

## ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์คุณภาพสิ่งแวดล้อม

## ภาคผนวก ค-1

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ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง



## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572\_Item200

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2278959**

Date Received : Jul 06, 2022

Date Reported : Jul 12, 2022

Report Number : 2356752-1

Page 4 of 8

<b>Sample Number</b>	2278959-4
<b>Sampled Date</b>	Jul 05, 2022 11:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Oil Interceptor
<b>Date Analysis Commenced</b>	Jul 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	<5	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	8.1	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	198	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	11	≤50	APHA (2017), 2540 D	Songkhla

**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).

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Approved by

*Sutthirak T.*

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No.0166

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**P/O :** 4538578572\_Item200

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2278959**

Date Received : Jul 06, 2022

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Report Number : 2356752-1

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<b>Sample Number</b>	2278959-5
<b>Sampled Date</b>	Jul 05, 2022 12:10 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Bitumen
<b>Date Analysis Commenced</b>	Jul 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	<5	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	8.2	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	194	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	9	≤50	APHA (2017), 2540 D	Songkhla

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No.0166

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**P/O :** 4538578572\_Item200

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2278959**

Date Received : Jul 06, 2022

Date Reported : Jul 12, 2022

Report Number : 2356752-1

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<b>Sample Number</b>	2278959-6
<b>Sampled Date</b>	Jul 05, 2022 12:00 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Office
<b>Date Analysis Commenced</b>	Jul 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	<5	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	8.2	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	196	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	9	≤50	APHA (2017), 2540 D	Songkhla

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No.0166

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10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572\_Item200

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2278959**

Date Received : Jul 06, 2022

Date Reported : Jul 12, 2022

Report Number : 2356752-1

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<b>Sample Number</b>	2278959-7
<b>Sampled Date</b>	Jul 05, 2022 11:40 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	พชร. เข้า
<b>Date Analysis Commenced</b>	Jul 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	5	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	8.2	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	202	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	11	≤50	APHA (2017), 2540 D	Songkhla

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572\_Item200

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2278959**

Date Received : Jul 06, 2022

Date Reported : Jul 12, 2022

Report Number : 2356752-1

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<b>Sample Number</b>	2278959-8
<b>Sampled Date</b>	Jul 05, 2022 11:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	พชร. ออ
<b>Date Analysis Commenced</b>	Jul 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	8	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	8.1	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	198	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	9	≤50	APHA (2017), 2540 D	Songkhla

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2287306**

Date Received : Aug 04, 2022

Date Reported : Aug 10, 2022

Report Number : 2376963-1

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<b>Sample Number</b>	2287306-4
<b>Sampled Date</b>	Aug 03, 2022 2:30 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Oil Interceptor
<b>Date Analysis Commenced</b>	Aug 04, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	9	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	8.0	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	230	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	7	≤50	APHA (2017), 2540 D	Songkhla

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TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2287306**

Date Received : Aug 04, 2022

Date Reported : Aug 10, 2022

Report Number : 2376963-1

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<b>Sample Number</b>	2287306-5
<b>Sampled Date</b>	Aug 03, 2022 2:40 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Bitumen
<b>Date Analysis Commenced</b>	Aug 04, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	9	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	8.1	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	272	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	8	≤50	APHA (2017), 2540 D	Songkhla

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No.0166

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10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2287306**

Date Received : Aug 04, 2022

Date Reported : Aug 10, 2022

Report Number : 2376963-1

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<b>Sample Number</b>	2287306-6
<b>Sampled Date</b>	Aug 03, 2022 2:50 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Office
<b>Date Analysis Commenced</b>	Aug 04, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	8	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	8.0	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	234	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	8	≤50	APHA (2017), 2540 D	Songkhla

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No.0166

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10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2287306**

Date Received : Aug 04, 2022

Date Reported : Aug 10, 2022

Report Number : 2376963-1

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<b>Sample Number</b>	2287306-7
<b>Sampled Date</b>	Aug 03, 2022 2:55 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	พชร. เข้า
<b>Date Analysis Commenced</b>	Aug 04, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	<5	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.9	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	210	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	10	≤50	APHA (2017), 2540 D	Songkhla

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Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2287306**

Date Received : Aug 04, 2022

Date Reported : Aug 10, 2022

Report Number : 2376963-1

Page 8 of 8

<b>Sample Number</b>	2287306-8
<b>Sampled Date</b>	Aug 03, 2022 3:00 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	พชร. ออ
<b>Date Analysis Commenced</b>	Aug 04, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	<5	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	8.1	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	260	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	7	≤50	APHA (2017), 2540 D	Songkhla

**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).

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22107715**

Date Received : Sep 06, 2022

Date Reported : Sep 12, 2022

Report Number : 2419918-1

Page 4 of 8

<b>Sample Number</b>	22107715-4
<b>Sampled Date</b>	Sep 05, 2022 1:30 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Oil Interceptor
<b>Date Analysis Commenced</b>	Sep 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	6	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.7	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	248	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	8	≤50	APHA (2017), 2540 D	Songkhla

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Sutthirak Tiprat  
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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22107715**

Date Received : Sep 06, 2022

Date Reported : Sep 12, 2022

Report Number : 2419918-1

Page 5 of 8

<b>Sample Number</b>	22107715-5
<b>Sampled Date</b>	Sep 05, 2022 1:40 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Bitumen
<b>Date Analysis Commenced</b>	Sep 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	9	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.8	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	244	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	7	≤50	APHA (2017), 2540 D	Songkhla

**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).

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22107715**

Date Received : Sep 06, 2022

Date Reported : Sep 12, 2022

Report Number : 2419918-1

Page 6 of 8

<b>Sample Number</b>	22107715-6
<b>Sampled Date</b>	Sep 05, 2022 1:55 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Office
<b>Date Analysis Commenced</b>	Sep 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	<5	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.8	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	252	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	7	≤50	APHA (2017), 2540 D	Songkhla

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22107715**

Date Received : Sep 06, 2022

Date Reported : Sep 12, 2022

Report Number : 2419918-1

Page 7 of 8

<b>Sample Number</b>	22107715-7
<b>Sampled Date</b>	Sep 05, 2022 2:10 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	พชร. เข้
<b>Date Analysis Commenced</b>	Sep 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	9	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	8.2	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	272	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	9	≤50	APHA (2017), 2540 D	Songkhla

**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).

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22107715**

Date Received : Sep 06, 2022

Date Reported : Sep 12, 2022

Report Number : 2419918-1

Page 8 of 8

<b>Sample Number</b>	22107715-8
<b>Sampled Date</b>	Sep 05, 2022 2:20 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	พชร. ออ
<b>Date Analysis Commenced</b>	Sep 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	8	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	8.1	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	274	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	8	≤50	APHA (2017), 2540 D	Songkhla

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22115567**

Date Received : Oct 07, 2022

Date Reported : Oct 14, 2022

Report Number : 2438129-1

Page 4 of 8

<b>Sample Number</b>	22115567-4
<b>Sampled Date</b>	Oct 06, 2022 1:20 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Oil Interceptor
<b>Date Analysis Commenced</b>	Oct 07, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	11	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.9	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	244	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	8	≤50	APHA (2017), 2540 D	Songkhla

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22115567**

Date Received : Oct 07, 2022

Date Reported : Oct 14, 2022

Report Number : 2438129-1

Page 5 of 8

<b>Sample Number</b>	22115567-5
<b>Sampled Date</b>	Oct 06, 2022 1:30 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Bitumen
<b>Date Analysis Commenced</b>	Oct 07, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	8	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.8	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	188	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	8	≤50	APHA (2017), 2540 D	Songkhla

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22115567**

Date Received : Oct 07, 2022

Date Reported : Oct 14, 2022

Report Number : 2438129-1

Page 6 of 8

<b>Sample Number</b>	22115567-6
<b>Sampled Date</b>	Oct 06, 2022 1:40 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Office
<b>Date Analysis Commenced</b>	Oct 07, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	12	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.7	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	232	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	7	≤50	APHA (2017), 2540 D	Songkhla

**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).

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22115567**

Date Received : Oct 07, 2022

Date Reported : Oct 14, 2022

Report Number : 2438129-1

Page 7 of 8

<b>Sample Number</b>	22115567-7
<b>Sampled Date</b>	Oct 06, 2022 2:00 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	พชร. เข้า
<b>Date Analysis Commenced</b>	Oct 07, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	9	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	8.0	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	192	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	8	≤50	APHA (2017), 2540 D	Songkhla

**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).

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22115567**

Date Received : Oct 07, 2022

Date Reported : Oct 14, 2022

Report Number : 2438129-1

Page 8 of 8

<b>Sample Number</b>	22115567-8
<b>Sampled Date</b>	Oct 06, 2022 2:20 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	พชร. ออ
<b>Date Analysis Commenced</b>	Oct 07, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	11	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	8.2	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	116	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	7	≤50	APHA (2017), 2540 D	Songkhla

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22129254**

Date Received : Nov 03, 2022

Date Reported : Nov 09, 2022

Report Number : 2470691-1

Page 4 of 8

<b>Sample Number</b>	22129254-4
<b>Sampled Date</b>	Nov 02, 2022 7:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Oil Interceptor
<b>Date Analysis Commenced</b>	Nov 03, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	13	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.6	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1044	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	9	≤50	APHA (2017), 2540 D	Songkhla

**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).

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22129254**

Date Received : Nov 03, 2022

Date Reported : Nov 09, 2022

Report Number : 2470691-1

Page 5 of 8

<b>Sample Number</b>	22129254-5
<b>Sampled Date</b>	Nov 02, 2022 8:20 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Bitumen
<b>Date Analysis Commenced</b>	Nov 03, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	14	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.9	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	620	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	9	≤50	APHA (2017), 2540 D	Songkhla

**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).

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22129254**

Date Received : Nov 03, 2022

Date Reported : Nov 09, 2022

Report Number : 2470691-1

Page 6 of 8

<b>Sample Number</b>	22129254-6
<b>Sampled Date</b>	Nov 02, 2022 8:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Office
<b>Date Analysis Commenced</b>	Nov 03, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	7	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.8	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	644	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	8	≤50	APHA (2017), 2540 D	Songkhla

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22129254**

Date Received : Nov 03, 2022

Date Reported : Nov 09, 2022

Report Number : 2470691-1

Page 7 of 8

<b>Sample Number</b>	22129254-7
<b>Sampled Date</b>	Nov 02, 2022 8:00 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	พชร. เข้า
<b>Date Analysis Commenced</b>	Nov 03, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	8	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.9	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	592	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	10	≤50	APHA (2017), 2540 D	Songkhla

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22129254**

Date Received : Nov 03, 2022

Date Reported : Nov 09, 2022

Report Number : 2470691-1

Page 8 of 8

<b>Sample Number</b>	22129254-8
<b>Sampled Date</b>	Nov 02, 2022 8:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	พชร. ออ
<b>Date Analysis Commenced</b>	Nov 03, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	<5	≤120	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.8	5.5-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	528	≤3000	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	9	≤50	APHA (2017), 2540 D	Songkhla

**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).

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22144530**

Date Received : Dec 08, 2022

Date Reported : Dec 14, 2022

Report Number : 2505677-1

Page 4 of 8

<b>Sample Number</b>	22144530-4
<b>Sampled Date</b>	Dec 07, 2022 2:45 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Oil Interceptor
<b>Date Analysis Commenced</b>	Dec 08, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	5	5	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	In - house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.9	5.5-9.0	In - house method : STM 13-001 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	228	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	9	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

**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).

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client** : The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O** : 4538578572

**Project Name** : Water Testing

**Project Location** : คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22144530**

Date Received : Dec 08, 2022

Date Reported : Dec 14, 2022

Report Number : 2505677-1

Page 5 of 8

<b>Sample Number</b>	22144530-5
<b>Sampled Date</b>	Dec 07, 2022 1:40 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Bitumen
<b>Date Analysis Commenced</b>	Dec 08, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	5	8	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	In - house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.9	5.5-9.0	In - house method : STM 13-001 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	192	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	13	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

**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).

Remark :

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22144530**

Date Received : Dec 08, 2022

Date Reported : Dec 14, 2022

Report Number : 2505677-1

Page 6 of 8

<b>Sample Number</b>	22144530-6
<b>Sampled Date</b>	Dec 07, 2022 2:50 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Office
<b>Date Analysis Commenced</b>	Dec 08, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	5	<5	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	In - house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	8.1	5.5-9.0	In - house method : STM 13-001 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	172	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	7	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

**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).

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22144530**

Date Received : Dec 08, 2022

Date Reported : Dec 14, 2022

Report Number : 2505677-1

Page 7 of 8

<b>Sample Number</b>	22144530-7
<b>Sampled Date</b>	Dec 07, 2022 1:50 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	พชร. เข้า
<b>Date Analysis Commenced</b>	Dec 08, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	5	10	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	In - house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	8.2	5.5-9.0	In - house method : STM 13-001 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	124	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	8	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

**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).

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING

No.0166

**Lot ID: 22144530**

Date Received : Dec 08, 2022

Date Reported : Dec 14, 2022

Report Number : 2505677-1

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

Page 8 of 8

<b>Sample Number</b>	22144530-8
<b>Sampled Date</b>	Dec 07, 2022 2:00 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	พชร. ออ
<b>Date Analysis Commenced</b>	Dec 08, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	5	<5	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤5	In - house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	8.3	5.5-9.0	In - house method : STM 13-001 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	104	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	7	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

**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).

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## ภาคผนวก ค-2

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ผลการตรวจวิเคราะห์คุณภาพน้ำผิวดิน



## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572\_Item200

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2278959**

Date Received : Jul 06, 2022

Date Reported : Jul 12, 2022

Report Number : 2356752-1

Page 1 of 8

<b>Sample Number</b>	2278959-1
<b>Sampled Date</b>	Jul 05, 2022 11:15 AM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-1
<b>Date Analysis Commenced</b>	Jul 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD *	mg/L	-	5	9	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.6	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	2850	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids *	mg/L	-	5	26	No Standard	APHA (2017), 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

n': Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572\_Item200

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2278959**

Date Received : Jul 06, 2022

Date Reported : Jul 12, 2022

Report Number : 2356752-1

Page 2 of 8

<b>Sample Number</b>	2278959-2
<b>Sampled Date</b>	Jul 05, 2022 11:10 AM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-2
<b>Date Analysis Commenced</b>	Jul 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD *	mg/L	-	5	9	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.7	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	2870	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids *	mg/L	-	5	28	No Standard	APHA (2017), 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572\_Item200

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2278959**

Date Received : Jul 06, 2022

Date Reported : Jul 12, 2022

Report Number : 2356752-1

Page 3 of 8

<b>Sample Number</b>	2278959-3
<b>Sampled Date</b>	Jul 05, 2022 11:00 AM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-3
<b>Date Analysis Commenced</b>	Jul 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD *	mg/L	-	5	16	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.7	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	2940	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	29	No Standard	APHA (2017), 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

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n : Not Change from natural condition

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2287306**

Date Received : Aug 04, 2022

Date Reported : Aug 10, 2022

Report Number : 2376963-1

Page 1 of 8

<b>Sample Number</b>	2287306-1
<b>Sampled Date</b>	Aug 03, 2022 2:00 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-1
<b>Date Analysis Commenced</b>	Aug 04, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	13	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.5	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	380	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	29	No Standard	APHA (2017), 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

n': Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

Remark :

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2287306**

Date Received : Aug 04, 2022

Date Reported : Aug 10, 2022

Report Number : 2376963-1

Page 2 of 8

<b>Sample Number</b>	2287306-2
<b>Sampled Date</b>	Aug 03, 2022 2:15 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-2
<b>Date Analysis Commenced</b>	Aug 04, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	14	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.3	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	388	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	25	No Standard	APHA (2017), 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 2287306**

Date Received : Aug 04, 2022

Date Reported : Aug 10, 2022

Report Number : 2376963-1

Page 3 of 8

<b>Sample Number</b>	2287306-3
<b>Sampled Date</b>	Aug 03, 2022 2:20 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-3
<b>Date Analysis Commenced</b>	Aug 04, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	13	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.3	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	572	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	38	No Standard	APHA (2017), 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22107715**

Date Received : Sep 06, 2022

Date Reported : Sep 12, 2022

Report Number : 2419918-1

Page 1 of 8

<b>Sample Number</b>	22107715-1
<b>Sampled Date</b>	Sep 05, 2022 1:10 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-1
<b>Date Analysis Commenced</b>	Sep 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD *	mg/L	-	5	20	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.4	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	2627	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids *	mg/L	-	5	60	No Standard	APHA (2017), 2540 D	Songkhla

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*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22107715**

Date Received : Sep 06, 2022

Date Reported : Sep 12, 2022

Report Number : 2419918-1

Page 2 of 8

<b>Sample Number</b>	22107715-2
<b>Sampled Date</b>	Sep 05, 2022 1:15 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-2
<b>Date Analysis Commenced</b>	Sep 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD *	mg/L	-	5	9	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.5	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	2307	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids *	mg/L	-	5	55	No Standard	APHA (2017), 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

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*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22107715**

Date Received : Sep 06, 2022

Date Reported : Sep 12, 2022

Report Number : 2419918-1

Page 3 of 8

<b>Sample Number</b>	22107715-3
<b>Sampled Date</b>	Sep 05, 2022 1:20 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-3
<b>Date Analysis Commenced</b>	Sep 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD *	mg/L	-	5	10	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.4	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	2893	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids *	mg/L	-	5	52	No Standard	APHA (2017), 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22115567**

Date Received : Oct 07, 2022

Date Reported : Oct 14, 2022

Report Number : 2438129-1

Page 1 of 8

<b>Sample Number</b>	22115567-1
<b>Sampled Date</b>	Oct 06, 2022 1:00 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-1
<b>Date Analysis Commenced</b>	Oct 07, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	19	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.2	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1865	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	42	No Standard	APHA (2017), 2540 D	Songkhla

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22115567**

Date Received : Oct 07, 2022

Date Reported : Oct 14, 2022

Report Number : 2438129-1

Page 2 of 8

<b>Sample Number</b>	22115567-2
<b>Sampled Date</b>	Oct 06, 2022 1:10 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-2
<b>Date Analysis Commenced</b>	Oct 07, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	20	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.3	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1854	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	33	No Standard	APHA (2017), 2540 D	Songkhla

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Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22115567**

Date Received : Oct 07, 2022

Date Reported : Oct 14, 2022

Report Number : 2438129-1

Page 3 of 8

<b>Sample Number</b>	22115567-3
<b>Sampled Date</b>	Oct 06, 2022 1:15 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-3
<b>Date Analysis Commenced</b>	Oct 07, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	19	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.3	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1888	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	44	No Standard	APHA (2017), 2540 D	Songkhla

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Sutthirak Tiprat  
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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22129254**

Date Received : Nov 03, 2022

Date Reported : Nov 09, 2022

Report Number : 2470691-1

Page 1 of 8

<b>Sample Number</b>	22129254-1
<b>Sampled Date</b>	Nov 02, 2022 7:20 AM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-1
<b>Date Analysis Commenced</b>	Nov 03, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	9	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1002	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	43	No Standard	APHA (2017), 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22129254**

Date Received : Nov 03, 2022

Date Reported : Nov 09, 2022

Report Number : 2470691-1

Page 2 of 8

<b>Sample Number</b>	22129254-2
<b>Sampled Date</b>	Nov 02, 2022 7:30 AM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-2
<b>Date Analysis Commenced</b>	Nov 03, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	10	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1000	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	40	No Standard	APHA (2017), 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

n': Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

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

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22129254**

Date Received : Nov 03, 2022

Date Reported : Nov 09, 2022

Report Number : 2470691-1

Page 3 of 8

<b>Sample Number</b>	22129254-3
<b>Sampled Date</b>	Nov 02, 2022 7:40 AM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-3
<b>Date Analysis Commenced</b>	Nov 03, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Songkhla
COD	mg/L	-	5	19	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1010	No Standard	APHA (2017), 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	58	No Standard	APHA (2017), 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22144530**

Date Received : Dec 08, 2022

Date Reported : Dec 14, 2022

Report Number : 2505677-1

Page 1 of 8

<b>Sample Number</b>	22144530-1
<b>Sampled Date</b>	Dec 07, 2022 2:15 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-1
<b>Date Analysis Commenced</b>	Dec 08, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	5	19	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	In - house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.1	5.0-9.0	In - house method : STM 13-001 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1390	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	30	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22144530**

Date Received : Dec 08, 2022

Date Reported : Dec 14, 2022

Report Number : 2505677-1

Page 2 of 8

<b>Sample Number</b>	22144530-2
<b>Sampled Date</b>	Dec 07, 2022 2:25 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-2
<b>Date Analysis Commenced</b>	Dec 08, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	5	21	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	In - house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.1	5.0-9.0	In - house method : STM 13-001 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1412	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	32	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## Analysis / Test Report

TESTING  
No.0166

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4538578572

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์ต่างจังหวัดบ้านดอน สุราษฎร์ธานี

**Lot ID: 22144530**

Date Received : Dec 08, 2022

Date Reported : Dec 14, 2022

Report Number : 2505677-1

Page 3 of 8

<b>Sample Number</b>	22144530-3
<b>Sampled Date</b>	Dec 07, 2022 2:35 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	Jetty-3
<b>Date Analysis Commenced</b>	Dec 08, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	5	21	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	In - house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.2	5.0-9.0	In - house method : STM 13-001 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1438	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Total Suspended Solids	mg/L	-	5	29	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

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Approved by

*Sutthirak T.*

Sutthirak Tiprat  
Scientist (2)

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## ภาคผนวก ค-3

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ผลการตรวจวัดคุณภาพอากาศอากาศในบรรยากาศ



## Analysis / Test Report

**Client** : The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110  
**P/O** : 4537869301  
**Project Name** :  
**Project Location** : BDN Depot / Suratthani

**Lot ID: 22119088**

Date Received : Oct 24, 2022  
Date Reported : Oct 28, 2022  
Report Number : 2476680-2

Page 1 of 1

**Sample Number** 22119088-1  
**Sampled Date** Oct 18, 2022  
**Sample Description** Air Quality  
**Location** BDN Gantry  
**Date Analysis Commenced** Oct 25, 2022  
**Condition of Sample** Drawn into one 6-L Canister and one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Total Hydrocarbon	08:00 AM - 04:00 PM	ppm	-	-	3.1	EPA 40 CFR Part 50	Bangkok

**Sampled By** : Thanit Janjop

Remark :

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Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110  
**P/O :** 4539839701  
**Project Name :**  
**Project Location :** BDN Depot / Suratthani

**Lot ID: 22140473**

Date Received : Nov 29, 2022  
Date Reported : Dec 10, 2022  
Report Number : 2495672-2

Page 1 of 1

**Sample Number** 22140473-1  
**Sampled Date** Nov 26, 2022  
**Sample Description** Air Quality  
**Location** BDN Gantry (GPS 47N 541345, 1013888)  
**Date Analysis Commenced** Dec 08, 2022  
**Condition of Sample** Drawn into one 6-L Canister

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Benzene	26/11/22 - 27/11/22	ug/m3	0.05	0.16	12.59	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong

### Guideline :

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

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

**Sampled By :** Apiwat Chanta

### Remark :

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

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Approved by

Dej Changchon  
Senior Manager

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## Analysis / Test Report

**Client** : The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110  
**P/O** : 4537869301  
**Project Name** :  
**Project Location** : BDN Depot / Suratthani

**Lot ID: 22119088**

Date Received : Oct 24, 2022  
Date Reported : Oct 28, 2022  
Report Number : 2476681-2

Page 1 of 1

**Sample Number** 22119088-2  
**Sampled Date** Oct 18, 2022  
**Sample Description** Air Quality  
**Location** Bitumen Gantry  
**Date Analysis Commenced** Oct 25, 2022  
**Condition of Sample** Drawn into one 6-L Canister and one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Total Hydrocarbon	09:00 AM - 05:00 PM	ppm	-	-	3.1	EPA 40 CFR Part 50	Bangkok

**Sampled By** : Thanit Janjop

Remark :

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Approved by

*Saranya C.*

Saranya Chalermthamrong  
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## Analysis / Test Report

**Client :** The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4537869301

**Project Name :**

**Project Location :** BDN Depot / Suratthani

**Lot ID: 22119088**

Date Received : Oct 24, 2022

Date Reported : Oct 28, 2022

Report Number : 2476681-3

Page 1 of 1

**Sample Number** 22119088-2  
**Sampled Date** Oct 18, 2022  
**Sample Description** Air Quality  
**Location** Bitumen Gantry  
**Date Analysis Commenced** Oct 25, 2022  
**Condition of Sample** Drawn into one 6-L Canister and one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Benzene	18/10/22 - 19/10/22	ug/m3	0.05	0.16	1.41	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong

**Guideline :**

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

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

**Sampled By :** Thanit Janjop

**Remark :**

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

Approved by

Dej Changchon  
Senior Manager

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## Analysis / Test Report

**Client** : The Shell Company of Thailand Limited  
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110  
**P/O** : 4537869301  
**Project Name** :  
**Project Location** : BDN Depot / Suratthani

**Lot ID: 22119088**

Date Received : Oct 24, 2022  
Date Reported : Oct 28, 2022  
Report Number : 2476682-2

Page 1 of 1

**Sample Number** 22119088-3  
**Sampled Date** Oct 18, 2022  
**Sample Description** Air Quality  
**Location** Suntisuk School  
**Date Analysis Commenced** Oct 25, 2022  
**Condition of Sample** Drawn into one 6-L Canister and one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Total Hydrocarbon	10:00 AM - 06:00 PM	ppm	-	-	4.8	EPA 40 CFR Part 50	Bangkok

**Sampled By** : Thanit Janjop

Remark :

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Approved by

*Saranya C.*

Saranya Chalermthamrong  
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## Analysis / Test Report

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10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4537869301

**Project Name :**

**Project Location :** BDN Depot / Suratthani

**Lot ID: 22119088**

Date Received : Oct 24, 2022

Date Reported : Oct 28, 2022

Report Number : 2476682-3

Page 1 of 1

**Sample Number** 22119088-3  
**Sampled Date** Oct 18, 2022  
**Sample Description** Air Quality  
**Location** Suntisuk School  
**Date Analysis Commenced** Oct 25, 2022  
**Condition of Sample** Drawn into one 6-L Canister and one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Benzene	18/10/22 - 19/10/22	ug/m3	0.05	0.16	0.70	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong

**Guideline :**

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

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

**Sampled By :** Thanit Janjop

**Remark :**

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

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

Approved by

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