

ภาคผนวก



ภาคผนวก ก

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม



ภาคผนวก ก-1

ผลการติดตามตรวจสอบคุณภาพน้ำจากระบบบำบัดน้ำเสีย



ANALYSIS REPORT

CUSTOMER NAME : PTG ENERGY PUBLIC COMPANY LIMITED
ADDRESS : 90 CW TOWER A (33RD FLOOR) HUAI KHWANG HUAI KHWANG BANGKOK 10310
CONTACT INFORMATION : TEL : 08 0704 1457 e-mail : rattanawadee.ke@pt.co.th
SAMPLING SOURCE : MAE KLONG PETROLEUM TERMINAL SAMUT SONGKHRAM
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : APRIL 29, 2022
SAMPLING TIME : 11:15 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR PORAWORN BUNNAG
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : APRIL 29, 2022
ANALYTICAL DATE : APRIL 29-MAY 11, 2022
REPORT NO. : 2022-U034673
WORK NO. : 2022-001034
ANALYSIS NO. : T22AI070-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			POND API T22AI070-0003	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H* B)	8.1 (30°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: 5220 C)	ND	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	1,006	25
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN	

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

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

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

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

ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

MAY 13, 2022



ANALYSIS REPORT

CUSTOMER NAME : PTG ENERGY PUBLIC COMPANY LIMITED
ADDRESS : 90 CW TOWER A (33RD FLOOR) HUAI KHWANG HUAI KHWANG BANGKOK 10310
CONTACT INFORMATION : TEL : 06 4949 6197 e-mail : sirinet.si@pt.co.th
SAMPLING SOURCE : MAE KLONG PETROLEUM TERMINAL SAMUT SONGKHRAM
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : APRIL 29, 2022
SAMPLING TIME : 10:35 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR PORAWORN BUNNAG
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : APRIL 29, 2022
ANALYTICAL DATE : APRIL 29-MAY 11, 2022
REPORT NO. : 2022-U034674
WORK NO. : 2022-001034
ANALYSIS NO. : T22AI070-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			POND A T22AI070-0004	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	8.2 (28°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O ₂ G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: 5220 C)	ND	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	9.5	5.0
TOTAL DISSOLVED SOLIDS ^c	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	1,080	25
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN	

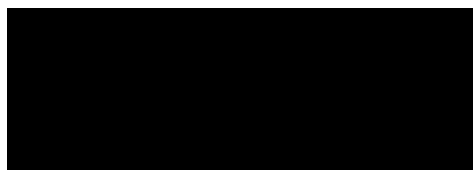
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MAY 13, 2022



ANALYSIS REPORT

CUSTOMER NAME : PTG ENERGY PUBLIC COMPANY LIMITED
ADDRESS : 90 CW TOWER A (33RD FLOOR) HUAI KHWANG HUAI KHWANG BANGKOK 10310
CONTACT INFORMATION : TEL : 06 4949 6197 e-mail : sirinet.si@pt.co.th
SAMPLING SOURCE : MAE KLONG PETROLEUM TERMINAL SAMUT SONGKHRAM
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : APRIL 29, 2022
SAMPLING TIME : 10:55 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PORAWORN BUNNAG
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : APRIL 29, 2022
ANALYTICAL DATE : APRIL 29-MAY 11, 2022
REPORT NO. : 2022-U034675
WORK NO. : 2022-001034
ANALYSIS NO. : T22AI070-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			POND D T22AI070-0005	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	8.0 (30°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O ₂ G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: 5220 C)	ND	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	1,402	25
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN	

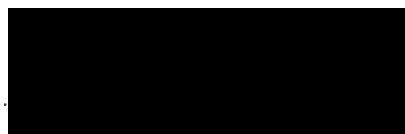
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ANALYSIS REPORT

CUSTOMER NAME : PTG ENERGY PUBLIC COMPANY LIMITED
ADDRESS : 90 CW TOWER A (33RD FLOOR) HUAI KHWANG HUAI KHWANG BANGKOK 10310
CONTACT INFORMATION : TEL : 08 0704 1457 e-mail : rattanawadee.ke@pt.co.th
SAMPLING SOURCE : MAE KLONG PETROLEUM TERMINAL SAMUT SONGKHRAM
SAMPLE TYPE : EFFLUENT **RECEIVED DATE** : MAY 30, 2022
SAMPLING DATE : MAY 30, 2022 **ANALYTICAL DATE** : MAY 30-JUNE 6, 2022
SAMPLING TIME : 09:25 HOUR **REPORT NO.** : 2022-U043029
SAMPLING METHOD ^c : GRAB **WORK NO.** : 2022-001034
SAMPLING BY ^c : MR ACHITA SAENGJAN **ANALYSIS NO.** : T22AK234-0001
ANALYZED BY : MR THAPAGORN PIMSORN

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			POND API T22AK234-0001	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.1 (30°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O ₂ G AND 5210 B)	2.2	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: 5220 C)	ND	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	1,020	25
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			YELLOW	


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LABORATORY SUPERVISOR

JUNE 10, 2022



ANALYSIS REPORT

CUSTOMER NAME : PTG ENERGY PUBLIC COMPANY LIMITED
ADDRESS : 90 CW TOWER A (33RD FLOOR) HUAI KHWANG HUAI KHWANG BANGKOK 10310
CONTACT INFORMATION : TEL : 08 0704 1457 e-mail : rattanawadee.ke@pt.co.th
SAMPLING SOURCE : MAE KLONG PETROLEUM TERMINAL SAMUT SONGKHRAM
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : MAY 30, 2022
SAMPLING TIME : 09:30 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR ACHITA SAENGJAN
ANALYZED BY : MR THAPAGORN PIMSORN

RECEIVED DATE : MAY 30, 2022
ANALYTICAL DATE : MAY 30-JUNE 6, 2022
REPORT NO. : 2022-U043030
WORK NO. : 2022-001034
ANALYSIS NO. : T22AK234-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			POND A T22AK234-0002	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.3 (30°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O ₂ G AND 5210 B)	2.4	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: 5220 C)	ND	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	1,160	25
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			YELLOW	

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LABORATORY SUPERVISOR

JUNE 10, 2022



ANALYSIS REPORT

CUSTOMER NAME : PTG ENERGY PUBLIC COMPANY LIMITED
ADDRESS : 90 CW TOWER A (33RD FLOOR) HUAI KHWANG HUAI KHWANG BANGKOK 10310
CONTACT INFORMATION : TEL : 08 0704 1457 e-mail : rattanawadee.ke@pt.co.th
SAMPLING SOURCE : MAE KLONG PETROLEUM TERMINAL SAMUT SONGKHRAM
SAMPLE TYPE : EFFLUENT **RECEIVED DATE** : MAY 30, 2022
SAMPLING DATE : MAY 30, 2022 **ANALYTICAL DATE** : MAY 30-JUNE 6, 2022
SAMPLING TIME : 09:15 HOUR **REPORT NO.** : 2022-U043031
SAMPLING METHOD ^c : GRAB **WORK NO.** : 2022-001034
SAMPLING BY ^c : MR ACHITA SAENGJAN **ANALYSIS NO.** : T22AK234-0003
ANALYZED BY : MR THAPAGORN PIMSORN

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			POND D T22AK234-0003	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.0 (30°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O ₂ G AND 5210 B)	2.4	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: 5220 C)	ND	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	994	25
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

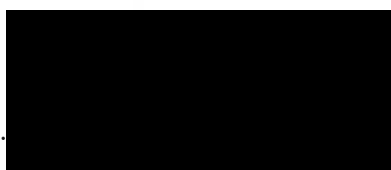
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LABORATORY SUPERVISOR

JUNE 10, 2022



ภาคผนวก ก-2

ผลการติดตามตรวจสอบคุณภาพน้ำในแม่น้ำแม่กลอง



ANALYSIS REPORT

CUSTOMER NAME : PTG ENERGY PUBLIC COMPANY LIMITED
ADDRESS : 90 CW TOWER A (33RD FLOOR) HUAI KHWANG HUAI KHWANG BANGKOK 10310
CONTACT INFORMATION : TEL : 08 0704 1457 e-mail : rattanawadee.ke@pt.co.th
SAMPLING SOURCE : MAE KLONG RIVER (NORTH)
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : APRIL 29, 2022
SAMPLING TIME : 08:30 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR PORAWORN BUNNAG
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : APRIL 29, 2022
ANALYTICAL DATE : APRIL 29-MAY 11, 2022
REPORT NO. : 2022-U034671
WORK NO. : 2022-001034
ANALYSIS NO. : T22AI070-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			SURFACE WATER T22AI070-0001	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.7 (31°C)	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	1.2	1.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: 5220 C)	ND	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	415	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	5,055	25
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN	

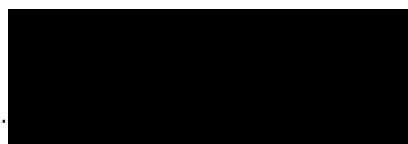
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LABORATORY SUPERVISOR

MAY 13, 2022



ANALYSIS REPORT

CUSTOMER NAME : PTG ENERGY PUBLIC COMPANY LIMITED
ADDRESS : 90 CW TOWER A (33RD FLOOR) HUAI KHWANG HUAI KHWANG BANGKOK 10310
CONTACT INFORMATION : TEL : 08 0704 1457 e-mail : rattanawadee.ke@pt.co.th
SAMPLING SOURCE : MAE KLONG RIVER (SOUTH)
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : APRIL 29, 2022
SAMPLING TIME : 09:00 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR PORAWORN BUNNAG
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : APRIL 29, 2022
ANALYTICAL DATE : APRIL 29-MAY 11, 2022
REPORT NO. : 2022-U034672
WORK NO. : 2022-001034
ANALYSIS NO. : T22AI070-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			SURFACE WATER T22AI070-0002	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H* B)	7.8 (31°C)	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	1.1	1.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: 5220 C)	32.0	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	36.2	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	6,030	25
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN	

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ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

MAY 13, 2022



ANALYSIS REPORT

CUSTOMER NAME	: PTG ENERGY PUBLIC COMPANY LIMITED	RECEIVED DATE	: MAY 30, 2022
ADDRESS	: 90 CW TOWER A (33RD FLOOR) HUAI KHWANG HUAI KHWANG BANGKOK 10310	ANALYTICAL DATE	: MAY 30-JUNE 6, 2022
CONTACT INFORMATION	: TEL : 08 0704 1457 e-mail : rattanawadee.ke@pt.co.th	REPORT NO.	: 2022-U043032
SAMPLING SOURCE	: MAE KLONG RIVER (NORTH)	WORK NO.	: 2022-001034
SAMPLE TYPE	: SURFACE WATER	ANALYSIS NO.	: T22AK233-0001
SAMPLING DATE	: MAY 30, 2022		
SAMPLING TIME	: 10:26 HOUR		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: MR PANUWAT PUMITINSEE		
ANALYZED BY	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			SURFACE WATER T22AK233-0001	
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.9 (31°C)	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	12	1.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: 5220 C)	ND	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	39.1	5.0
TOTAL DISSOLVED SOLIDS ^c	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	1,716	25
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			BROWN	

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CONTACT INFORMATION : TEL : 08 0704 1457 e-mail : rattanawadee.ke@pt.co.th
SAMPLING SOURCE : MAE KLONG RIVER (SOUTH)
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : MAY 30, 2022
SAMPLING TIME : 10:14 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PANUWAT PUMITINSEE
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : MAY 30, 2022
ANALYTICAL DATE : MAY 30-JUNE 6, 2022
REPORT NO. : 2022-U043033
WORK NO. : 2022-001034
ANALYSIS NO. : T22AK233-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			SURFACE WATER T22AK233-0002	
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	8.0 (31°C)	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	1.3	1.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: 5220 C)	ND	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	24.3	5.0
TOTAL DISSOLVED SOLIDS ^c	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	1,808	25
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	

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

ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

JUNE 10, 2022



ภาคผนวก ก-3

ผลการติดตามตรวจสอบปิโตรเลียมไฮโดรคาร์บอนทั้งหมด



ANALYSIS REPORT

CUSTOMER NAME : PTG ENERGY PUBLIC COMPANY LIMITED
ADDRESS : 90 CW TOWER A (33RD FLOOR) HUAI KHWANG HUAI KHWANG BANGKOK 10310
CONTACT INFORMATION : TEL : 08 0704 1457 e-mail : rattanawadee.ke@pt.co.th
SAMPLING SOURCE : MAE KLONG RIVER
SAMPLE TYPE : SEDIMENT
SAMPLING DATE : MAY 30, 2022
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB
SAMPLING BY : MR PANUWAT PUMITINSEE
ANALYZED BY : MR THAPAGORN PIMSORN

RECEIVED DATE : MAY 31, 2022
ANALYTICAL DATE : MAY 31-JULY 5, 2022
REPORT NO. : 2022-U052542
WORK NO. : 2022-001034
ANALYSIS NO. : T22AK338-0001, T22AK338-0004, T22AK338-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			1 10:26 HOUR 1/ T22AK338-0001	2 10:20 HOUR 1/ T22AK338-0004	3 10:14 HOUR 1/ T22AK338-0007
TOTAL PETROLEUM HYDROCARBONS	mg/kg (dry weight)	SOXHLET EXTRACTION METHOD (SM: 5520 E AND 5520 F)	210	281	202
SAMPLE CONDITION			BROWN SEDIMENT	BROWN SEDIMENT	BLACK SEDIMENT

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

RESULT 1 : แม่น้ำแม่กลอง (ทิศเหนือ) - ตะกอนดิน

RESULT 2 : แม่น้ำแม่กลอง - หอยกระปุก

RESULT 3 : แม่น้ำแม่กลอง (ทิศใต้) - ปลากระบอก

LABORATORY SUPERVISOR

JULY 7, 2022



ANALYSIS REPORT

CUSTOMER NAME : PTG ENERGY PUBLIC COMPANY LIMITED
ADDRESS : 90 CW TOWER A (33RD FLOOR) HUAI KHWANG HUAI KHWANG BANGKOK 10310
CONTACT INFORMATION : TEL : 06 4949 6197 e-mail : sirinet.si@pt.co.th
SAMPLING SOURCE : MAE KLONG RIVER
SAMPLE TYPE : FISH
SAMPLING DATE : MAY 30, 2022
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB
SAMPLING BY : MR PANUWAT PUMITINSEE
ANALYZED BY : MR THAPAGORN PIMSORN

RECEIVED DATE : MAY 31, 2022
ANALYTICAL DATE : MAY 31-JULY 5, 2022
REPORT NO. : 2022-U052544
WORK NO. : 2022-001034
ANALYSIS NO. : T22AK338-0003, T22AK338-0006, T22AK338-0009

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			1 15:00 HOUR 1/ T22AK338-0003	2 15:50 HOUR 1/ T22AK338-0006	3 16:30 HOUR 1/ T22AK338-0009
TOTAL PETROLEUM HYDROCARBONS	mg/kg	SOXHLET EXTRACTION METHOD (SM: 5520 E AND 5520 F)	137	118	129
SAMPLE CONDITION			FISH	FISH	FISH

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

RESULT 1 : แม่น้ำแม่กลอง (ทิศเหนือ) - ดะกอนดิน

RESULT 2 : แม่น้ำแม่กลอง - หอยกระปุก

RESULT 3 : แม่น้ำแม่กลอง (ทิศใต้) - ปลากระบอก

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LABORATORY SUPERVISOR

JULY 7, 2022



ANALYSIS REPORT

CUSTOMER NAME : PTG ENERGY PUBLIC COMPANY LIMITED
ADDRESS : 90 CW TOWER A (33RD FLOOR) HUAI KHWANG HUAI KHWANG BANGKOK 10310
CONTACT INFORMATION : TEL : 06 4949 6197 e-mail : sirinet.si@pt.co.th
SAMPLING SOURCE : MAE KLONG RIVER
SAMPLE TYPE : AQUATIC ANIMAL
SAMPLING DATE : MAY 30, 2022
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB
SAMPLING BY : MR PANUWAT PUMITINSEE
ANALYZED BY : MR THAPAGORN PIMSORN

RECEIVED DATE : MAY 31, 2022
ANALYTICAL DATE : MAY 31-JULY 5, 2022
REPORT NO. : 2022-U052543
WORK NO. : 2022-001034
ANALYSIS NO. : T22AK338-0002, T22AK338-0005, T22AK338-0008

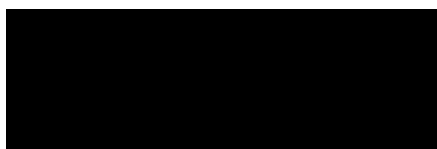
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			1 14:30 HOUR 1/ T22AK338-0002	2 15:30 HOUR 1/ T22AK338-0005	3 16:00 HOUR 1/ T22AK338-0008
TOTAL PETROLEUM HYDROCARBONS	mg/kg	SOXHLET EXTRACTION METHOD (SM: 5520 E AND 5520 F)	232	236	198
SAMPLE CONDITION			SHELLFISH	SHELLFISH	SHELLFISH

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

RESULT 1 : แม่น้ำแม่กลอง (ทิศเหนือ) - ตะกอนดิน

RESULT 2 : แม่น้ำแม่กลอง - หอยกระปุก

RESULT 3 : แม่น้ำแม่กลอง (ทิศใต้) - ปลากระบอก



LABORATORY SUPERVISOR

JULY 7, 2022

