

ภาคผนวกที่ 15

รายงานวิเคราะห์ควบคุมการปนเปื้อนในน้ำใต้ดิน



ANALYSIS REPORT

CUSTOMER NAME : SIAM CHEMICALS PUBLIC COMPANY
ADDRESS : 196 MOO 1 SUK SAWAT ROAD PAK KHLONG BANG PLA KOT PHRA SAMUT CHEDI SAMUT PRAKAN 10290
CONTACT INFORMATION : TEL : 06 2374 2691 e-mail : safetyofficer@siamchemicals.co.th
SAMPLING SOURCE : SIAM CHEMICALS PUBLIC COMPANY
SAMPLE TYPE : GROUNDWATER
MEASURING DATE : DECEMBER 24, 2024
MEASURING TIME : 14:50 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP*
MEASURED BY : MR ACHITA SAENGJAN ว-145-จ-0044

RECEIVED DATE : -
ANALYTICAL DATE : -
ISSUE DATE : JANUARY 20, 2025
REPORT NO. : 2025-U002510
WORK NO. : 2024-009364
ANALYSIS NO. : T24BE249-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			MW2 (โรงผลิต) T24BE249-0002
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B	6.8 (32.9°C)
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BLACK

^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.

* ประกาศกรมโรงงานอุตสาหกรรม เรื่อง คู่มือการเก็บตัวอย่างดินและน้ำใต้ดิน ลงวันที่ 20 เมษายน 2560

Theerawat Chomming.

(MR THEERAWAT CHOMMING)
LABORATORY SUPERVISOR
ว-145-ค-0016



ANALYSIS REPORT

CUSTOMER NAME : SIAM CHEMICALS PUBLIC COMPANY
ADDRESS : 196 MOO 1 SUK SAWAT ROAD PAK KHLONG BANG PLA KOT PHRA SAMUT CHEDI SAMUT PRAKAN 10290
CONTACT INFORMATION : TEL : 06 2374 2691 e-mail : safetyofficer@siamchemicals.co.th
SAMPLING SOURCE : SIAM CHEMICALS PUBLIC COMPANY
SAMPLE TYPE : GROUNDWATER
MEASURING DATE : DECEMBER 24, 2024
MEASURING TIME : 14:50 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP*
MEASURED BY : MR ACHITA SAENGJAN

RECEIVED DATE : -
ANALYTICAL DATE : -
ISSUE DATE : JANUARY 20, 2025
REPORT NO. : 2025-U003705
WORK NO. : 2024-009364
ANALYSIS NO. : T24BE249-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			MW2 (โรงงาน) T24BE249-0002	
TEMPERATURE	°C	LABORATORY AND FIELD METHODS (SM: PART 2550 B)	32.9	-
ELECTRICAL CONDUCTIVITY	µS/cm	ELECTRICAL CONDUCTIVITY METHOD (AT SITE) SM: PART 2510 B AND 1060 B	19,602 (32.9°C)	0.1
SALINITY	ppt	ELECTRICAL CONDUCTIVITY METHOD (AT SITE) SM: PART 2520 B AND 1060 B	9.8	0.1
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BLACK	

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24TH EDITION, 2023.

Theerawat Chomming.
.....
(MR THEERAWAT CHOMMING)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : SIAM CHEMICALS PUBLIC COMPANY
ADDRESS : 196 MOO 1 SUK SAWAT ROAD PAK KHLONG BANG PLA KOT PHRA SAMUT CHEDI SAMUT PRAKAN 10290
CONTACT INFORMATION : TEL : 06 2374 2691 e-mail : safetyofficer@siamchemicals.co.th
SAMPLING SOURCE : SIAM CHEMICALS PUBLIC COMPANY
SAMPLE TYPE : GROUNDWATER
MEASURING DATE : DECEMBER 24, 2024
MEASURING TIME : 15:20 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP*
MEASURED BY : MR ACHITA SAENGJAN

RECEIVED DATE : -
ANALYTICAL DATE : -
ISSUE DATE : JANUARY 20, 2025
REPORT NO. : 2025-U003703
WORK NO. : 2024-009364
ANALYSIS NO. : T24BE249-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			MW1 (โพรงผลิต) T24BE249-0001	
TEMPERATURE	°C	LABORATORY AND FIELD METHODS (SM: PART 2550 B)	29.2	-
ELECTRICAL CONDUCTIVITY	µS/cm	ELECTRICAL CONDUCTIVITY METHOD (AT SITE) SM: PART 2510 B AND 1060 B	12,850 (29.2°C)	0.1
SALINITY	ppt	ELECTRICAL CONDUCTIVITY METHOD (AT SITE) SM: PART 2520 B AND 1060 B	6.8	0.1
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BLACK	

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24TH EDITION, 2023.

Theerawat Chomming.

(MR THEERAWAT CHOMMING)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : SIAM CHEMICALS PUBLIC COMPANY
ADDRESS : 196 MOO 1 SUK SAWAT ROAD PAK KHLONG BANG PLA KOT PHRA SAMUT CHEDI SAMUT PRAKAN 10290
CONTACT INFORMATION : TEL : 06 2374 2691 e-mail : safetyofficer@siamchemicals.co.th
SAMPLING SOURCE : SIAM CHEMICALS PUBLIC COMPANY
SAMPLE TYPE : GROUNDWATER
MEASURING DATE : DECEMBER 24, 2024
MEASURING TIME : 15:20 HOUR
SAMPLING METHOD : SUBMERSIBLE PUMP*
MEASURED BY : MR ACHITA SAENGJAN ว-145-จ-0044

RECEIVED DATE : -
ANALYTICAL DATE : -
ISSUE DATE : JANUARY 20, 2025
REPORT NO. : 2025-U002506
WORK NO. : 2024-009364
ANALYSIS NO. : T24BE249-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			MW1 (โรงผลิต) T24BE249-0001
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B	6.8 (29.2°C)
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BLACK

^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.

* ประกาศกรมโรงงานอุตสาหกรรม เรื่อง คู่มือการเก็บตัวอย่างดินและน้ำใต้ดิน ลงวันที่ 20 เมษายน 2560

Theerawat Chomming.

(MR THEERAWAT CHOMMING)
LABORATORY SUPERVISOR
ว-145-ค-0016



ANALYSIS REPORT

CUSTOMER NAME : SIAM CHEMICALS PUBLIC COMPANY
ADDRESS : 196 MOO 1 SUK SAWAT ROAD PAK KHLONG BANG PLA KOT PHRA SAMUT CHEDI SAMUT PRAKAN 10290
CONTACT INFORMATION : TEL : 06 2374 2691 e-mail : safetyofficer@siamchemicals.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : BLANK (GROUNDWATER) **RECEIVED DATE** : DECEMBER 24, 2024
SAMPLING DATE : - **ANALYTICAL DATE** : DECEMBER 24, 2024 - JANUARY 8, 2025
SAMPLING TIME : - **ISSUE DATE** : JANUARY 10, 2025
SAMPLING METHOD : - **REPORT NO.** : 2025-U002504
SAMPLING BY : - **WORK NO.** : 2024-009364
ANALYZED BY : MISS WORAKON PADSONGCHAN **ANALYSIS NO.** : 2024-EB0266

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EQUIPMENT BLANK 2024-EB0266		
TOTAL PETROLEUM HYDROCARBON*					
TPH (C ₅ -C ₉)	mg/L	PURGE AND TRAP, GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (US EPA 2003: 5030C AND 2018: 8260D)	ND	0.040	-
TPH (C ₉ -C ₁₀)	mg/L	GAS CHROMATOGRAPHIC (FID) METHOD (US EPA 2003: 8015D)	ND	0.016	-
TPH (C ₁₀ -C ₃₅)	mg/L	GAS CHROMATOGRAPHIC (FID) METHOD (US EPA 2003: 8015D)	ND	0.042	-
VOLATILE ORGANIC COMPOUNDS					
TOLUENE	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: PART 6200 B)	< 0.0002	-	0.0002
XYLENE (TOTAL)	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: PART 6200 B)	< 0.0006	-	0.0006
ACETONE	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: PART 6200 B)	< 0.0010	-	0.0010
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

ND : NOT DETECTED.

Benjawan V.

(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR



ANALYSIS REPORT

PROJECT NAME : โครงการควบคุมการปนเปื้อนในดินและน้ำใต้ดินภายในบริเวณโรงงาน
CUSTOMER NAME : SIAM CHEMICALS PUBLIC COMPANY
ADDRESS : 196 MOO 1 SUK SAWAT ROAD PAK KHLONG BANG PLA KOT PHRA SAMUT CHEDI SAMUT PRAKAN 10290
CONTACT INFORMATION : TEL : 06 2374 2691 e-mail : safetyofficer@siamchemicals.co.th
SAMPLING SOURCE : SIAM CHEMICALS PUBLIC COMPANY
SAMPLE TYPE : SOIL
RECEIVED DATE : DECEMBER 24, 2024
SAMPLING DATE : DECEMBER 24, 2024
ANALYTICAL DATE : DECEMBER 24-27, 2024
SAMPLING TIME : 1/
ISSUE DATE : JANUARY 10, 2025
SAMPLING METHOD ° : UNDISTURBED
REPORT NO. : 2025-U002529
SAMPLING BY ° : MR ACHITA SAENGJAN จ-145-จ-0044
WORK NO. : 2024-008845
ANALYZED BY : MISS JINTASUPA PLIANSRI จ-145-จ-0065
ANALYSIS NO. : T24BE251-0001 - T24BE251-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			1 15:30 HOUR 1/ T24BE251-0001	2 14:55 HOUR 1/ T24BE251-0002
pH (1:1) ^b	-	ELECTROMETRIC METHOD (US EPA 2004: 9045D)	7.6 (25°C)	7.7 (25°C)
SAMPLE CONDITION			BROWN SOIL	BROWN SOIL

^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

RESULT 1 : SOIL1 (โรงผลิต)

RESULT 2 : SOIL2 (โรงผลิต)

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR
จ-145-ค-0004



ANALYSIS REPORT

CUSTOMER NAME : SIAM CHEMICALS PUBLIC COMPANY
ADDRESS : 196 MOO 1 SUK SAWAT ROAD PAK KHLONG BANG PLA KOT PHRA SAMUT CHEDI SAMUT PRAKAN 10290
CONTACT INFORMATION : TEL : 06 2374 2691 e-mail : safetyofficer@siamchemicals.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : BLANK (GROUNDWATER) **RECEIVED DATE** : DECEMBER 24, 2024
SAMPLING DATE : - **ANALYTICAL DATE** : DECEMBER 24, 2024 - JANUARY 8, 2025
SAMPLING TIME : - **ISSUE DATE** : JANUARY 10, 2025
SAMPLING METHOD : - **REPORT NO.** : 2025-U002505
SAMPLING BY : - **WORK NO.** : 2024-009364
ANALYZED BY : MISS WORAKON PADSONGCHAN **ANALYSIS NO.** : 2024-FB1410, 2024-TB1344

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 2024-FB1410	2 2024-TB1344		
TOTAL PETROLEUM HYDROCARBON*						
TPH (C ₅ -C ₈)	mg/L	PURGE AND TRAP, GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (US EPA 2003: 5030C AND 2018: 8260D)	ND	ND	0.040	-
TPH (C ₈ -C ₁₀)	mg/L	GAS CHROMATOGRAPHIC (FID) METHOD (US EPA 2003: 8015D)	ND	ND	0.016	-
TPH (C ₁₀ -C ₃₅)	mg/L	GAS CHROMATOGRAPHIC (FID) METHOD (US EPA 2003: 8015D)	ND	ND	0.042	-
VOLATILE ORGANIC COMPOUNDS						
TOLUENE	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: PART 6200 B)	< 0.0002	< 0.0002	-	0.0002
XYLENE (TOTAL)	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: PART 6200 B)	< 0.0006	< 0.0006	-	0.0006
ACETONE	mg/L	PURGE AND TRAP GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD (SM: PART 6200 B)	< 0.0010	< 0.0010	-	0.0010
SAMPLE CONDITION						
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR	COLOURLESS/CLEAR		

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

RESULT 1 : FIELD BLANK

RESULT 2 : TRIP BLANK

ND : NOT DETECTED.

Benjawan V.

(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR

