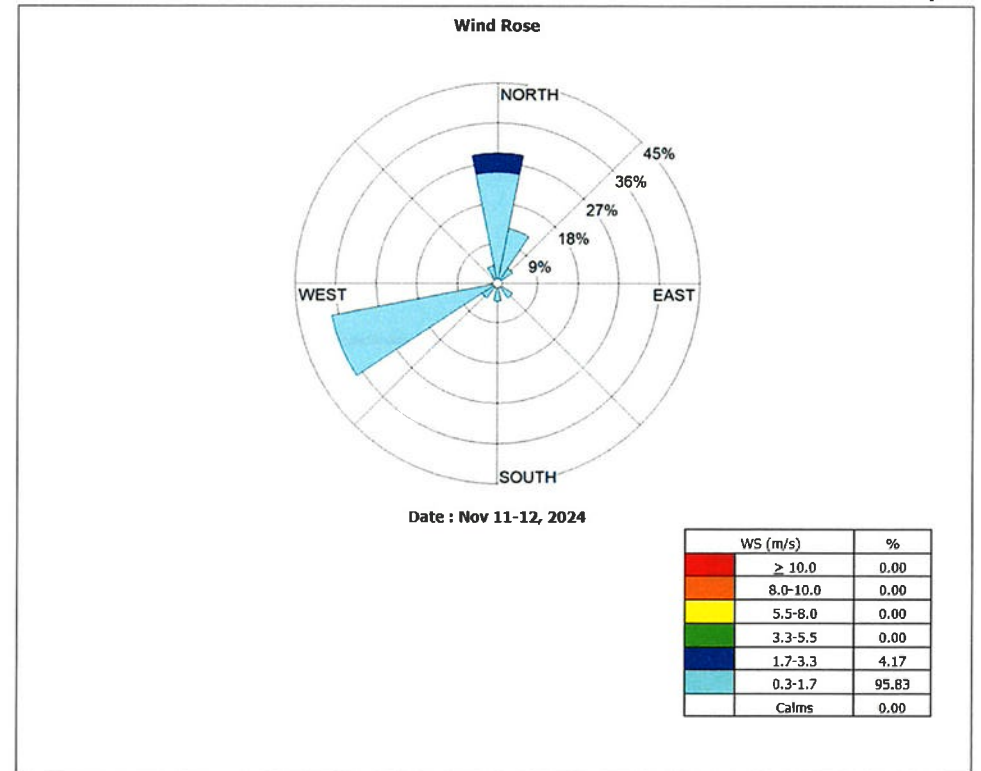


Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 24115769
Date Received :Nov 12, 2024
Date Reported :Nov 19, 2024
Report Number :3131263-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :



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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 24131815
Date Received : Dec 03, 2024
Date Reported : Dec 12, 2024
Report Number : 3171205-1

Page 1 of 1

Sample Number 24131815-1
Sampled Date Dec 02, 2024
Sample Description Air Quality
Location บริเวณจุดตรวจคุณภาพอากาศ (GPS 47P 0729820, 1403299)
Date Analysis Commenced Dec 04, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 28.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Propylene Oxide	02/12/24 - 03/12/24	ug/m3	1.2	14	Not Detected	Based on NIOSH, 1612	Bangkok

Sampled By : Sawai Tonpho

Remark :

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

Approved by

Orawan R.

Orawan Rak Yong
Scientist (3)

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8184-41/ EMAIL



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 24131819
Date Received : Dec 03, 2024
Date Reported : Dec 10, 2024
Report Number : 3171208-1

Page 1 of 1

Sample Number 24131819-1
Sampled Date Dec 02, 2024
Sample Description Air Quality
Location บริเวณจุดตรวจคุณภาพอากาศ (GPS 47P 0729820, 1403299)
Date Analysis Commenced Dec 04, 2024
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									
Benzene	02/12/24 - 03/12/24	ug/m3	0.05	0.16	3.64	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Propene (Propylene)	02/12/24 - 03/12/24	ug/m3	0.30	0.86	5.09	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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 : Sawai Tonpho

Remark :

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

Approved by

Chonticha S.

Chonticha Subongkoch
Scientist (3)

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 24131816
Date Received :Dec 03, 2024
Date Reported :Dec 11, 2024
Report Number :3171207-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Sample Number 24131816-1
Parameter Wind Speed / Wind Direction
Location บริเวณถนนพหลโยธิน (GPS 47P 0729820, 1403299)
Sampling Date Dec 02 - Dec 03, 2024
Sampling by Sawai Tonpho

Page 1 of 2

Time	Dec 02 - Dec 03, 2024		-		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.5	62.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.2	234.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.9	185.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.5	260.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.8	253.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.4	237.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.6	231.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.6	30.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.6	40.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.7	51.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.9	41.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.5	65.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.5	37.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.9	300.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.8	34.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.3	73.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.3	45.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.2	22.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.3	103.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.2	79.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.0	41.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jitranont
Assistant General Manager

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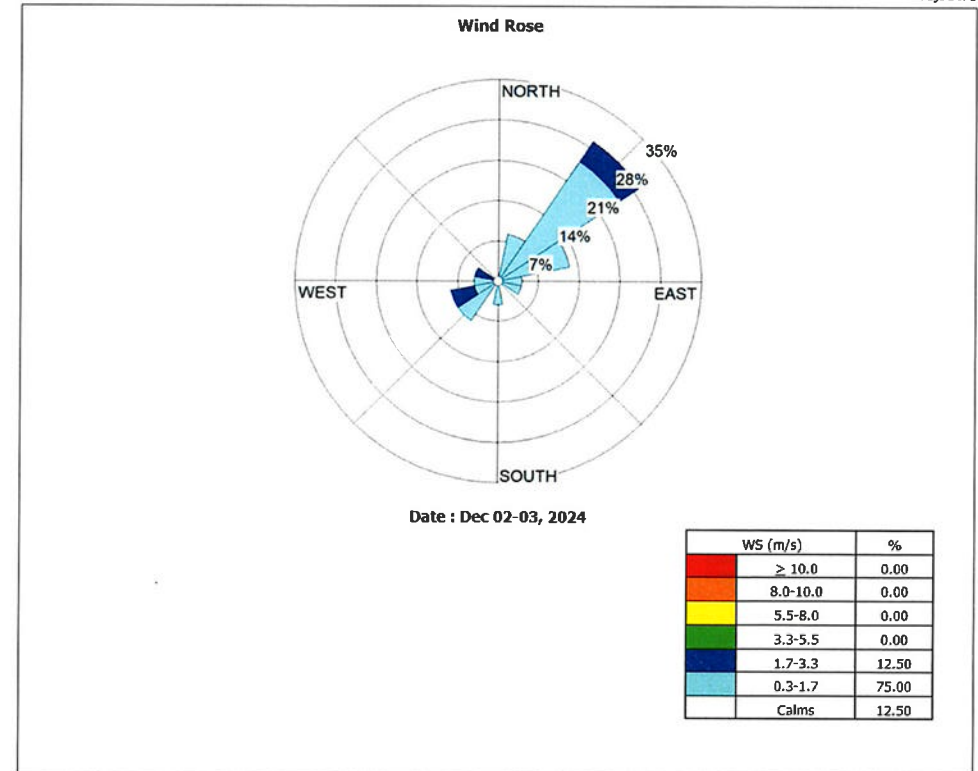
Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

Lot ID: 24131816
Date Received :Dec 03, 2024
Date Reported :Dec 11, 2024
Report Number :3171207-1

P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Page 2 of 2



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Assistant General Manager

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ระดับเสียงโดยทั่วไป



Analysis / Test Report



TESTING
No.0042

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498249
Date Received : Sep 20, 2024
Date Reported : Sep 24, 2024
Report Number: 3120338-1

Page 1 of 1

Sample Number	2498249-1		
Parameter	Noise (Leq 24 hrs.)		
Location	หน้าพื้นที่โครงการ (GPS 47P 0731982, 1400805)		
Measurement Date	Sep 17 - Sep 18, 2024		
Measurement by	Sawai Tonpho		
Sound Level meter	Serial No. 900073		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.1	77.8	51.0
11:00 AM - 12:00 PM	57.9	79.1	49.3
12:00 PM - 01:00 PM	56.5	77.2	48.1
01:00 PM - 02:00 PM	57.2	81.1	50.3
02:00 PM - 03:00 PM	56.6	76.7	49.8
03:00 PM - 04:00 PM	56.4	77.0	49.1
04:00 PM - 05:00 PM	59.1	87.7	49.7
05:00 PM - 06:00 PM	56.9	83.2	48.3
06:00 PM - 07:00 PM	55.4	79.4	46.3
07:00 PM - 08:00 PM	60.6	86.4	45.6
08:00 PM - 09:00 PM	53.1	76.5	44.8
09:00 PM - 10:00 PM	47.8	69.7	45.0
10:00 PM - 11:00 PM	53.1	81.9	44.2
11:00 PM - 12:00 AM	48.3	68.7	44.9
12:00 AM - 01:00 AM	48.6	74.4	45.1
01:00 AM - 02:00 AM	50.1	78.1	46.0
02:00 AM - 03:00 AM	48.9	67.3	47.0
03:00 AM - 04:00 AM	52.3	71.4	48.5
04:00 AM - 05:00 AM	50.4	72.9	48.0
05:00 AM - 06:00 AM	54.4	79.2	48.5
06:00 AM - 07:00 AM	57.7	81.5	50.0
07:00 AM - 08:00 AM	61.2	85.2	51.0
08:00 AM - 09:00 AM	59.1	81.8	50.5
09:00 AM - 10:00 AM	58.4	80.7	50.4
Leq Average 24 hrs. (dB(A))	56.4		
Lmax (dB(A))		87.7	
L90 (dB(A))			48.3
Ldn (dB(A))	60.3		
Standard (dB(A))	70	115	
Reference Method : ISO1996-1 and 1996-2			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ			
โรงงาน พ.ศ. 2548			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot S
Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (3:40PM)

8184-41/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498249
Date Received : Sep 20, 2024
Date Reported : Sep 24, 2024
Report Number: 3120339-1

Page 1 of 1

Sample Number	2498249-2		
Parameter	Noise (Leq 24 hrs.)		
Location	หน้าพื้นที่โครงการ (GPS 47P 0731982, 1400805)		
Measurement Date	Sep 18 - Sep 19, 2024		
Measurement by	Sawai Tonpho		
Sound Level meter	Serial No. 900073		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.2	81.4	51.4
11:00 AM - 12:00 PM	58.2	80.5	48.0
12:00 PM - 01:00 PM	58.2	81.7	47.9
01:00 PM - 02:00 PM	55.9	78.6	49.1
02:00 PM - 03:00 PM	59.1	82.4	50.7
03:00 PM - 04:00 PM	57.0	82.2	48.4
04:00 PM - 05:00 PM	59.8	84.5	49.9
05:00 PM - 06:00 PM	57.9	80.0	50.8
06:00 PM - 07:00 PM	57.3	79.6	48.7
07:00 PM - 08:00 PM	59.6	83.8	46.8
08:00 PM - 09:00 PM	55.1	79.1	45.6
09:00 PM - 10:00 PM	71.4	82.9	48.6
10:00 PM - 11:00 PM	66.0	75.4	61.2
11:00 PM - 12:00 AM	60.4	72.7	59.6
12:00 AM - 01:00 AM	59.8	78.2	58.8
01:00 AM - 02:00 AM	58.8	72.7	57.9
02:00 AM - 03:00 AM	58.2	67.8	57.1
03:00 AM - 04:00 AM	57.9	68.7	56.5
04:00 AM - 05:00 AM	57.9	71.5	54.9
05:00 AM - 06:00 AM	58.7	73.5	55.7
06:00 AM - 07:00 AM	59.4	80.9	53.7
07:00 AM - 08:00 AM	59.4	79.0	53.5
08:00 AM - 09:00 AM	61.9	83.0	56.7
09:00 AM - 10:00 AM	59.7	82.7	53.7
Leq Average 24 hrs. (dB(A))	61.6		
Lmax (dB(A))		84.5	
L90 (dB(A))			51.4
Ldn (dB(A))	67.2		
Standard (dB(A))	70	115	
Reference Method : ISO1996-1 and 1996-2			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ			
โรงงาน พ.ศ. 2548			
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.			

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot S
Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (3:41PM)



Analysis / Test Report



TESTING
No.0042

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498249
Date Received : Sep 20, 2024
Date Reported : Sep 24, 2024
Report Number: 3120340-1

Page 1 of 1

Sample Number 2498249-3
Parameter Noise (Leq 24 hrs.)
Location หน้าพื้นที่โครงการ (GPS 47P 0731982, 1400805)
Measurement Date Sep 19 - Sep 20, 2024
Measurement by Sawai Tonpho
Sound Level meter Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.1	81.8	53.2
11:00 AM - 12:00 PM	60.8	89.8	50.6
12:00 PM - 01:00 PM	55.9	79.5	47.8
01:00 PM - 02:00 PM	56.9	85.6	49.9
02:00 PM - 03:00 PM	56.2	78.2	50.6
03:00 PM - 04:00 PM	56.5	79.7	50.4
04:00 PM - 05:00 PM	59.3	82.0	51.9
05:00 PM - 06:00 PM	58.7	82.8	49.1
06:00 PM - 07:00 PM	56.4	75.9	47.6
07:00 PM - 08:00 PM	59.0	85.9	46.8
08:00 PM - 09:00 PM	53.6	79.1	46.9
09:00 PM - 10:00 PM	51.3	72.9	46.6
10:00 PM - 11:00 PM	50.4	70.9	45.5
11:00 PM - 12:00 AM	49.5	71.5	45.7
12:00 AM - 01:00 AM	50.5	68.9	46.8
01:00 AM - 02:00 AM	51.3	71.5	46.7
02:00 AM - 03:00 AM	50.2	70.1	46.3
03:00 AM - 04:00 AM	48.4	67.3	45.7
04:00 AM - 05:00 AM	50.4	80.1	45.9
05:00 AM - 06:00 AM	52.7	78.7	46.1
06:00 AM - 07:00 AM	57.2	75.1	48.7
07:00 AM - 08:00 AM	60.0	88.4	49.6
08:00 AM - 09:00 AM	62.9	90.8	54.9
09:00 AM - 10:00 AM	63.3	100.6	53.3

Leq Average 24 hrs. (dB(A)) 57.5
Lmax (dB(A)) 100.6
L90 (dB(A)) 47.6
Ldn (dB(A)) 60.4
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chontichok

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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ภาคผนวก ค-4

คุณภาพน้ำทะเล



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 24108757
Date Received : Oct 17, 2024
Date Reported : Oct 24, 2024
Report Number : 3116701-1

Page 1 of 2

Sample Number	24108757-1						
Sampled Date	Oct 17, 2024 10:00 AM						
Sample Description	Sea Water						
Location	บริเวณห่างจากจุดระบายน้ำทิ้งของโครงการทางทิศใต้ในระยะ 500 เมตร						
Date Analysis Commenced	Oct 17, 2024						
Condition of Sample	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	CFU/100mL	-	-	<1	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9222 D	Bangkok
Total Coliform	MPN/100mL	-	-	7.8	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Depth *	m	-	-	10.2	No Standard	Water Level Meter	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok
pH at 25 degree C *		-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Salinity *	ppt	-	0.1	30.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature *	Degree C	-	-	33.4	Change from natural condition not more than 2 degree C	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	2	3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong
Transparency *	m	-	-	3.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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.

Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 24108757
Date Received : Oct 17, 2024
Date Reported : Oct 24, 2024
Report Number : 3116701-1

Page 2 of 2

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Wanlop Hunchainaow

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
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Approved by

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ภาคผนวก ค-5

คุณภาพน้ำทิ้ง

คุณภาพน้ำทิ้งบริเวณพื้นที่ 33 ไร่



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :



TESTING
No.0042
Lot ID: 2486990
Date Received : Jul 31, 2024
Date Reported : Aug 07, 2024
Report Number : 3068399-1

Page 1 of 1

Sample Number	2486990-1
Sampled Date	Jul 31, 2024 9:40 AM
Sample Description	Wastewater
Location	ปล่องระบายน้ำฝั่ง 33 ไร่
Date Analysis Commenced	Jul 31, 2024
Condition of Sample	Contained in two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	30.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	7	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ร-323-ร-9457 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ร-204-ร-0002

Remark :

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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ร-323-ร-9446

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ร-323-ร-9442

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2486990
Date Received : Jul 31, 2024
Date Reported : Aug 07, 2024
Report Number : 3068399-2

Page 1 of 1

Sample Number	2486990-1
Sampled Date	Jul 31, 2024 9:40 AM
Sample Description	Wastewater
Location	ปล่องระบายน้ำฝั่ง 33 ไร่
Date Analysis Commenced	Aug 02, 2024
Condition of Sample	Contained in two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ร-323-ร-9457 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ร-204-ร-0002

Remark :

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

Technical Management

Siriluk P.

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ร-204-ร-0013

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ร-204-ร-0004

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S:\Report\All_GL.rpt (10:58AM)



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2486990
Date Received : Jul 31, 2024
Date Reported : Aug 07, 2024
Report Number : 3068399-3

Page 1 of 1

Sample Number	2486990-1
Sampled Date	Jul 31, 2024 9:40 AM
Sample Description	Wastewater
Location	ปล่องรวมน้ำทิ้ง 33 14
Date Analysis Commenced	Aug 01, 2024
Condition of Sample	Contained in two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	110000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	220000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
Total Petroleum Hydrocarbon *	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 F	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :

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Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

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S:\Reports\AL\GL.rpt (5:57PM)



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :



TESTING
No.0042
Lot ID: 2480152
Date Received : Aug 08, 2024
Date Reported : Aug 19, 2024
Report Number : 3053838-1 C1

Page 1 of 1

Sample Number	2480152-1
Sampled Date	Aug 08, 2024 9:30 AM
Sample Description	Wastewater
Location	ปล่องรวมน้ำทิ้ง 33 14
Date Analysis Commenced	Aug 08, 2024
Condition of Sample	Contained in two amber glass bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	0.2	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	30.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ร-323-ก-0038 , Thanasoun Namakunna ทะเบียนเลขที่ ร-204-ก-0101

Remark :

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Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ร-323-ก-0028

Approved by

Dej Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ร-323-ก-0001

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2480152
Date Received : Aug 08, 2024
Date Reported : Aug 19, 2024
Report Number : 3053838-2 C1

Page 1 of 1

Sample Number	2480152-1
Sampled Date	Aug 08, 2024 9:30 AM
Sample Description	Wastewater
Location	ปล่องระบายน้ำทั้ง 33 ไร่
Date Analysis Commenced	Aug 13, 2024
Condition of Sample	Contained in two amber glass bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

Guideline : Effluent standard for factories, Industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchainaoow พระเชษฐา วัชร-323-จ-0038 , Thanasoun Namakunna พระเชษฐา วัชร-204-จ-0101

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

Technical Management

Siriluk P.

Siriluk Bunnak
Section Head
พระเชษฐา วัชร-204-จ-0013

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
พระเชษฐา วัชร-204-จ-0004

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2480152
Date Received : Aug 08, 2024
Date Reported : Aug 19, 2024
Report Number : 3053838-3 C1

Page 1 of 1

Sample Number	2480152-1
Sampled Date	Aug 08, 2024 9:30 AM
Sample Description	Wastewater
Location	ปล่องระบายน้ำทั้ง 33 ไร่
Date Analysis Commenced	Aug 09, 2024
Condition of Sample	Contained in two amber glass bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	33000.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	49000.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

Water Testing

Total Petroleum Hydrocarbon *	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 F	Rayong
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Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wanlop Hunchainaoow , Thanasoun Namakunna

Remark :
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0184-41/ EMAIL



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :



TESTING
No.0042
Lot ID: 2498250
Date Received : Sep 10, 2024
Date Reported : Sep 19, 2024
Report Number : 3115729-1 C1

Page 1 of 1

Sample Number	2498250-1
Sampled Date	Sep 10, 2024 2:03 PM
Sample Description	Wastewater
Location	ปล่องระบายน้ำห้อง 33 14
Date Analysis Commenced	Sep 10, 2024
Condition of Sample	Contained in two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.9	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, Industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : This Analysis test report is reissued to supersede report No.3092627-3, Date Reported : Sep 17, 2024 due to revise analytical information.

Sampling By : Paramet Sattayakun ทะเบียนเลขที่ 7-323-จ-0051 , Nachakorn Hansa ทะเบียนเลขที่ 7-204-จ-0187

Remark :

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Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ 7-323-จ-0028

Approved by

Dej Changchon

Senior Manager

ทะเบียนเลขที่ 7-323-จ-0001

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498250
Date Received : Sep 10, 2024
Date Reported : Sep 19, 2024
Report Number : 3115729-2 C1

Page 1 of 1

Sample Number	2498250-1
Sampled Date	Sep 10, 2024 2:03 PM
Sample Description	Wastewater
Location	ปล่องระบายน้ำห้อง 33 14
Date Analysis Commenced	Sep 12, 2024
Condition of Sample	Contained in two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

Guideline : Effluent standard for factories, Industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : This Analysis test report is reissued to supersede report No.3092627-3, Date Reported : Sep 17, 2024 due to revise analytical information.

Sampling By : Paramet Sattayakun ทะเบียนเลขที่ 7-323-จ-0051 , Nachakorn Hansa ทะเบียนเลขที่ 7-204-จ-0187

Remark :

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

Technical Management

Siriluk P.

Siriluk Bunnak

Section Head

ทะเบียนเลขที่ 7-204-จ-0013

Approved by

Kanokkorn Anek

Assistant General Manager

ทะเบียนเลขที่ 7-204-จ-0004

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P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2498250
Date Received : Sep 10, 2024
Date Reported : Sep 23, 2024
Report Number : 3115729-3 C1

Page 1 of 1

Sample Number	2498250-1
Sampled Date	Sep 10, 2024 2:03 PM
Sample Description	Wastewater
Location	ปลารวมหน้าฟุ้ง 33 ไร่
Date Analysis Commenced	Sep 11, 2024
Condition of Sample	Contained in two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	79.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	130.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
Total Petroleum Hydrocarbon *	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 F	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : This Analysis test report is resuissed to supersede report No.3092627-3, Date Reported : Sep 17, 2024 due to revise analytical Information.

Sampling By : Paramet Sattayakun , Nachakorn Hansa

Remark :

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Approved by

Suwannee Chuamkeaw
Section Head

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P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :



TESTING
No.0042
Lot ID: 24108766
Date Received : Oct 01, 2024
Date Reported : Oct 10, 2024
Report Number : 3116715-1 C1

Page 1 of 1

Sample Number	24108766-1
Sampled Date	Oct 01, 2024 10:05 AM
Sample Description	Wastewater
Location	ปลารวมหน้าฟุ้ง 33 ไร่
Date Analysis Commenced	Oct 01, 2024
Condition of Sample	Contained in two amber glass bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.9	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	5	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wasan Kinunti ทะเบียนเลขที่ 7-323-ก-0019 , Thanasoun Namakunna ทะเบียนเลขที่ 7-204-ก-0101

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Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ 7-323-ก-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 7-323-ก-0001

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P/O : PMM-23-19

Project Name : EIA Monitoring

Project Location:

Lot ID: 24108766

Date Received : Oct 01, 2024

Date Reported : Oct 10, 2024

Report Number : 3116715-2 C1

Page 1 of 1

Sample Number	24108766-1
Sampled Date	Oct 01, 2024 10:05 AM
Sample Description	Wastewater
Location	โรงรวบรวมน้ำทิ้ง 33 ไร่
Date Analysis Commenced	Oct 03, 2024
Condition of Sample	Contained in two amber glass bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

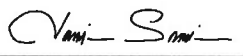
Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wasan Kinunti ทะเบียนเลขที่ 7-323-ก-0019 , Thanasoun Namakunna ทะเบียนเลขที่ 7-204-ก-0101

Remark :

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

Technical Management

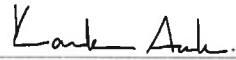


Narin Saiseng

Supervisor

ทะเบียนเลขที่ 7-204-ก-0009

Approved by



Kanokkorn Anek

Assistant General Manager

ทะเบียนเลขที่ 7-204-ก-0004

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P/O : PMM-23-19

Project Name : EIA Monitoring

Project Location:



TESTING

No.0009

Lot ID: 24108766

Date Received : Oct 01, 2024

Date Reported : Oct 10, 2024

Report Number : 3116715-3 C1

Page 1 of 1

Sample Number	24108766-1
Sampled Date	Oct 01, 2024 10:05 AM
Sample Description	Wastewater
Location	โรงรวบรวมน้ำทิ้ง 33 ไร่
Date Analysis Commenced	Oct 02, 2024
Condition of Sample	Contained in two amber glass bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok

Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
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Water Testing

Total Petroleum Hydrocarbon *	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 F	Rayong
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Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wasan Kinunti , Thanasoun Namakunna

Remark :

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Approved by



Sithichok Thongnguen

Scientist (3)



Analysis / Test Report



TESTING
No.0042
Lot ID: 24115773
Date Received : Nov 07, 2024
Date Reported : Nov 15, 2024
Report Number : 3131271-1 C1

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location:

Page 1 of 1

Sample Number 24115773-1
Sampled Date Nov 07, 2024 11:13 AM
Sample Description Wastewater
Location ปลายถนนน้ำทิ้ง 33 ไร่
Date Analysis Commenced Nov 07, 2024
Condition of Sample Contained in two amber glass bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Phongthep Siththiloh ทะเบียนเลขที่ ร-323-ก-0023 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ร-204-ก-0001

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Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ร-323-ก-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ร-323-ก-0001

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Analysis / Test Report

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P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location:

Page 1 of 1

Sample Number 24115773-1
Sampled Date Nov 07, 2024 11:13 AM
Sample Description Wastewater
Location ปลายถนนน้ำทิ้ง 33 ไร่
Date Analysis Commenced Nov 09, 2024
Condition of Sample Contained in two amber glass bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Phongthep Siththiloh ทะเบียนเลขที่ ร-323-ก-0023 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ร-204-ก-0001

Remark :
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Technical Management

Siriluk P.

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ร-204-ก-0013

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ร-204-ก-0004

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P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location:



TESTING
No.0009
Lot ID: 24115773
Date Received : Nov 07, 2024
Date Reported : Nov 15, 2024
Report Number : 3131271-3 C1

Page 1 of 1

Sample Number	24115773-1						
Sampled Date	Nov 07, 2024 11:13 AM						
Sample Description	Wastewater						
Location	ปล่องระบายน้ำห้อง 33 14						
Date Analysis Commenced	Nov 08, 2024						
Condition of Sample	Contained In two amber glass bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	330.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	490.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Total Petroleum Hydrocarbon *	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 F	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Phongthep Sitthiloh , Kardbundit Kitisupavanit

Remark :
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Sithichok T.

Sithichok Thongnguen
Scientist (3)

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P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location:



TESTING
No.0042
Lot ID: 24131821
Date Received : Dec 03, 2024
Date Reported : Dec 12, 2024
Report Number : 3171211-1 C1

Page 1 of 1

Sample Number	24131821-1						
Sampled Date	Dec 03, 2024 10:07 AM						
Sample Description	Wastewater						
Location	ปล่องระบายน้ำห้อง 33 14						
Date Analysis Commenced	Dec 03, 2024						
Condition of Sample	Contained In two amber glass bottles and four plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA/USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Paramet Sattayakun ทะเบียนเลขที่ 7-323-จ-0051 , Pattarapol Sawangjaitam ทะเบียนเลขที่ 7-204-จ-0002

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ 7-323-จ-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 7-323-จ-0001

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 24131821
Date Received : Dec 03, 2024
Date Reported : Dec 11, 2024
Report Number : 3171211-2

Page 1 of 1

Sample Number	24131821-1						
Sampled Date	Dec 03, 2024 10:07 AM						
Sample Description	Wastewater						
Location	บ่อบรรจุน้ำทิ้ง 33 ไร่						
Date Analysis Commenced	Dec 06, 2024						
Condition of Sample	Contained in two amber glass bottles and four plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA/USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Paramet Sattayakun ทะเบียนเลขที่ ว-323-ก-0051 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ก-0002

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

Technical Management

Siriluk P.

Siriluk Bunnak
Section Head

ทะเบียนเลขที่ ว-204-ก-0013

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager

ทะเบียนเลขที่ ว-204-ก-0004

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 24131821
Date Received : Dec 03, 2024
Date Reported : Dec 11, 2024
Report Number : 3171211-3

Page 1 of 1

Sample Number	24131821-1						
Sampled Date	Dec 03, 2024 10:07 AM						
Sample Description	Wastewater						
Location	บ่อบรรจุน้ำทิ้ง 33 ไร่						
Date Analysis Commenced	Dec 04, 2024						
Condition of Sample	Contained in two amber glass bottles and four plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA/USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	1300.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	2400.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok

Water Testing

Total Petroleum Hydrocarbon *	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5520 F	Rayong
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Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Paramet Sattayakun , Pattarapol Sawangjaitam

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Suwannee Chumkeaw

Suwannee Chumkeaw
Section Head

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คุณภาพน้ำทิ้งบริเวณพื้นที่ 7 ไร่



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2486991
Date Received : Jul 31, 2024
Date Reported : Aug 08, 2024
Report Number : 3068398-1

Page 1 of 1

Sample Number	2486991-1
Sampled Date	Jul 31, 2024 10:02 AM
Sample Description	Wastewater
Location	ปล่องระบายน้ำฝั่ง 7 ไร่
Date Analysis Commenced	Aug 01, 2024
Condition of Sample	Contained in one amber glass bottle and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ร-323-จ-9457 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ร-204-จ-0002

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

Technical Management

Siriluk P.

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ร-204-จ-0013

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ ร-204-จ-0004

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2486991
Date Received : Jul 31, 2024
Date Reported : Aug 08, 2024
Report Number : 3068398-2

Page 1 of 1

Sample Number	2486991-1
Sampled Date	Jul 31, 2024 10:02 AM
Sample Description	Wastewater
Location	ปล่องระบายน้ำฝั่ง 7 ไร่
Date Analysis Commenced	Aug 01, 2024
Condition of Sample	Contained in one amber glass bottle and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Petroleum Hydrocarbon	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 F	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :
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Approved by

Chonticha K.

Chonticha Subongkoch
Scientist (3)

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2480155
Date Received : Aug 08, 2024
Date Reported : Aug 19, 2024
Report Number : 3053842-2 C1

Page 1 of 1

Sample Number	2480155-1						
Sampled Date	Aug 08, 2024 9:45 AM						
Sample Description	Wastewater						
Location	ปล่องระบายน้ำทั้ง 7 ไร่						
Date Analysis Commenced	Aug 09, 2024						
Condition of Sample	Contained in two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ๖-323-๖-0038

Remark :

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

Technical Management

Siriluk P.

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ๖-204-๖-0013

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ๖-204-๖-0004

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P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2480155
Date Received : Aug 08, 2024
Date Reported : Aug 19, 2024
Report Number : 3053842-3 C1

Page 1 of 1

Sample Number	2480155-1						
Sampled Date	Aug 08, 2024 9:45 AM						
Sample Description	Wastewater						
Location	ปล่องระบายน้ำทั้ง 7 ไร่						
Date Analysis Commenced	Aug 09, 2024						
Condition of Sample	Contained in two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Petroleum Hydrocarbon	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 F	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wanlop Hunchainaow

Remark :

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9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498251
Date Received : Sep 10, 2024
Date Reported : Sep 18, 2024
Report Number : 3092628-2 C1

Page 1 of 1

Sample Number	2498251-1
Sampled Date	Sep 10, 2024 2:25 PM
Sample Description	Wastewater
Location	ปล่องระบายน้ำฝั่ง 7 ใต้
Date Analysis Commenced	Sep 13, 2024
Condition of Sample	Contained In two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Paramet Sattayakun ทะเบียนเลขที่ ๖-323-๖-0051 , Nachakorn Hansa ทะเบียนเลขที่ ๖-204-๖-0187

Remark :
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Technical Management

Siriluk P.

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ๖-204-๖-0013

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ๖-204-๖-0004

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Analysis / Test Report

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9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 2498251
Date Received : Sep 10, 2024
Date Reported : Sep 18, 2024
Report Number : 3092628-3 C1

Page 1 of 1

Sample Number	2498251-1
Sampled Date	Sep 10, 2024 2:25 PM
Sample Description	Wastewater
Location	ปล่องระบายน้ำฝั่ง 7 ใต้
Date Analysis Commenced	Sep 11, 2024
Condition of Sample	Contained In two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Petroleum Hydrocarbon	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 F	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Paramet Sattayakun , Nachakorn Hansa

Remark :
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Approved by

Photchana S.

Photchana Seeda
Scientist (4)



Analysis / Test Report

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9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 24108769
Date Received : Oct 01, 2024
Date Reported : Oct 10, 2024
Report Number : 3116724-2 C1

Page 1 of 1

Sample Number	24108769-1						
Sampled Date	Oct 01, 2024 9:47 AM						
Sample Description	Wastewater						
Location	ปล่องระบายน้ำฝั่ง 7 ใต้						
Date Analysis Commenced	Oct 02, 2024						
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wasan Khinunti ทะเบียนเลขที่ 7-323-ก-0019 , Thanasoun Namakunna ทะเบียนเลขที่ 7-204-ก-0101

Remark :

- LOD : Limit of Detection
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Technical Management

Narin Saiseng
Supervisor
ทะเบียนเลขที่ 7-204-ก-0009

Approved by

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 7-204-ก-0004

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Analysis / Test Report

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9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 24108769
Date Received : Oct 01, 2024
Date Reported : Oct 10, 2024
Report Number : 3116724-3 C1

Page 1 of 1

Sample Number	24108769-1						
Sampled Date	Oct 01, 2024 9:47 AM						
Sample Description	Wastewater						
Location	ปล่องระบายน้ำฝั่ง 7 ใต้						
Date Analysis Commenced	Oct 02, 2024						
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Petroleum Hydrocarbon	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5520 F	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wasan Khinunti , Thanasoun Namakunna

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Approved by

Photchana Seeda
Scientist (4)



Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 24115776
Date Received : Nov 07, 2024
Date Reported : Nov 15, 2024
Report Number : 3131279-2 C1

Page 1 of 1

Sample Number	24115776-1						
Sampled Date	Nov 07, 2024 11:34 AM						
Sample Description	Wastewater						
Location	ปล่องระบายน้ำฝั่ง 7 ใต้						
Date Analysis Commenced	Nov 08, 2024						
Condition of Sample	Contained in two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ร-323-ก-0023 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ร-204-ก-0001

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

Technical Management

Siriluk P.

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ร-204-ก-0013

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ร-204-ก-0004

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.
9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150
P/O : PMM-23-19
Project Name : EIA Monitoring
Project Location :

Lot ID: 24115776
Date Received : Nov 07, 2024
Date Reported : Nov 15, 2024
Report Number : 3131279-3 C1

Page 1 of 1

Sample Number	24115776-1						
Sampled Date	Nov 07, 2024 11:34 AM						
Sample Description	Wastewater						
Location	ปล่องระบายน้ำฝั่ง 7 ใต้						
Date Analysis Commenced	Nov 08, 2024						
Condition of Sample	Contained in two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Petroleum Hydrocarbon	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 F	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Phongthep Sitthiloh , Kardbundit Kitisupavanit

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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 : Rayong Terminal Co., Ltd.

9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

P/O : PMM-23-19

Project Name : EIA Monitoring

Project Location :

Lot ID: 24131822

Date Received : Dec 03, 2024

Date Reported : Dec 11, 2024

Report Number : 3171213-2

Page 1 of 1

Sample Number	24131822-1						
Sampled Date	Dec 03, 2024 10:32 AM						
Sample Description	Wastewater						
Location	บ่อรวบรวมน้ำทิ้ง 7 ไร่						
Date Analysis Commenced	Dec 04, 2024						
Condition of Sample	Contained in two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Paramet Sattayakun ทะเบียนเลขที่ 7-323-4-0051

Remark :

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

Technical Management

Siriluk P.

Siriluk Bunnak

Section Head

ทะเบียนเลขที่ 7-204-4-0013

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager

ทะเบียนเลขที่ 7-204-4-0004

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Analysis / Test Report

Client : Rayong Terminal Co., Ltd.

9, I-1 Road, Map Ta Phut, Maung District, Rayong Thailand 21150

P/O : PMM-23-19

Project Name : EIA Monitoring

Project Location :

Lot ID: 24131822

Date Received : Dec 03, 2024

Date Reported : Dec 11, 2024

Report Number : 3171213-3

Page 1 of 1

Sample Number	24131822-1						
Sampled Date	Dec 03, 2024 10:32 AM						
Sample Description	Wastewater						
Location	บ่อรวบรวมน้ำทิ้ง 7 ไร่						
Date Analysis Commenced	Dec 04, 2024						
Condition of Sample	Contained in two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Petroleum Hydrocarbon	mg/L	-	3	<3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 F	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Paramet Sattayakun

Remark :

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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.

Approved by

Photchana S.

Photchana Seeda
Scientist (4)

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ภาคผนวก ค-6

นิเวศวิทยาทางน้ำ



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : Rayong Terminal Co., Ltd.

Address : 9, I-1 Road, Map Ta Phut, Maung District, Rayong , Thailand, 21150

Project Name : EIA Monitoring

Project Location :

รายงานผลการวิเคราะห์สัตว์หน้าดิน

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 17 ตุลาคม 2567)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)
	24108784-1
Phylum Annelida	
Class Polychaeta	
Order Capitellida	
Family Capitellidae	
<i>Heteromastus</i> sp. (ไส้เดือนทะเล)	60
Order Orbiniida	
Family Orbiniidae	
<i>Scoloplos</i> sp. (ไส้เดือนทะเล)	30
Order Spionida	
Family Magelonidae	
<i>Magelona</i> sp. (ไส้เดือนทะเล)	15
Order Terebellida	
Family Sternaspidae	
<i>Sternaspis</i> sp. (ไส้เดือนทะเล)	15

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 17 ตุลาคม 2567) (ต่อ)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)
	24108784-1
รวมจำนวนสกุลที่พบทั้งหมด	4
รวมปริมาณที่พบทั้งหมด	120
ค่าดัชนีความหลากหลาย	1.2130
ค่าดัชนีความสม่ำเสมอสัตว์หน้าดิน	0.8750

Sample Location : 1. สถานี 24108784-1 : บริเวณห่างจากจุดระบายน้ำทิ้งของโครงการทางทิศใต้ที่ระยะ 500 เมตร

Condition of Sample : contained in one plastic zip bag

(นายสาโรจน์ เริ่มคำรหัส)
ผู้วิเคราะห์

(นายอลงกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิทยุประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : Rayong Terminal Co., Ltd.

Address : 9 I-1 Road, Map Ta Phut, Maung District, Rayong, Thailand, 21150

Project Name : EIA Monitoring

Project Location :

รายงานผลการวิเคราะห์แหล่งกักต่อน้ำ

ตาราง ผลการวิเคราะห์แหล่งกักต่อน้ำ (เก็บตัวอย่างวันที่ 17 ตุลาคม 2567)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)
	24108785-1
Division Cyanophyta	
Class Cyanophyceae	
Order Nostocales	
Family Oscillatoriaceae	
1. <i>Oscillatoria</i> sp.	39,000
2. <i>Oscillatoria tenuis</i>	79,000
Family Nostocaceae	
3. <i>Pseudanabaena</i> sp.	13,000
Division Chromophyta	
Class Bacillariophyceae	
Order Biddulphiales	
Suborder Coscinodiscineae	
Family Thalassiosiraceae	
4. <i>Cyclotella meneghiniana</i>	26,000

ตาราง ผลการวิเคราะห์แหล่งกักต่อน้ำ (เก็บตัวอย่างวันที่ 17 ตุลาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)
	24108785-1
5. <i>Lauderia annulata</i>	381,000
6. <i>Skeletonema costatum</i>	16,043,000
7. <i>Thalassiosira anguste-lineata</i>	39,000
8. <i>Thalassiosira gravida</i>	13,000
9. <i>Thalassiosira subtilis</i>	39,000
Family Leptocyliindraceae	
10. <i>Corethron criophilum</i>	210,000
Family Coscinodiscaceae	
11. <i>Coscinodiscus</i> sp.	26,000
Family Hemidiscaceae	
12. <i>Actinocyclus normanii</i>	92,000
Family Asterolampraceae	
13. <i>Asteromphalus flabellatus</i>	13,000
Suborder Rhizosoleniineae	
Family Rhizosoleniaceae	
14. <i>Dactyliosolen antarcticus</i>	39,000
15. <i>Dactyliosolen fragillissima</i>	79,000
16. <i>Guinardia delicatula</i>	1,276,000
17. <i>Guinardia flaccida</i>	329,000
18. <i>Guinardia striata</i>	539,000
19. <i>Proboscia alata</i>	79,000
20. <i>Pseudosolenia calcar-avis</i>	237,000
21. <i>Rhizosolenia acuminata</i>	13,000
22. <i>Rhizosolenia formosa</i>	39,000
23. <i>Rhizosolenia robusta</i>	13,000
24. <i>Rhizosolenia setigera</i>	381,000
25. <i>Rhizosolenia striata</i>	105,000

ตาราง ผลการวิเคราะห์แฟลกก์ตอนพืช (เก็บตัวอย่างวันที่ 17 ตุลาคม 2567)

(ต่อ)

ชนิดแฟลกก์ตอนพืช	ปริมาณแฟลกก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)
	24108785-1
26. <i>Rhizosolenia styliformis</i>	13,000
Suborder Biddulphiineae	
Family Hemiaulaceae	
27. <i>Cerataulina pelagica</i>	238,000
28. <i>Hemiaulus hauckii</i>	526,000
29. <i>Hemiaulus indicus</i>	26,000
30. <i>Hemiaulus membranaceus</i>	26,000
Family Chaetoceraceae	
31. <i>Bacteriastrum delicatulum</i>	13,000
32. <i>Bacteriastrum furcatum</i>	2,406,000
33. <i>Bacteriastrum</i> sp.	1,552,000
34. <i>Chaetoceros affinis</i>	986,000
35. <i>Chaetoceros compressus</i>	11,046,000
36. <i>Chaetoceros costatus</i>	500,000
37. <i>Chaetoceros curvisetus</i>	1,262,000
38. <i>Chaetoceros decipiens</i>	26,000
39. <i>Chaetoceros densus</i>	39,000
40. <i>Chaetoceros didymus</i>	1,867,000
41. <i>Chaetoceros diversus</i>	1,525,000
42. <i>Chaetoceros granii</i>	26,000
43. <i>Chaetoceros laciniosus</i>	10,599,000
44. <i>Chaetoceros laevis</i>	552,000
45. <i>Chaetoceros lorenzianus</i>	39,000
46. <i>Chaetoceros mitra</i>	1,617,000
47. <i>Chaetoceros pseudocurvisetus</i>	39,000
48. <i>Chaetoceros radiacans</i>	2,893,000
49. <i>Chaetoceros</i> sp.	9,797,000
50. <i>Chaetoceros subtilis</i>	1,907,000

ตาราง ผลการวิเคราะห์แฟลกก์ตอนพืช (เก็บตัวอย่างวันที่ 17 ตุลาคม 2567)

(ต่อ)

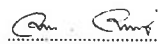
ชนิดแฟลกก์ตอนพืช	ปริมาณแฟลกก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)
	24108785-1
51. <i>Chaetoceros teres</i>	39,000
52. <i>Chaetoceros tortissimus</i>	171,000
Family Lithodesmaceae	
53. <i>Ditylum brightwellii</i>	13,000
54. <i>Ditylum sol</i>	13,000
Family Eupodiscaceae	
55. <i>Odontella mobiliensis</i>	13,000
Order Bacillariales	
Suborder Fragilariineae	
Family Thalassionemataceae	
56. <i>Thalassionema frauenfeldii</i>	316,000
57. <i>Thalassionema nitzschioides</i>	868,000
Family Licmophoriaceae	
58. <i>Licmophora abbreviata</i>	13,000
Suborder Bacillariineae	
Family Naviculaceae	
59. <i>Amphora obtusa</i>	53,000
60. <i>Amphora robusta</i>	13,000
61. <i>Meunier membranacea</i>	13,000
62. <i>Pleurosigma angulatum</i>	13,000
63. <i>Pleurosigma narmanii</i>	13,000
Family Bacillariaceae	
64. <i>Pseudo-nitzschia heimii</i>	263,000
65. <i>Pseudo-nitzschia</i> sp.	1,552,000

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 17 ตุลาคม 2567)
(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)
	24108785-1
Class Dinophyceae	
Order Prorocentrales	
Family Prorocentraceae	
66. <i>Prorocentrum micans</i>	66,000
Order Gymnodiniales	
Family Gymnodiniaceae	
67. <i>Gyrodinium instriatum</i>	105,000
Order Gonyaulacales	
Family Ceratiaceae	
68. <i>Ceratium furca</i>	39,000
Order Peridinales	
Family Protoperidiniaceae	
69. <i>Protoperidinium abei</i>	13,000
70. <i>Protoperidinium conicum</i>	39,000
71. <i>Protoperidinium curtipes</i>	26,000
72. <i>Protoperidinium latispinum</i>	39,000
73. <i>Protoperidinium spinulosum</i>	26,000
ชนิดแพลงก์ตอนพืช	73
ปริมาณแพลงก์ตอนพืช	73,381,000
ดัชนีความหลากหลายแพลงก์ตอนพืช	2.6605
ดัชนีความสม่ำเสมอแพลงก์ตอนพืช	0.6221

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)


(นางสาวกนกวรรณ ขาวค่อน)
ผู้วิเคราะห์


(นายอลงกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา

Sample Location : 1. สถานี 24108785-1 : บริเวณห่างจากจุดระบายน้ำทิ้งของโครงการทางทิศใต้ที่
ระยะ 500 เมตร



สถานีวิทยุประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : Rayong Terminal Co., Ltd.

Address : 9 I-1 Road, Map Ta Phut, Maung District, Rayong, Thailand, 21150

Project Name : EIA Monitoring

Project Location :

รายงานผลการวิเคราะห์แพลงก์ตอนสัตว์

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 17 ตุลาคม 2567)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)	
	24108785-1	
Phylum Protozoa		
Subphylum Ciliophora		
Class Ciliata		
Subclass Spirotricha		
Order Tintinnida		
Family Tintinnidae		
1. <i>Leprotintinus nordquisti</i>	39,000	
Family Codonellopsidae		
2. <i>Tintinnopsis beroidea</i>	26,000	
3. <i>Tintinnopsis cylindrica</i>	26,000	
Family Cyttarocylidae		
4. <i>Favella panamensis</i>	13,000	
Family Petalotrichidae		
5. <i>Metacylis pithos</i>	13,000	

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 17 ตุลาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)	
	24108785-1	
Family Tintinnidae		
6. <i>Eutintinus perminutus</i>	13,000	
Subclass Peritricha		
Order Peritrichida		
7. <i>Vorticella</i> sp.	66,000	
Phylum Arthropoda		
Class Crustacea		
Subclass Copepoda		
8. Copepod nauplius	79,000	
Phylum Mollusca		
Class Bivalvia		
9. Pelecypod larvae	13,000	
Phylum Chordata		
Subphylum Urochordata		
Class Larvacea		
Family Oikopleuridae		
10. <i>Oikopleura</i> sp.	39,000	
ชนิดแพลงก์ตอนสัตว์	10	
ปริมาณแพลงก์ตอนสัตว์	327,000	
ดัชนีความหลากหลายแพลงก์ตอนสัตว์	2.0889	
ดัชนีความสม่ำเสมอแพลงก์ตอนสัตว์	0.9072	

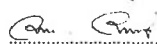
Sample Location : 1. สถานี 24108785-1 : บริเวณห่างจากจุดระบายน้ำทิ้งของโครงการทางทิศใต้ที่
ระยะ 500 เมตร

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)



(นางสาวกนกวรรณ ขาวค้อน)

ผู้วิเคราะห์



(นายอลงกต อินทราติ)

หัวหน้าสถานีวิจัยประมงศรีราชา