

ภาคผนวก ข-8

เอกสารรับรองบุคลากรด้านสิ่งแวดล้อม



ที่ อก ๐๓๑๓/ ๑๖๘๓๖

กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๕๐๐

๘ ธันวาคม ๒๕๖๖

เรื่อง หนังสือรับแจ้งการมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน

เรียน ผู้รับใบอนุญาตประกอบกิจการโรงงาน บริษัท กัลป์ เอ็นซี จำกัด

อ้างถึง คำขอเลขที่ ๑๕๕๔ ลงรับวันที่ ๖ ธันวาคม ๒๕๖๖

ตามคำขอที่อ้างถึง ท่านแจ้งการมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน ของ โรงไฟฟ้านนทรี ทะเบียนโรงงานเลขที่ ๔๐๒๕๐๐๐๑๐๒๕๕๕๕ (๓-๘๘(๒)-๑๐/๕๕ ปจ) ประกอบกิจการผลิตพลังงานไฟฟ้าจาก เชื้อเพลิงก๊าซธรรมชาติ ขนาดกำลังการผลิต ๑๔๑ เมกะวัตต์ เพิ่มประเภทหรือชนิดของโรงงานลำดับที่ ๑๐๒ ประกอบกิจการเกี่ยวกับการผลิตและหรือจำหน่ายไอน้ำ ตั้งอยู่ ณ เลขที่ ๔๑๘ หมู่ที่ ๑ ตำบลนนทรี อำเภอบึงนาราง จังหวัดพิจิตร โทรศัพท์ ๐ ๓๗๒๑ ๘๖๓๕ ความละเอียดแจ้งแล้ว นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว รับแจ้งการมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน และให้ท่านยื่นคำขอแจ้งการมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงานครั้งต่อไป ภายในวันที่ ๒๑ ธันวาคม ๒๕๖๙ โดยมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน ดังนี้

ผู้จัดการสิ่งแวดล้อม			นายพนพล เงินโสม		
ลำดับ	ผู้ควบคุมระบบบำบัด	เลขทะเบียน	มลพิษน้ำ	มลพิษอากาศ	มลพิษกากอุตสาหกรรม
๑	นายวรุฒม์ นมะมาตร	๐๒๐-๕๕-๐๐๑๓๕		✓	
ลำดับ	ผู้ปฏิบัติงานประจำระบบบำบัด				
๑	นายประยูร สุดตา			✓	
๒	นายพนพฤทธิ์ พุกเพชร			✓	
๓	นายธีรพงษ์ สุกุลงาม			✓	

หมายเหตุ ๑. การแจ้งการมี/ยกเลิก/เพิ่มเติม/เปลี่ยนแปลง บุคลากรด้านสิ่งแวดล้อมประจำโรงงาน ต้องส่งหนังสือฉบับนี้ด้วย
๒. ยกเลิกหนังสือรับแจ้งการมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน ที่ อก ๐๓๑๓/๑๓๕๕๑ ลงวันที่ ๓๐ ธันวาคม ๒๕๖๔

จึงเรียนมาเพื่อโปรดทราบ

บริษัท กัลป์ เอ็นซี จำกัด	
วันที่ ๒๐/๑๒/๒๖	เวลา ๑๕.๑๐ น.
เลขที่เอกสาร GNC -I- P- 1223 - 102	
ผู้รับ	

ขอแสดงความนับถือ

(นางสาวปัทมวรรณ คุณประเสริฐ)
ผู้อำนวยการกองส่งเสริมเทคโนโลยีสิ่งแวดล้อมโรงงาน
ปฏิบัติราชการแทนอธิบดีกรมโรงงานอุตสาหกรรม

กองส่งเสริมเทคโนโลยีสิ่งแวดล้อมโรงงาน

กลุ่มกำกับบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน

โทรศัพท์ ๐ ๒๔๓๐ ๖๓๑๕ ต่อ ๒๔๐๕

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ภาคผนวก ข-9

กิจกรรมการมีส่วนร่วมกับชุมชนและกิจกรรมชุมชนสัมพันธ์

ผลการปฏิบัติงานด้านกิจกรรมเพื่อสังคม (CSR) ระหว่างเดือนมกราคม-กุมภาพันธ์



วันที่ 9-10 มกราคม 2567 บริษัทของขวัญวันเด็ก



อบต.นนทรีย์



โรงเรียนชุมชนสำพันตา



อบต.กบินทร์



โรงเรียนวัดเกาะแดง

1

ผลการปฏิบัติงานด้านกิจกรรมเพื่อสังคม (CSR) ระหว่างเดือนมกราคม-กุมภาพันธ์



วันที่ 9-10 มกราคม 2567 บริษัทของขวัญวันเด็ก



โรงเรียนวัดศรีสวัสดิ์

โรงเรียนบ้านหนองอนามัย



โรงเรียนวัดสระคู

ผลการปฏิบัติงานด้านกิจกรรมเพื่อสังคม (CSR) ระหว่างเดือนมกราคม-กุมภาพันธ์



วันที่ 8 กุมภาพันธ์ 2567 บริจาคที่นอนให้กับโรงพยาบาล สว.สต.บ้านเกาะแดง



ผลการปฏิบัติงานด้านกิจกรรมเพื่อสังคม (CSR) ระหว่างเดือนมีนาคม – เมษายน 2567



วันที่ 5 เมษายน 2567 ติดตั้งระบบปั้มน้ำประปา โรงเรียนบ้านหนองอนามัย



ผลการปฏิบัติงานด้านกิจกรรมเพื่อสังคม (CSR) ระหว่างเดือนมีนาคม – เมษายน 2567



วันที่ 10-11 เมษายน 2567 บริษัทน้ำดื่ม ให้กับจุดบริการประชาชนช่วงเทศกาลสงกรานต์

อบต.นาแวน



หมวดทางหลวงภินทร์บุรี



อบต.นนทบุรี

5

ผลการปฏิบัติงานด้านกิจกรรมเพื่อสังคม (CSR) ระหว่างเดือนมีนาคม – เมษายน 2567



วันที่ 24 เมษายน 2567 ส่งมอบอุปกรณ์วิทยาศาสตร์ เพื่อประกอบการเรียนวิทยาศาสตร์ให้กับ โรงเรียนมณีเสวต



6

ที่ ศธ ๐๔๒๓๗.๑๘ /๑๖๒



โรงเรียนมณีเสวตรอุปถัมภ์
ตำบลสำพันตา อำเภอนาดี
จังหวัดปราจีนบุรี ๒๕๒๒๐

๑๔ พฤษภาคม ๒๕๖๗

เรื่อง ขออนุญาตขอให้ให้นักเรียนเข้าเยี่ยมชมโรงไฟฟ้าพนนทรี

เรียน ผู้จัดการบริษัท กัลฟ์ เอ็นชี จำกัด


ตามที่กลุ่มสาระการเรียนรู้วิทยาศาสตร์และเทคโนโลยี โรงเรียนมณีเสวตรอุปถัมภ์ ได้กำหนดจัดค่ายวิทยาศาสตร์ ประจำปีการศึกษา ๒๕๖๗ เพื่อเพิ่มพูนความรู้ทางด้านวิทยาศาสตร์และสิ่งแวดล้อม ส่งเสริมให้นักเรียนเป็นผู้ที่มีทักษะทางวิทยาศาสตร์รอบด้าน อาทิ ทักษะการสังเกต ทักษะการวัด หรือแม้แต่เทคนิค วิธีการ ซึ่งจะรวมเข้าเป็นกระบวนการการศึกษาทางวิทยาศาสตร์

เพื่อให้โครงการมีประสิทธิภาพและประสิทธิผลเกิดประโยชน์สูงสุด โรงเรียนมณีเสวตรอุปถัมภ์จึงขออนุญาต ขอให้คณะครูและนักเรียนโรงเรียนมณีเสวตรอุปถัมภ์ จำนวน ๘๐ คน เข้าเยี่ยมชม ณ โรงไฟฟ้าพนนทรี ในวันที่ ๓๑ กรกฎาคม - ๑ สิงหาคม ๒๕๖๗ ทั้งนี้ได้มอบหมายให้คุณครูปาริชาติ แก้วสาร หมายเลขโทรศัพท์ ๐๘๑-๙๒๒๕๘๘๖ เป็นผู้ประสานงานโดยตรง

ในการนี้โรงเรียนมณีเสวตรอุปถัมภ์ขอขอบพระคุณเป็นอย่างสูง และหวังเป็นอย่างยิ่งว่าจะได้รับความอนุเคราะห์จากท่านด้วยดีตลอดไป

จึงเรียนมาเพื่อโปรดทราบ

(นายบุญเลิศ ทองเพ็ญ)
ผู้อำนวยการโรงเรียนมณีเสวตรอุปถัมภ์

บริษัท กัลฟ์ เอ็นชี จำกัด	
วันที่ 18/6/24	เวลา 14.00 น.
เลขที่เอกสาร GNC -I-P-0624-091	
ผู้รับ	

“เรียนดี มีความสุข”

ภาคผนวก ข-10

เอกสารข้อกำหนดข้อมูลจำเพาะของเครื่องจักรและอุปกรณ์ที่มีเสียงดัง



Gulf MP Company Limited 12SPP Project

Applicable Projects: GNC
Requisition No: FXGB001
EPJ-GNC-002-M-121-209 [A]
System description and control philosophy

FOR APPROVAL

POYRY ENERGY LTD. Document Submission Approval	
APPROVED	AP
APPROVED WITH COMMENTS Approved subject to Incorporation of comments	AWC X
NOT APPROVED Insufficient information/detail Resubmit for Approval	NAP
REJECTED Complete redesign required	REJ
Note. Approval or does not relieve Vendor/Sub-Contractor of any obligations covered under contract	
Engineer: Harijanto A	
Discipline: 4 Jan 2017	
Date:	

System No.

Equipment No.

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364	Vendor Doc. No.: BC023116	Page 2 of 25

Revision History

Rev.A: FOR APPROVAL

System design Philosophy and process description

Project #: 364
Project name: 364 GNC
Rev.: 00

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DESCRIPTION OF EQUIPMENT

When reading this chapter please refer to:

- Piping and Instrument Diagram **EPJ-GNC-002-M-121-211** (364.SC.001)
- Main layout drawings **EPJ-GNC-002-M-121-224** (364.OG.001)
- Mechanical interface list **EPJ-GNC-002-M-121-241** (364TS-4-05)
- Electrical interface list **EPJ-GNC-002-M-121-226** (364TS-4-06)
- Data sheet **EPJ-GNC-002-M-121-212** (364TS-4-12)

Main purpose of Gas Compressor Package (GCP) is to provide compressed gas to the consumers downstream of GCP keeping stable parameters of gas. In order to realize it GCP is equipped with all required and necessary systems accordingly contractual obligations and technical requirements for such kind of equipment and represents as a skid with mounted equipment GCP.

Model of functioning of GCP is following:

Inlet gas line

Through the external connection point on skid edge gas comes into GCP inlet gas line.

Before to get into compressor gas goes through the inlet hand valve HV 100, pneumatically actuate valve SV131-2, filling valve SV169-2, inlet gas filter FS175, check valve RV108, thermo compensator EJ109 and inlet filter strainer FS110. Inlet gas line is also equipped by the visual pressure gauge PI103, transmitting pressure PIT105 and temperature TIT107 transmitters in order to control conditions of the gas in the line.

Compressor

After inlet line, gas goes to the compressor K111 which is driven by the motor M112 and which are coupled by coupling C177. Coupling is covered in order not to hurt maintenance personal during the operation of GCP. Compressor is oil flooded screw compressor and it is equipped with following instruments:

- Slide position transmitter GI 168
- Vibration transmitter YIZ 111-13

Motor is equipped with the following instruments and auxiliaries:

- Temperature transmitters of winding TIA 112-5, TIA 112-6, TIA 112-7

Inside compressor gas is mixed with the oil, compresses and goes to outlet line.

Outlet gas-oil line

Mixture of compressed gas and oil leaves compressor and goes to oil separator B200 via thermo compensator EJ117. Line between compressor and oil separator is equipped by the visual (pressure gauge PI115), and transmitting (pressure transmitter PIT124, temperature transmitter TIT116 and pressure transmitter PIT113-I, II, III and temperature transmitters TIT114-I, II, III) instruments to control mixture conditions. Oil separator represents as vessel where under the action of gravity most of the oil is separating from the mixture and remain in separator which also functions as oil tank. On the top part of oil separator integrated coalescing filter cartridges FSE 120-A going through which gas is filtering from the oil in vapour phase. Oil separator is equipped by the following instruments and auxiliaries:

- Visual oil level meter LI 202 and oil level transmitter LIA 210-1
- Differential pressure transmitter for controlling of the dirtiness of the coalescent cartridges PDIA 120-1
- Pressure safety valve PSV 138 connected with the vent line tracked to the skid edge
- Drain and filling line with hand valve HV 220

Separated in coalescent cartridges oil through the orifices FO120-3, goes to the inlet line of the GCP under the action of different pressure between inlet and outlet lines.

Gas outlet line

Separated gas goes further to the gas cooler W119 which represented and shell-tube heat exchanger, where it is cooled by cooling water in order to keep required temperature of gas, measured by temperature transmitter TIT125. Then on the second stage of separation (gas filters FS 122 and FS121 which are represented as vertical vessel with integrated filter cartridges) remaining part of vaporized is separating from the gas and directing through the visual glasses FG 122-4 and FG 121-4 and check valves RV 122-5 and RV 121-5 to the inlet line of the GCP under the action of different pressure between inlet and outlet lines. In order to control conditions of filter cartridges, gas filter is equipped by differential pressure

transmitter PDIA 122-1 and PDIA 121-1. After filtration oil contamination is less than 0,5 ppm. After second stage of filtration gas goes through the check valve RV129, pneumatically actuated outlet valve SV130-2 and outlet hand valve HV 148 to the external connection point on the skid edge. In case of need to vent gas there is a branch pipe line with the hand valve HV 135-3 and pneumatically actuated vent valve SV135-2 which goes to the vent line from safety valve of the package. HV 135-3 is used for the maintenance purposes and normally closed in operations.

Oil line

Oil separated in oil separator B200 under the action of outlet pressure goes to the oil heat exchanger W203. Cooled oil goes to oil filter FS 206 represented as two vertical 100% flow vessels with filter cartridges FSE 206 connected with each other by three way valve in order to let GCP continue operation with one dirtied filter. Level of dirtiness of the filter cartridge is controlled by differential pressure transmitter PDIA 206-1 connected to the common lines of the oil filter

After the filtration, the oil line goes to the oil pump P 214-2. In order to keep required pressure difference between outlet pressure of gas and oil mixture and oil pressure, an hydraulically actuated pressure control valve PCV 226 is installed on the oil system. Valve is bypassing oil overflow to the from the outlet line of the pump to the inlet line. In order to prevent unstable operation of the pump during the start of oil pump, oil system is equipped by the line with check valve RV 214-4 installed in order to pass oil to the outlet line of the pump. Oil goes to slide control regulation valve and to the chambers of compressor that require high pressure of the oil to be injected (bearings, mechanical seal etc.). Line between the fine filters and compressor is equipped with the following instruments:

- Oil pressure transmitters PIT 205

Cooling line

In order to cool down oil in oil heat exchanger W 203 and gas in gas heat exchanger W119 there is a liquid cooling line implemented in the GCP. This is open loop line with the inlet and outlet external connections on the skid edge. Inlet cooling line is equipped by the hand shut off valve HV 418-2 and temperature gauge TI 401. Outlet cooling line after the oil heat exchanger W 203 is equipped by the temperature gauge TI 402

Outlet cooling line after the gas heat exchanger W 119 is equipped by the temperature gauge TI 403 and controlled by the control valve TCV440-2 that is regulating the flow of cooling water. After mixing of two cooling water outlet lines, the resulting line goes through hand valve HV418-1 to the skid edge. Cooling down the cooling media is in customer scope as well as cooling water pumping and control of cooling media temperature and/or pressure.

Capacity regulation system

Regulation concept of the project is to keep stable given outlet pressure set point. In order to follow it there are two sub-systems implemented:

- Slide control valve is a hydraulic valve inside the compressor driven by the high pressure oil. This valve changes internal volume of the compression chamber that allows regulating capacity in range between 10 and 100%. Slide is operated by the slide control system FCV 270-1 and FCV 270-2 that consist of solenoid valves that regulate the flow of the oil to move compressor to load or unload direction.
- Pressure control pneumatic valves PCV 123 is connected to outlet line of the GCP with inlet line and provides bypass of the gas from outlet to inlet and regulation in range between 0 and 10% during the operation. However, PCV 123 valve is calculated and designed to provide regulation in full range of capacity (0...100%).

Instrument air line

Most of the actuated valves of the GCP are instrument air actuated. Instrument air line connection point is situated on the skid edge. Further compressed instrument air goes through filter FS504 and pressure transmitters PIT501-I, II, III to the consumers. On each

line there are sets of solenoid valves (MV) that are actuated by the electricity and opening the air flow to the actuator of actuated technological valves.

Enclosure systems

GCP is equipped by the Gas detection system with three gas sensors DAZ 307-1, DAZ 307-2, DAZ 307-3. Gas detectors are set for two set points – 10% LEL and 20% LEL. In case if any detector will recognize 10% LEL, alarm signal will be generated on PLC. In case if any detector will recognize 20% LEL, GCP will be automatically shutted down.

Electrical connections and control panel

In order to organize normal operation of GCP, external electrical connections must be organized:

- Main motor power supply. Main motor must be connected with Medium Voltage Switch Gear (MVSG) by EPC Contractor's cable directly in motor junction box. Pass through the enclosure shall be made through the special Ex-proof cable rack foreseen in enclosure wall (in scope of Enerproject).
- 400 V auxiliary equipment power supply cables are connected by customer directly at the 400 volts terminals of each equipment's (Lube oil pump, Ventilation Fan, Motor heater) while the 400V MCC system is mounted in the PLC cubicle

Control cables are required for the connection of GCP with MVSG and supervision system:

- MVSG must be connected with control cubicle in order to let GCP PLC to interact with main motor and have possibility to proceed with stop sequence in correct way in case of emergency.
- Bus line between packages in order to provide auto start option for compressor un stand by in case of operating compressor will be shut down. Cable is in EPJ scope.
- Signals with supervision are required to have possibility for remote operation of GCP by hard-wire lines. Bus connections with supervision is also foreseen and made in order to let customer current information about working parameters, conditions and active alarm and emergency signals.

GCP is fully automatized and able to keep required operating conditions and follow foreseen operating sequences including start and stop without external intervention.

Measured values from field instruments could generate Alarm (AL) or Emergency (EM) signals on Programmable Logic Controller (PLC) of GCP in order to keep safety operation of the plant. Control cubicle is equipped with HMI for the local control of operation by the maintenance personnel.

Local panel is provided with followings devices:

- Start push button
- Stop push button
- Emergency stop push button
- Local / remote operation mode switch
- Emergency and alarm lights
- Buzzer

DETAILED DESCRIPTIONS OF EQUIPMENT SYSTEMS

Oil injected type screw compressor with slide control

Screw compressors K111 are oil injected dual rotor positive displacement machines with split casing. Rotors are dynamically balanced and standard foreseen from a balancing drum in order to reduce axial thrust. To prevent gas leakage stationary pressure-balanced mechanical seal are provided.

Main characteristic:

- High efficiency due to optimum rotor profile configuration
- High efficiency in a wide range thanks to a capacity control slide
- Long life and low maintenance requirements due to small number of rotating parts
- Low noise level and vibration free running thanks to low rotor speeds and oil injection

Main drive motor

Main drive motor M112 is a self-ventilated medium-voltage three-phase asynchronous drive with a cylindrical shaft end and feather key way. The shaft with the end shield on both ends or with the inner bearing cap forms a flameproof shaft gap. The motor is suitable for continuous operation in ex-proof execution.

Mechanical coupling

Power from main drive motor to compressor, will be transmitted by a mechanical coupling C177.

Oil system

The lube oil system of the compressor package is a closed loop system. The main oil injection port feeds the rotors directly with smaller lines feeding various points on the machine for seals and bearings. Once the oil is injected it will pass through the compressor K111 where it combines with the gas. The gas / oil mixture is then discharged out of the compressor. Injected oil is removed from the gas downstream of the compressor by means

of an oil separator FS120/B200. The oil separator also acts as a reservoir for the lube oil, the oil flows from the bottom of the separator, through an oil cooler W203 and oil filters FS206 and then back to the compressor. Part of the oil is after the oil filter directed to the oil pump P214-2 which ensures proper oil supply to the compressor at all times and is required for the hydraulic device of the capacity control.

Main components:

- oil tank with oil gas separator FS120/B200
- oil cooler W203
- Duplex oil filter (FS206-I, II)
- 100% oil pump screw type with magnetic coupling P214-2

Compressor gas line

The inlet gas line can be isolated by means of a hand ball valve HV100 from here the gas is fed through a standard installed strainer in order to remove large dirt particles.

Inlet line consists of:

- hand ball valve HV100
- actuated inlet valve SV131-2
- check valve RV108
- compressor inlet strainer FS110

The high pressure gas is fed through the oil separator and is then taken through a second stage coalescent filter and then taken off the skid for connection to the field piping.

Outlet consists of:

- oil/gas separator with integrated stages coalescent filter FS120/B200
- pressure relief valve PSV138
- 2nd stage coalescent filters FS121/FS122
- hand ball valve HV148

- check valve RV129
- actuated outlet valve SV130-2

Cooling system water

Demineralized water for cooling is provided by the customer up to the connections flanges of the package. The cooling system includes two shell and tube heat exchangers built for efficient heat transfer, one for the oil W203, other is for gas W119. The heat exchangers consist of a series of tubes. Water flows through the tubes and the medium runs over the tubes in order to be cooled.

Gas Detection

The gas detection system is designed to continuously monitor the explosive level of the atmosphere within the enclosure.

The operating personnel is warned of gas through acoustical and visual signals if the gas concentration in the enclosure increases above pre-selected levels, which are set as per lower explosive limit for warning and emergency shutdown.

Main components:

- 3 gas sensors DAZ307 installed inside the enclosure (2 above the compressor area, 1 around the ventilation outlet air flow area).
- Central analysis station with gas concentration display

Base Frame

The compressor system and its auxiliaries are installed on a self-supporting base frame. The base frame is composed by two parts. The main frame, fully welded, acts as a tight retention basin which, in case of failure of the oil or water systems, can hold the liquids leak within the enclosure. The secondary frame, mounted on the main frame by means of spring pads, holds the compressor and the driving motor and avoid any vibration transmission to the main frame and therefore to the foundation.

- welded base frame with oil collecting shell
- spring pad mounted compressor frame

- lifting eyes at each corner

Sound proof enclosure

The partial enclosure covering most noise-generating components is designed in order to allow easy maintenance on the main components and is built as a classified area.

Main characteristic:

- steel profile frame
- attenuated sound pressure level

Enclosure is provided with a removable roof located over the compressor, in order to permit an easy maintenance from the top.

Vibration monitoring device

The system by mean of accelerometer sensors, monitor the vibration behaviour of the screw compressor and motor.

Main components:

- 1 (YIZ111-13) vibration sensor accelerometer type with embedded electronics mounted on casing
- vibration monitor device is in customer scope and is external. Vibration sensor shall be connected with Bently Nevada MMS.

Control panel

GCP has included to the scope of supply control panel. Control panel control the operation of whole GCP and includes following functions:

- automatic and real-time (remote) control of the start-up, shutdown and ramping unit equipment up to the optimal operation mode and its maintenance;
- automatic control of the compressor capacity depending on the pressure in the outlet pipeline of the GCP
- remote start-up and stop;
- safety as technological and electrical components of the unit operation;

- issuing control commands to actuators and their execution for the transfer of the compression unit equipment in fault-free condition;
- continuous monitoring of main operating conditions and parameters;
- time synchronization between the system components;
- control and monitoring of the unit parameters from the local control panel and DCS;
- keep the liquid level in the filters, separators, oil separator within set-points;
- controlling the temperature, pressure and gas flow at the unit outlet;
- regulation of pressure, flow and temperature of the oil in the oil system;
- integration and output of information in the DCS by standard protocol
- indicating operating hours of main motor and lube oil pump motor
- indication of open/closed, running/stopped positions of equipment of compressor package.

OPERATING CASES

GCP start up and recirculation

Any GCP can be started individually at any time regardless the Turbine operation and related load condition. The unit simply remains in operation recirculating the Gas through the By-Pass line integrated on each skid.

GT Start-up and Operation

The GCP can be started by operator in local or remote mode. This applies to all units.

Stand-By Compressor

The remaining GCP, as long as it is selected to Remote mode switches automatically to Stand-by mode. Stand-by GCP will start automatically only in case of running compressor trips or any alarm will appear. Normal Start of the Stand-by unit is initiated by hardwire signals from DCS.

GT Trip, load variation

If GT trips (even at full load), then none of the gas compressors need to be tripped, as the compressed gas is immediately by-passed through the by-pass line. The opening of the by-pass valve is triggered by the pressure increase driven by the sudden decrease of the Gas flow.

If GT tripped, then GCP will switch automatically to by-pass mode and remain ready to take load as soon as required by the GT re-start. By-pass mode does not require any signal. In case if pressure on outlet is high Compressor package will automatically move slide to the minimal position, in case if this would not be enough (i.e. zero flow) bypass valve will open automatically and compressor will bypass all the gas through itself.

OPERATION MODES

The mode of operation can be selected by the operator as Remote/Local on the HMI panel for each Gas compressor.

Local mode

In local mode of operation, gas compressor can be started individually via Local Start command. Also each gas compressor can be individually stopped using local Stop command.

Remote mode

The remote mode of operation allows Remote start from DCS. Once the local selector is positioned to Remote, the gas compressor perform automatically a preparation sequence switching the unit to Stand-By mode where the compressor is pressurized at Gas inlet pressure and the lube oil Pump is set in operation if temperature is lower than set point or slide is not on minimum position. As soon as temperature will be heated to required set point or/and slide will reach minimum position, pump will be stopped automatically. In this mode, the operator can start or stop any gas compressor at any time.

CONTROL PHILOSOPHY

Concept

During operation the control is performed by the PLC of each compressor monitoring the Pressure at the outlet vs the specific pressure Set point set on GCP HMI.

Any turbine flow variation is followed by a corresponding pressure variation which is adjusted by the Slide Valve

Ready to Start

Fuel gas compressor is in normal condition with all start permissives met.

When all the start permissives are satisfied, the system is now ready to start. By pressing the Start button on the Local Control Panel, or by Remote signal (mode have to be selected using the selector switch on the HMI [Local/ Remote mode selection for each compressor]).

Start-up Sequence

Before the system can be started, a pre start sequence must comply with the first level check of start sequence. All conditions mentioned below must be achieved in order to start the fuel gas compressor

Main equipment's initial position

Gas Inlet isolation valve (SV131-2) is closed

Gas filling valve (SV169-2) is closed

Gas outlet isolation valve (SV130-2) is closed

Recycle control valve (PCV123) is opened

Compressor motor (M112) is off position

Compressor (K111) is off position with slide valve regulation at minimum load

Gas Filling

Gas Inlet isolation bypass valve (SV169-2) is opened and gas filling the GCP until inlet pressure set point will be reached

Gas outlet isolation valve (SV130-2) is opened

Filling valve is maintained open until PIT105 pressure measurement reaches its Set Point

System start up

Gas Inlet isolation valve (SV131-2) is opened

Gas Compressor motor (M112) is started

Gas Compressor (K111) is started

Gas Inlet isolation bypass valve (SV169-2) is closed

Motor M112 and Compressor K111 are started

As soon as M112 reaches the nominal speed, the compressor slide control (figure 1) increases the load while the recycle control valves PCV123 is maintained open.

The pressure set point is achieved and controlled by close loop pressure control of the slide.

The gas stream, recirculating through the recycle control valve PCV123 is ready to supply the fuel gas to the Gas Turbine.

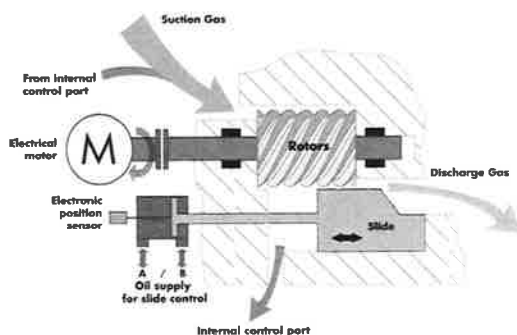


Figure 1

Gas Turbine light-off

At Gas Turbine light-off, the gas flow demand initially decrease the pressure inside the GCP line, the by-pass line PCV123 is closed while the compressor slide controller increase the load in order to maintain the pressure set point

Gas Turbine operation

During the gas turbine operation, compressor will be running and gas supply fuel gas to the Gas turbine the recycle control valve PCV123 will be in closed position. Any Gas Turbine flow demand variation affects the GCP pressure which is monitored by the PLC acting at the slide.

Gas Turbine-Stops

In case customer needs to stop the Gas Turbine temporarily, the presence of the by-pass line helps to avoid the immediate shut-down of the FGC that can remain ready to supply gas at any time. By-pass line is shown on P&ID and it is a line connecting outlet line and inlet line with pneumatically actuated valve PCV 123. This valve is needed when compressor operates at low capacity – 0...10% of nominal flow. When capacity is low, PLC automatically will open and regulate position of the by-pass valve. In this case part of the gas will be by-passed from outlet to inlet gas line that will reduce flow going to the customer even till 0% when needed. Gas outlet isolation valve SV130-2 remains open.

By-Pass mode

As long as sufficient water cooling is provided, the unit can be operated unlimited in By-Pass configuration.

During start-up sequence (waiting for Gas Turbine start-up) or after a Gas Turbine stop (waiting for GT re-start).

Gas Inlet isolation valve (SV131-2) is opened

Gas outlet isolation valve (SV130-2) is opened

Bypass automatic pressure control valve (PCV123) is opened
Compressor motor (M112) is on
Compressor (K111) is running with slide valve regulation at minimum load

During this mode gas flows through the by-pass valve PCV123 instead of going to the customer side. This allow compressor unit to operate with no-load and be ready for start working on load at any moment when turbine will be ready for gas consumption.

Compressor Shutdown (STOP) Sequence

The shutdown sequence is activated once “Stop” signal is sent by Local Control Panel or REMOTE STOP unlatched only.

There are two shutdown scenarios:

1. Compressor shutdown sequence for normal mode.
2. Compressor protective trip shutdown.

Compressor Shutdown Sequence for NORMAL Mode

When Stop –button is pushed, the following shutdown sequences are executed:

- Slide valve is forced to move to minimum position
- After slide reach minimum position or after 30 seconds after this command Main motor and pumps are stopped and vent valve and by-pass valve are opened.
- Enclosure fan will run till required temperature in enclosure is reached.

Compressor protective trip shutdown

When Emergency Stop –button is pushed or PLC generated emergency activated, the following shutdown sequences are executed:

- Main motor and pumps are stopped immediately and vent valve and by-pass valve are opened.

Status Indications & Compressor Alarms

All the analog and digital measurements of compressor package will be monitored in the HMI locating at the PLC panel. The GCP (Start up/shut down) and monitoring will executed from the HMI. The Signal that Trip the compressor are listed in the related Document “BIC2-TD-CK0402 - PLC communication address list”.

The different type of alarms such as low low, low, high , high high are configured in the PLC as per signal list Document. The alarms set points are indicated in the signal list. During the plant operation the alarms will appear in the HMI as per the priority of the alarm Usually the alarms are configured in two types, one is advisory alarms i.e low, high and second one is critical alarms these are distinct by different colour in HMI .Also the field signals such as transmitters are giving the alarm signals in HMI and the trip signals also initiated to start & stop the equipment’s as per the plant “operation flow chart”.

The alarms are initiated from field as described at below,

- 1) Alarm signal are generated by dry contact from field transmitter.
- 2) By comparing transmitter readings with given set point at the PLC. If reading is higher than the set point, and the system is checking for a high alarm, there will be a high alarm generated and vice versa for the low alarm. The set point will be keyed in by the operator at the HMI.

All the Gas compressor alarms will be shown in the HMI and the alarm summary page will be available in the HMI to see the history of the alarms .All the Gas compressor signals and alarms are sent to DCS through RS485 serial link Modbus communication for monitoring at control room. However each gas compressor remote start/ stop and status signals are connected to DCS by hard wired.

Mode of operation

Mode of operation	Command	Action
Local mode of GCP #1 selected in PLC HMI. (same action for local mode of GCP # 2)	Start GCP #1 from PLC HMI	Outlet gas valve open (SV 130-2) Filling valve open until filling pressure is reached (SV169-2). Inlet gas valve open (SV 131-2) Lube oil pump start (P 214-2) and lube oil pressure is checked. Main motor runs (M112). Compressor discharge pressure control is enabled.
	Stop GCP # 1 from PLC HMI	Main motor stops (M112). Gas discharge pressure control is disabled. Gas inlet (SV 131-2) and outlet (SV 130-2) valves close. Lube oil pump (P 214-2) stops after 10 seconds. Gas pressure is released via vent valve (SV 135-2) and the stop sequence ends after 5 minutes.
Remote mode of GCP # 1 selected in PLC HMI. (similar action for remote mode of GCP # 2)	Start GCP # 1 from DCS HMI	GCP # 1 is already in standby mode and filling sequence performed. Lube oil pump (P 214-2) start and lube oil pressure is checked. Main motor run (M112). Compressor discharge pressure control is enabled.
	Stop GCP # 1 from DCS HMI	Main motor stops (M112). Gas discharge pressure control is disabled. Gas inlet (SV 131-2) and outlet (SV 130-2) valves close. Lube oil pump (P 214-2) stops after 10 seconds. Gas pressure is released via vent valve (SV 135-2) and the stop sequence ends after 5 minutes.

Note : Failure of any of above will initiate an alarm in HMI

CONTROLS OF AUXILIARIES

Lube Oil system

As long as the compressor is in operation the lube oil Pump P214-2 is ON. This guarantee constant lube oil flow for following purposes:

- Compressor bare shaft BRG lubrication
- Compressor bare shaft rotor lubrication
- Gas cooling
- Hydraulic control of slide valve (positioning of the slide piston by means of a 4-20mA proportional valve)

Lube oil Pump (P214-2)

Oil injection into the high pressure sections of compressor is achieved monitoring a minimum pressure difference between the high Gas pressure side and the lube oil.

PCV226

is adjusted at commissioning at its final Set Point keeping set pressure difference between gas outlet pressure and oil pressure. The lube oil pressure is monitored by means of PIT205

Cooling water system

Demineralized water flowing through the cooling water lines supplies the following equipment:

Gas Cooler W119 shell and tube heat exchanger

Oil Cooler W203 shell and tube heat exchanger :-

Gas Detection System

Gas detectors :

Gas detectors will be installed and used to monitor the explosive level of the atmosphere within the sound enclosure. Once the sensors detect the Gas level, it will give the alarm signal to Gas alarm control panel at CCR for further action by control room operator.

Fire detection and fire fighting System

Compressor package is equipped with two fire detector sensors IS 318-2-I and IS318-2-II. In case if one detects fire compressor package alarm is activated (BUS signal, local light and horn HA318-3), in case of two detectors would detect fire, package would be shuttled down and fire fighting system with CO₂ would be activated.

START/STOP & LOAD CHANGE FUNCTIONS FOR MULTI UNIT OPERATION

Each GCP will be controlled automatically by respective local control panel to maintain the discharge gas pressure. Discharge gas pressure will be decided by the maximum required gas pressure among all running gas turbine corresponding to the gas turbine load demand.

One (1) gas compressor will be working for one (1) gas turbine. The stand-by compressor will start to operate if receive command from DCS except the case when running compressor trips or alarm is generated. In this case stand-by compressor will start operation.

ภาคผนวก ข-11

เอกสารการตรวจสอบ Silencer

Applicable Equipment List for Near Field Noise Measurement

Project: GNC

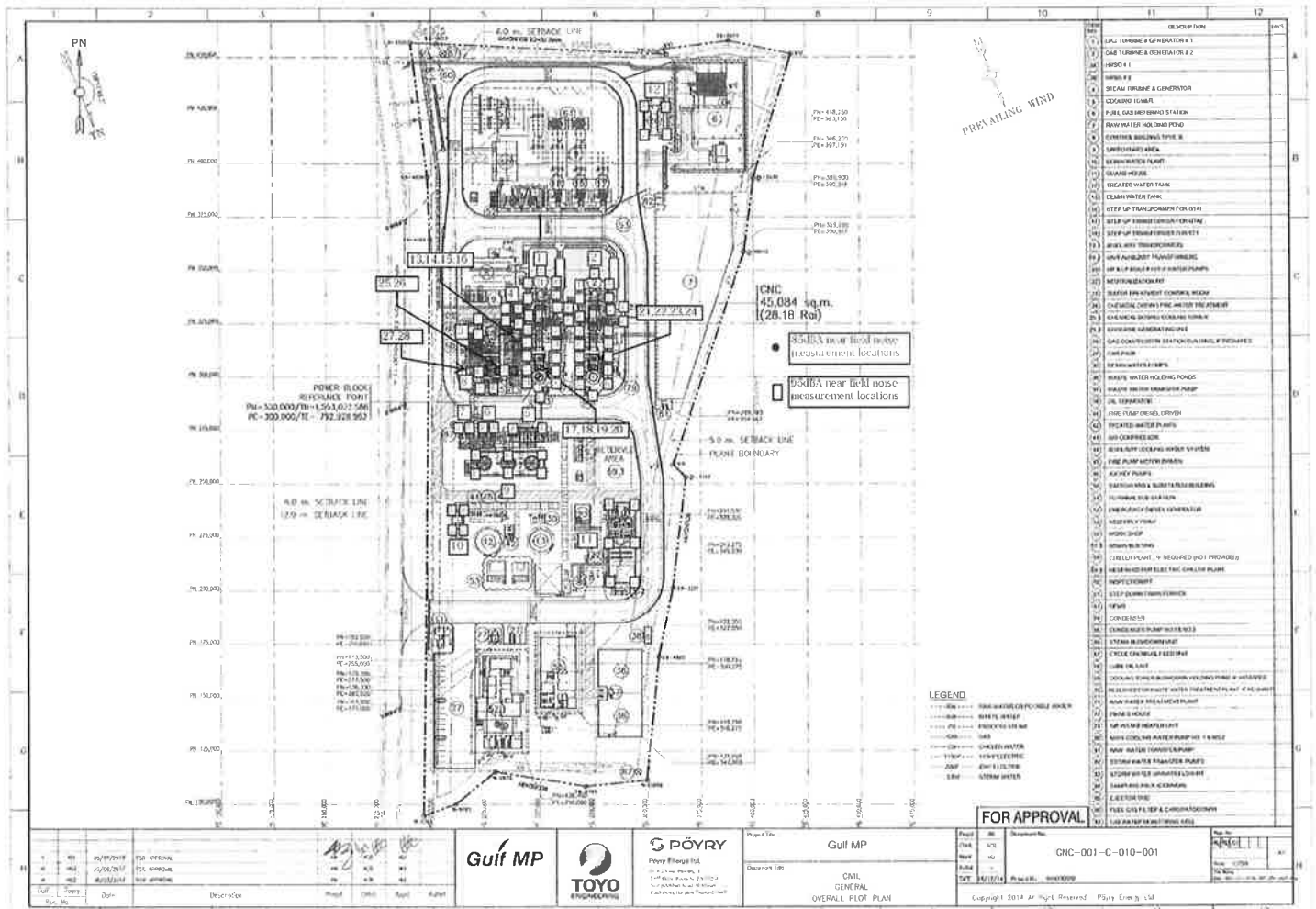
Rev. :

1

Date :

2018/1/28

Sr. #	KKS tag	Equipment	Type of test	Remarks
For 85 dBA near field noise				
1	11MB, 11HA	GTG11&HRSG11	85dBA	
2	12MB, 12HA	GTG12&HRSG12	85dBA	
3	10MA	STG	85dBA	
4	10LAC11AP001, 10LAC12AP001, 10LAC12AP001	BFW pumps	85dBA	
5	10PAC11AP001, 10PAC12AP001	MCW pumps	85dBA	
6	10PCC11AP001, 10PCC12AP001	ACW pumps	85dBA	
7	10PGC11AP001, 10PGC12AP001	CCW pumps	85dBA	
8	10LCB10AP001, 10LCB20AP001	Condensate pumps	85dBA	
9	10PAD91AN001, 10PAD92AN001, 10PAD93AN001	Cooling tower fans	85dBA	
10	10QEA	Air compressor package	85dBA	
11	10GC	Water treatment plant	85dBA	
12	10EKH	Fuel gas compressor package	85dBA	
For 95 dBA near field noise				
13	11LBH10BS001	HRSG11 HP start up vent silencer	95dBA	
14	11LBH65BS001	HRSG11 LP start up vent silencer	95dBA	
15	12LBH10BS001	HRSG12 HP start up vent silencer	95dBA	
16	12LBH65BS001	HRSG12 LP start up vent silencer	95dBA	
17	11LBA10BS201	HRSG11 HP superheater safety valve silencer	95dBA	
18	11LBA50BS201	HRSG11 LP superheater safety valve silencer	95dBA	
19	11HAD10BS201	HRSG11 HP drum safety valve silencer	95dBA	
20	11HAD50BS201	HRSG11 LP drum safety valve silencer	95dBA	
21	12LBA10BS201	HRSG12 HP superheater safety valve silencer	95dBA	
22	12LBA50BS201	HRSG12 LP superheater safety valve silencer	95dBA	
23	12HAD10BS201	HRSG12 HP drum safety valve silencer	95dBA	
24	12HAD50BS201	HRSG12 LP drum safety valve silencer	95dBA	
25	11MAN40AA001	HRSG 11 HP turbine bypass valve	95dBA	
26	11MAN10AA001	HRSG 11 LP turbine bypass valve	95dBA	
27	12MAN40AA001	HRSG 12 HP turbine bypass valve	95dBA	
28	12MAN10AA001	HRSG 12 LP turbine bypass valve	95dBA	



Near field noise (85dBA)
(To follow)

Near field noise (95dBA)
Start up vent silencers



Report No. : 2018-00090 / 001-6 (Page 1 of 6)

Issued date : February 8, 2018

CLIENT : TOYO ENGINEERING CORPORATION
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Rajchathewi, Bangkok 10400
Tel. 085-020-0134 Email : osamu.yamasaki@toyo-eng.com

Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : February 7, 2018
MEASUREMENT LOCATION : HRS G11 HP&LP start up vent silencer, GNC MEASURED BY : Suriya Srithomee
CALIBRATION DATA : Calibrator Model CR-515, Cemus Research plc. Serial No. 81969
Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR-161B, Serial No. G080136

Noise Level [dB(A)] : February 7, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
7:58:19 - 7:58:29	81.5	8:03:19 - 8:03:29	70.8	8:08:19 - 8:08:29	74.0
7:58:29 - 7:58:39	70.3	8:03:29 - 8:03:39	74.3	8:08:29 - 8:08:39	73.8
7:58:39 - 7:58:49	70.1	8:03:39 - 8:03:49	74.2	8:08:39 - 8:08:49	73.0
7:58:49 - 7:58:59	70.1	8:03:49 - 8:03:59	72.4	8:08:49 - 8:08:59	72.8
7:58:59 - 7:59:09	70.0	8:03:59 - 8:04:09	72.9	8:08:59 - 8:09:09	73.6
7:59:09 - 7:59:19	70.0	8:04:09 - 8:04:19	75.1	8:09:09 - 8:09:19	73.7
7:59:19 - 7:59:29	70.8	8:04:19 - 8:04:29	72.9	8:09:19 - 8:09:29	73.0
7:59:29 - 7:59:39	70.2	8:04:29 - 8:04:39	73.4	8:09:29 - 8:09:39	72.8
7:59:39 - 7:59:49	71.5	8:04:39 - 8:04:49	73.3	8:09:39 - 8:09:49	74.0
7:59:49 - 7:59:59	70.2	8:04:49 - 8:04:59	74.2	8:09:49 - 8:09:59	73.5
7:59:59 - 8:00:09	70.0	8:04:59 - 8:05:09	73.7	8:09:59 - 8:10:09	74.1
8:00:09 - 8:00:19	69.9	8:05:09 - 8:05:19	73.6	8:10:09 - 8:10:19	73.8
8:00:19 - 8:00:29	69.8	8:05:19 - 8:05:29	73.4	8:10:19 - 8:10:29	73.8
8:00:29 - 8:00:39	69.8	8:05:29 - 8:05:39	73.4	8:10:29 - 8:10:39	74.2
8:00:39 - 8:00:49	70.2	8:05:39 - 8:05:49	73.0	8:10:39 - 8:10:49	74.1
8:00:49 - 8:00:59	71.3	8:05:49 - 8:05:59	72.5	8:10:49 - 8:10:59	74.3
8:00:59 - 8:01:09	70.6	8:05:59 - 8:06:09	72.8	8:10:59 - 8:11:09	75.0
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8:03:09 - 8:03:19	70.5	8:08:09 - 8:08:19	73.1	8:13:09 - 8:13:19	77.4
Guaranteed Value* 95 dB(A)					



Report No. : 2018-00090 / 001-6 (Page 2 of 6)

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Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
8:13:19 - 8:13:29	77.4	8:18:19 - 8:18:29	77.3	8:23:19 - 8:23:29	84.8
8:13:29 - 8:13:39	77.3	8:18:29 - 8:18:39	77.3	8:23:29 - 8:23:39	84.6
8:13:39 - 8:13:49	77.3	8:18:39 - 8:18:49	76.9	8:23:39 - 8:23:49	84.8
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8:14:09 - 8:14:19	77.4	8:19:09 - 8:19:19	78.1	8:24:09 - 8:24:19	85.4
8:14:19 - 8:14:29	77.4	8:19:19 - 8:19:29	78.8	8:24:19 - 8:24:29	85.4
8:14:29 - 8:14:39	77.4	8:19:29 - 8:19:39	79.4	8:24:29 - 8:24:39	85.2
8:14:39 - 8:14:49	77.4	8:19:39 - 8:19:49	80.2	8:24:39 - 8:24:49	85.2
8:14:49 - 8:14:59	77.4	8:19:49 - 8:19:59	80.6	8:24:49 - 8:24:59	85.4
8:14:59 - 8:15:09	77.4	8:19:59 - 8:20:09	81.2	8:24:59 - 8:25:09	85.4
8:15:09 - 8:15:19	77.5	8:20:09 - 8:20:19	81.7	8:25:09 - 8:25:19	85.7
8:15:19 - 8:15:29	77.4	8:20:19 - 8:20:29	82.1	8:25:19 - 8:25:29	86.0
8:15:29 - 8:15:39	77.5	8:20:29 - 8:20:39	82.3	8:25:29 - 8:25:39	86.1
8:15:39 - 8:15:49	77.5	8:20:39 - 8:20:49	82.6	8:25:39 - 8:25:49	86.3
8:15:49 - 8:15:59	77.5	8:20:49 - 8:20:59	82.9	8:25:49 - 8:25:59	86.3
8:15:59 - 8:16:09	77.5	8:20:59 - 8:21:09	83.4	8:25:59 - 8:26:09	86.5
8:16:09 - 8:16:19	77.5	8:21:09 - 8:21:19	83.8	8:26:09 - 8:26:19	86.5
8:16:19 - 8:16:29	77.5	8:21:19 - 8:21:29	84.0	8:26:19 - 8:26:29	86.4
8:16:29 - 8:16:39	77.6	8:21:29 - 8:21:39	84.0	8:26:29 - 8:26:39	86.5
8:16:39 - 8:16:49	77.4	8:21:39 - 8:21:49	84.1	8:26:39 - 8:26:49	86.3
8:16:49 - 8:16:59	77.4	8:21:49 - 8:21:59	84.1	8:26:49 - 8:26:59	86.5
8:16:59 - 8:17:09	77.5	8:21:59 - 8:22:09	84.0	8:26:59 - 8:27:09	86.6
8:17:09 - 8:17:19	77.4	8:22:09 - 8:22:19	84.1	8:27:09 - 8:27:19	86.3
8:17:19 - 8:17:29	77.4	8:22:19 - 8:22:29	84.4	8:27:19 - 8:27:29	86.1
8:17:29 - 8:17:39	77.5	8:22:29 - 8:22:39	84.4	8:27:29 - 8:27:39	86.2
8:17:39 - 8:17:49	77.5	8:22:39 - 8:22:49	84.3	8:27:39 - 8:27:49	86.3
8:17:49 - 8:17:59	77.4	8:22:49 - 8:22:59	84.4	8:27:49 - 8:27:59	86.4
8:17:59 - 8:18:09	77.6	8:22:59 - 8:23:09	84.6	8:27:59 - 8:28:09	86.4
8:18:09 - 8:18:19	77.5	8:23:09 - 8:23:19	84.7	8:28:09 - 8:28:19	86.3
Guaranteed Value* 95 dB(A)					

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Report No. : 2018-00090 / 001-6 (Page 3 of 6)

Issued date : February 8, 2018

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Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : February 7, 2018
MEASUREMENT LOCATION : HRSG11 HP&LP start up vent silencer, GNC MEASURED BY : Suriya Srithomee
CALIBRATION DATA : Calibrator Model CR:515, Cerus Research plc. Serial No. 81969
Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Serial No. G080136

Noise Level [dB(A)] : February 7, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
8:28:19	86.3	8:33:19	87.3	8:38:19	84.8
8:28:29	86.2	8:33:29	87.3	8:38:29	78.5
8:28:39	86.2	8:33:39	87.2	8:38:39	78.3
8:28:49	86.2	8:33:49	87.1	8:38:49	84.1
8:28:59	86.3	8:33:59	87.2	8:38:59	85.2
8:29:09	86.4	8:34:09	87.2	8:39:09	85.7
8:29:19	86.5	8:34:19	87.1	8:39:19	86.5
8:29:29	86.5	8:34:29	86.9	8:39:29	86.6
8:29:39	86.8	8:34:39	86.8	8:39:39	87.2
8:29:49	86.7	8:34:49	86.7	8:39:49	87.3
8:29:59	86.8	8:34:59	86.7	8:39:59	87.6
8:30:09	86.7	8:35:09	86.6	8:40:09	88.0
8:30:19	86.7	8:35:19	86.6	8:40:19	88.4
8:30:29	86.7	8:35:29	86.5	8:40:29	88.6
8:30:39	86.7	8:35:39	86.4	8:40:39	88.6
8:30:49	86.8	8:35:49	86.4	8:40:49	88.9
8:30:59	86.7	8:35:59	86.2	8:40:59	89.3
8:31:09	86.7	8:36:09	86.3	8:41:09	89.3
8:31:19	86.9	8:36:19	86.4	8:41:19	89.5
8:31:29	87.0	8:36:29	86.4	8:41:29	89.4
8:31:39	87.0	8:36:39	86.2	8:41:39	89.6
8:31:49	87.0	8:36:49	86.2	8:41:49	89.6
8:31:59	87.1	8:36:59	86.3	8:41:59	89.7
8:32:09	87.1	8:37:09	86.5	8:42:09	89.8
8:32:19	87.1	8:37:19	86.5	8:42:19	89.8
8:32:29	87.3	8:37:29	86.2	8:42:29	89.1
8:32:39	87.3	8:37:39	85.9	8:42:39	89.8
8:32:49	87.4	8:37:49	85.7	8:42:49	89.1
8:32:59	87.5	8:37:59	85.9	8:42:59	89.7
8:33:09	87.5	8:38:09	85.8	8:43:09	89.6
Guaranteed Value*		95		dB(A)	



Report No. : 2018-00090 / 001-6 (Page 4 of 6)

Issued date : February 8, 2018

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Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : February 7, 2018
MEASUREMENT LOCATION : HRSG11 HP&LP start up vent silencer, GNC MEASURED BY : Suriya Srithomee
CALIBRATION DATA : Calibrator Model CR:515, Cerus Research plc. Serial No. 81969
Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Serial No. G080136

Noise Level [dB(A)] : February 7, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
8:43:19	90.1	8:48:19	90.8	8:53:19	90.9
8:43:29	90.4	8:48:29	90.7	8:53:29	90.7
8:43:39	90.8	8:48:39	90.8	8:53:39	91.0
8:43:49	91.0	8:48:49	90.7	8:53:49	90.6
8:43:59	91.1	8:48:59	90.7	8:53:59	90.8
8:44:09	91.1	8:49:09	90.8	8:54:09	90.9
8:44:19	91.1	8:49:19	90.9	8:54:19	90.6
8:44:29	91.0	8:49:29	90.7	8:54:29	91.0
8:44:39	91.3	8:49:39	90.9	8:54:39	90.8
8:44:49	91.0	8:49:49	90.7	8:54:49	90.7
8:44:59	91.1	8:49:59	90.8	8:54:59	91.1
8:45:09	91.2	8:50:09	90.9	8:55:09	90.7
8:45:19	91.1	8:50:19	90.6	8:55:19	90.9
8:45:29	91.3	8:50:29	90.9	8:55:29	91.1
8:45:39	91.1	8:50:39	90.7	8:55:39	90.7
8:45:49	91.4	8:50:49	90.9	8:55:49	91.0
8:45:59	91.1	8:50:59	90.7	8:55:59	90.7
8:46:09	91.0	8:51:09	91.1	8:56:09	91.0
8:46:19	91.1	8:51:19	90.9	8:56:19	90.9
8:46:29	91.1	8:51:29	91.1	8:56:29	90.7
8:46:39	91.1	8:51:39	90.9	8:56:39	91.0
8:46:49	91.0	8:51:49	91.0	8:56:49	90.6
8:46:59	90.9	8:51:59	90.8	8:56:59	90.8
8:47:09	91.2	8:52:09	91.0	8:57:09	90.9
8:47:19	90.9	8:52:19	90.7	8:57:19	90.5
8:47:29	91.1	8:52:29	90.9	8:57:29	91.0
8:47:39	90.8	8:52:39	90.8	8:57:39	90.9
8:47:49	90.9	8:52:49	90.9	8:57:49	90.8
8:47:59	90.7	8:52:59	90.7	8:57:59	91.2
8:48:09	90.8	8:53:09	90.9	8:58:09	90.8
Guaranteed Value*		95		dB(A)	

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Report No. : 2018-00090 / 001-6 (Page 5 of 6)

Issued date : February 8, 2018

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Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : February 7, 2018
MEASUREMENT LOCATION : HRS111 HP&LP start up vent silencer, GNC MEASURED BY : Suriya Srithomee
CALIBRATION DATA : Calibrator Model CR:515, Cernus Research plc. Serial No. 81969
Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Serial No. G080136

Noise Level [dB(A)] : February 7, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
8:58:19	91.0	9:03:19	91.0	9:08:19	89.4
8:58:29	91.2	9:03:29	90.7	9:08:29	89.5
8:58:39	90.9	9:03:39	90.8	9:08:39	89.1
8:58:49	91.2	9:03:49	90.9	9:08:49	88.7
8:58:59	90.9	9:03:59	90.8	9:08:59	88.7
8:59:09	90.7	9:04:09	88.5	9:09:09	88.0
8:59:19	91.0	9:04:19	88.5	9:09:19	88.2
8:59:29	90.8	9:04:29	87.6	9:09:29	88.0
8:59:39	90.9	9:04:39	86.9	9:09:39	87.4
8:59:49	91.0	9:04:49	86.5	9:09:49	88.0
8:59:59	90.6	9:04:59	86.1	9:09:59	87.0
9:00:09	90.9	9:05:09	85.6	9:10:09	86.8
9:00:19	90.8	9:05:19	85.2	9:10:19	87.2
9:00:29	90.7	9:05:29	82.2	9:10:29	85.9
9:00:39	91.0	9:05:39	85.0	9:10:39	86.3
9:00:49	90.7	9:05:49	86.1	9:10:49	86.3
9:00:59	90.9	9:05:59	86.0	9:10:59	84.9
9:01:09	91.0	9:06:09	86.6	9:11:09	85.9
9:01:19	90.7	9:06:19	87.2	9:11:19	83.8
9:01:29	91.0	9:06:29	87.6	9:11:29	83.9
9:01:39	90.8	9:06:39	87.6	9:11:39	83.8
9:01:49	90.7	9:06:49	87.7	9:11:49	83.8
9:01:59	91.0	9:06:59	87.7	9:11:59	83.9
9:02:09	90.6	9:07:09	87.0	9:12:09	83.8
9:02:19	90.7	9:07:19	88.4	9:12:19	83.9
9:02:29	90.9	9:07:29	89.4	9:12:29	83.9
9:02:39	90.6	9:07:39	90.2	9:12:39	80.7
9:02:49	90.9	9:07:49	89.7	9:12:49	83.7
9:02:59	90.7	9:07:59	90.3	9:12:59	82.5
9:03:09	90.7	9:08:09	90.1	9:13:09	78.8
Guaranteed Value* 95 dB(A)					



Report No. : 2018-00090 / 001-6 (Page 6 of 6)

Issued date : February 8, 2018

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Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : February 7, 2018
MEASUREMENT LOCATION : HRS111 HP&LP start up vent silencer, GNC MEASURED BY : Suriya Srithomee
CALIBRATION DATA : Calibrator Model CR:515, Cernus Research plc. Serial No. 81969
Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Serial No. G080136

Noise Level [dB(A)] : February 7, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
9:13:19	78.8	9:15:09	78.8	9:16:59	80.1
9:13:29	78.9	9:15:19	78.8	9:17:09	80.0
9:13:39	79.0	9:15:29	78.8	9:17:19	79.8
9:13:49	82.0	9:15:39	79.0	9:17:29	79.6
9:13:59	78.3	9:15:49	78.9	9:17:39	79.6
9:14:09	79.0	9:15:59	84.3	9:17:49	79.6
9:14:19	78.9	9:16:09	81.8	9:17:59	79.6
9:14:29	79.0	9:16:19	80.4	9:18:09	79.8
9:14:39	79.0	9:16:29	79.2	9:18:19	79.6
9:14:49	79.0	9:16:39	79.2		
9:14:59	78.8	9:16:49	79.8		
Guaranteed Value* 95 dB(A)					

Source : * Guaranteed Value of GNC Power Plant.

Siriporn Imwilaiwan
(Siriporn Imwilaiwan)
Environmental Monitoring Manager



Thapson Yommana
(Thapson Yommana)
Technical Manager

TY/SS/AS/CJ

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Report No. : 2018-00090 / 001-7 (Page 1 of 5)

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Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : February 7, 2018
MEASUREMENT LOCATION : HRS12 HP&LP start up vent silencer, GNC MEASURED BY : Suriya Srithomee
CALIBRATION DATA : Calibrator Model CR:515, Cerus Research plc. Serial No. 81969
Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Serial No. G080136

Noise Level [dB(A)] : February 7, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
9:46:05 - 9:46:15	78.5	9:51:05 - 9:51:15	78.5	9:56:05 - 9:56:15	78.7
9:46:15 - 9:46:25	78.7	9:51:15 - 9:51:25	78.7	9:56:15 - 9:56:25	78.8
9:46:25 - 9:46:35	78.7	9:51:25 - 9:51:35	78.5	9:56:25 - 9:56:35	78.8
9:46:35 - 9:46:45	78.8	9:51:35 - 9:51:45	78.5	9:56:35 - 9:56:45	78.4
9:46:45 - 9:46:55	78.7	9:51:45 - 9:51:55	78.6	9:56:45 - 9:56:55	78.5
9:46:55 - 9:47:05	78.6	9:51:55 - 9:52:05	78.6	9:56:55 - 9:57:05	78.7
9:47:05 - 9:47:15	78.4	9:52:05 - 9:52:15	78.7	9:57:05 - 9:57:15	78.8
9:47:15 - 9:47:25	78.6	9:52:15 - 9:52:25	78.6	9:57:15 - 9:57:25	78.8
9:47:25 - 9:47:35	78.7	9:52:25 - 9:52:35	78.4	9:57:25 - 9:57:35	78.8
9:47:35 - 9:47:45	78.7	9:52:35 - 9:52:45	78.3	9:57:35 - 9:57:45	78.9
9:47:45 - 9:47:55	78.7	9:52:45 - 9:52:55	78.5	9:57:45 - 9:57:55	78.8
9:47:55 - 9:48:05	78.8	9:52:55 - 9:53:05	78.5	9:57:55 - 9:58:05	78.7
9:48:05 - 9:48:15	78.6	9:53:05 - 9:53:15	78.5	9:58:05 - 9:58:15	78.7
9:48:15 - 9:48:25	78.6	9:53:15 - 9:53:25	78.5	9:58:15 - 9:58:25	78.8
9:48:25 - 9:48:35	78.6	9:53:25 - 9:53:35	78.5	9:58:25 - 9:58:35	79.0
9:48:35 - 9:48:45	78.5	9:53:35 - 9:53:45	78.6	9:58:35 - 9:58:45	78.9
9:48:45 - 9:48:55	78.7	9:53:45 - 9:53:55	78.6	9:58:45 - 9:58:55	78.9
9:48:55 - 9:49:05	78.7	9:53:55 - 9:54:05	78.5	9:58:55 - 9:59:05	79.0
9:49:05 - 9:49:15	78.8	9:54:05 - 9:54:15	78.5	9:59:05 - 9:59:15	79.1
9:49:15 - 9:49:25	79.0	9:54:15 - 9:54:25	78.6	9:59:15 - 9:59:25	79.0
9:49:25 - 9:49:35	78.6	9:54:25 - 9:54:35	78.6	9:59:25 - 9:59:35	79.1
9:49:35 - 9:49:45	78.5	9:54:35 - 9:54:45	78.7	9:59:35 - 9:59:45	79.3
9:49:45 - 9:49:55	78.4	9:54:45 - 9:54:55	78.7	9:59:45 - 9:59:55	79.4
9:49:55 - 9:50:05	78.4	9:54:55 - 9:55:05	78.8	9:59:55 - 10:00:05	79.3
9:50:05 - 9:50:15	78.4	9:55:05 - 9:55:15	78.7	10:00:05 - 10:00:15	79.1
9:50:15 - 9:50:25	78.6	9:55:15 - 9:55:25	78.4	10:00:15 - 10:00:25	79.0
9:50:25 - 9:50:35	78.6	9:55:25 - 9:55:35	78.4	10:00:25 - 10:00:35	78.9
9:50:35 - 9:50:45	78.6	9:55:35 - 9:55:45	78.4	10:00:35 - 10:00:45	78.9
9:50:45 - 9:50:55	78.7	9:55:45 - 9:55:55	78.5	10:00:45 - 10:00:55	78.8
9:50:55 - 9:51:05	78.6	9:55:55 - 9:56:05	78.6	10:00:55 - 10:01:05	78.8
Guaranteed Value*		95	dB(A)		



Report No. : 2018-00090 / 001-7 (Page 2 of 5)

Issued date : February 8, 2018

CLIENT : TOYO ENGINEERING CORPORATION
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Tel. 085-020-0134 Email : osamu.yamasaki@toyo-eng.com

Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : February 7, 2018
MEASUREMENT LOCATION : HRS12 HP&LP start up vent silencer, GNC MEASURED BY : Suriya Srithomee
CALIBRATION DATA : Calibrator Model CR:515, Cerus Research plc. Serial No. 81969
Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Serial No. G080136

Noise Level [dB(A)] : February 7, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
10:01:05 - 10:01:15	78.9	10:06:05 - 10:06:15	84.8	10:11:05 - 10:11:15	87.7
10:01:15 - 10:01:25	79.1	10:06:15 - 10:06:25	83.1	10:11:15 - 10:11:25	85.2
10:01:25 - 10:01:35	79.1	10:06:25 - 10:06:35	85.6	10:11:25 - 10:11:35	87.8
10:01:35 - 10:01:45	79.1	10:06:35 - 10:06:45	85.6	10:11:35 - 10:11:45	88.1
10:01:45 - 10:01:55	78.9	10:06:45 - 10:06:55	85.8	10:11:45 - 10:11:55	87.9
10:01:55 - 10:02:05	77.7	10:06:55 - 10:07:05	84.7	10:11:55 - 10:12:05	88.1
10:02:05 - 10:02:15	77.8	10:07:05 - 10:07:15	84.5	10:12:05 - 10:12:15	87.4
10:02:15 - 10:02:25	78.1	10:07:15 - 10:07:25	85.2	10:12:15 - 10:12:25	86.9
10:02:25 - 10:02:35	78.5	10:07:25 - 10:07:35	86.2	10:12:25 - 10:12:35	88.2
10:02:35 - 10:02:45	79.3	10:07:35 - 10:07:45	85.5	10:12:35 - 10:12:45	88.1
10:02:45 - 10:02:55	80.2	10:07:45 - 10:07:55	84.8	10:12:45 - 10:12:55	88.4
10:02:55 - 10:03:05	80.4	10:07:55 - 10:08:05	84.1	10:12:55 - 10:13:05	88.8
10:03:05 - 10:03:15	80.8	10:08:05 - 10:08:15	83.6	10:13:05 - 10:13:15	88.9
10:03:15 - 10:03:25	81.2	10:08:15 - 10:08:25	85.9	10:13:15 - 10:13:25	88.7
10:03:25 - 10:03:35	81.3	10:08:25 - 10:08:35	86.4	10:13:25 - 10:13:35	86.9
10:03:35 - 10:03:45	81.5	10:08:35 - 10:08:45	85.7	10:13:35 - 10:13:45	88.4
10:03:45 - 10:03:55	79.9	10:08:45 - 10:08:55	87.1	10:13:45 - 10:13:55	87.3
10:03:55 - 10:04:05	78.8	10:08:55 - 10:09:05	87.2	10:13:55 - 10:14:05	86.7
10:04:05 - 10:04:15	80.0	10:09:05 - 10:09:15	85.9	10:14:05 - 10:14:15	87.0
10:04:15 - 10:04:25	81.0	10:09:15 - 10:09:25	86.8	10:14:15 - 10:14:25	89.1
10:04:25 - 10:04:35	81.4	10:09:25 - 10:09:35	87.5	10:14:25 - 10:14:35	88.8
10:04:35 - 10:04:45	82.2	10:09:35 - 10:09:45	87.7	10:14:35 - 10:14:45	86.4
10:04:45 - 10:04:55	82.7	10:09:45 - 10:09:55	88.0	10:14:45 - 10:14:55	89.2
10:04:55 - 10:05:05	82.2	10:09:55 - 10:10:05	88.0	10:14:55 - 10:15:05	88.8
10:05:05 - 10:05:15	82.9	10:10:05 - 10:10:15	87.7	10:15:05 - 10:15:15	89.5
10:05:15 - 10:05:25	82.7	10:10:15 - 10:10:25	87.6	10:15:15 - 10:15:25	88.8
10:05:25 - 10:05:35	85.2	10:10:25 - 10:10:35	87.7	10:15:25 - 10:15:35	87.7
10:05:35 - 10:05:45	85.5	10:10:35 - 10:10:45	87.9	10:15:35 - 10:15:45	88.0
10:05:45 - 10:05:55	84.7	10:10:45 - 10:10:55	87.9	10:15:45 - 10:15:55	88.2
10:05:55 - 10:06:05	84.5	10:10:55 - 10:11:05	86.2	10:15:55 - 10:16:05	88.3
Guaranteed Value*		95	dB(A)		

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Shenzhen SGS Auto

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Shenzhen SGS Auto



Report No. : 2018-00090 / 001-7 (Page 3 of 5)

Issued date : February 8, 2018

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 Tel. 085-020-0134
 Email : osamu.yamasaki@toyo-eng.com

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : HRS12 HP&LP start up vent silencer, GNC
CALIBRATION DATA : Calibrator Model CR:515, Cerus Research plc. Serial No. 81969
 Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Serial No. G080136

Noise Level [dB(A)] : February 7, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
10:16:05 - 10:16:15	88.1	10:21:05 - 10:21:15	87.1	10:26:05 - 10:26:15	83.9
10:16:15 - 10:16:25	87.8	10:21:15 - 10:21:25	86.9	10:26:15 - 10:26:25	83.6
10:16:25 - 10:16:35	88.0	10:21:25 - 10:21:35	87.1	10:26:25 - 10:26:35	84.1
10:16:35 - 10:16:45	88.1	10:21:35 - 10:21:45	87.0	10:26:35 - 10:26:45	85.0
10:16:45 - 10:16:55	88.1	10:21:45 - 10:21:55	87.1	10:26:45 - 10:26:55	85.9
10:16:55 - 10:17:05	88.0	10:21:55 - 10:22:05	87.0	10:26:55 - 10:27:05	86.7
10:17:05 - 10:17:15	87.2	10:22:05 - 10:22:15	87.0	10:27:05 - 10:27:15	87.1
10:17:15 - 10:17:25	86.7	10:22:15 - 10:22:25	87.0	10:27:15 - 10:27:25	87.2
10:17:25 - 10:17:35	87.1	10:22:25 - 10:22:35	87.0	10:27:25 - 10:27:35	87.5
10:17:35 - 10:17:45	87.0	10:22:35 - 10:22:45	87.0	10:27:35 - 10:27:45	87.9
10:17:45 - 10:17:55	87.0	10:22:45 - 10:22:55	86.7	10:27:45 - 10:27:55	88.2
10:17:55 - 10:18:05	86.9	10:22:55 - 10:23:05	86.7	10:27:55 - 10:28:05	88.6
10:18:05 - 10:18:15	86.7	10:23:05 - 10:23:15	86.7	10:28:05 - 10:28:15	88.9
10:18:15 - 10:18:25	86.7	10:23:15 - 10:23:25	86.6	10:28:15 - 10:28:25	88.9
10:18:25 - 10:18:35	86.8	10:23:25 - 10:23:35	86.6	10:28:25 - 10:28:35	89.2
10:18:35 - 10:18:45	86.9	10:23:35 - 10:23:45	86.6	10:28:35 - 10:28:45	89.3
10:18:45 - 10:18:55	86.8	10:23:45 - 10:23:55	86.6	10:28:45 - 10:28:55	89.1
10:18:55 - 10:19:05	86.7	10:23:55 - 10:24:05	86.6	10:28:55 - 10:29:05	89.2
10:19:05 - 10:19:15	86.8	10:24:05 - 10:24:15	86.7	10:29:05 - 10:29:15	89.3
10:19:15 - 10:19:25	86.8	10:24:15 - 10:24:25	86.7	10:29:15 - 10:29:25	89.4
10:19:25 - 10:19:35	86.8	10:24:25 - 10:24:35	86.7	10:29:25 - 10:29:35	89.5
10:19:35 - 10:19:45	86.7	10:24:35 - 10:24:45	86.6	10:29:35 - 10:29:45	89.8
10:19:45 - 10:19:55	86.8	10:24:45 - 10:24:55	86.5	10:29:45 - 10:29:55	90.0
10:19:55 - 10:20:05	86.8	10:24:55 - 10:25:05	86.7	10:29:55 - 10:30:05	90.2
10:20:05 - 10:20:15	86.7	10:25:05 - 10:25:15	86.6	10:30:05 - 10:30:15	90.4
10:20:15 - 10:20:25	86.8	10:25:15 - 10:25:25	86.6	10:30:15 - 10:30:25	90.5
10:20:25 - 10:20:35	86.9	10:25:25 - 10:25:35	86.7	10:30:25 - 10:30:35	90.5
10:20:35 - 10:20:45	87.0	10:25:35 - 10:25:45	86.8	10:30:35 - 10:30:45	90.6
10:20:45 - 10:20:55	87.0	10:25:45 - 10:25:55	86.7	10:30:45 - 10:30:55	90.7
10:20:55 - 10:21:05	86.9	10:25:55 - 10:26:05	86.4	10:30:55 - 10:31:05	90.9
Guaranteed Value*		95	dB(A)		



Report No. : 2018-00090 / 001-7 (Page 4 of 5)

Issued date : February 8, 2018

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 Tel. 085-020-0134
 Email : osamu.yamasaki@toyo-eng.com

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : HRS12 HP&LP start up vent silencer, GNC
CALIBRATION DATA : Calibrator Model CR:515, Cerus Research plc. Serial No. 81969
 Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Serial No. G080136

Noise Level [dB(A)] : February 7, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
10:31:05 - 10:31:15	91.0	10:36:05 - 10:36:15	90.1	10:41:05 - 10:41:15	90.1
10:31:15 - 10:31:25	91.0	10:36:15 - 10:36:25	90.1	10:41:15 - 10:41:25	90.1
10:31:25 - 10:31:35	91.1	10:36:25 - 10:36:35	90.1	10:41:25 - 10:41:35	90.1
10:31:35 - 10:31:45	91.1	10:36:35 - 10:36:45	90.0	10:41:35 - 10:41:45	90.2
10:31:45 - 10:31:55	91.2	10:36:45 - 10:36:55	90.1	10:41:45 - 10:41:55	90.2
10:31:55 - 10:32:05	91.2	10:36:55 - 10:37:05	90.1	10:41:55 - 10:42:05	90.1
10:32:05 - 10:32:15	91.2	10:37:05 - 10:37:15	90.1	10:42:05 - 10:42:15	90.1
10:32:15 - 10:32:25	91.3	10:37:15 - 10:37:25	90.1	10:42:15 - 10:42:25	90.1
10:32:25 - 10:32:35	91.2	10:37:25 - 10:37:35	90.2	10:42:25 - 10:42:35	90.0
10:32:35 - 10:32:45	91.3	10:37:35 - 10:37:45	90.2	10:42:35 - 10:42:45	89.9
10:32:45 - 10:32:55	91.2	10:37:45 - 10:37:55	90.2	10:42:45 - 10:42:55	89.4
10:32:55 - 10:33:05	91.1	10:37:55 - 10:38:05	90.2	10:42:55 - 10:43:05	88.8
10:33:05 - 10:33:15	91.0	10:38:05 - 10:38:15	90.1	10:43:05 - 10:43:15	88.6
10:33:15 - 10:33:25	90.8	10:38:15 - 10:38:25	90.1	10:43:15 - 10:43:25	88.1
10:33:25 - 10:33:35	90.7	10:38:25 - 10:38:35	90.2	10:43:25 - 10:43:35	87.9
10:33:35 - 10:33:45	90.7	10:38:35 - 10:38:45	90.3	10:43:35 - 10:43:45	87.7
10:33:45 - 10:33:55	90.6	10:38:45 - 10:38:55	90.3	10:43:45 - 10:43:55	87.5
10:33:55 - 10:34:05	90.5	10:38:55 - 10:39:05	90.2	10:43:55 - 10:44:05	87.4
10:34:05 - 10:34:15	90.5	10:39:05 - 10:39:15	90.2	10:44:05 - 10:44:15	87.4
10:34:15 - 10:34:25	90.3	10:39:15 - 10:39:25	90.1	10:44:15 - 10:44:25	87.0
10:34:25 - 10:34:35	90.2	10:39:25 - 10:39:35	90.2	10:44:25 - 10:44:35	86.5
10:34:35 - 10:34:45	90.2	10:39:35 - 10:39:45	90.1	10:44:35 - 10:44:45	86.7
10:34:45 - 10:34:55	90.1	10:39:45 - 10:39:55	90.2	10:44:45 - 10:44:55	87.4
10:34:55 - 10:35:05	90.1	10:39:55 - 10:40:05	90.2	10:44:55 - 10:45:05	87.6
10:35:05 - 10:35:15	90.0	10:40:05 - 10:40:15	90.2	10:45:05 - 10:45:15	87.7
10:35:15 - 10:35:25	89.9	10:40:15 - 10:40:25	90.2	10:45:15 - 10:45:25	87.8
10:35:25 - 10:35:35	90.0	10:40:25 - 10:40:35	90.2	10:45:25 - 10:45:35	87.7
10:35:35 - 10:35:45	90.2	10:40:35 - 10:40:45	90.1	10:45:35 - 10:45:45	87.8
10:35:45 - 10:35:55	90.2	10:40:45 - 10:40:55	90.0	10:45:45 - 10:45:55	87.6
10:35:55 - 10:36:05	90.2	10:40:55 - 10:41:05	90.1	10:45:55 - 10:46:05	87.4
Guaranteed Value*		95	dB(A)		

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Report No. : 2018-00090 / 001-7 (Page 5 of 5)

Issued date : February 8, 2018

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Analysis Report

SAMPLE DESIGNATED AS : Noise Level **MEASUREMENT DATE :** February 7, 2018
MEASUREMENT LOCATION : HRSG12 HP&LP start up vent silencer, GNC **MEASURED BY :** Suriya Srithomee
CALIBRATION DATA : Calibrator Model CR:515, Cernus Research plc, Serial No. 81969
 Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Serial No. G080136

Noise Level [dB(A)] : February 7, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
10:46:05 - 10:46:15	87.3	10:50:35 - 10:50:45	79.8	10:55:05 - 10:55:15	79.4
10:46:15 - 10:46:25	87.1	10:50:45 - 10:50:55	81.5	10:55:15 - 10:55:25	79.4
10:46:25 - 10:46:35	86.9	10:50:55 - 10:51:05	82.9	10:55:25 - 10:55:35	79.6
10:46:35 - 10:46:45	86.9	10:51:05 - 10:51:15	80.0	10:55:35 - 10:55:45	80.2
10:46:45 - 10:46:55	86.5	10:51:15 - 10:51:25	83.3	10:55:45 - 10:55:55	78.7
10:46:55 - 10:47:05	86.9	10:51:25 - 10:51:35	80.4	10:55:55 - 10:56:05	77.9
10:47:05 - 10:47:15	86.8	10:51:35 - 10:51:45	80.7	10:56:05 - 10:56:15	78.0
10:47:15 - 10:47:25	86.9	10:51:45 - 10:51:55	82.0	10:56:15 - 10:56:25	77.9
10:47:25 - 10:47:35	86.7	10:51:55 - 10:52:05	79.9	10:56:25 - 10:56:35	77.9
10:47:35 - 10:47:45	86.6	10:52:05 - 10:52:15	79.9	10:56:35 - 10:56:45	78.0
10:47:45 - 10:47:55	86.5	10:52:15 - 10:52:25	79.8	10:56:45 - 10:56:55	78.2
10:47:55 - 10:48:05	86.4	10:52:25 - 10:52:35	78.7	10:56:55 - 10:57:05	78.2
10:48:05 - 10:48:15	86.2	10:52:35 - 10:52:45	79.7	10:57:05 - 10:57:15	78.5
10:48:15 - 10:48:25	86.0	10:52:45 - 10:52:55	79.6	10:57:15 - 10:57:25	78.4
10:48:25 - 10:48:35	85.9	10:52:55 - 10:53:05	79.7	10:57:25 - 10:57:35	78.3
10:48:35 - 10:48:45	85.8	10:53:05 - 10:53:15	79.7	10:57:35 - 10:57:45	78.4
10:48:45 - 10:48:55	85.5	10:53:15 - 10:53:25	79.7	10:57:45 - 10:57:55	78.3
10:48:55 - 10:49:05	85.2	10:53:25 - 10:53:35	79.6	10:57:55 - 10:58:05	78.1
10:49:05 - 10:49:15	85.0	10:53:35 - 10:53:45	79.7	10:58:05 - 10:58:15	78.7
10:49:15 - 10:49:25	84.5	10:53:45 - 10:53:55	79.8	10:58:15 - 10:58:25	78.4
10:49:25 - 10:49:35	84.1	10:53:55 - 10:54:05	79.8	10:58:25 - 10:58:35	78.3
10:49:35 - 10:49:45	83.8	10:54:05 - 10:54:15	79.7	10:58:35 - 10:58:45	78.2
10:49:45 - 10:49:55	83.7	10:54:15 - 10:54:25	79.7	10:58:45 - 10:58:55	78.5
10:49:55 - 10:50:05	83.6	10:54:25 - 10:54:35	79.8	10:58:55 - 10:59:05	78.4
10:50:05 - 10:50:15	83.6	10:54:35 - 10:54:45	79.8	10:59:05 - 10:59:15	78.4
10:50:15 - 10:50:25	80.8	10:54:45 - 10:54:55	79.7	10:59:15 - 10:59:25	78.5
10:50:25 - 10:50:35	79.8	10:54:55 - 10:55:05	79.5	10:59:25 - 10:59:35	78.6
Guaranteed Value*		95	dB(A)		

Source : * Guaranteed Value of GNC Power Plant.

Siriporn
 (Siriporn Imwilaiwan)
 Environmental Monitoring Manager



Thapson
 (Thapson Yommana)
 Technical Manager

TY/SS/AS/CJ

E 165737

Near field noise (95dBA)
 Turbine bypass valves

Report No. : 2018-00090 / 001-2 (Page 1 of 1)

Issued date : February 7, 2018

CLIENT : TOYO ENGINEERING CORPORATION
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Tel. 085-020-0134

Email : osamu.yamasaki@toyo-eng.com

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : HRSG11 HP turbine bypass valve, GNC
CALIBRATION DATA : Calibrator Model CR:515, Cerrus Research plc. Serial No. 81969
Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Serial No. G080136

MEASUREMENT DATE : February 6, 2018
MEASURED BY : Suriya Srithomee

Noise Level [dB(A)] : February 6, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
14:28:05 - 14:28:15	92.5	14:32:05 - 14:32:15	91.7	14:36:05 - 14:36:15	91.9
14:28:15 - 14:28:25	92.1	14:32:15 - 14:32:25	91.8	14:36:15 - 14:36:25	91.8
14:28:25 - 14:28:35	91.8	14:32:25 - 14:32:35	91.8	14:36:25 - 14:36:35	92.0
14:28:35 - 14:28:45	92.0	14:32:35 - 14:32:45	92.0	14:36:35 - 14:36:45	91.7
14:28:45 - 14:28:55	91.8	14:32:45 - 14:32:55	91.9	14:36:45 - 14:36:55	91.9
14:28:55 - 14:29:05	91.9	14:32:55 - 14:33:05	91.9	14:36:55 - 14:37:05	91.8
14:29:05 - 14:29:15	91.9	14:33:05 - 14:33:15	91.6	14:37:05 - 14:37:15	91.7
14:29:15 - 14:29:25	91.8	14:33:15 - 14:33:25	91.8	14:37:15 - 14:37:25	91.6
14:29:25 - 14:29:35	91.8	14:33:25 - 14:33:35	91.8	14:37:25 - 14:37:35	91.6
14:29:35 - 14:29:45	91.7	14:33:35 - 14:33:45	91.8	14:37:35 - 14:37:45	91.6
14:29:45 - 14:29:55	91.9	14:33:45 - 14:33:55	91.7	14:37:45 - 14:37:55	91.5
14:29:55 - 14:30:05	91.8	14:33:55 - 14:34:05	91.7	14:37:55 - 14:38:05	91.5
14:30:05 - 14:30:15	91.8	14:34:05 - 14:34:15	91.9	14:38:05 - 14:38:15	91.6
14:30:15 - 14:30:25	91.7	14:34:15 - 14:34:25	91.9	14:38:15 - 14:38:25	91.7
14:30:25 - 14:30:35	91.8	14:34:25 - 14:34:35	91.9	14:38:25 - 14:38:35	91.6
14:30:35 - 14:30:45	91.7	14:34:35 - 14:34:45	91.7	14:38:35 - 14:38:45	91.9
14:30:45 - 14:30:55	91.5	14:34:45 - 14:34:55	91.9	14:38:45 - 14:38:55	91.8
14:30:55 - 14:31:05	91.6	14:34:55 - 14:35:05	91.8	14:38:55 - 14:39:05	92.2
14:31:05 - 14:31:15	91.6	14:35:05 - 14:35:15	91.8	14:39:05 - 14:39:15	92.2
14:31:15 - 14:31:25	91.6	14:35:15 - 14:35:25	91.7	14:39:15 - 14:39:25	92.3
14:31:25 - 14:31:35	91.6	14:35:25 - 14:35:35	91.7	14:39:25 - 14:39:35	92.2
14:31:35 - 14:31:45	91.6	14:35:35 - 14:35:45	91.7	14:39:35 - 14:39:45	92.2
14:31:45 - 14:31:55	91.6	14:35:45 - 14:35:55	91.8	14:39:45 - 14:39:55	92.3
14:31:55 - 14:32:05	91.6	14:35:55 - 14:36:05	91.7	14:39:55 - 14:40:05	92.2
Guaranteed Value*		95		dB(A)	

Source : * Guaranteed Value of GNC Power Plant.

Siriporn
(Siriporn Imwilaiwan)
Environmental Monitoring Manager



Thapson
(Thapson Yommana)
Technical Manager

TY/SS/AS/CJ

E 165723

Report No. : 2018-00090 / 001-3 (Page 1 of 1)

Issued date : February 7, 2018

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Email : osamu.yamasaki@toyo-eng.com

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : HRSG11 LP turbine bypass valve, GNC
CALIBRATION DATA : Calibrator Model CR:515, Cerrus Research plc. Serial No. 81969
Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Serial No. G080136

MEASUREMENT DATE : February 6, 2018
MEASURED BY : Suriya Srithomee

Noise Level [dB(A)] : February 6, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
14:40:05 - 14:40:15	92.1	14:41:15 - 14:41:25	92.2	14:42:25 - 14:42:35	92.0
14:40:15 - 14:40:25	92.2	14:41:25 - 14:41:35	92.1	14:42:35 - 14:42:45	92.1
14:40:25 - 14:40:35	92.1	14:41:35 - 14:41:45	91.9	14:42:45 - 14:42:55	92.0
14:40:35 - 14:40:45	92.2	14:41:45 - 14:41:55	91.9	14:42:55 - 14:43:05	92.0
14:40:45 - 14:40:55	92.1	14:41:55 - 14:42:05	91.8	14:43:05 - 14:43:15	91.9
14:40:55 - 14:41:05	92.2	14:42:05 - 14:42:15	92.0	14:43:15 - 14:43:25	91.9
14:41:05 - 14:41:15	92.1	14:42:15 - 14:42:25	92.0		
Guaranteed Value*		95		dB(A)	

Source : * Guaranteed Value of GNC Power Plant.

Siriporn
(Siriporn Imwilaiwan)
Environmental Monitoring Manager



Thapson
(Thapson Yommana)
Technical Manager

TY/SS/AS/CJ

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Report No. : 2018-00090 / 001-4 (Page 1 of 1)

Issued date : February 7, 2018

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Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : HRS612 HP turbine bypass valve, GNC
CALIBRATION DATA : Calibrator Model CR:515, Cemus Research plc. Serial No. 81969
 Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Serial No. G080136

MEASUREMENT DATE : February 6, 2018

MEASURED BY : Suriya Srithomee

Noise Level [dB(A)] : February 6, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
14:51:03 - 14:51:13	89.2	14:52:13 - 14:52:23	89.5	14:53:23 - 14:53:33	89.5
14:51:13 - 14:51:23	89.4	14:52:23 - 14:52:33	89.6	14:53:33 - 14:53:43	89.4
14:51:23 - 14:51:33	89.2	14:52:33 - 14:52:43	89.4	14:53:43 - 14:53:53	89.5
14:51:33 - 14:51:43	89.2	14:52:43 - 14:52:53	89.6	14:53:53 - 14:54:03	89.6
14:51:43 - 14:51:53	89.3	14:52:53 - 14:53:03	89.4	14:54:03 - 14:54:13	89.5
14:51:53 - 14:52:03	89.2	14:53:03 - 14:53:13	89.4	14:54:13 - 14:54:23	89.5
14:52:03 - 14:52:13	89.4	14:53:13 - 14:53:23	89.4	14:54:23 - 14:54:33	89.5
Guaranteed Value*		95		dB(A)	

Source : * Guaranteed Value of GNC Power Plant.

Siriporn
 (Siriporn Imwilaiwan)
 Environmental Monitoring Manager



Thapson
 (Thapson Yommana)
 Technical Manager

TY/SS/AS/Cj



Report No. : 2018-00090 / 001-5 (Page 1 of 1)

Issued date : February 7, 2018

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Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : HRS612 LP turbine bypass valve, GNC
CALIBRATION DATA : Calibrator Model CR:515, Cemus Research plc. Serial No. 81969
 Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Serial No. G080136

MEASUREMENT DATE : February 6, 2018

MEASURED BY : Suriya Srithomee

Noise Level [dB(A)] : February 6, 2018					
Time	Leq 10 sec	Time	Leq 10 sec	Time	Leq 10 sec
14:55:03 - 14:55:13	89.4	14:56:33 - 14:56:43	89.4	14:58:03 - 14:58:13	89.3
14:55:13 - 14:55:23	89.2	14:56:43 - 14:56:53	89.3	14:58:13 - 14:58:23	89.2
14:55:23 - 14:55:33	89.1	14:56:53 - 14:57:03	89.2	14:58:23 - 14:58:33	89.3
14:55:33 - 14:55:43	89.4	14:57:03 - 14:57:13	89.3	14:58:33 - 14:58:43	89.3
14:55:43 - 14:55:53	89.3	14:57:13 - 14:57:23	89.2	14:58:43 - 14:58:53	89.4
14:55:53 - 14:56:03	89.3	14:57:23 - 14:57:33	89.3	14:58:53 - 14:59:03	89.3
14:56:03 - 14:56:13	89.4	14:57:33 - 14:57:43	89.4	14:59:03 - 14:59:13	89.3
14:56:13 - 14:56:23	89.2	14:57:43 - 14:57:53	89.3		
14:56:23 - 14:56:33	89.4	14:57:53 - 14:58:03	89.3		
Guaranteed Value*		95		dB(A)	

Source : * Guaranteed Value of GNC Power Plant.

Siriporn
 (Siriporn Imwilaiwan)
 Environmental Monitoring Manager



Thapson
 (Thapson Yommana)
 Technical Manager

TY/SS/AS/Cj

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Master of 2018-04-01

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Master of 2018-04-01

Near field noise (95dBA)
HRSG safety valve silencers

Measured Noise Data by 3rd party, SGS



Report No. : 2018-00090 / 001-1 (Page 1 of 1)

Issued date : February 6, 2018

CLIENT : TOYO ENGINEERING CORPORATION
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Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : HRSG Safety Valve, GNC
CALIBRATION DATA : Calibrator Model CR:515, Cirrus Research plc. Serial No. 81969
Calibration Value Reference : 94.0 dB(A), Pre Cal. : 93.9 dB(A), Post Cal. : 94.0 dB(A)
SOUND LEVEL METER NO. : Model NL-21, Serial No. 00596472

MEASUREMENT DATE : February 6, 2018
MEASURED BY : Suriya Srithomee

Equipment	Steam Pressure	Date	Time	Noise Level [dB(A)]
				Leq 2 sec
HRSG11 HP superheater safety valve silencer	62.7 barG	06/02/2018	13:40	91.4
HRSG11 HP drum safety valve silencer	65.1 barG	06/02/2018	13:27	88.8
HRSG11 LP superheater safety valve silencer	6.6 barG	06/02/2018	13:46	84.6
HRSG11 LP drum safety valve silencer	6.97 barG	06/02/2018	13:47	86.1
HRSG12 HP superheater safety valve silencer	62.7 barG	06/02/2018	14:05	85.6
HRSG12 HP drum safety valve silencer	65.2 barG	06/02/2018	14:01	88.5
HRSG12 LP superheater safety valve silencer	6.7 barG	06/02/2018	14:07	87.9
HRSG12 LP drum safety valve silencer	7.0 barG	06/02/2018	14:10	85.5
Guaranteed Value*				95

Source : * Guaranteed Value of GNC Power Plant.


(Siriporn Imwailaiwan)
Environmental Monitoring Manager




(Thepsan Yommana)
Technical Manager

TY/SS/AS/CJ

Test Results Corrected by Toyo

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Model Form SGT 01/04

Test Results:
The below table summarize test results of HRS safety valve silencers noise. Noise were measured by 3rd party SGS at the indicated test pressure.
Measured noise reported by 3rd party SGS were corrected by applying correction factor in order to take into account influence of test pressure incorporating Owner's comment.

Correction method:

The attachment 3 shows the correction curves which were created based on the noise calculation sheets of PSVs (see Attachment 1) and PSV silencers (see Attachment 2) in order to estimate the noise at PSV noise test at lower operating pressure than SPV popping pressure. Basis of the correction curves are as below;

- (1) Power level of noise at PSV outlet (PWL) is function of set pressure (Ps) and is varied corresponding to variation of Ps. PWL can be calculated according to the equation 1) - 7) in the PSV noise calculation sheet and weighting correction using Table-A provided by Fukui as shown in the Attachment 1.
- (2) PWL at test condition can be estimated by entering operation pressure at test into Ps in the equations in the Attachment-1.
- (3) The PWL can be converted to sound pressure level (SPL) by the equation 9) in the Attachment-1.
- (4) This noise from PSV (= PWL) is reduced by the silencers as Attachment 2. The silencer is sized to achieve guarantee noise level of not exceeding 95dBA at 1m from silencer at design point (PSV popping at set pressure). The Attachment 2 also shows that silencer outlet noise is governed by the silencer inlet noise (= PSV outlet noise) and effect of flow noise is negligible. Therefore the sound pressure level (SPL) at 1 m from silencer outlet at test condition can be estimated by subtracting difference of PSV outlet noise between the one at PSV set pressure and test pressure from design noise level of 95 dBA at silencer outlet as shown in the Attachment 3
- (5) Correction curves are created by plotting estimated noise at various test pressure (x axis) and expected noise at each test pressure (y axis).

Based on the proposed correction curves, the noise test results will be judged as successful when measured noise [dBA] does not exceed expected noise [dBA] at test pressure.

	PSV set	Test date (See SGS Report)	Noise		Test Results	Noise correction curve equation
			Measured	Corrected		
	barg	yyyy/mm/dd	dBA	dBA		
HRS G11					Criteria <=95dBA	
HP drum	70.67	2018/2/6	88.8	90.7	Pass	$y = 5.92583E+00 \ln(x) + 6.97769E+01$
HP S/H	67.55	2018/2/6	91.4	92.8	Pass	$y = 4.30871E+00 \ln(x) + 7.68143E+01$
LP drum	67.55	2018/2/6	86.1	87.4	Pass	$y = 4.87262E+00 \ln(x) + 8.46530E+01$
LP S/H	7.4	2018/2/6	84.6	85.5	Pass	$y = 3.65039E+00 \ln(x) + 8.76884E+01$
HRS G12						
HP drum	70.67	2018/2/6	88.5	90.4	Pass	$y = 5.92583E+00 \ln(x) + 6.97769E+01$
HP S/H	67.55	2018/2/6	85.6	86.9	Pass	$y = 4.30871E+00 \ln(x) + 7.68143E+01$
LP drum	8.27	2018/2/6	85.5	86.8	Pass	$y = 4.87262E+00 \ln(x) + 8.46530E+01$
LP S/H	7.4	2018/2/6	87.9	88.7	Pass	$y = 3.65039E+00 \ln(x) + 8.76884E+01$

Noise Calculation Sheet			
騒音計算書 (ISO4216-9 Annex F)		PLANT	Gulf SPP3 B
		P.O. No.	150200-010
		JOB No.	150200
1	Item No.	アイテム番号	
2	Tag No.	弁番号	11/12HAD10AA401
3	Fukui Use 1	福井 使用欄 1	15L-032A-C/0
4	Fukui Use 2	福井 使用欄 2	20150 2250,2257,2264-1-2
5	FUKUI Style	型式番号	SL631-M2(T)
6	Size	サイズ	2.1/2*K*6
7	Throat Diameter	のど部の径	dt 40.6 mm
8	Orifice Area	吹出し面積	A ₁ 12.946 cm ²
9	Outlet Diameter	出口の径	do 150 mm
10	Outlet Area	出口面積	A ₂ 176.714 cm ²
11	Fluid	流体名	STEAM
12	Mol. Wt.	分子量	M 18
13	Specific Heat Ratio	比熱比	k 1.25
14	Relieving Temp.	吹出温度	T 289.4 °C
15			562.4 K
16	Set Pressure	設定圧力	Ps 70.67 barG
17			7.067 MPaG
18	Allowable Over Press.	許容超過圧力	A _G 3 %
19	Atmos. Press.	大気圧	Pa 0.101 MPaA
20	Gas Constant	ガス定数	R 8.314 J / (mol・K)
21	Relieving Pressure from (2)	吹出し量決定圧力 (2)式より	P ₀ 7.38001 MPaA
22	Ratio Volume at Throat from (3)	のど部の比容積 (3)式より	V ₁ 0.0352 m ³ /kg
23	Pressure at Outlet from (4)	出口圧力 (4)式より	P ₂ 0.3 MPaA
24	Ratio Volume at Outlet from (5)	出口部比容積 (5)式より	V ₂ 0.4563 m ³ /kg
25	Speed at Throat from (6)	のど部流体速度 (6)式より	U 570 m/s
26	Power Level at Valve from (1)	音響出力*1 (1)式より	PWL ₁ 144 dB
27	Center Frequency from (7)	中心周波数(7)式より	f 760 Hz
28	Surface Density	二次側配管材の面密度 *2	m 55.7 kg/m ²
29	Power Level from Table (A)	音響出力 (A)表より	PWL 142 dBA
30	Sound Pressure Level from (9)	音圧レベル (9)式より	SPL 135 dBA
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
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50			
51			
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53			
54			
55			
56			
57			
58			
59			
60			

*1: Power level generated from valve outlet to outlet pipe internal / 安全弁から二次側配管内に発生する音響出力

*2: Calculation is outlet pipe Sch40 (Steel Pipe) basis / 二次側配管サイズはSch40(鋼管)とする。

Octave band / オクターブバンド	Hz	63	125	250	500	1000	2000	4000	8000	OA
PWL ₁	dB	134	134	135	135	136	135	134	132	144
A Weighting / A特性補正	dB	-26	-16	-9	-3	0	1	1	-1	-
Transmission Loss / 透過損失 TL(8)	dB	0	0	0	0	0	0	0	0	-
PWL	dBA	108	118	126	132	136	136	135	131	142

Noise Calculation Sheet 騒音計算書 (ISO4216-9 Annex F)			
PLANT Gulf SPP3 B		P.O. No. 150200-010	
JOB No. 150200			
<div>GENERAL 全項目</div> <div>1 Item No. アイテム番号</div> <div>2 Tag No. 弁番号 11/12LBA10AA401</div> <div>3 Fukui Use 1 福井 使用欄 1 15L-032A-C/0</div> <div>4 Fukui Use 2 福井 使用欄 2 20150 2251,2258,2265-1-2</div> <div>5 FUKUI Style 型式番号 SL651-C2-M2(T)</div> <div>6 Size サイズ 2*H*3</div> <div>7 Throat Diameter のど部の径 dt 26.6 mm</div> <div>8 Orifice Area 吹出し面積 A₁ 5.557 cm²</div> <div>9 Outlet Diameter 出口の径 do 80 mm</div> <div>10 Outlet Area 出口面積 A₂ 50.265 cm²</div> <div>11 Fluid 流体名 STEAM</div> <div>12 Mol. Wt. 分子量 M 18</div> <div>13 Specific Heat Ratio 比熱比 k 1.28</div> <div>14 Relieving Temp. 吹出温度 T 472 °C</div> <div>15 745 K</div> <div>16 Set Pressure 設定圧力 Ps 67.55 barG</div> <div>17 6.755 MPaG</div> <div>18 Allowable Over Press. 許容超過圧力 A_C 3 %</div> <div>19 Atmos. Press. 大気圧 Pa 0.101 MPaA</div> <div>20 Gas Constant ガス定数 R 8.314 J / (mol·K)</div> <div>21 Relieving Pressure from (2) 吹出し量決定圧力 (2)式より P₀ 7.05865 MPaA</div> <div>22 Ratio Volume at Throat from (3) のど部の比容積 (3)式より V₁ 0.04875 m³/kg</div> <div>23 Pressure at Outlet from (4) 出口圧力 (4)式より P₂ 0.4287 MPaA</div> <div>24 Ratio Volume at Outlet from (5) 出口部比容積 (5)式より V₂ 0.4349 m³/kg</div> <div>25 Speed at Throat from (6) のど部流体速度 (6)式より U 664 m/s</div> <div>26 Power Level at Valve from (1) 音響出力*1 (1)式より PWL₁ 145 dB</div> <div>27 Center Frequency from (7) 中心周波数(7)式より f 1660 Hz</div> <div>28 Surface Density 二次側配管材の面密度 *2 m 43.2 kg/m²</div> <div>29 Power Level from Table (A) 音響出力 (A)表より PWL 144 dBA</div> <div>30 Sound Pressure Level from (9) 音圧レベル (9)式より SPL 137 dBA</div> <div>31 $PWL_1 = 20 \log \frac{dt}{1000} - 10 \log v_2 + 80 \log U - 53$ (1) $U = \sqrt{\frac{1000 \kappa R T}{M}}$ (6)</div> <div>32 $P_0 = P_s \left(1 + \frac{A_c}{100} \right) + P_a$ (2)</div> <div>33 $v_1 = \frac{RT}{1000 \times MP_0}$ (3) $f = \frac{0.2U}{do} \times 1000$ (7)</div> <div>34 $P_2 = \left(\frac{2}{\kappa + 1} \right)^{\frac{\kappa}{\kappa - 1}} \frac{A_1}{A_2} P_0$ (4) $TL = 18 \log (m \times f) - 44$ (8)</div> <div>35 $v_2 = \left(\frac{P_0}{P_2} \right)^{\frac{1}{\kappa}} v_1$ (5) $SPL = PWL - 10 \log (2 \pi r^2)$ (9)</div> <div>36 $r = 1m$ (from Outlet)</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>49</div> <div>50</div> <div>51</div> <div>52</div> <div>53</div> <div>54</div> <div>55</div> <div>56</div> <div>57</div> <div>58</div> <div>59</div> <div>60</div>			

*1: Power level generated from valve outlet to outlet pipe internal / 安全弁から二次側配管内に発生する音響出力
*2: Calculation is outlet pipe Sch40 (Steel Pipe) basis / 二次側配管サイズはSch40(鋼管)とする。

Octave band / オクターブバンド	Hz	63	125	250	500	1000	2000	4000	8000	OA
PWL ₁	dB	134	135	135	136	136	137	136	135	145
A Weighting / A特性補正	dB	-26	-16	-9	-3	0	1	1	-1	-
Transmission Loss / 透過損失 TL(8)	dB	0	0	0	0	0	0	0	0	-
PWL	dBA	108	119	126	133	136	138	137	134	144

Noise Calculation Sheet 騒音計算書 (ISO4216-9 Annex F)			
PLANT Gulf SPP3 B		P.O. No. 150200-010	
JOB No. 150200			
<div>GENERAL 全項目</div> <div>1 Item No. アイテム番号</div> <div>2 Tag No. 弁番号 11/12HAD50AA401</div> <div>3 Fukui Use 1 福井 使用欄 1 15L-032A-C/0</div> <div>4 Fukui Use 2 福井 使用欄 2 20150 2253,2260,2267-1-2</div> <div>5 FUKUI Style 型式番号 SL231(T)</div> <div>6 Size サイズ 4*P*6</div> <div>7 Throat Diameter のど部の径 dt 75.7 mm</div> <div>8 Orifice Area 吹出し面積 A₁ 45.007 cm²</div> <div>9 Outlet Diameter 出口の径 do 150 mm</div> <div>10 Outlet Area 出口面積 A₂ 176.714 cm²</div> <div>11 Fluid 流体名 STEAM</div> <div>12 Mol. Wt. 分子量 M 18</div> <div>13 Specific Heat Ratio 比熱比 k 1.29</div> <div>14 Relieving Temp. 吹出温度 T 177.8 °C</div> <div>15 450.8 K</div> <div>16 Set Pressure 設定圧力 Ps 8.27 barG</div> <div>17 0.827 MPaG</div> <div>18 Allowable Over Press. 許容超過圧力 A_C 3 %</div> <div>19 Atmos. Press. 大気圧 Pa 0.101 MPaA</div> <div>20 Gas Constant ガス定数 R 8.314 J / (mol·K)</div> <div>21 Relieving Pressure from (2) 吹出し量決定圧力 (2)式より P₀ 0.95281 MPaA</div> <div>22 Ratio Volume at Throat from (3) のど部の比容積 (3)式より V₁ 0.21853 m³/kg</div> <div>23 Pressure at Outlet from (4) 出口圧力 (4)式より P₂ 0.1329 MPaA</div> <div>24 Ratio Volume at Outlet from (5) 出口部比容積 (5)式より V₂ 1.0062 m³/kg</div> <div>25 Speed at Throat from (6) のど部流体速度 (6)式より U 518 m/s</div> <div>26 Power Level at Valve from (1) 音響出力*1 (1)式より PWL₁ 142 dB</div> <div>27 Center Frequency from (7) 中心周波数(7)式より f 691 Hz</div> <div>28 Surface Density 二次側配管材の面密度 *2 m 55.7 kg/m²</div> <div>29 Power Level from Table (A) 音響出力 (A)表より PWL 140 dBA</div> <div>30 Sound Pressure Level from (9) 音圧レベル (9)式より SPL 133 dBA</div> <div>31 $PWL_1 = 20 \log \frac{dt}{1000} - 10 \log v_2 + 80 \log U - 53$ (1) $U = \sqrt{\frac{1000 \kappa R T}{M}}$ (6)</div> <div>32 $P_0 = P_s \left(1 + \frac{A_c}{100} \right) + P_a$ (2)</div> <div>33 $v_1 = \frac{RT}{1000 \times MP_0}$ (3) $f = \frac{0.2U}{do} \times 1000$ (7)</div> <div>34 $P_2 = \left(\frac{2}{\kappa + 1} \right)^{\frac{\kappa}{\kappa - 1}} \frac{A_1}{A_2} P_0$ (4) $TL = 18 \log (m \times f) - 44$ (8)</div> <div>35 $v_2 = \left(\frac{P_0}{P_2} \right)^{\frac{1}{\kappa}} v_1$ (5) $SPL = PWL - 10 \log (2 \pi r^2)$ (9)</div> <div>36 $r = 1m$ (from Outlet)</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>49</div> <div>50</div> <div>51</div> <div>52</div> <div>53</div> <div>54</div> <div>55</div> <div>56</div> <div>57</div> <div>58</div> <div>59</div> <div>60</div>			

*1: Power level generated from valve outlet to outlet pipe internal / 安全弁から二次側配管内に発生する音響出力
*2: Calculation is outlet pipe Sch40 (Steel Pipe) basis / 二次側配管サイズはSch40(鋼管)とする。

Octave band / オクターブバンド	Hz	63	125	250	500	1000	2000	4000	8000	OA
PWL ₁	dB	133	134	134	135	134	133	131	130	142
A Weighting / A特性補正	dB	-26	-16	-9	-3	0	1	1	-1	-
Transmission Loss / 透過損失 TL(8)	dB	0	0	0	0	0	0	0	0	-
PWL	dBA	107	118	125	132	134	134	132	129	140

Noise Calculation Sheet				PLANT Gulf SPP3 B	
騒音計算書 (ISO4216-9 Annex F)				P.O. No. 150200-010	
				JOB No. 150200	
GENERAL 全項目	1 Item No.	アイテム番号			
	2 Tag No.	弁番号		11/12LBA50AA401	
	3 Fukui Use 1	福井 使用欄 1		15L-032A-C/O	
	4 Fukui Use 2	福井 使用欄 2		2015O 2254.2261.2268-1-2	
	5 FUKUI Style	型式番号		SL231(T)	
DIMENSIONS 寸法	6 Size	サイズ		3*K*4	
	7 Throat Diameter	のど部の径	dt	40.6 mm	
	8 Orifice Area	吹出し面積	A ₁	12.946 cm ²	
	9 Outlet Diameter	出口の径	do	100 mm	
	10 Outlet Area	出口面積	A ₂	78.54 cm ²	
PARAMETERS 仕様	11 Fluid	流体名		STEAM	
	12 Mol. Wt.	分子量	M	18	
	13 Specific Heat Ratio	比熱比	k	1.3	
	14 Relieving Temp.	吹出温度	T	253 °C	
				526 K	
	15 Set Pressure	設定圧力	P _s	7.4 barG	
				0.74 MPaG	
	16 Allowable Over Press.	許容超過圧力	A _c	3 %	
	17 Atmos. Press.	大気圧	P _a	0.101 MPaA	
	18 Gas Constant	ガス定数	R	8.314 J / (mol·K)	
	19 Relieving Pressure from (2)	吹出し量決定圧力 (2)式より	P ₀	0.8632 MPaA	
	20 Ratio Volume at Throat from (3)	のど部の比容積 (3)式より	V ₁	0.28146 m ³ /kg	
	21 Pressure at Outlet from (4)	出口圧力 (4)式より	P ₂	0.0776 MPaA	
	22 Ratio Volume at Outlet from (5)	出口部比容積 (5)式より	V ₂	1.7957 m ³ /kg	
	23 Speed at Throat from (6)	のど部流体速度 (6)式より	U	562 m/s	
CALCULATION 計算式	24 Power Level at Valve from (1)	音響出力*1 (1)式より	PWL ₁	137 dB	
	25 Center Frequency from (7)	中心周波数 (7)式より	f	1124 Hz	
	26 Surface Density	二次側配管材の面密度 *2	m	47.1 kg/m ²	
	27 Power Level from Table (A)	音響出力 (A)表より	PWL	135 dBA	
	28 Sound Pressure Level from (9)	音圧レベル (9)式より	SPL	128 dBA	
	29				
	30				
	31				
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*1: Power level generated from valve outlet to outlet pipe internal / 安全弁から二次側配管内に発生する音響出力

*2: Calculation is outlet pipe Sch40 (Steel Pipe) basis / 二次側配管サイズはSch40(鋼管)とする。

Octave band / オクターブバンド	Hz	63	125	250	500	1000	2000	4000	8000	OA
PWL ₁	dB	127	127	128	128	129	128	127	125	137
A Weighting / A特性補正	dB	-26	-16	-9	-3	0	1	1	-1	-
Transmission Loss/透過損失 TL(8)	dB	0	0	0	0	0	0	0	0	-
PWL	dBA	101	111	119	125	129	129	128	124	135

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Transmittal					
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1 For approval	4 For information	7 final			
2 For production	5 As requested				
3 For construction	6 revision				
Remarks					
When receiving revised drawings, all previous versions of these drawings are expired. Please make sure that the previous versions of these drawings are marked obsolete or destroyed					
Return a completed and signed copy of this transmittal to Aarding Thermal Acoustics USA by e-mail or fax					
Received on.		Ref.		Signature	

Attachment 2

NOISE CALCULATION STEAM VENT SILENCER											

Date:	25/Nov/15										
Project:	P15419 - Gulf SPP3 B - NE-PO: 150200-020										
Item:	1 - 11 / 12HAD10BS201										
Revision:	1										

Freq.Hz	31	63	125	250	500	1000	2000	4000	8000	dBA	

Lw core 1 inlet	117	120	124	129	136	141	145	147	147	152	
Diffuser Element 1	0	8	16	21	28	34	37	33	30		
Lw core 1 silenced	117	112	108	108	108	107	108	114	117	119	
	0	0	0	0	0	0	0	0	0	7	
	0	0	0	0	0	0	0	0	0	0	
Lw core 2 silenced	0	0	0	0	0	0	0	0	0	7	
	0	0	0	0	0	0	0	0	0	7	
	0	0	0	0	0	0	0	0	0	0	
Lw core 3 silenced	0	0	0	0	0	0	0	0	0	7	
	0	0	0	0	0	0	0	0	0	7	
Total Silenced Cores	117	112	108	108	108	107	108	114	117	119 **	
Casing (=Dir 90°)	2	2	3	5	6	8	9	10	11		
Splitter Package	0	0	0	0	0	0	0	0	0		

Total Lw no flow noise	115	110	105	103	102	99	99	104	106	109	
Flow noise*	70	70	70	70	66	61	56	52	47	67	

Lw ir	115	110	105	103	102	99	99	104	106	109	
Lw - Lp @ 1 m	15	15	15	15	15	15	15	15	15		

Expected Lp @ 1 m / 90°	99	94	89	87	86	83	83	88	90	94	

Required Lp @ 1 m / 90° 95.0 dBA											

"These acoustic calculations are based on actual venting noise of the silencer discharge with no inclusion of silencer upstream pipe radiated noise or any and all other noise sources within the measurement vicinity that may increase our acoustic prediction results due to measurement locations."



Attachment 2

NOISE CALCULATION STEAM VENT SILENCER

Date:	25/Nov/15
Project:	P15419 - Gulf SPP3 B - NE-PO: 150200-020
Item:	4 - 11 / 12HAD50BS201
Revision:	1

Freq.Hz	31	63	125	250	500	1000	2000	4000	8000	dBA
Lw core 1 Inlet	106	109	113	118	125	130	134	136	136	141
Diffuser Element 1	0	6	14	20	28	32	31	27	22	
Lw core 1 silenced	106	103	99	98	97	98	103	109	114	115
	0	0	0	0	0	0	0	0	0	7
Lw core 2 silenced	0	0	0	0	0	0	0	0	0	7
	0	0	0	0	0	0	0	0	0	7
Lw core 3 silenced	0	0	0	0	0	0	0	0	0	7
	0	0	0	0	0	0	0	0	0	7
Total Silenced Cores	106	103	99	98	97	98	103	109	114	115 **
Casing (=Dir 90°)	2	2	3	5	6	8	9	10	11	
Splitter Package	0	0	0	0	0	0	0	0	0	
Total Lw no flow noise	104	101	96	93	91	90	94	99	103	105
Flow noise*	61	61	61	60	55	51	46	41	37	57
Lw Ir	104	101	96	93	91	90	94	99	103	105
Lw - Lp @ 1 m	14	14	14	14	14	14	14	14	14	
Expected Lp @ 1 m / 90°	90	87	82	79	77	76	80	85	89	90

Required Lp @ 1 m / 90° 95.0 dBA

ø Casing	38.2 [Inch]	970 [mm]
Flow	48,404 [lb/hr]	21,956 [kg/hr]
Temp	350 [°F]	177 [°C]
Lw max*		141.0 [dB]

Lw core1	141.0 [dB]
	0.0 [dB]
	[dB]

**Core with the highest reduction

Velocity casing	52 [ft/s]	15.78 [m/s]
Open area casing	2.42 [ft²]	0.74 [m²]
Temp In casing	326 [°F]	149 [°C]
Flow Noise*		66 [dB]

*In case of combined Flows

"These acoustic calculations are based on actual venting noise of the silencer discharge with no inclusion of silencer upstream pipe radiated noise or any and all other noise sources within the measurement vicinity that may increase our acoustic prediction results due to measurement locations."



Attachment 2

NOISE CALCULATION STEAM VENT SILENCER										

Date:	25/Nov/15									
Project:	P15419 - Gulf SPP3 B - NE-PO: 150200-020									
Item:	2 - 11 / 12LBA10BS201									
Revision:	1									
Freq.Hz	31	63	125	250	500	1000	2000	4000	8000	dBA

Lw core 1 Inlet	115	118	122	127	134	139	143	145	145	150
Diffuser Element 1	0	5	16	21	28	34	37	33	30	
Lw core 1 silenced	115	110	106	106	106	105	106	112	115	117
	0	0	0	0	0	0	0	0	0	7
	0	0	0	0	0	0	0	0	0	7
Lw core 2 silenced	0	0	0	0	0	0	0	0	0	7
	0	0	0	0	0	0	0	0	0	7
	0	0	0	0	0	0	0	0	0	7
Lw core 3 silenced	0	0	0	0	0	0	0	0	0	7
	0	0	0	0	0	0	0	0	0	7
Total Silenced Cores	115	110	106	106	106	105	106	112	115	117 **
Casing (=Dir 90°)	2	2	3	5	6	8	9	10	11	
Splitter Package	0	0	0	0	0	0	0	0	0	
Total Lw no flow noise	113	108	103	101	100	97	97	102	104	107
Flow noise*	51	51	51	47	42	38	33	28	24	44
Lw Ir	113	108	103	101	100	97	97	102	104	107
Lw - Lp @ 1 m	15	15	15	15	15	15	15	15	15	
Expected Lp @ 1 m / 90°	97	92	87	85	84	81	81	86	88	92
Required Lp @ 1 m / 90°										95.0 dBA

σ Casing	49.7 [Inch]	1,262 [mm]
Flow	35,617 [lb/hr]	16,156 [kg/hr]
Temp	882 [°F]	472 [°C]
Lw max*		149.7 [dB]
Lw core1		149.7 [dB]
		0.0 [dB]
		[dB]
**Core with the highest reduction		
Velocity casing	38 [ft/s]	11.54 [m/s]
Open area casing	4.10 [ft²]	1.25 [m²]
Temp in casing	835 [°F]	432 [°C]
Flow Noise*		56 [dB]

*In case of combined Flows

"These acoustic calculations are based on actual venting noise of the silencer discharge with no inclusion of silencer upstream pipe radiated noise or any and all other noise sources within the measurement vicinity that may increase our acoustic prediction results due to measurement locations."



Attachment 2

NOISE CALCULATION STEAM VENT SILENCER										

Date:	25/Nov/15									
Project:	P15419 - Gulf SPP3 B - NE-PO: 150200-020									
Item:	5 - 11 / 12LBA50BS201									
Revision:	1									
Freq.Hz	31	63	125	250	500	1000	2000	4000	8000	dBA

Lw core 1 Inlet	99	102	106	111	118	123	127	129	129	134
Diffuser Element 1	0	8	13	18	27	29	28	25	21	
Lw core 1 silenced	99	94	93	93	91	94	99	104	108	110
	0	0	0	0	0	0	0	0	0	7
	0	0	0	0	0	0	0	0	0	7
Lw core 2 silenced	0	0	0	0	0	0	0	0	0	7
	0	0	0	0	0	0	0	0	0	7
	0	0	0	0	0	0	0	0	0	7
Lw core 3 silenced	0	0	0	0	0	0	0	0	0	7
	0	0	0	0	0	0	0	0	0	7
Total Silenced Cores	99	94	93	93	91	94	99	104	108	110 **
Casing (=Dir 90°)	2	2	3	5	6	8	9	10	11	
Splitter Package	0	0	0	0	0	0	0	0	0	
Total Lw no flow noise	97	92	90	88	85	86	90	94	97	100
Flow noise*	30	30	25	20	16	11	6	2	-3	18
Lw Ir	97	92	90	88	85	86	90	94	97	100
Lw - Lp @ 1 m	14	14	14	14	14	14	14	14	14	
Expected Lp @ 1 m / 90°	83	78	76	74	71	72	76	80	83	85
Required Lp @ 1 m / 90°										95.0 dBA

σ Casing	38.2 [Inch]	970 [mm]
Flow	11,947 [lb/hr]	5,419 [kg/hr]
Temp	487 [°F]	253 [°C]
Lw max*		134.1 [dB]
Lw core1		134.1 [dB]
		0.0 [dB]
		[dB]
**Core with the highest reduction		
Velocity casing	16 [ft/s]	4.76 [m/s]
Open area casing	2.42 [ft²]	0.74 [m²]
Temp in casing	490 [°F]	240 [°C]
Flow Noise*		35 [dB]

*In case of combined Flows

"These acoustic calculations are based on actual venting noise of the silencer discharge with no inclusion of silencer upstream pipe radiated noise or any and all other noise sources within the measurement vicinity that may increase our acoustic prediction results due to measurement locations."



Attachment 3

HRSG PSV Silencer Noise Test for GNC, GNRV1 and GNRV2 (LM6000 sites)

	GNC					Noise correction curve equation
	PSV set	Test date	Test Pmax	Noise		
				Measured dBA	Corrected dBA	
	barg	yyyy/mm/dd	barg	60	90	Criteria c=80dBA
HRS011	HP drum	70.67	60.0	90.0	90.9	$= 5.92583E+00(nv) + 6.97769E+01$
	HP S-H	67.55	60.0	90.0	90.5	$= 4.30871E+00(nv) + 7.68143E+01$
	LP drum	6.27	7.0	90.0	90.8	$= 4.87262E+00(nv) + 8.46530E+01$
	LP S-H	7.4	6.0	90.0	90.7	$= 3.65038E+00(nv) + 8.76884E+01$
HRS012	HP drum	70.67	60.0	90.0	90.9	$= 5.92583E+00(nv) + 6.97769E+01$
	HP S-H	67.55	60.0	90.0	90.5	$= 4.30871E+00(nv) + 7.68143E+01$
	LP drum	6.27	7.0	90.0	90.8	$= 4.87262E+00(nv) + 8.46530E+01$
	LP S-H	7.4	6.0	90.0	90.7	$= 3.65038E+00(nv) + 8.76884E+01$

By Fukui
Original message from Fukui (Japanese)
1) 中心周波数及びTABLE Bより各周波数に対する補正値を求める。
2) 80barの場合、中心周波数761HzのPをP1としP5の補正値になります。
3) $10 \times \log(10^{(P1/10)} + 10^{(P2/10)} + 10^{(P3/10)} + 10^{(P4/10)} + 10^{(P5/10)} + 10^{(P6/10)} + 10^{(P7/10)} + 10^{(P8/10)} + \dots)$ (1式)
4) (1式)がPWLと同等になるように各周波数でのPを求める。P1からP8は各周波数でのPWL(下表参照)
5) 80barの場合、中心は1000Hzとなる(1000Hzで補正値)のでP5を算出したPWL1を初期値として144, 143, 142...と1づつ減らしていき(1式)が最もPWL1に近い値となるP5を決定していきます。P5以外のPはP1+P5+P1で求めます。例P1=P5+P1
6) PWL1+A weighting+Transmission lossより各周波数でのPWLを求めます。
7) (1式)のPに各周波数でのPWLを代入することによってPWLが求まります。

English translation
1) Calculate center frequency per equation 7 on the PSV noise calculation sheet and obtain A weighting correction from the table B below
2) In case P=80bar, center frequency is 761 Hz. Therefore use A weighting correction for 770Hz(=761Hz) as per table B
3) $10 \times \log(10^{(P1/10)} + 10^{(P2/10)} + 10^{(P3/10)} + 10^{(P4/10)} + 10^{(P5/10)} + 10^{(P6/10)} + 10^{(P7/10)} + 10^{(P8/10)} + \dots)$ (Equation 1)
4) Determine all of P1 to be overall PWL1 per equation 1 above and overall PWL1 per PSV noise calculation sheet is equal.
5) In case P=80bar, center frequency is 1000Hz. Therefore A weighting correction at PS is zero. The other P1 can be automatically calculated from the above table B.
Adjust figure of P5 manually in order for overall PWL1 per noise calculation sheet equals to PWL1 per above equation 1.
6) Obtain PWL = PWL1+A weighting+Transmission loss
7) By entering PWL for each frequency in the above equation 1, Overall PWL (after corrections)

TABLE B											
Center Frequency											
63	P	63	125	250	500	1000	2000	4000	8000	16000	32000
80	P	0	-1.2	-2.4	-3.6	-4.8	-6	-7.2	-8.4	-9.6	-10.8
100	P	-2.4	-3.6	-4.8	-6	-7.2	-8.4	-9.6	-10.8	-12	-13.2
125	P	-3.6	-4.8	-6	-7.2	-8.4	-9.6	-10.8	-12	-13.2	-14.4
160	P	-4.8	-6	-7.2	-8.4	-9.6	-10.8	-12	-13.2	-14.4	-15.6
200	P	-6	-7.2	-8.4	-9.6	-10.8	-12	-13.2	-14.4	-15.6	-16.8
250	P	-7.2	-8.4	-9.6	-10.8	-12	-13.2	-14.4	-15.6	-16.8	-18
315	P	-8.4	-9.6	-10.8	-12	-13.2	-14.4	-15.6	-16.8	-18	-19.2
400	P	-9.6	-10.8	-12	-13.2	-14.4	-15.6	-16.8	-18	-19.2	-20.4
500	P	-10.8	-12	-13.2	-14.4	-15.6	-16.8	-18	-19.2	-20.4	-21.6
630	P	-12	-13.2	-14.4	-15.6	-16.8	-18	-19.2	-20.4	-21.6	-22.8
800	P	-13.2	-14.4	-15.6	-16.8	-18	-19.2	-20.4	-21.6	-22.8	-24
1000	P	-14.4	-15.6	-16.8	-18	-19.2	-20.4	-21.6	-22.8	-24	-25.2
1250	P	-15.6	-16.8	-18	-19.2	-20.4	-21.6	-22.8	-24	-25.2	-26.4
1600	P	-16.8	-18	-19.2	-20.4	-21.6	-22.8	-24	-25.2	-26.4	-27.6
2000	P	-18	-19.2	-20.4	-21.6	-22.8	-24	-25.2	-26.4	-27.6	-28.8
2500	P	-19.2	-20.4	-21.6	-22.8	-24	-25.2	-26.4	-27.6	-28.8	-30
3150	P	-20.4	-21.6	-22.8	-24	-25.2	-26.4	-27.6	-28.8	-30	-31.2
4000	P	-21.6	-22.8	-24	-25.2	-26.4	-27.6	-28.8	-30	-31.2	-32.4
5000	P	-22.8	-24	-25.2	-26.4	-27.6	-28.8	-30	-31.2	-32.4	-33.6
6300	P	-24	-25.2	-26.4	-27.6	-28.8	-30	-31.2	-32.4	-33.6	-34.8
8000	P	-25.2	-26.4	-27.6	-28.8	-30	-31.2	-32.4	-33.6	-34.8	-36
10000	P	-26.4	-27.6	-28.8	-30	-31.2	-32.4	-33.6	-34.8	-36	-37.2
12500	P	-27.6	-28.8	-30	-31.2	-32.4	-33.6	-34.8	-36	-37.2	-38.4
16000	P	-28.8	-30	-31.2	-32.4	-33.6	-34.8	-36	-37.2	-38.4	-39.6
20000	P	-30	-31.2	-32.4	-33.6	-34.8	-36	-37.2	-38.4	-39.6	-40.8
25000	P	-31.2	-32.4	-33.6	-34.8	-36	-37.2	-38.4	-39.6	-40.8	-42
31500	P	-32.4	-33.6	-34.8	-36	-37.2	-38.4	-39.6	-40.8	-42	-43.2
40000	P	-33.6	-34.8	-36	-37.2	-38.4	-39.6	-40.8	-42	-43.2	-44.4
50000	P	-34.8	-36	-37.2	-38.4	-39.6	-40.8	-42	-43.2	-44.4	-45.6
63000	P	-36	-37.2	-38.4	-39.6	-40.8	-42	-43.2	-44.4	-45.6	-46.8
80000	P	-37.2	-38.4	-39.6	-40.8	-42	-43.2	-44.4	-45.6	-46.8	-48
100000	P	-38.4	-39.6	-40.8	-42	-43.2	-44.4	-45.6	-46.8	-48	-49.2
125000	P	-39.6	-40.8	-42	-43.2	-44.4	-45.6	-46.8	-48	-49.2	-50.4
160000	P	-40.8	-42	-43.2	-44.4	-45.6	-46.8	-48	-49.2	-50.4	-51.6
200000	P	-42	-43.2	-44.4	-45.6	-46.8	-48	-49.2	-50.4	-51.6	-52.8
250000	P	-43.2	-44.4	-45.6	-46.8	-48	-49.2	-50.4	-51.6	-52.8	-54
315000	P	-44.4	-45.6	-46.8	-48	-49.2	-50.4	-51.6	-52.8	-54	-55.2
400000	P	-45.6	-46.8	-48	-49.2	-50.4	-51.6	-52.8	-54	-55.2	-56.4
500000	P	-46.8	-48	-49.2	-50.4	-51.6	-52.8	-54	-55.2	-56.4	-57.6
630000	P	-48	-49.2	-50.4	-51.6	-52.8	-54	-55.2	-56.4	-57.6	-58.8
800000	P	-49.2	-50.4	-51.6	-52.8	-54	-55.2	-56.4	-57.6	-58.8	-60
1000000	P	-50.4	-51.6	-52.8	-54	-55.2	-56.4	-57.6	-58.8	-60	-61.2
1250000	P	-51.6	-52.8	-54	-55.2	-56.4	-57.6	-58.8	-60	-61.2	-62.4
1600000	P	-52.8	-54	-55.2	-56.4	-57.6	-58.8	-60	-61.2	-62.4	-63.6
2000000	P	-54	-55.2	-56.4	-57.6	-58.8	-60	-61.2	-62.4	-63.6	-64.8
2500000	P	-55.2	-56.4	-57.6	-58.8	-60	-61.2	-62.4	-63.6	-64.8	-66
3150000	P	-56.4	-57.6	-58.8	-60	-61.2	-62.4	-63.6	-64.8	-66	-67.2
4000000	P	-57.6	-58.8	-60	-61.2	-62.4	-63.6	-64.8	-66	-67.2	-68.4
5000000	P	-58.8	-60	-61.2	-62.4	-63.6	-64.8	-66	-67.2	-68.4	-69.6
6300000	P	-60	-61.2	-62.4	-63.6	-64.8	-66	-67.2	-68.4	-69.6	-70.8
8000000	P	-61.2	-62.4	-63.6	-64.8	-66	-67.2	-68.4	-69.6	-70.8	-72
10000000	P	-62.4	-63.6	-64.8	-66	-67.2	-68.4	-69.6	-70.8	-72	-73.2
12500000	P	-63.6	-64.8	-66	-67.2	-68.4	-69.6	-70.8	-72	-73.2	-74.4
16000000	P	-64.8	-66	-67.2	-68.4	-69.6	-70.8	-72	-73.2	-74.4	-75.6
20000000	P	-66	-67.2	-68.4	-69.6	-70.8	-72	-73.2	-74.4	-75.6	-76.8
25000000	P	-67.2	-68.4	-69.6	-70.8	-72	-73.2	-74.4	-75.6	-76.8	-78
31500000	P	-68.4	-69.6	-70.8	-72	-73.2	-74.4	-75.6	-76.8	-78	-79.2
40000000	P	-69.6	-70.8	-72	-73.2	-74.4	-75.6	-76.8	-78	-79.2	-80.4
50000000	P	-70.8	-72	-73.2	-74.4	-75.6	-76.8	-78	-79.2	-80.4	-81.6
63000000	P	-72	-73.2	-74.4	-75.6	-76.8	-78	-79.2	-80.4	-81.6	-82.8
80000000	P	-73.2	-74.4	-75.6	-76.8	-78	-79.2	-80.4	-81.6	-82.8	-84
100000000	P	-74.4	-75.6	-76.8	-78	-79.2	-80.4	-81.6	-82.8	-84	-85.2
125000000	P	-75.6	-76.8	-78	-79.2	-80.4	-81.6	-82.8	-84	-85.2	-86.4
160000000	P	-76.8	-78	-79.2	-80.4	-81.6	-82.8	-84	-85.2	-86.4	-87.6
200000000	P	-78	-79.2	-80.4	-81.6	-82.8	-84	-85.2	-86.4	-87.6	-88.8
250000000	P	-79.2	-80.4	-81.6	-82.8	-84	-85.2	-86.4	-87.6	-88.8	-90
315000000	P	-80.4	-81.6	-82.8	-84	-85.2	-86.4	-87.6	-88.8	-90	-91.2
400000000	P	-81.6	-82.8	-84	-85.2	-86.4	-87.6	-88.8	-90	-91.2	-92.4
500000000	P	-82.8	-84	-85.2	-86.4	-87.6	-88.8	-90	-91.2	-92.4	-93.6
630000000	P	-84	-85.2	-86.4	-87.6	-88.8	-90	-91.2	-92.4	-93.6	-94.8
800000000	P	-85.2	-86.4	-87.6	-88.8	-90	-91.2	-92.4	-93.6	-94.8	-96
1000000000	P	-86.4	-87.6	-88.8	-90	-91.2	-92.4	-93.6	-94.8	-96	-97.2
1250000000	P	-87.6	-88.8	-90	-91.2	-92.4	-93.6	-94.8	-96	-97.2	-98.4
1600000000	P	-88.8	-90	-91.2	-92.4	-93.6	-94.8	-96	-97.2	-98.4	-99.6
2000000000	P	-90	-91.2	-92.4	-93.6	-94.8	-96	-97.2	-98.4	-99.6	-100.8
2500000000	P	-91.2	-92.4	-93.6	-94.8	-96	-97.2	-98.4	-99.6	-100.8	-102
3150000000	P	-92.4	-93.6	-94.8	-96	-97.2	-98.4	-99.6	-100.8	-102	-103.2
4000000000	P	-93.6	-94.8	-96	-97.2	-98.4	-99.6	-100.8	-102	-103.2	-104.4
5000000000	P	-94.8	-96	-97.2	-98.4	-99.6	-100.8	-102	-103.2	-104.4	-105.6
6300000000	P	-96	-97.2	-98.4	-99.6	-100.8	-102	-103.2	-104.4	-105.6	-106.8
8000000000	P	-97.2	-98.4	-99.6	-100.8	-102	-103.2	-104.4	-105.6	-106.8	-108
10000000000	P	-98.4	-99.6	-100.8	-102	-103.2	-104.4	-105.6	-106.8	-108	-109.2
12500000000	P	-99.6	-100.8	-102	-103.2	-104.4	-105.6	-106.8	-108	-109.2	-110.4
16000000000	P	-100.8	-102	-103.2	-104.4	-105.6	-106.8	-108	-109.2	-110.4	-111.6
20000000000	P	-102	-103.2	-104.4	-105.6	-106.8	-108	-109.2	-110.4	-111.6	-112.8
25000000000	P	-103.2	-104.4	-105.6	-106.8	-108	-109.2	-110.4	-111.6	-112.8	-114
31500000000	P	-104.4	-105.6	-106.8	-108	-109.2	-110.4	-111.6	-112.8	-114	-115.2
40000000000	P	-105.6	-106.8	-108	-109.2	-110.4	-111.6	-112.8	-114	-115.2	-116.4
50000000000	P	-106.8	-108	-109.2	-110.4	-111.6	-112.8	-114	-115.2	-116.4	-117.6
63000000000	P	-108	-109.2	-110.4	-111.6	-112.8	-114	-115.2	-116.4	-117.6	-118.8
80000000000	P	-109.2	-110.4	-111.6	-112.8	-114	-115.2	-116.4	-117.6	-118.8	-120
100000000000	P	-110.4	-111.6	-112.8	-114	-115.2	-116.4	-117.6	-118.8	-120	-121.2
125000000000	P	-111.6	-112.8	-114	-115.2	-116.4	-117.6	-118.8	-120	-121.2	-122.4
160000000000	P	-112.8	-114	-115.2	-116.4	-117.6	-118.8	-120	-121.2	-122.4	-123.6
200000000000	P	-114	-115.2	-116.4	-117.6	-118.8	-120	-121.2	-122.4	-123.6	-124.8

Attachment 3

HRSG PSV Silencer Noise Test

Name	HP SH PSV									
Tag	1112LBA10AA01									
Description	Unit	Design	Case 1	Case 2	Case 3	Case 4	Case 5			
Throat diameter	d	mm	26.6	26.6	26.6	26.6	26.6			
Orifice area	A1	cm ²	5.557	5.557	5.557	5.557	5.557			
Outlet diameter	d0	mm	80	80	80	80	80			
Outlet area	A2	cm ²	50.265	50.265	50.265	50.265	50.265			
Mol. Wt.	M		18	18	18	18	18			
Specific heat ratio	k		1.28	1.28	1.28	1.28	1.28			
Relieving temp.	T	deg C	472	472	472	472	472			
Relieving temp.	T	K	745	745	745	745	745			
Set pressure	Ps	barg	67.55	65	61	57	54			
Set pressure	Ps	MPaG	6.755	6.5	6.1	5.7	5.4			
Allowable over press.	ΔP	%	3	3	3	3	3			
Atmos. Press.	Pa	MPaA	0.101	0.101	0.101	0.101	0.101			
Gas constant	R	J/mol K	8.314	8.314	8.314	8.314	8.314			
Relieving pressure from (2)	P0	MPaA	7.058550	6.796000	6.384000	5.972000	5.560000			
Ratio volume at throat from (3)	V1	m ³ /kg	0.048750	0.050634	0.053902	0.057620	0.062764			
Pressure at outlet from (4)	P2	MPaA	0.4287	0.4128	0.3877	0.3627	0.3439			
Ratio volume at outlet from (5)	V2	m ³ /kg	0.4348	0.4517	0.4809	0.5141	0.5421			
Speed at throat from (6)	U	m/s	663.7	663.7	663.7	663.7	663.7			
Center frequency from (7)	f	Hz	1659	1659	1659	1659	1659			
Power level at PSV from (1)	PWL1	dB	144.9	144.7	144.4	144.1	143.6			
Power level from table (A)	PWL	dBA	143.4	143.2	142.9	142.6	142.1			
Sound pressure level from (8)	SPL	dBA	135.4	135.2	134.9	134.6	134.1			
ΔSPL (Design - Case)		dBA	0	-0.20	-0.50	-0.80	-1.00			
At Silencer										
Design = 95dBA	PWL	dBA	95	84.80	84.50	84.20	84.00			
Other case = 95dBA - ΔSPL							83.70			

Table A										
67.55 barg										
Octave band	Hz	63	125	250	500	1000	2000	4000	8000	OA
PWL1	dB	134.3406	134.3406	135.3406	136.1406	136.7406	137.3406	136.1406	134.3406	144.9
A weighting	dB	-26	-16	-9	-3	0	1	1	-1	-1
Transmission loss	dB	0	0	0	0	0	0	0	0	0
PWL	dBA	108.3406	118.8406	126.8406	133.1406	136.7406	138.3406	137.1406	133.3406	143.4

65 barg										
Octave band	Hz	63	125	250	500	1000	2000	4000	8000	OA
PWL1	dB	134.1406	134.1406	135.1406	135.9406	136.5406	137.1406	135.9406	134.1406	144.7
A weighting	dB	-26	-16	-9	-3	0	1	1	-1	-1
Transmission loss	dB	0	0	0	0	0	0	0	0	0
PWL	dBA	108.1406	118.1406	126.1406	132.9406	136.5406	138.1406	136.9406	133.1406	143.2

61 barg										
Octave band	Hz	63	125	250	500	1000	2000	4000	8000	OA
PWL1	dB	133.8406	134.4406	135.0406	136.2406	136.8406	137.4406	136.4406	134.4406	144.4
A weighting	dB	-26	-16	-9	-3	0	1	1	-1	-1
Transmission loss	dB	0	0	0	0	0	0	0	0	0
PWL	dBA	107.8406	118.8406	126.0406	133.6406	136.8406	138.4406	137.4406	133.4406	143.9

57 barg										
Octave band	Hz	63	125	250	500	1000	2000	4000	8000	OA
PWL1	dB	133.5406	134.1406	134.7406	135.3406	135.9406	136.5406	135.3406	134.1406	144.1
A weighting	dB	-26	-16	-9	-3	0	1	1	-1	-1
Transmission loss	dB	0	0	0	0	0	0	0	0	0
PWL	dBA	107.5406	118.1406	125.7406	132.3406	135.9406	137.5406	136.3406	133.1406	142.6

54 barg										
Octave band	Hz	63	125	250	500	1000	2000	4000	8000	OA
PWL1	dB	133.3406	133.9406	134.5406	135.1406	135.7406	136.3406	135.1406	133.9406	143.9
A weighting	dB	-26	-16	-9	-3	0	1	1	-1	-1
Transmission loss	dB	0	0	0	0	0	0	0	0	0
PWL	dBA	107.3406	117.9406	125.5406	132.1406	135.7406	137.3406	136.1406	132.9406	142.4

50 barg										
Octave band	Hz	63	125	250	500	1000	2000	4000	8000	OA
PWL1	dB	133.0406	133.6406	134.2406	134.8406	135.4406	136.0406	134.8406	133.6406	143.6
A weighting	dB	-26	-16	-9	-3	0	1	1	-1	-1
Transmission loss	dB	0	0	0	0	0	0	0	0	0
PWL	dBA	107.0406	117.6406	125.2406	131.8406	135.4406	137.0406	135.8406	132.6406	142.1

Attachment 3

HRSG PSV Silencer Noise Test

Name	LP drum PSV									
Tag	1112HAD00AA01									
Description	Unit	Design	Case 1	Case 2	Case 3	Case 4	Case 5			
Throat diameter	d	mm	75	75	75	75	75			
Orifice area	A1	cm ²	45.007	45.007	45.007	45.007	45.007			
Outlet diameter	d0	mm	150	150	150	150	150			
Outlet area	A2	cm ²	176.714	176.714	176.714	176.714	176.714			
Mol. Wt.	M		18	18	18	18	18			
Specific heat ratio	k		1.29	1.29	1.29	1.29	1.29			
Relieving temp.	T	deg C	177.8	174.0	171.0	167.8	164.4			
Relieving temp.	T	K	450.8	446.952	443.959	440.8262	437.449			
Set pressure	Ps	barg	8.27	7.7	7.1	6.5	5.9			
Set pressure	Ps	MPaG	0.827	0.77	0.71	0.65	0.59			
Allowable over press.	ΔP	%	3	3	3	3	3			
Atmos. Press.	Pa	MPaA	0.101	0.101	0.101	0.101	0.101			
Gas constant	R	J/mol K	8.314	8.314	8.314	8.314	8.314			
Relieving pressure from (2)	P0	MPaA	0.952810	0.894100	0.832300	0.770500	0.708700			
Ratio volume at throat from (3)	V1	m ³ /kg	0.218532	0.230911	0.246398	0.264261	0.285103			
Pressure at outlet from (4)	P2	MPaA	0.1229	0.1247	0.1181	0.1074	0.0983			
Ratio volume at outlet from (5)	V2	m ³ /kg	1.0064	1.0634	1.1347	1.2169	1.3129			
Speed at throat from (6)	U	m/s	519.3	516.1	514.3	512.5	510.5			
Center frequency from (7)	f	Hz	691	688	686	683	681			
Power level at PSV from (1)	PWL1	dB	141.7	141.3	140.9	140.5	140.0			
Power level from table (A)	PWL	dBA	139.0	138.6	138.2	137.8	137.3			
Sound pressure level from (8)	SPL	dBA	131.1	130.7	130.3	129.9	129.4			
ΔSPL (Design - Case)		dBA	0	-0.40	-0.90	-1.20	-1.70			
At Silencer										
Design = 95dBA	PWL	dBA	95	84.00	84.10	83.80	83.30			
Other case = 95dBA - ΔSPL							82.80			

Table A										
8.27 barg										
Octave band	Hz	63	125	250	500	1000	2000	4000	8000	OA
PWL1	dB	132.5826	133.1826	133.7826	134.3826	133.1826	131.9826	130.7826	129.5826	141.7
A weighting	dB	-26	-16	-9	-3	0	1	1	-1	-1
Transmission loss	dB	0	0	0	0	0	0	0	0	0
PWL	dBA	106.5826	117.1826	124.7826	131.3826	133.1826	132.9826	131.7826	128.5826	139.0

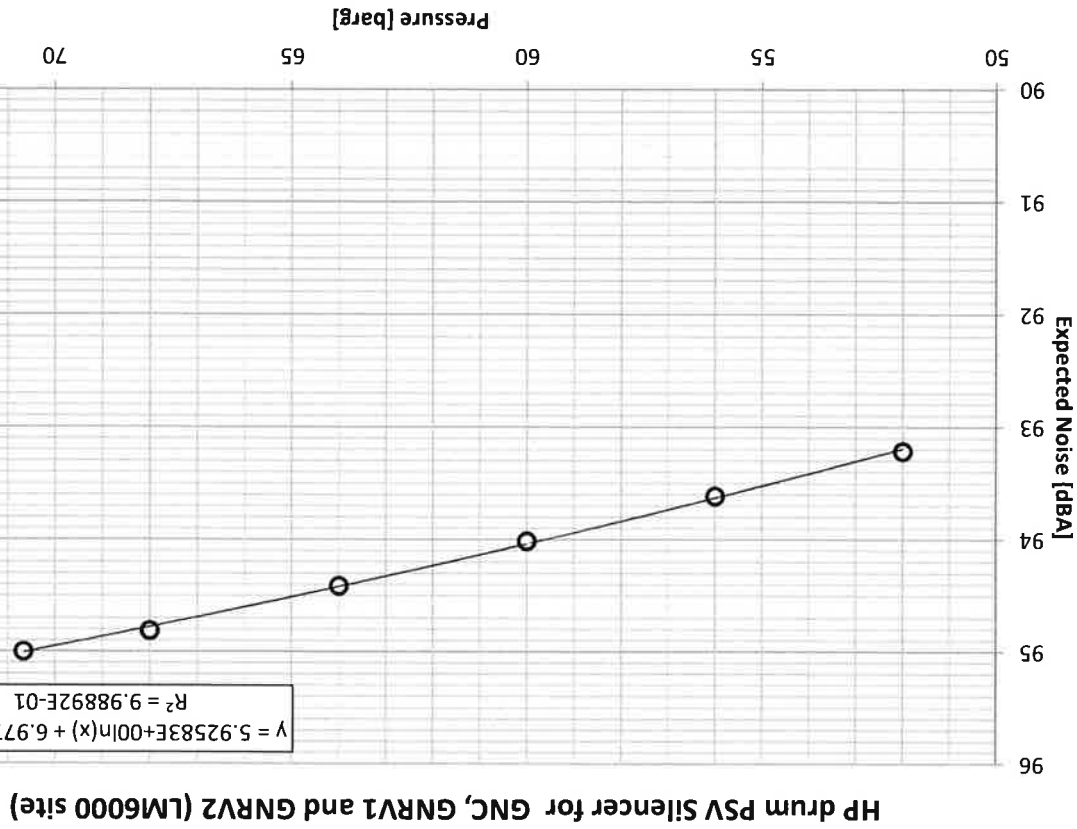
7.7 barg										
Octave band	Hz	63	125	250	500	1000	2000	4000	8000	OA
PWL1	dB	132.1826	132.7826	133.3826	133.9826	132.7826	131.5826	130.3826	129.1826	141.3
A weighting	dB	-26	-16	-9	-3	0	1	1	-1	-1
Transmission loss	dB	0	0	0	0	0	0	0	0	0
PWL	dBA	106.1826	116.7826	124.3826	130.9826	132.7826	132.5826	131.3826	128.1826	138.6

7.1 barg										
Octave band	Hz	63	125	250	500	1000	2000	4000	8000	OA
PWL1	dB	131.7826	132.3826	132.9826	133.5826	132.3826	131.1826	129.9826	128.7826	140.9
A weighting	dB	-26	-16	-9	-3	0	1	1	-1	-1
Transmission loss	dB	0	0	0	0	0	0	0	0	0
PWL	dBA	105.7826	116.3826	123.9826	130.5826	132.3826	132.1826	130.9826	127.7826	138.2

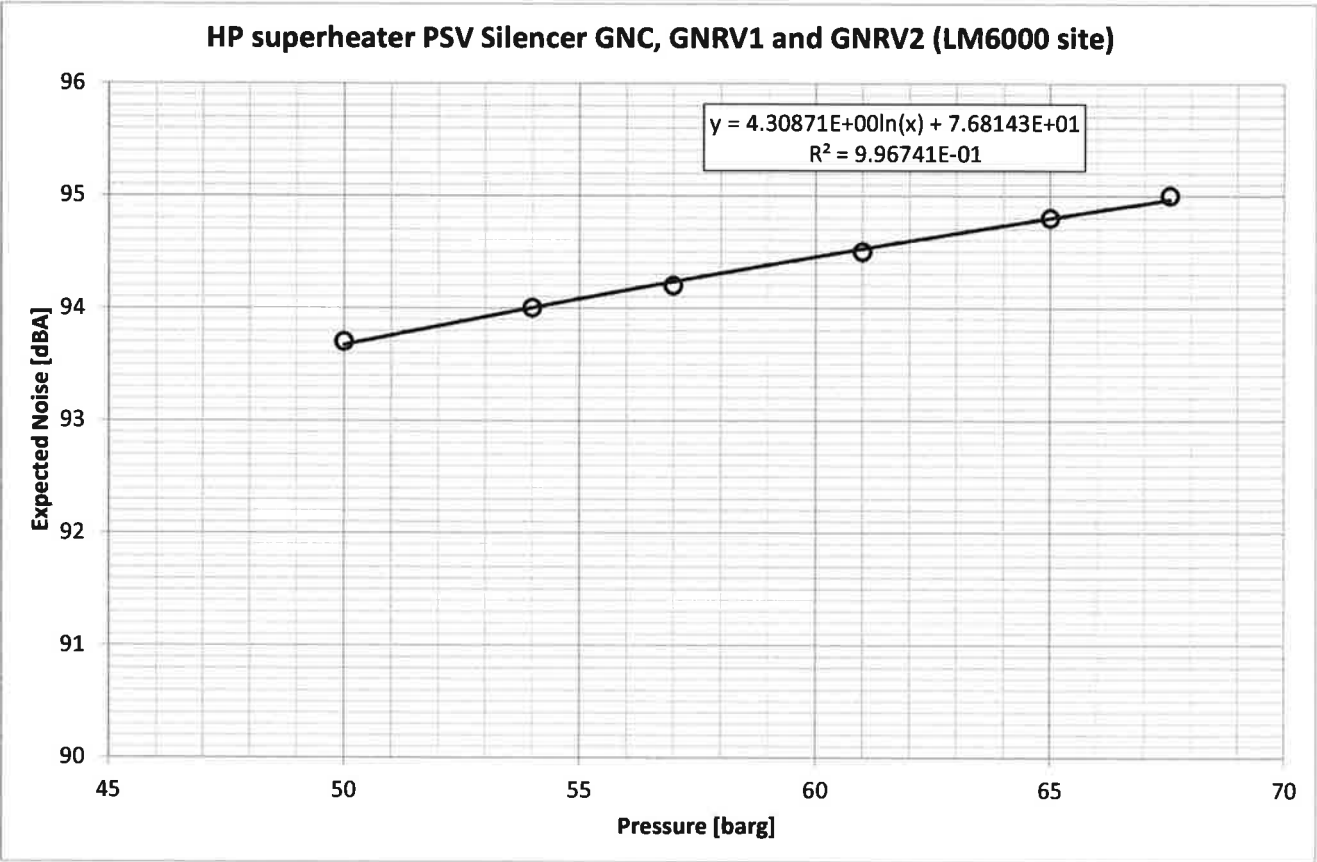
Attachment 3

Name LP S/H PSV

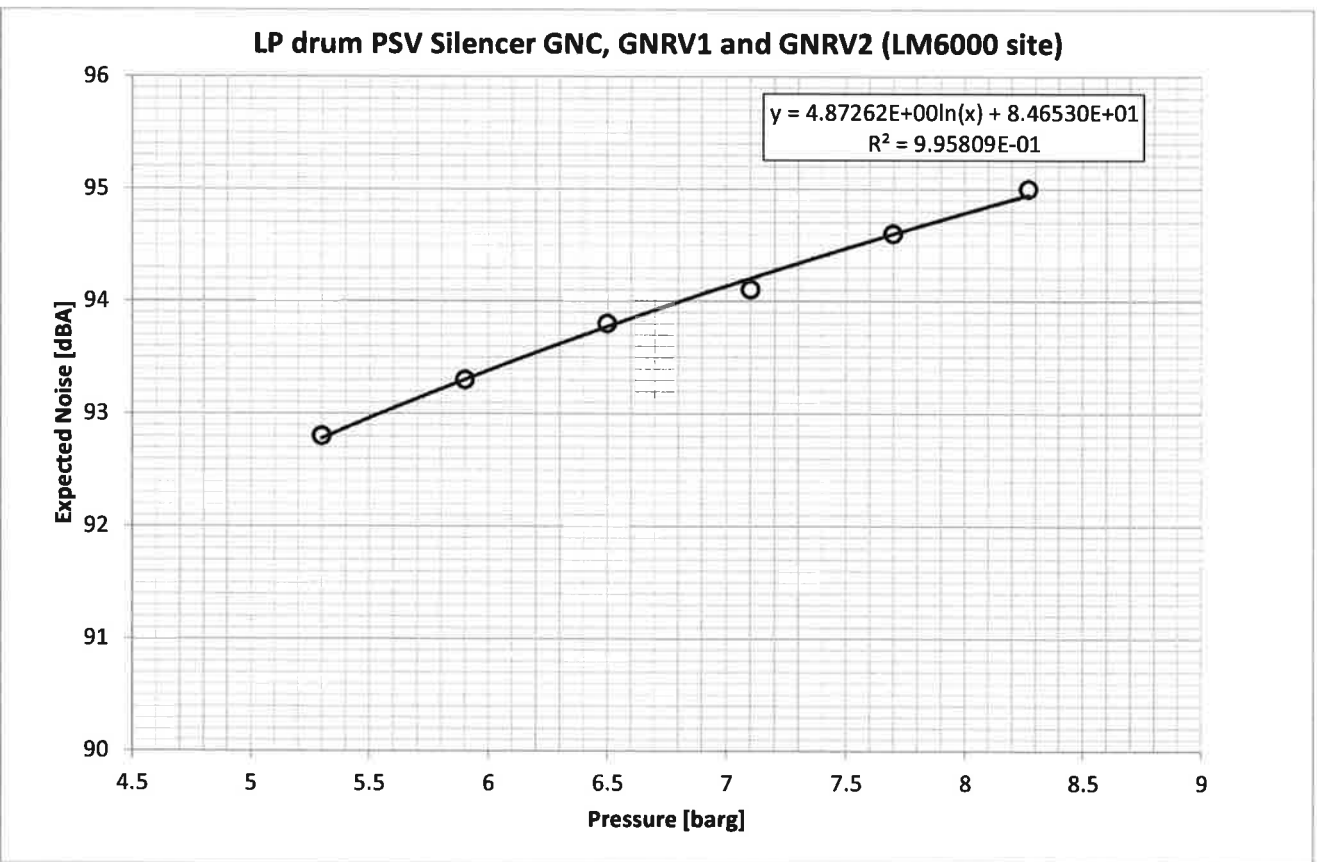
Name LP S/H PSV



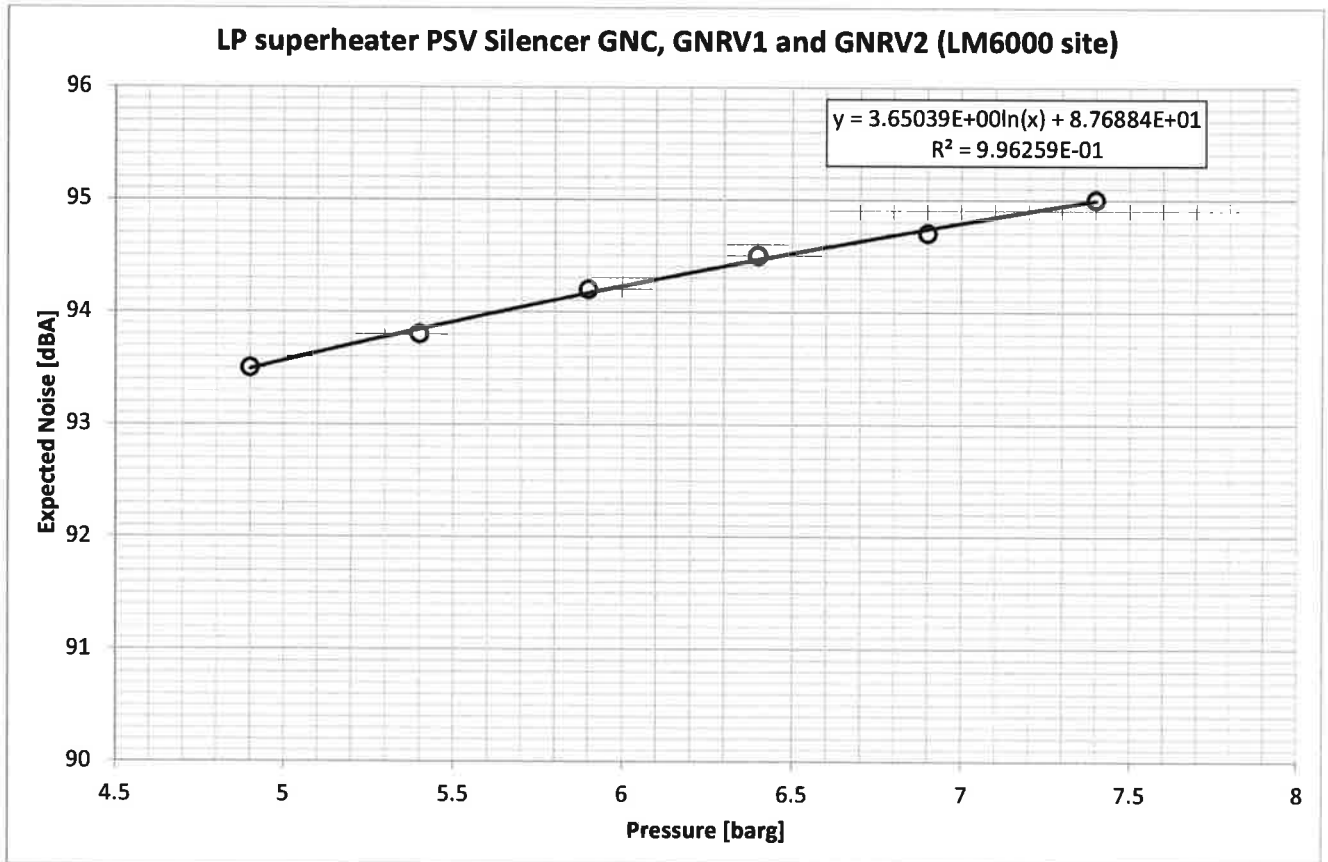
Attachment 3



Attachment 3



Attachment 3



ภาคผนวก ข-12

ผังแสดงชั้นระดับเสียง (Noise Contour)

ภาคผนวก ข-13

ผลการติดตามตรวจสอบคุณภาพน้ำทิ้ง แบบต่อเนื่อง
(Online Monitoring) บริเวณจุดระบายน้ำทิ้งของโครงการ

January-24

*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
01-น.ค.-24 00:00:00	26.22	6.99	855.14	
01-น.ค.-24 01:00:00	25.26	6.99	855.26	
01-น.ค.-24 02:00:00	24.42	6.99	855.38	
01-น.ค.-24 03:00:00	23.82	6.99	855.76	
01-น.ค.-24 04:00:00	23.23	6.99	857.54	
01-น.ค.-24 05:00:00	22.66	6.99	859.32	
01-น.ค.-24 06:00:00	22.38	7.00	861.11	
01-น.ค.-24 07:00:00	22.10	7.00	862.89	
01-น.ค.-24 08:00:00	22.87	6.98	864.67	
01-น.ค.-24 09:00:00	24.73	6.97	866.46	
01-น.ค.-24 10:00:00	31.82	6.96	868.24	
01-น.ค.-24 11:00:00	39.80	6.95	869.80	
01-น.ค.-24 12:00:00		6.93	870.79	
01-น.ค.-24 13:00:00		6.92	871.78	
01-น.ค.-24 14:00:00		6.91	872.76	
01-น.ค.-24 15:00:00		6.89	873.75	
01-น.ค.-24 16:00:00	39.05	6.90	874.74	
01-น.ค.-24 17:00:00	38.62	6.90	875.73	
01-น.ค.-24 18:00:00	35.43	6.91	876.72	
01-น.ค.-24 19:00:00	33.03	6.91	877.11	
01-น.ค.-24 20:00:00	31.27	6.92	876.63	
01-น.ค.-24 21:00:00	29.98	6.92	876.16	
01-น.ค.-24 22:00:00	28.68	6.93	875.69	
01-น.ค.-24 23:00:00	27.52	6.93	875.22	
02-น.ค.-24 00:00:00	26.68	6.94	874.74	
02-น.ค.-24 01:00:00	25.90	6.94	874.27	
02-น.ค.-24 02:00:00	25.17	6.94	873.80	
02-น.ค.-24 03:00:00	24.44	6.94	873.37	
02-น.ค.-24 04:00:00	23.72	6.95	872.99	
02-น.ค.-24 05:00:00	22.99	6.95	872.61	
02-น.ค.-24 06:00:00	22.41	6.95	872.22	
02-น.ค.-24 07:00:00	22.01	6.95	871.84	
02-น.ค.-24 08:00:00	22.57	6.94	871.46	
02-น.ค.-24 09:00:00	24.27	6.93	871.07	
02-น.ค.-24 10:00:00	30.92	6.92	876.57	
02-น.ค.-24 11:00:00	39.32	6.91	882.76	
02-น.ค.-24 12:00:00		6.89	883.04	
02-น.ค.-24 13:00:00		6.88	883.32	
02-น.ค.-24 14:00:00		6.87	883.61	
02-น.ค.-24 15:00:00		6.87	883.89	
02-น.ค.-24 16:00:00		6.87	884.17	
02-น.ค.-24 17:00:00	38.87	6.88	884.46	
02-น.ค.-24 18:00:00	35.65	6.89	884.74	
02-น.ค.-24 19:00:00	33.43	6.89	884.88	
02-น.ค.-24 20:00:00	31.24	6.90	884.38	
02-น.ค.-24 21:00:00	29.64	6.91	883.88	
02-น.ค.-24 22:00:00	28.08	6.91	883.38	
02-น.ค.-24 23:00:00	26.72	6.92	882.88	
03-น.ค.-24 00:00:00	25.50	6.92	882.38	
03-น.ค.-24 01:00:00	24.40	6.93	881.88	
03-น.ค.-24 02:00:00	23.49	6.93	881.38	
03-น.ค.-24 03:00:00	22.59	6.93	881.48	
03-น.ค.-24 04:00:00	21.79	6.94	882.86	
03-น.ค.-24 05:00:00	21.30	6.94	884.25	

January-24

*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
03-น.ค.-24 06:00:00	20.80	6.95	885.63	
03-น.ค.-24 07:00:00	20.31	6.94	887.01	
03-น.ค.-24 08:00:00	20.94	6.93	888.40	
03-น.ค.-24 09:00:00	22.82	6.92	889.78	
03-น.ค.-24 10:00:00	29.84	6.90	891.16	
03-น.ค.-24 11:00:00	38.79	6.89	892.76	
03-น.ค.-24 12:00:00		6.88	894.37	
03-น.ค.-24 14:00:00		6.85	897.58	
03-น.ค.-24 15:00:00		6.85	899.19	
03-น.ค.-24 16:00:00		6.86	900.80	
03-น.ค.-24 17:00:00	39.31	6.87	902.41	
03-น.ค.-24 18:00:00	36.03	6.87	903.86	
03-น.ค.-24 19:00:00	33.26	6.88	903.16	
03-น.ค.-24 20:00:00	31.08	6.89	902.46	
03-น.ค.-24 21:00:00	29.13	6.89	901.76	
03-น.ค.-24 22:00:00	27.54	6.90	901.06	
03-น.ค.-24 23:00:00	28.34	7.02	757.81	2.15
04-น.ค.-24 00:00:00	28.87	7.72	739.46	6.90
04-น.ค.-24 01:00:00	28.81	7.58	732.90	7.60
04-น.ค.-24 02:00:00	28.76	7.50	731.64	7.47
04-น.ค.-24 03:00:00	28.71	7.46	730.38	7.29
04-น.ค.-24 04:00:00	28.64	7.42	729.11	7.13
04-น.ค.-24 05:00:00	28.56	7.40	727.85	6.98
04-น.ค.-24 06:00:00	28.48	7.93	726.59	6.83
04-น.ค.-24 07:00:00	28.40	7.75	725.33	6.78
04-น.ค.-24 08:00:00	28.32	7.68	724.07	6.71
04-น.ค.-24 09:00:00	28.24	7.58	725.34	6.65
04-น.ค.-24 10:00:00	28.46	7.55	726.70	6.71
04-น.ค.-24 11:00:00	32.46	7.50	728.05	3.53
04-น.ค.-24 12:00:00	36.32	7.41	729.41	2.64
04-น.ค.-24 13:00:00	39.00	7.32	730.77	
04-น.ค.-24 14:00:00		7.27	732.12	
04-น.ค.-24 15:00:00		7.24	733.48	
04-น.ค.-24 16:00:00		7.20	734.80	
04-น.ค.-24 17:00:00	39.12	7.17	735.87	
04-น.ค.-24 18:00:00	35.87	7.14	736.94	
04-น.ค.-24 19:00:00	33.45	7.12	738.01	
04-น.ค.-24 20:00:00	31.60	7.12	739.07	
04-น.ค.-24 21:00:00	30.08	7.12	740.14	
04-น.ค.-24 22:00:00	28.57	7.13	741.21	
04-น.ค.-24 23:00:00	27.14	7.13	742.28	
05-น.ค.-24 00:00:00	26.04	7.13	741.41	
05-น.ค.-24 01:00:00	28.95	8.34	723.08	7.10
05-น.ค.-24 02:00:00	29.19	8.35	733.56	7.96
05-น.ค.-24 03:00:00	29.10	7.44	730.20	7.77
05-น.ค.-24 04:00:00	29.02	7.24	745.76	7.50
05-น.ค.-24 05:00:00	28.94	7.28	746.30	7.31
05-น.ค.-24 06:00:00	28.86	7.32	746.84	7.16
05-น.ค.-24 07:00:00	28.78	7.36	747.39	7.01
05-น.ค.-24 08:00:00	28.70	7.40	747.93	6.92
05-น.ค.-24 09:00:00	28.63	7.44	748.47	6.66
05-น.ค.-24 10:00:00	30.70	7.38	749.01	4.80
05-น.ค.-24 11:00:00	34.54	7.25	736.73	3.91
05-น.ค.-24 12:00:00	38.02	7.23	756.93	2.91

January-24

*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
05-ม.ค.-24 13:00:00		7.19	757.01	2.05
05-ม.ค.-24 14:00:00		7.15	757.10	
05-ม.ค.-24 15:00:00		7.11	757.18	
05-ม.ค.-24 16:00:00		7.09	757.27	
05-ม.ค.-24 17:00:00	38.30	7.06	757.35	
05-ม.ค.-24 18:00:00	34.27	7.03	757.43	
05-ม.ค.-24 19:00:00	31.55	7.01	757.52	
05-ม.ค.-24 20:00:00	29.82	7.03	757.24	
05-ม.ค.-24 21:00:00	28.30	7.06	756.49	
05-ม.ค.-24 22:00:00	29.40	8.15	759.19	7.68
05-ม.ค.-24 23:00:00	29.35	7.49	762.85	7.47
06-ม.ค.-24 00:00:00	29.16	7.40	766.51	7.24
06-ม.ค.-24 01:00:00	28.96	7.44	770.17	7.05
06-ม.ค.-24 02:00:00	28.77	7.47	773.84	6.97
06-ม.ค.-24 03:00:00	28.57	7.50	777.50	6.83
06-ม.ค.-24 04:00:00	28.38	7.53	781.16	6.76
06-ม.ค.-24 05:00:00	28.18	7.56	784.82	6.72
06-ม.ค.-24 06:00:00	27.52	7.49	786.19	3.99
06-ม.ค.-24 07:00:00	26.11	7.42	787.32	4.16
06-ม.ค.-24 08:00:00	25.28	7.36	788.46	3.75
06-ม.ค.-24 09:00:00	25.30	7.30	789.60	3.35
06-ม.ค.-24 10:00:00	28.17	7.23	790.73	2.60
06-ม.ค.-24 11:00:00	35.21	7.18	791.87	
06-ม.ค.-24 12:00:00		7.12	793.01	
06-ม.ค.-24 13:00:00		7.08	794.14	
06-ม.ค.-24 14:00:00		7.05	793.68	
06-ม.ค.-24 15:00:00		7.03	793.10	
06-ม.ค.-24 16:00:00		7.02	792.51	
06-ม.ค.-24 17:00:00	38.73	6.99	791.93	
06-ม.ค.-24 18:00:00	34.86	6.98	791.35	
06-ม.ค.-24 19:00:00	31.99	6.99	790.76	
06-ม.ค.-24 20:00:00	30.24	7.01	790.18	
06-ม.ค.-24 21:00:00	28.55	7.10	778.96	4.16
06-ม.ค.-24 22:00:00	29.14	8.31	783.78	8.67
06-ม.ค.-24 23:00:00	29.02	7.64	788.61	8.19
07-ม.ค.-24 00:00:00	28.90	7.54	793.43	7.81
07-ม.ค.-24 01:00:00	28.78	7.55	798.26	7.54
07-ม.ค.-24 02:00:00	28.67	7.56	803.09	7.22
07-ม.ค.-24 03:00:00	28.55	7.57	807.91	7.15
07-ม.ค.-24 04:00:00	28.43	7.58	810.72	6.95
07-ม.ค.-24 05:00:00	28.08	7.59	813.29	5.01
07-ม.ค.-24 06:00:00	26.70	7.52	815.11	5.22
07-ม.ค.-24 07:00:00	25.33	7.44	816.84	4.64
07-ม.ค.-24 08:00:00	24.83	7.38	818.58	4.32
07-ม.ค.-24 09:00:00	25.17	7.32	820.32	3.57
07-ม.ค.-24 10:00:00	27.64	7.26	822.05	3.14
07-ม.ค.-24 11:00:00	33.27	7.17	823.79	2.05
07-ม.ค.-24 12:00:00	39.18	7.11	825.53	
07-ม.ค.-24 13:00:00		7.08	827.19	
07-ม.ค.-24 14:00:00		7.05	826.88	
07-ม.ค.-24 15:00:00		7.04	826.56	
07-ม.ค.-24 16:00:00		7.04	826.24	
07-ม.ค.-24 17:00:00	38.82	7.01	825.93	
07-ม.ค.-24 18:00:00	34.99	6.98	825.61	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
07-ม.ค.-24 19:00:00	32.19	6.96	825.29	
07-ม.ค.-24 20:00:00	28.98	7.31	838.66	5.64
07-ม.ค.-24 21:00:00	29.42	7.92	875.67	7.34
07-ม.ค.-24 22:00:00	29.27	7.92	879.72	7.45
07-ม.ค.-24 23:00:00	29.12	7.88	883.76	7.07
08-ม.ค.-24 00:00:00	28.97	7.85	887.80	6.90
08-ม.ค.-24 01:00:00	28.82	7.95	891.73	6.83
08-ม.ค.-24 02:00:00	28.67	8.17	893.04	6.81
08-ม.ค.-24 03:00:00	28.51	8.11	894.35	6.86
08-ม.ค.-24 04:00:00	28.36	8.05	896.25	6.82
08-ม.ค.-24 05:00:00	27.64	7.97	898.17	5.40
08-ม.ค.-24 06:00:00	26.16	7.74	899.53	5.29
08-ม.ค.-24 07:00:00	24.80745125	7.638675213	900.9016113	4.794418812
08-ม.ค.-24 08:00:00	24.30240059	7.536121845	902.269104	4.618962288
08-ม.ค.-24 09:00:00	24.51968193	7.433568954	903.6365356	4.0462327
08-ม.ค.-24 10:00:00	27.26912117	7.340379238	905.0040283	3.373236656
08-ม.ค.-24 11:00:00	33.45067978	7.299672604	905.715332	2.271082878
08-ม.ค.-24 12:00:00	39.51996231	7.258966446	906.1417236	
08-ม.ค.-24 13:00:00		7.218260288	906.5681152	
08-ม.ค.-24 14:00:00		7.177553654	906.9944458	
08-ม.ค.-24 15:00:00		7.138902664	907.4208374	
08-ม.ค.-24 16:00:00		7.101371288	907.847229	
08-ม.ค.-24 17:00:00	39.82493591	7.083196163	908.2736206	
08-ม.ค.-24 18:00:00	35.85790253	7.066780567	908.7000122	
08-ม.ค.-24 19:00:00	32.72955322	7.050899982	907.4864502	
08-ม.ค.-24 20:00:00	30.79456139	7.043044567	905.918335	
08-ม.ค.-24 21:00:00	29.34623146	7.035189629	904.3502197	
08-ม.ค.-24 22:00:00	29.33838272	8.31223774	861.0193481	8.444709778
08-ม.ค.-24 23:00:00	29.10616302	7.514722824	887.1891479	7.608413219
09-ม.ค.-24 00:00:00	28.87394333	7.458923817	892.6734009	7.013729572
09-ม.ค.-24 01:00:00	28.64172363	7.486830711	896.1047974	6.750836849
09-ม.ค.-24 02:00:00	28.40950394	7.514738083	899.5362549	6.518733501
09-ม.ค.-24 03:00:00	27.58424187	7.353157997	901.0080566	4.218296528
09-ม.ค.-24 04:00:00	26.46980667	7.318179131	901.2688599	3.836065769
09-ม.ค.-24 05:00:00	25.39011383	7.31490469	901.5296631	3.505151033
09-ม.ค.-24 06:00:00	24.62806511	7.250306129	901.7904663	3.221845388
09-ม.ค.-24 07:00:00	23.86601639	7.275341511	902.0512695	3.25090313
09-ม.ค.-24 08:00:00	23.66758156	7.233113766	902.3121338	3.305851698
09-ม.ค.-24 09:00:00	24.29170227	7.190544128	902.572937	2.793198347
09-ม.ค.-24 10:00:00	28.4069252	7.269756317	912.6787109	5.011001587
09-ม.ค.-24 11:00:00	32.94839096	7.072579861	907.1202393	2.047447443
09-ม.ค.-24 12:00:00	37.43395615	7.011507511	910.5462036	
09-ม.ค.-24 13:00:00		6.973556995	913.972168	
09-ม.ค.-24 14:00:00		6.954591274	917.3981934	
09-ม.ค.-24 15:00:00		6.961807728	920.8241577	
09-ม.ค.-24 16:00:00		6.965282917	924.2501221	
09-ม.ค.-24 17:00:00		6.968757629	925.4329224	
09-ม.ค.-24 18:00:00	38.03942108	6.972232342	923.4390259	
09-ม.ค.-24 19:00:00	34.98633194	6.984332085	921.4450684	
09-ม.ค.-24 20:00:00	32.35362244	6.998037338	919.4511719	
09-ม.ค.-24 21:00:00	30.18889236	7.044342518	917.4572754	
09-ม.ค.-24 22:00:00	29.64509392	7.988440514	1101.660645	7.526854038
09-ม.ค.-24 23:00:00	29.57333374	7.862641335	1119.878296	7.543636799
10-ม.ค.-24 00:00:00	29.50157356	7.623718262	1125.983765	7.257497787

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
10-ม.ค.-24 01:00:00	29.27674294	7.610486507	1132.089111	7.092362404
10-ม.ค.-24 02:00:00	28.70931625	7.583571911	1131.514648	5.553027153
10-ม.ค.-24 03:00:00	27.52624321	7.534645557	1124.049194	5.014349937
10-ม.ค.-24 04:00:00	26.36122894	7.493605137	1124.285889	4.496175289
10-ม.ค.-24 05:00:00	25.56058311	7.469657421	1124.522583	4.481899738
10-ม.ค.-24 06:00:00	24.75993919	7.420751095	1124.759277	4.422512531
10-ม.ค.-24 07:00:00	23.98093033	7.420946598	1124.995972	3.937129498
10-ม.ค.-24 08:00:00	23.82936287	7.328301907	1125.232544	3.763403177
10-ม.ค.-24 09:00:00	24.85582352	7.299327374	1125.469238	3.163853407
10-ม.ค.-24 10:00:00	29.3819828	7.251957417	1126.769897	2.587643862
10-ม.ค.-24 11:00:00	38.32188034	7.187283039	1131.359009	2.054325342
10-ม.ค.-24 12:00:00		7.108858585	1135.948242	
10-ม.ค.-24 13:00:00		7.052361012	1140.003052	
10-ม.ค.-24 14:00:00		7.013609409	1140.455078	
10-ม.ค.-24 15:00:00		6.974858284	1140.907104	
10-ม.ค.-24 16:00:00		6.968280315	1141.359131	
10-ม.ค.-24 17:00:00		6.971042633	1141.811157	
10-ม.ค.-24 18:00:00	37.04346085	6.973804951	1142.263184	
10-ม.ค.-24 19:00:00	34.02288818	6.976567745	1142.71521	
10-ม.ค.-24 20:00:00	31.85009193	6.982616901	1143.176758	
10-ม.ค.-24 21:00:00	30.27197838	6.989620686	1143.680176	
10-ม.ค.-24 22:00:00	29.64570808	7.719511986	1007.183594	6.947098732
10-ม.ค.-24 23:00:00	29.80471992		1010.10791	7.874950409
11-ม.ค.-24 00:00:00	29.62014008	7.304806232	1012.83252	6.976039886
11-ม.ค.-24 01:00:00	29.43555832	7.492203712	1105.557068	6.713152885
11-ม.ค.-24 02:00:00	29.25097847	7.525271893	1018.281677	6.451800823
11-ม.ค.-24 03:00:00	29.06639862	7.517021179	1021.006226	6.412494183
11-ม.ค.-24 04:00:00	28.88181686	7.508769989	1022.169006	6.282581329
11-ม.ค.-24 05:00:00	28.00715065	7.173113346	1022.7995	
11-ม.ค.-24 06:00:00	27.0313797	7.124032497	1023.429932	
11-ม.ค.-24 07:00:00	26.05560875	7.074952126	1024.060425	
11-ม.ค.-24 08:00:00	25.7412529	7.039258003	1024.690918	
11-ม.ค.-24 09:00:00	26.31587029	7.006795883	1025.321289	
11-ม.ค.-24 10:00:00	29.07971001	6.974333286	1025.951782	
11-ม.ค.-24 11:00:00	34.73132706	6.941871166	1027.240356	
11-ม.ค.-24 12:00:00	39.22083664	6.911055088	1028.716919	
11-ม.ค.-24 13:00:00		6.881849766	1030.193481	
11-ม.ค.-24 14:00:00	30.13114929	7.903268337	1075.052368	6.601975918
11-ม.ค.-24 15:00:00	32.94697571	7.512495041	1106.091309	3.163103819
11-ม.ค.-24 16:00:00	34.67597961	7.333176613	1115.688843	2.548647881
11-ม.ค.-24 17:00:00	31.5063591	7.75	1124.754395	3.177933216
11-ม.ค.-24 18:00:00	31.63009644	7.75	1129.488159	3.082823753
11-ม.ค.-24 19:00:00	31.15933418	7.75	1130.490723	2.989156723
11-ม.ค.-24 20:00:00	30.480896	7.75	1130.008057	2.41544342
11-ม.ค.-24 21:00:00	29.80245972	7.268150806	1129.525391	2.75603652
11-ม.ค.-24 22:00:00	29.12402153	7.258472919	1129.042725	2.690957308
11-ม.ค.-24 23:00:00	28.44558525	7.262280941	1128.560181	2.005042076
12-ม.ค.-24 00:00:00	27.53057861	7.25135231	1128.077515	
12-ม.ค.-24 01:00:00	26.53495598	7.247285843	1127.594849	
12-ม.ค.-24 02:00:00	25.69112778	7.261631489	1127.112183	2.063549757
12-ม.ค.-24 03:00:00	25.06226158	7.241725922	1127.486328	
12-ม.ค.-24 04:00:00	24.43339729	7.149777889	1128.025024	
12-ม.ค.-24 05:00:00	23.804533	7.09352684	1128.563843	
12-ม.ค.-24 06:00:00	23.50137329	7.081133842	1129.102539	

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
12-ม.ค.-24 07:00:00	23.28177834	7.068740368		1129.641235
12-ม.ค.-24 08:00:00	23.96837807	7.05634737		1130.179932
12-ม.ค.-24 09:00:00	25.73615265	7.039832115		1130.71875
12-ม.ค.-24 10:00:00	30.49656487	7.466641903		1139.638062
12-ม.ค.-24 11:00:00	34.7248764	7.149790764		1150.672974
12-ม.ค.-24 12:00:00	37.8710556	7.112006187		1154.896118
12-ม.ค.-24 13:00:00		7.075482845		1154.253906
12-ม.ค.-24 14:00:00		7.041553497		1153.611816
12-ม.ค.-24 15:00:00		7.01548624		1152.969604
12-ม.ค.-24 16:00:00		7.0207057		1152.327393
12-ม.ค.-24 17:00:00	39.78429794	7.032949448		1151.685303
12-ม.ค.-24 18:00:00	38.12032318	7.045193195		1151.043091
12-ม.ค.-24 19:00:00	36.35051346	7.057436466		1150.400757
12-ม.ค.-24 20:00:00	34.52441406	7.069680214		1149.754395
12-ม.ค.-24 21:00:00	30.08249092	7.907124043		1152.010376
12-ม.ค.-24 22:00:00	30.18041611	8.139372826		1165.908569
12-ม.ค.-24 23:00:00	30.15615082	7.605427742		1179.806763
13-ม.ค.-24 00:00:00	30.04309654	7.529026508		1181.123169
13-ม.ค.-24 01:00:00	29.93004227	7.538570404		1182.35144
13-ม.ค.-24 02:00:00	29.81698799	7.5481143		1183.579712
13-ม.ค.-24 03:00:00	29.70393372	7.557657719		1184.807983
13-ม.ค.-24 04:00:00	29.59087944	7.567201614		1186.036377
13-ม.ค.-24 05:00:00	29.47782516	7.57674551		1187.264648
13-ม.ค.-24 06:00:00	29.36477089	7.586289406		1188.49292
13-ม.ค.-24 07:00:00	29.12681007	7.595832825		1189.316895
13-ม.ค.-24 08:00:00	27.477441311	7.477441311		1187.038452
13-ม.ค.-24 09:00:00	28.67515564	7.342485905		1187.474731
13-ม.ค.-24 10:00:00	30.14029884	7.222145081		1190.182495
13-ม.ค.-24 11:00:00	33.85720825	7.107945442		1192.890381
13-ม.ค.-24 12:00:00	36.55931473	7.018574715		1195.598145
13-ม.ค.-24 13:00:00	38.7155304	6.997000217		1198.305908
13-ม.ค.-24 14:00:00		6.97542572		1201.013672
13-ม.ค.-24 15:00:00		6.953851223		1200.251587
13-ม.ค.-24 16:00:00		6.932276726		1197.839722
13-ม.ค.-24 17:00:00	38.38898468	6.910702705		1195.427856
13-ม.ค.-24 18:00:00	35.62191391	7.058887005		1193.015991
13-ม.ค.-24 19:00:00	32.83726883	7.093146324		1190.604126
13-ม.ค.-24 20:00:00	30.93273163	7.09050703		1188.192261
13-ม.ค.-24 21:00:00	29.43416214	7.091872692		1185.780518
13-ม.ค.-24 22:00:00	29.70081711	8.229675293		1089.266968
13-ม.ค.-24 23:00:00	29.54383659	7.318346024		1085.096069
14-ม.ค.-24 00:00:00	29.38685417	7.305546761		1089.481689
14-ม.ค.-24 01:00:00	29.22987175	7.328011513		1093.867432
14-ม.ค.-24 02:00:00	29.07289124	7.350475788		1098.253174
14-ม.ค.-24 03:00:00	29.1683712	7.515737057		1156.432129
14-ม.ค.-24 04:00:00	29.34475899	7.736674309	1189.25	6.103593349
14-ม.ค.-24 05:00:00	29.21761703	7.737723351	1191.577148	6.027336121
14-ม.ค.-24 06:00:00	29.09047508	7.738771915	1193.904419	6.003171444
14-ม.ค.-24 07:00:00	28.59492302	7.59303236	1196.104248	3.617895603
14-ม.ค.-24 08:00:00	27.70100021	7.478013515	1198.034546	3.338842869
14-ม.ค.-24 09:00:00	27.69515419	7.367386341	1199.964844	2.611344337
14-ม.ค.-24 10:00:00	29.34526253	7.296282291	1201.895264	2.057163715
14-ม.ค.-24 11:00:00	33.5420723	7.228909492	1203.183594	
14-ม.ค.-24 12:00:00	37.09511185	7.162436962	1204.366089	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
14-ม.ค.-24 13:00:00		7.12414217	1205.548584	
14-ม.ค.-24 14:00:00		7.098083496	1206.730957	
14-ม.ค.-24 15:00:00		7.0832901	1207.913452	
14-ม.ค.-24 16:00:00		7.07750988	1208.021851	
14-ม.ค.-24 17:00:00	38.65517807	7.071729183	1206.296875	
14-ม.ค.-24 18:00:00	35.67013168	7.065948486	1204.572021	
14-ม.ค.-24 19:00:00	33.10956192	7.060168266	1202.847046	
14-ม.ค.-24 20:00:00	31.08294678	7.054387569	1201.122192	
14-ม.ค.-24 21:00:00	29.19424248	7.048606873	1199.397339	
14-ม.ค.-24 22:00:00	27.98831749	7.042826653	1197.672363	
14-ม.ค.-24 23:00:00	29.90591812	7.907883644	1177.784546	7.230818272
15-ม.ค.-24 00:00:00	29.80269432	7.624046326	1196.791382	6.731192589
15-ม.ค.-24 01:00:00	29.52448082	7.55223465	1198.287354	6.435332298
15-ม.ค.-24 02:00:00	29.24626732	7.534893513	1206.406616	6.151834011
15-ม.ค.-24 03:00:00	28.42592239	7.320287228	1203.915161	4.093606949
15-ม.ค.-24 04:00:00	27.1442852	7.195465088	1200.093384	3.856372356
15-ม.ค.-24 05:00:00	26.07012939	7.197921276	135.2437735	3.352437735
15-ม.ค.-24 06:00:00	28.59094429	7.534934044	1119.711792	4.519741058
15-ม.ค.-24 07:00:00	27.33717728	7.155261993	1125.731567	3.349675179
15-ม.ค.-24 08:00:00	26.54425621	7.123667717	1135.609863	2.905381918
15-ม.ค.-24 09:00:00	26.47140884	7.094889164	1145.488159	2.198867559
15-ม.ค.-24 10:00:00	28.19529915	7.066110134	1155.366455	
15-ม.ค.-24 11:00:00	30.05395889	7.414495468	1109.450928	4.009414673
15-ม.ค.-24 12:00:00	35.12191772	7.019646645	1118.730469	
15-ม.ค.-24 13:00:00	38.31600952	6.995990753	1128.01001	
15-ม.ค.-24 14:00:00	39.94378662	6.972334385	1137.289551	
15-ม.ค.-24 15:00:00		6.948678493	1145.189209	
15-ม.ค.-24 16:00:00	39.40927124	6.925022602	1144.915039	
15-ม.ค.-24 17:00:00	38.22407913	6.90768671	1144.640869	
15-ม.ค.-24 18:00:00	36.41036224	6.907246113	1144.366699	
15-ม.ค.-24 19:00:00	34.41772842	6.906805992	1144.092651	
15-ม.ค.-24 20:00:00	29.3770752	7.526254177	1127.876221	5.327653885
15-ม.ค.-24 21:00:00	29.63285255	7.888182163	1120.516968	5.612625122
15-ม.ค.-24 22:00:00	29.5145874	7.610386848	1125.88916	5.392292023
15-ม.ค.-24 23:00:00	29.39632034	7.542298794	1131.261353	5.163413048
16-ม.ค.-24 00:00:00	29.27805328	7.511734962	1131.631348	4.975576401
16-ม.ค.-24 01:00:00	29.15978622	7.505755424	1129.562256	4.805252075
16-ม.ค.-24 02:00:00	29.04151917	7.499775887	1127.493164	4.781486988
16-ม.ค.-24 03:00:00	28.92325401	7.493796349	1125.424072	4.611000061
16-ม.ค.-24 04:00:00	28.80498695	7.487817287	1123.355103	4.618631363
16-ม.ค.-24 05:00:00	28.66757202	7.481837749	1121.286011	4.607269497
16-ม.ค.-24 06:00:00	28.45011902	7.475858212	1119.216919	4.402191639
16-ม.ค.-24 07:00:00	28.23266411	7.469878674	1117.147827	4.498529434
16-ม.ค.-24 08:00:00	27.46659851	7.263091087	1119.13208	2.242965698
16-ม.ค.-24 09:00:00	27.1596756	7.15705204	1122.219116	
16-ม.ค.-24 10:00:00	28.79053497	7.086974621	1125.306152	
16-ม.ค.-24 11:00:00	33.60241699	7.047989368	1128.393066	
16-ม.ค.-24 12:00:00	37.11329651	7.022069454	1131.480103	
16-ม.ค.-24 13:00:00		7.021594048	1134.567139	
16-ม.ค.-24 14:00:00		7.021118641	1135.298828	
16-ม.ค.-24 15:00:00		7.020643234	1133.470337	
16-ม.ค.-24 16:00:00		7.020167828	1131.641846	
16-ม.ค.-24 17:00:00	38.48595428	7.019692421	1129.813354	
16-ม.ค.-24 18:00:00	35.01319122	7.018118382	1127.984863	

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
16-ม.ค.-24 19:00:00	32.1322937	7.014246941	1126.156372	
16-ม.ค.-24 20:00:00	30.26227951	7.0103755	1124.327881	
16-ม.ค.-24 21:00:00	28.59817314	7.006504536	1122.49939	
16-ม.ค.-24 22:00:00	29.36551857	7.702924728	1064.999023	6.027752399
16-ม.ค.-24 23:00:00	29.5435009	7.96293354	1083.159668	6.323714256
17-ม.ค.-24 00:00:00	29.42062759	7.962001801	1101.32019	6.148963451
17-ม.ค.-24 01:00:00	29.29775238	7.946013927	1104.60083	6.035305023
17-ม.ค.-24 02:00:00	29.17487717	7.905947208	1103.422729	5.915144444
17-ม.ค.-24 03:00:00	29.05200195	7.865880013	1102.244751	5.810952663
17-ม.ค.-24 04:00:00	28.92912674	7.825813293	1101.066772	5.753862381
17-ม.ค.-24 05:00:00	28.80625343	7.785746574	1099.888794	5.679260254
17-ม.ค.-24 06:00:00	28.68337822	7.745679855	1098.710693	5.432672024
17-ม.ค.-24 07:00:00	28.29137039	7.640846729	1071.870972	5.015949726
17-ม.ค.-24 08:00:00	27.41332054	7.344821453	1063.204834	3.292572021
17-ม.ค.-24 09:00:00	27.32455826	7.303956985	1067.269775	2.583680868
17-ม.ค.-24 10:00:00	29.10156822	7.263092995	1071.334839	2.378689051
17-ม.ค.-24 11:00:00	33.09612274	7.222228527	1075.39978	
17-ม.ค.-24 12:00:00	37.08465195	7.181364536	1079.464844	
17-ม.ค.-24 13:00:00	39.74704361	7.140500069	1083.529907	
17-ม.ค.-24 14:00:00		7.099636078	1083.901978	
17-ม.ค.-24 15:00:00		7.05877161	1082.03186	
17-ม.ค.-24 16:00:00		7.029491425	1080.161865	
17-ม.ค.-24 17:00:00	38.54124832	7.038274765	1078.291748	
17-ม.ค.-24 18:00:00	36.00731659	7.047058105	1076.421753	
17-ม.ค.-24 19:00:00	33.47338867	7.055841923	1074.551636	
17-ม.ค.-24 20:00:00	30.81207085	7.046684742	1072.681641	
17-ม.ค.-24 21:00:00	28.98082352	7.030239582	1070.811523	
17-ม.ค.-24 22:00:00	29.30063057	7.407477379	1038.210083	6.16812849
17-ม.ค.-24 23:00:00	29.42911339	7.586977005	1036.726074	6.650935173
18-ม.ค.-24 00:00:00	29.40097046	7.608928204	1035.242065	6.555164337
18-ม.ค.-24 01:00:00	29.25440407	7.613688469	1033.758057	6.484136581
18-ม.ค.-24 02:00:00	29.10783958	7.59236002	1032.274048	6.396272659
18-ม.ค.-24 03:00:00	28.96127319	7.571032047	1030.790039	6.324475765
18-ม.ค.-24 04:00:00	28.81470871	7.549703598	1029.30603	6.262315273
18-ม.ค.-24 05:00:00	28.66814232	7.528375626	1027.822144	6.298161507
18-ม.ค.-24 06:00:00	28.52157593	7.507047176	1026.742676	6.355854988
18-ม.ค.-24 07:00:00	28.37501144	7.485718727	1026.354004	6.286734104
18-ม.ค.-24 08:00:00	27.70827484	7.368190289	1025.96521	3.385253668
18-ม.ค.-24 09:00:00	27.16696548	7.208246231	1025.576416	2.884964943
18-ม.ค.-24 10:00:00	29.20555305	7.104152679	1028.329224	2.1316998
18-ม.ค.-24 11:00:00	34.1869812	7.055796146	1033.609497	
18-ม.ค.-24 12:00:00	39.1570549	7.053298473	1038.889771	
18-ม.ค.-24 13:00:00		7.050801277	1040.109985	
18-ม.ค.-24 14:00:00		7.048304081	1038.97937	
18-ม.ค.-24 15:00:00		7.045806408	1037.848877	
18-ม.ค.-24 16:00:00		7.043309212	1036.718384	
18-ม.ค.-24 17:00:00		7.040811539	1035.587891	
18-ม.ค.-24 18:00:00	37.38863373	7.046277523	1034.457397	
18-ม.ค.-24 19:00:00	34.17915344	7.06533432	1033.326904	
18-ม.ค.-24 20:00:00	32.02051544	7.077074051	1032.196411	
18-ม.ค.-24 21:00:00	29.62893105	7.523742676	1108.828247	6.988210678
18-ม.ค.-24 22:00:00	29.79652786	7.744763374	1111.808472	7.085618496
18-ม.ค.-24 23:00:00	29.75951767	7.786565781	1108.271729	7.022522449
19-ม.ค.-24 00:00:00	29.67399025	7.80440855	1104.734863	6.909590721

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
19-ม.ค.-24 01:00:00	29.58846283	7.822251797	1101.19812	6.845826149
19-ม.ค.-24 02:00:00	29.50293541	7.810744286	1097.661255	6.747929096
19-ม.ค.-24 03:00:00	29.4174099	7.793010235	1094.124512	6.709920883
19-ม.ค.-24 04:00:00	29.33188248	7.775275707	1090.587646	6.705713749
19-ม.ค.-24 05:00:00	29.24635506	7.757541656	1089.35376	6.664177418
19-ม.ค.-24 06:00:00	29.16082764	7.739807606	1088.202637	6.622711182
19-ม.ค.-24 07:00:00	28.97360992	7.722073555	1087.051636	6.62508297
19-ม.ค.-24 08:00:00	28.77863884	7.704339027	1085.900513	6.553037167
19-ม.ค.-24 09:00:00	28.59734726	7.626961708	1084.749512	4.642340183
19-ม.ค.-24 10:00:00	30.54003525	7.4536376	1087.54895	3.938456535
19-ม.ค.-24 11:00:00	35.0842247	7.29894495	1095.57373	2.319859982
19-ม.ค.-24 12:00:00	39.64220428	7.276999474	1097.310669	
19-ม.ค.-24 13:00:00		7.255054474	1097.279785	
19-ม.ค.-24 14:00:00		7.233108997	1097.248901	
19-ม.ค.-24 15:00:00		7.237141132	1097.218018	
19-ม.ค.-24 16:00:00		7.241650581	1097.187134	
19-ม.ค.-24 17:00:00		7.24616003	1097.156128	
19-ม.ค.-24 18:00:00	38.79483414	7.250669956	1097.125244	
19-ม.ค.-24 19:00:00	36.07268906	7.255748749	1095.743042	
19-ม.ค.-24 20:00:00	33.00920486	7.260853767	1090.748047	
19-ม.ค.-24 21:00:00	30.695858	7.265958309	1085.753052	
19-ม.ค.-24 22:00:00	29.22224426	7.271062851	1052.192749	5.204807758
19-ม.ค.-24 23:00:00	29.82275581	7.553178787	969.0668945	6.56509304
20-ม.ค.-24 00:00:00	29.80613136	7.667844296	952.8845825	6.549402714
20-ม.ค.-24 01:00:00	29.64632034	7.681641579	949.6768799	6.408982754
20-ม.ค.-24 02:00:00	29.48651123	7.694859982	946.4691772	6.282514095
20-ม.ค.-24 03:00:00	29.32670021	7.673915863	943.2614746	6.272567749
20-ม.ค.-24 04:00:00	29.16688919	7.652971268	940.053772	6.213921547
20-ม.ค.-24 05:00:00	29.00707817	7.632027149	936.8460693	6.132956505
20-ม.ค.-24 06:00:00	28.84726906	7.611083031	933.6383667	6.208149433
20-ม.ค.-24 07:00:00	28.46506882	7.590138435	930.4306641	3.505126238
20-ม.ค.-24 08:00:00	27.26120377	7.512901783	932.3493042	3.323553085
20-ม.ค.-24 09:00:00	27.0719223	7.38501358	937.0964966	2.663170338
20-ม.ค.-24 10:00:00	29.41178322	7.257125378	941.8436279	2.045889616
20-ม.ค.-24 11:00:00	33.95423889	7.169680119	946.5908203	
20-ม.ค.-24 12:00:00	38.59261322	7.178498268	951.3379517	
20-ม.ค.-24 13:00:00		7.187316418	951.1954956	
20-ม.ค.-24 14:00:00		7.196134567	950.2367554	
20-ม.ค.-24 15:00:00		7.20495224	949.2779541	
20-ม.ค.-24 16:00:00		7.21377039	948.3192139	
20-ม.ค.-24 17:00:00	39.4360733	7.222588539	947.3604736	
20-ม.ค.-24 18:00:00	36.59637833	7.231406689	946.4016724	
20-ม.ค.-24 19:00:00	33.79521942	7.23721981	945.4429321	
20-ม.ค.-24 20:00:00	31.46571922	7.238703728	944.4841919	
20-ม.ค.-24 21:00:00	29.59617043	7.240187645	943.9200439	
20-ม.ค.-24 22:00:00	29.63729858	7.467903614	906.914856	5.543458462
20-ม.ค.-24 23:00:00	29.9406929	7.698309422	897.7820435	6.198235035
21-ม.ค.-24 00:00:00	29.96966743	7.765389442	897.0718384	6.149072647
21-ม.ค.-24 01:00:00	29.75342369	7.752040863	896.3615723	6.131538868
21-ม.ค.-24 02:00:00	29.53717995	7.738692284	895.6513672	5.969521999
21-ม.ค.-24 03:00:00	29.3209362	7.725343227	894.9411621	5.939898014
21-ม.ค.-24 04:00:00	29.10469246	7.711994648	894.230896	5.974026203
21-ม.ค.-24 05:00:00	27.99202919	7.383068562	893.5206909	3.994353533
21-ม.ค.-24 06:00:00	26.70186996	7.355732441	892.8104858	3.541670561

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
21-ม.ค.-24 07:00:00	25.6547451	7.328396797	895.3843384	3.077569962
21-ม.ค.-24 08:00:00	25.20074272	7.301061153	898.0911865	2.649255753
21-ม.ค.-24 09:00:00	25.76049805	7.266942501	900.7980347	2.146978617
21-ม.ค.-24 10:00:00	28.46471977	7.215064526	903.5048218	
21-ม.ค.-24 11:00:00	33.05519867	7.16318655	906.2116699	
21-ม.ค.-24 12:00:00	38.11953354	7.111308575	908.9185181	
21-ม.ค.-24 13:00:00		7.08110714	911.6253052	
21-ม.ค.-24 14:00:00		7.065441132	914.0496216	
21-ม.ค.-24 15:00:00		7.049775124	913.3083496	
21-ม.ค.-24 16:00:00		7.034109116	912.5670776	
21-ม.ค.-24 17:00:00	39.57304001	7.018443584	912.858667	
21-ม.ค.-24 18:00:00	36.82468414	7.002777576	911.0845947	
21-ม.ค.-24 19:00:00	34.06557083	7.015771866	910.3433228	
21-ม.ค.-24 20:00:00	31.8466835	7.032099247	909.6020508	
21-ม.ค.-24 21:00:00	30.26725769	7.048426628	908.8608398	
21-ม.ค.-24 22:00:00	30.61665154	7.670443535	930.173584	6.142703056
21-ม.ค.-24 23:00:00	30.67152214	7.984198093	942.8954468	6.56739521
22-ม.ค.-24 00:00:00	30.72639465	8.074667931	944.3293457	6.493153572
22-ม.ค.-24 01:00:00	30.56557274	8.067060471	944.4113159	6.389935017
22-ม.ค.-24 02:00:00	30.4017086	8.057929993	944.4933472	6.294896603
22-ม.ค.-24 03:00:00	30.23784637	8.048799515	944.5753784	6.287692547
22-ม.ค.-24 04:00:00	30.07398224	8.022215843	944.6573486	6.1828866
22-ม.ค.-24 05:00:00	29.91012001	7.98534584	944.7393799	6.181181431
22-ม.ค.-24 06:00:00	29.74625587	7.948475361	944.8213501	6.192164421
22-ม.ค.-24 07:00:00	29.58239174	7.911604881	944.9134521	6.165563583
22-ม.ค.-24 08:00:00	28.98154831	7.666895866	945.8997803	3.818523169
22-ม.ค.-24 09:00:00	28.65083313	7.501409054	946.8861084	3.262583017
22-ม.ค.-24 10:00:00	30.60093307	7.447989941	948.1122437	2.462972164
22-ม.ค.-24 11:00:00	34.19037628	7.394570351	948.420967	
22-ม.ค.-24 12:00:00	38.04506302	7.341151237	951.5359497	
22-ม.ค.-24 13:00:00		7.287731647	953.2477417	
22-ม.ค.-24 14:00:00		7.262814522	954.9595947	
22-ม.ค.-24 15:00:00		7.254796028	956.6713867	
22-ม.ค.-24 16:00:00		7.246778011	958.3832397	
22-ม.ค.-24 17:00:00	39.0533371	7.238759518	955.8753052	
22-ม.ค.-24 18:00:00	37.37343597	7.241978168	953.2897339	
22-ม.ค.-24 19:00:00	35.40896225	7.274820805	950.7041626	
22-ม.ค.-24 20:00:00	33.44448471	7.307663441	948.1185913	
22-ม.ค.-24 21:00:00	30.46884155	7.428587437	853.4776611	4.85430479
22-ม.ค.-24 22:00:00	30.77128983	7.568202496	825.6769409	5.284715652
22-ม.ค.-24 23:00:00	30.71784973	7.587159634	823.0356445	5.337960243
23-ม.ค.-24 00:00:00	30.66090965	7.606116772	820.3943481	5.275167942
23-ม.ค.-24 01:00:00	30.60396957	7.62507391	817.7531128	5.317517757
23-ม.ค.-24 02:00:00	30.5470295	7.623416901	815.1118164	5.396459579
23-ม.ค.-24 03:00:00	30.49008942	7.618240833	812.4705811	5.411351681
23-ม.ค.-24 04:00:00	30.43314934	7.613064289	809.8292847	5.390222073
23-ม.ค.-24 05:00:00	30.37621117	7.607887745	807.1879883	5.463436127
23-ม.ค.-24 06:00:00	30.31491089	7.602711201	806.0180054	5.48514986
23-ม.ค.-24 07:00:00	30.21773529	7.597534657	807.2857056	5.55325985
23-ม.ค.-24 08:00:00	30.1205969	7.592358112	808.5533447	5.572618008
23-ม.ค.-24 09:00:00	30.02338409	7.587182045	809.8209839	5.481583595
23-ม.ค.-24 10:00:00	29.9262085	7.560712337	811.088623	5.45387888
23-ม.ค.-24 11:00:00	32.35097122	7.285878181	812.3563232	
23-ม.ค.-24 12:00:00	35.89849472	7.246911526	813.6239624	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
23-ม.ค.-24 13:00:00	38.86241913	7.207944393	814.8916016	
23-ม.ค.-24 14:00:00	39.62198639	7.185655117	815.140686	
23-ม.ค.-24 15:00:00	39.82032776	7.173793793	814.3482666	
23-ม.ค.-24 16:00:00	39.22225189	7.161932945	813.5559082	
23-ม.ค.-24 17:00:00	37.51309586	7.150071621	812.7634888	
23-ม.ค.-24 18:00:00	35.73527527	7.138210297	811.9710693	
23-ม.ค.-24 19:00:00	33.95745468	7.136156082	811.1787109	
23-ม.ค.-24 20:00:00	32.21603226	7.147754669	810.3862915	
23-ม.ค.-24 21:00:00	30.2778492	7.652471542	932.7709351	5.264942169
23-ม.ค.-24 22:00:00	30.16156006	7.785680294	941.6671753	5.382615089
23-ม.ค.-24 23:00:00	30.04527283	7.813991547	941.6019897	5.504910946
24-ม.ค.-24 00:00:00	29.92898369	7.837246418	939.6113892	5.543931484
24-ม.ค.-24 01:00:00	29.81269646	7.830554962	935.6189575	5.540785313
24-ม.ค.-24 02:00:00	29.69640732	7.823863506	931.6265869	5.557355881
24-ม.ค.-24 03:00:00	29.58012009	7.81717205	927.6341553	5.507011414
24-ม.ค.-24 04:00:00	29.46135521	7.810480595	923.6417236	5.644915581
24-ม.ค.-24 05:00:00	29.21782303	7.803789139	919.649353	5.732397079
24-ม.ค.-24 06:00:00	28.97429085	7.797097683	915.6569214	5.71368885
24-ม.ค.-24 07:00:00	28.73075867	7.790406227	914.151062	5.773927689
24-ม.ค.-24 08:00:00	28.48722649	7.780765533	915.6503906	5.823893547
24-ม.ค.-24 09:00:00	28.43458557	7.721261024	917.1497803	3.765143394
24-ม.ค.-24 10:00:00	29.8450489	7.548058987	918.6491699	3.169411659
24-ม.ค.-24 11:00:00	32.28228378	7.422073364	920.0522461	2.030384302
24-ม.ค.-24 12:00:00	35.66718292	7.329815388	920.5616455	
24-ม.ค.-24 13:00:00	38.32498932	7.289905071	921.0709839	
24-ม.ค.-24 14:00:00	38.48765945	7.290482998	921.5803223	
24-ม.ค.-24 15:00:00	38.81021118	7.291060925	922.0896606	
24-ม.ค.-24 16:00:00	38.75790405	7.291638374	922.5990601	
24-ม.ค.-24 17:00:00	36.55239105	7.293179035	923.1083984	
24-ม.ค.-24 18:00:00	34.64881897	7.295089722	923.6177368	
24-ม.ค.-24 19:00:00	32.73058319	7.297000885	922.7221069	
24-ม.ค.-24 20:00:00	30.86094856	7.298911572	916.7047729	
24-ม.ค.-24 21:00:00	29.1074295	7.403286457	834.6025391	4.509563923
24-ม.ค.-24 22:00:00	29.09778595	7.548918247	787.8120117	4.839972019
24-ม.ค.-24 23:00:00	28.93981171	7.601318836	781.503418	4.960475922
25-ม.ค.-24 00:00:00	28.7211647	7.588119507	780.7272949	5.095095634
25-ม.ค.-24 01:00:00	28.50251961	7.574919701	779.9511719	5.038128376
25-ม.ค.-24 02:00:00	28.2838726	7.561720371	779.1749878	4.953084946
25-ม.ค.-24 03:00:00	28.06522751	7.548521042	778.3988647	5.040757656
25-ม.ค.-24 04:00:00	27.51791191	7.462366581	777.6227417	2.650801659
25-ม.ค.-24 05:00:00	26.83159065	7.340695381	776.8466187	2.199328661
25-ม.ค.-24 06:00:00	26.14526939	7.305193901	776.0704346	
25-ม.ค.-24 07:00:00	25.45894814	7.269691944	777.4819946	
25-ม.ค.-24 08:00:00	25.33751297	7.234189987	779.1069946	
25-ม.ค.-24 09:00:00	25.74905014	7.198688507	780.7319946	
25-ม.ค.-24 10:00:00	28.62774086	7.16318655	782.3569946	
25-ม.ค.-24 11:00:00	32.277668	7.151928425	783.9819946	
25-ม.ค.-24 12:00:00	34.90307236	7.144901752	785.6069946	
25-ม.ค.-24 13:00:00	36.3422966	7.141808987	787.2319946	
25-ม.ค.-24 14:00:00	38.24575043	7.154589653	788.835083	
25-ม.ค.-24 15:00:00	39.63394928	7.167369843	789.5845947	
25-ม.ค.-24 16:00:00	37.42342377	7.180150509	790.3341675	
25-ม.ค.-24 17:00:00	34.61076736	7.192930698	791.0836792	
25-ม.ค.-24 18:00:00	32.17134857	7.1989398	791.8331909	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
25-ม.ค.-24 19:00:00	30.00647163	7.19149065	792.5827026	
25-ม.ค.-24 20:00:00	28.61079216	7.208881855	864.0552979	3.102186918
25-ม.ค.-24 21:00:00	28.70751381	7.274719238	891.1570435	4.48261261
25-ม.ค.-24 22:00:00	28.67049789	7.345673561	888.8846436	4.985822678
25-ม.ค.-24 23:00:00	28.53574753	7.359214306	886.6121826	5.00383091
26-ม.ค.-24 00:00:00	28.40099907	7.372755527	884.3397217	5.067342281
26-ม.ค.-24 01:00:00	28.26625061	7.386296272	882.0672607	5.196392059
26-ม.ค.-24 02:00:00	28.13150215	7.399837494	879.7947998	5.298221111
26-ม.ค.-24 03:00:00	27.99675369	7.413378239	877.5223999	5.564966202
26-ม.ค.-24 04:00:00	27.86200333	7.42691946	875.249939	5.555630207
26-ม.ค.-24 05:00:00	27.72725487	7.440460205	873.4468994	5.640990734
26-ม.ค.-24 06:00:00	27.08293724	7.427447796	873.5716553	2.4591434
26-ม.ค.-24 07:00:00	26.23642159	7.275442123	873.6964111	2.402763367
26-ม.ค.-24 08:00:00	25.51428223	7.253662586	873.821167	2.32644558
26-ม.ค.-24 09:00:00	25.52480125	7.231883526	873.9458618	2.027599096
26-ม.ค.-24 10:00:00	27.98020554	7.210104465	874.0706177	
26-ม.ค.-24 11:00:00	32.10255051	7.188325405	875.3738403	
26-ม.ค.-24 12:00:00	35.95836639	7.166545868	876.6786499	
26-ม.ค.-24 13:00:00	38.35162354	7.144766808	877.9834595	
26-ม.ค.-24 14:00:00	38.08289719	7.122987747	879.288269	
26-ม.ค.-24 15:00:00	38.44815826	7.108327866	880.5930786	
26-ม.ค.-24 16:00:00	37.10271072	7.112307072	881.8979492	
26-ม.ค.-24 17:00:00	36.03011703	7.116286278	883.2027588	
26-ม.ค.-24 18:00:00	34.82512283	7.120265961	884.107666	
26-ม.ค.-24 19:00:00	33.47297287	7.124245167	882.0253906	
26-ม.ค.-24 20:00:00	32.12082291	7.138454437	879.9430542	
26-ม.ค.-24 21:00:00	30.76867104	7.159928799	877.8607788	
26-ม.ค.-24 22:00:00	28.48301125	7.374291897	783.2702026	6.298172474
26-ม.ค.-24 23:00:00	28.62977219	7.534674168	765.2604381	6.382995129
27-ม.ค.-24 00:00:00	28.50579643	7.570750713	764.1609497	6.225087643
27-ม.ค.-24 01:00:00	28.38182068	7.580434322	763.0578613	6.076898575
27-ม.ค.-24 02:00:00	28.25784302	7.5645895	761.9547729	6.030209064
27-ม.ค.-24 03:00:00	28.13386726	7.548744202	760.8517456	6.031945229
27-ม.ค.-24 04:00:00	28.00989151	7.53289938	759.7486572	6.012938023
27-ม.ค.-24 05:00:00	27.88591576	7.517054081	758.6455688	5.984852314
27-ม.ค.-24 06:00:00	27.7619381	7.501209259	757.5425415	5.993991375
27-ม.ค.-24 07:00:00	27.10930061	7.489109039	757.7807007	3.978568554
27-ม.ค.-24 08:00:00	26.6436615	7.405716896	759.6954346	3.4603827
27-ม.ค.-24 09:00:00	26.6307354	7.312209129	761.6101685	3.070088387
27-ม.ค.-24 10:00:00	29.35862541	7.218701839	763.5249634	2.408255816
27-ม.ค.-24 11:00:00	32.53825378	7.113426685	765.4396973	
27-ม.ค.-24 12:00:00	37.93228149	7.104310989	767.3544312	
27-ม.ค.-24 13:00:00		7.098194599	769.2692261	
27-ม.ค.-24 14:00:00		7.092078686	771.18396	
27-ม.ค.-24 15:00:00		7.085962296	771.5809326	
27-ม.ค.-24 16:00:00		7.086319923	770.8039551	
27-ม.ค.-24 17:00:00	36.93867874	7.090821743	770.0269775	
27-ม.ค.-24 18:00:00	34.29220581	7.095323563	769.25	
27-ม.ค.-24 19:00:00	31.95997047	7.099824905	768.4730225	
27-ม.ค.-24 20:00:00	30.17203522	7.104326725	767.6960449	
27-ม.ค.-24 21:00:00	28.1955204	7.119274139	711.6538086	4.720641136
27-ม.ค.-24 22:00:00	29.22686005	7.534973621	698.0891113	6.368513584
27-ม.ค.-24 23:00:00	29.32347107	7.632115364	705.7955322	6.375815868
28-ม.ค.-24 00:00:00	29.17634201	7.626647472	713.5020142	6.304413319

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
28-ม.ค.-24 01:00:00	28.99126244	7.621180058	721.2084351	6.210535049
28-ม.ค.-24 02:00:00	28.80618286	7.605866432	728.914917	6.233339787
28-ม.ค.-24 03:00:00	28.62110329	7.58471489	735.5731201	6.193259716
28-ม.ค.-24 04:00:00	28.43602371	7.563563347	737.1430664	6.264564514
28-ม.ค.-24 05:00:00	27.36123085	7.524674892	738.7129517	4.055978298
28-ม.ค.-24 06:00:00	26.20261002	7.467550755	740.2828979	3.937426567
28-ม.ค.-24 07:00:00	25.27533531	7.41042614	741.8528442	3.704214573
28-ม.ค.-24 08:00:00	24.78556633	7.34950304	743.4227905	3.464196444
28-ม.ค.-24 09:00:00	25.20220375	7.283884525	744.9926758	2.798111916
28-ม.ค.-24 10:00:00	28.05624008	7.218265533	746.5626221	2.640025616
28-ม.ค.-24 11:00:00	32.3910141	7.044250965	747.8500977	
28-ม.ค.-24 12:00:00	35.66391373	7.023817539	748.4515381	
28-ม.ค.-24 13:00:00		6.986671448	749.0529175	
28-ม.ค.-24 14:00:00		6.994428635	749.6543579	
28-ม.ค.-24 15:00:00		7.000813484	750.2557983	
28-ม.ค.-24 16:00:00	39.75473404	7.006166935	750.8572388	
28-ม.ค.-24 17:00:00	37.52527618	7.011519909	751.4586182	
28-ม.ค.-24 18:00:00	35.00009155	7.01687336	752.0600586	
28-ม.ค.-24 19:00:00	32.70828629	7.022226334	751.7810669	
28-ม.ค.-24 20:00:00	30.6660347	7.027579784	750.2189331	
28-ม.ค.-24 21:00:00	28.77000618	7.032932758	706.3324585	
28-ม.ค.-24 22:00:00	29.25206375	7.835288048	745.6447754	6.608917236
28-ม.ค.-24 23:00:00	29.19691086	8.027503967	747.5266113	6.440835953
29-ม.ค.-24 00:00:00	29.12939835	8.021764755	752.2317505	6.245392799
29-ม.ค.-24 01:00:00	29.06188774	8.008273125	756.9368896	6.04358387
29-ม.ค.-24 02:00:00	28.99437523	7.951327324	761.6420288	5.866988182
29-ม.ค.-24 03:00:00	28.92686462	7.894381523	763.0786133	5.75957346
29-ม.ค.-24 04:00:00	28.85935402	7.837435722	761.623291	5.727788925
29-ม.ค.-24 05:00:00	28.79184151	7.780489922	760.1679688	5.70647192
29-ม.ค.-24 06:00:00	28.65932846	7.723544121	758.7126465	5.586816311
29-ม.ค.-24 07:00:00	27.83244133	7.533839703	757.2573853	2.322456837
29-ม.ค.-24 08:00:00	27.14724159	7.360039234	755.802063	2.015392542
29-ม.ค.-24 09:00:00	27.17380714	7.302363396	754.0966797	
29-ม.ค.-24 10:00:00	29.3310585	7.138491154	535.2467651	
29-ม.ค.-24 11:00:00	32.9311142	7.079354763	742.4057617	4.116864204
29-ม.ค.-24 12:00:00	36.59930038	7.071796417	742.2789307	4.789981842
29-ม.ค.-24 13:00:00	39.57487869	7.064238071	742.1521606	4.688800335
29-ม.ค.-24 14:00:00		6.92097044	156.7630005	4.624030113
29-ม.ค.-24 15:00:00		6.920847416	157.860733	4.632801056
29-ม.ค.-24 16:00:00		6.920724392	158.9584656	4.524111271
29-ม.ค.-24 17:00:00	38.20311737	6.920601368	160.0561981	4.554294586
29-ม.ค.-24 18:00:00	36.32083511	7.134555817	708.9001465	3.169764757
29-ม.ค.-24 19:00:00	34.5451622	7.263477325	776.5145874	2.664803982
29-ม.ค.-24 20:00:00	32.7694931	7.254014492	779.9880371	
29-ม.ค.-24 21:00:00	29.6898632	7.966265678	711.47052	6.693174362
29-ม.ค.-24 22:00:00	29.78304291	8.067616463	695.2001343	6.729799747
29-ม.ค.-24 23:00:00	29.63354874	7.214823723	692.3001709	6.537181854
30-ม.ค.-24 00:00:00	29.48405457	7.429546833	691.3106079	6.462788105
30-ม.ค.-24 01:00:00	29.3345623	7.448255062	690.3209839	6.424516678
30-ม.ค.-24 02:00:00	29.18506813	7.466962814	689.3313599	6.390120983
30-ม.ค.-24 03:00:00	29.03557396	7.480657101	688.3417358	6.269936085
30-ม.ค.-24 04:00:00	28.8860817	7.479956627	687.3521729	6.218307495
30-ม.ค.-24 05:00:00	28.73658752	7.479256153	686.3625488	6.239838123
30-ม.ค.-24 06:00:00	28.41276932	7.478555202	685.3729248	6.247869015

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*Remark

Copy ตารางค่า PI มากรรณเป็น value

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
30-ม.ค.-24 07:00:00	27.32108688	7.311990738	686.9431152	4.196735859
30-ม.ค.-24 08:00:00	26.54042816	7.2635746	688.8378906	4.013751984
30-ม.ค.-24 09:00:00	26.74142838	7.215158939	690.732605	3.278555632
30-ม.ค.-24 10:00:00	28.26	7.17	692.63	2.78
30-ม.ค.-24 11:00:00	32.46	7.12	694.52	
30-ม.ค.-24 12:00:00	36.33	7.07	696.42	
30-ม.ค.-24 13:00:00		7.02	698.31	
30-ม.ค.-24 14:00:00		6.99	700.19	
30-ม.ค.-24 15:00:00		6.98	699.83	
30-ม.ค.-24 16:00:00		6.98	699.47	
30-ม.ค.-24 17:00:00	38.18	6.98	699.12	
30-ม.ค.-24 18:00:00	35.84	6.97	698.76	
30-ม.ค.-24 19:00:00	33.74	6.97	698.41	
30-ม.ค.-24 20:00:00	31.94	6.96	698.05	
30-ม.ค.-24 21:00:00	30.63	6.96	697.69	
30-ม.ค.-24 22:00:00	29.24	7.77	711.34	
30-ม.ค.-24 23:00:00	29.64	8.06	719.64	7.04
31-ม.ค.-24 00:00:00	29.59	7.37	727.93	6.86
31/1/2024 1:00	29.53	7.32	730.82	6.62
31/1/2024 2:00	29.48	7.32	730.55	6.34
31/1/2024 3:00	29.42	7.34	730.27	6.22
31/1/2024 4:00	29.37	7.35	730.00	6.14
31/1/2024 5:00	29.31	7.37	729.72	6.06
31/1/2024 6:00	29.26	7.39	729.44	6.07
31/1/2024 7:00	28.93	7.40	729.17	5.95
31/1/2024 8:00	28.29	7.32	728.89	4.01
31/1/2024 9:00	28.20	7.23	729.80	3.55
31/1/2024 10:00	30.63	7.16	731.10	3.01
31/1/2024 11:00	34.18	7.09	732.41	
31/1/2024 12:00	37.95	7.03	733.71	
31/1/2024 13:00		6.99	735.02	
31/1/2024 14:00		6.95	736.32	
31/1/2024 15:00		6.86	156.78	3.59
31/1/2024 16:00		6.90	153.30	4.11
31/1/2024 17:00	39.74	6.93	153.16	4.17
31/1/2024 18:00	38.29	6.95	153.01	4.30
31/1/2024 19:00	36.43	7.04	152.86	4.42
31/1/2024 20:00	34.56	7.04	152.72	4.72
31/1/2024 21:00	30.00	8.13	711.08	6.81
31/1/2024 22:00	30.10	7.41	709.72	6.85
31/1/2024 23:00	30.00	7.38	708.36	6.56
1/2/2024 0:00	29.82	7.37	707.00	6.39

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*Remark

Copy จากหน้า PI มกราคมเป็น value

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
01-ก.พ.-24 00:00:00	29.82	7.37	707.00	6.39
01-ก.พ.-24 01:00:00	29.65	7.35	705.64	6.23
01-ก.พ.-24 02:00:00	29.48	7.34	704.28	6.07
01-ก.พ.-24 03:00:00	28.83	7.29	702.93	6.24
01-ก.พ.-24 04:00:00	27.78	7.11	660.44	6.17
01-ก.พ.-24 05:00:00	26.74	6.99	460.81	5.63
01-ก.พ.-24 06:00:00	26.07	7.00	232.98	5.17
01-ก.พ.-24 07:00:00	25.43	7.00	190.52	4.94
01-ก.พ.-24 08:00:00	25.48	7.03	164.93	5.04
01-ก.พ.-24 09:00:00	26.39	7.05	156.16	4.93
01-ก.พ.-24 10:00:00	29.10	7.05	156.03	4.73
01-ก.พ.-24 11:00:00	31.93	7.05	155.90	4.43
01-ก.พ.-24 12:00:00	35.91	7.03	155.76	4.63
01-ก.พ.-24 13:00:00	39.07	7.02	155.63	4.52
01-ก.พ.-24 14:00:00	39.95	7.02	155.50	4.63
01-ก.พ.-24 15:00:00		7.02	155.37	4.71
01-ก.พ.-24 16:00:00		7.01	155.24	4.72
01-ก.พ.-24 17:00:00	39.46	7.00	154.87	4.67
01-ก.พ.-24 18:00:00	37.89	7.00	154.50	4.83
01-ก.พ.-24 19:00:00	36.30	6.99	154.12	4.73
01-ก.พ.-24 20:00:00	34.56	6.98	153.75	4.85
01-ก.พ.-24 21:00:00	32.82	6.98	153.37	4.76
01-ก.พ.-24 22:00:00	30.74	7.49	773.32	5.96
01-ก.พ.-24 23:00:00	30.82	7.72	784.78	6.45
02-ก.พ.-24 00:00:00	30.75	7.71	787.32	4.87
02-ก.พ.-24 01:00:00	30.51	7.63	784.76	4.26
02-ก.พ.-24 02:00:00	29.53	7.27	687.21	3.81
02-ก.พ.-24 03:00:00	28.55	7.04	374.34	2.60
02-ก.พ.-24 04:00:00	27.69	6.99	207.24	
02-ก.พ.-24 05:00:00	27.15	6.93	181.62	2.57
02-ก.พ.-24 06:00:00	26.60	6.89	173.43	3.30
02-ก.พ.-24 07:00:00	26.46	6.91	165.24	3.11
02-ก.พ.-24 08:00:00	26.55	6.96	164.07	2.48
02-ก.พ.-24 09:00:00	27.48	7.03	158.22	3.91
02-ก.พ.-24 10:00:00	29.97	7.06	154.72	4.81
02-ก.พ.-24 11:00:00	32.33	7.04	154.71	4.92
02-ก.พ.-24 12:00:00	35.36	7.03	154.69	4.71
02-ก.พ.-24 13:00:00	38.84	7.02	154.68	4.45
02-ก.พ.-24 14:00:00		7.01	154.67	4.32
02-ก.พ.-24 15:00:00		7.01	154.65	4.06
02-ก.พ.-24 16:00:00		7.00	154.64	4.25
02-ก.พ.-24 17:00:00	39.77	7.00	154.63	4.24
02-ก.พ.-24 18:00:00	38.21	7.00	154.49	4.44
02-ก.พ.-24 19:00:00	36.54	7.00	154.26	4.67
02-ก.พ.-24 20:00:00	34.71	6.99	154.02	4.91
02-ก.พ.-24 21:00:00	30.95	8.19	791.37	6.83
02-ก.พ.-24 22:00:00	30.96	8.17	793.84	7.37
02-ก.พ.-24 23:00:00	30.87	7.57	796.31	6.86
03-ก.พ.-24 00:00:00	30.71	7.30	798.78	6.51
03-ก.พ.-24 01:00:00	30.55	7.28	801.26	6.31
03-ก.พ.-24 02:00:00	30.39	7.27	803.73	6.11
03-ก.พ.-24 03:00:00	30.23	7.25	806.20	6.09
03-ก.พ.-24 04:00:00	29.43	7.13	752.62	5.95
03-ก.พ.-24 05:00:00	28.44	7.01	746.04	6.13
03-ก.พ.-24 06:00:00	27.74	6.98	286.05	5.14
03-ก.พ.-24 07:00:00	27.14	6.98	202.10	5.05
03-ก.พ.-24 08:00:00	27.19	6.98	178.38	5.06
03-ก.พ.-24 09:00:00	28.19	7.01	173.44	5.03
03-ก.พ.-24 10:00:00	30.54	7.05	160.38	4.94

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*Remark

Copy จากหน้า PI มกราคมเป็น value

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
03-ก.พ.-24 11:00:00	33.57	7.08	153.78	5.00
03-ก.พ.-24 12:00:00	35.97	7.07	153.19	4.93
03-ก.พ.-24 13:00:00	39.11	7.05	152.60	4.66
03-ก.พ.-24 14:00:00		7.03	152.00	4.42
03-ก.พ.-24 15:00:00		7.02	151.41	4.43
03-ก.พ.-24 16:00:00		7.00	150.82	4.35
03-ก.พ.-24 17:00:00	39.64	6.99	150.22	4.19
03-ก.พ.-24 18:00:00	38.09	6.98	149.63	4.17
03-ก.พ.-24 19:00:00	36.18	7.01	149.80	3.69
03-ก.พ.-24 20:00:00	34.26	7.03	150.40	3.78
03-ก.พ.-24 21:00:00	32.58	7.04	151.00	4.49
03-ก.พ.-24 22:00:00	31.30	7.34	831.49	5.26
03-ก.พ.-24 23:00:00	31.37	7.46	843.40	5.50
04-ก.พ.-24 00:00:00	31.29	7.45	843.85	5.60
04-ก.พ.-24 01:00:00	31.21	7.45	844.30	5.63
04-ก.พ.-24 02:00:00	31.12	7.44	844.75	5.62
04-ก.พ.-24 03:00:00	31.04	7.43	845.20	5.71
04-ก.พ.-24 04:00:00	30.96	7.43	845.65	5.65
04-ก.พ.-24 05:00:00	30.88	7.42	846.10	5.74
04-ก.พ.-24 06:00:00	30.79	7.41	846.55	5.77
04-ก.พ.-24 07:00:00	30.05	7.32	841.56	5.56
04-ก.พ.-24 08:00:00	29.31	7.16	819.24	5.07
04-ก.พ.-24 09:00:00	29.80	7.05	503.78	4.41
04-ก.พ.-24 10:00:00	31.76	7.05	231.49	4.63
04-ก.พ.-24 11:00:00	33.40	7.05	193.81	4.60
04-ก.พ.-24 12:00:00	37.36	7.03	171.94	4.43
04-ก.พ.-24 13:00:00	39.88	7.01	166.53	4.34
04-ก.พ.-24 14:00:00		7.03	161.13	4.32
04-ก.พ.-24 15:00:00		7.01	155.72	4.25
04-ก.พ.-24 16:00:00		7.01	150.81	4.13
04-ก.พ.-24 17:00:00		7.00	150.66	4.12
04-ก.พ.-24 18:00:00	39.04	7.00	150.50	4.34
04-ก.พ.-24 19:00:00	37.02	7.00	150.35	4.43
04-ก.พ.-24 20:00:00	31.36	7.34	820.20	5.05
04-ก.พ.-24 21:00:00	31.60	8.41	823.49	6.51
04-ก.พ.-24 22:00:00	31.41	7.69	826.78	6.13
04-ก.พ.-24 23:00:00	31.18	7.58	830.06	5.70
05-ก.พ.-24 00:00:00	30.95	7.47	833.35	5.58
05-ก.พ.-24 01:00:00	30.71	7.39	830.16	5.51
05-ก.พ.-24 02:00:00	30.24	7.30	825.46	5.53
05-ก.พ.-24 03:00:00	29.08	7.07	779.06	5.40
05-ก.พ.-24 04:00:00	27.92	6.97	411.59	5.01
05-ก.พ.-24 05:00:00	27.32	6.96	205.65	5.03
05-ก.พ.-24 06:00:00	26.74	6.94	173.43	5.05
05-ก.พ.-24 07:00:00	26.17	6.96	164.38	5.09
05-ก.พ.-24 08:00:00	26.21	6.98	157.60	5.21
05-ก.พ.-24 09:00:00	27.17	7.01	152.21	5.11
05-ก.พ.-24 10:00:00	29.76	7.01	148.53	5.02
05-ก.พ.-24 11:00:00	33.78	7.02	148.22	4.27
05-ก.พ.-24 12:00:00	37.52	7.00	147.90	4.11
05-ก.พ.-24 13:00:00		6.98	147.58	4.02
05-ก.พ.-24 14:00:00		6.98	147.26	3.86
05-ก.พ.-24 15:00:00		6.97	146.95	3.63
05-ก.พ.-24 16:00:00		6.96	146.63	3.65
05-ก.พ.-24 17:00:00		6.96	146.31	3.66
05-ก.พ.-24 18:00:00	39.77	6.97	146.38	3.90
05-ก.พ.-24 19:00:00	37.85	6.98	146.89	4.03
05-ก.พ.-24 20:00:00	35.83	7.00	147.40	4.04
05-ก.พ.-24 21:00:00	34.02	7.00	147.92	4.11

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
05-ก.พ.-24 22:00:00	31.17	7.42	942.08	5.19
05-ก.พ.-24 23:00:00	31.30	7.65	975.30	5.63
06-ก.พ.-24 00:00:00	31.18	7.66	979.46	5.65
06-ก.พ.-24 01:00:00	31.02	7.65	981.55	5.70
06-ก.พ.-24 02:00:00	30.86	7.63	977.05	5.52
06-ก.พ.-24 03:00:00	30.69	7.61	972.55	5.57
06-ก.พ.-24 04:00:00	30.53	7.59	968.04	5.56
06-ก.พ.-24 05:00:00	30.36	7.57	963.54	5.52
06-ก.พ.-24 06:00:00	29.95	7.38	946.08	5.29
06-ก.พ.-24 07:00:00	29.24	7.08	844.93	4.60
06-ก.พ.-24 08:00:00	28.81	7.02	162.61	4.93
06-ก.พ.-24 09:00:00	30.51	7.44	855.55	5.79
06-ก.พ.-24 10:00:00	32.91	7.03	151.12	4.22
06-ก.พ.-24 11:00:00	36.17	6.98	144.25	3.98
06-ก.พ.-24 12:00:00	39.10	6.98	144.44	3.89
06-ก.พ.-24 13:00:00		6.97	144.62	3.77
06-ก.พ.-24 14:00:00		6.98	144.80	3.52
06-ก.พ.-24 15:00:00		6.98	144.98	3.42
06-ก.พ.-24 16:00:00		6.97	145.16	3.49
06-ก.พ.-24 17:00:00		6.96	145.35	3.57
06-ก.พ.-24 18:00:00	39.44	6.95	145.53	3.57
06-ก.พ.-24 19:00:00	37.58	6.94	145.65	3.72
06-ก.พ.-24 20:00:00	35.72	6.95	145.71	3.71
06-ก.พ.-24 21:00:00	33.89	6.95	145.78	3.87
06-ก.พ.-24 22:00:00	31.00	8.21	847.47	6.09
06-ก.พ.-24 23:00:00	31.05		854.74	6.09
07-ก.พ.-24 00:00:00	30.88	7.02	853.56	5.73
07-ก.พ.-24 01:00:00	30.71	7.44	852.37	5.52
07-ก.พ.-24 02:00:00	30.53	7.45	851.19	5.31
07-ก.พ.-24 03:00:00	30.36	7.40	850.00	5.25
07-ก.พ.-24 04:00:00	30.19	7.36	848.82	5.23
07-ก.พ.-24 05:00:00	30.02	7.32	846.42	5.19
07-ก.พ.-24 06:00:00	29.80	7.27	843.47	5.25
07-ก.พ.-24 07:00:00	29.33	7.10	840.51	4.65
07-ก.พ.-24 08:00:00	28.74	6.88	497.74	3.87
07-ก.พ.-24 09:00:00	29.36	6.96	156.20	4.34
07-ก.พ.-24 10:00:00	30.68	6.96	153.83	4.56
07-ก.พ.-24 11:00:00	34.30	6.95	151.46	4.24
07-ก.พ.-24 12:00:00		6.95	149.09	3.86
07-ก.พ.-24 13:00:00		6.94	146.72	3.71
07-ก.พ.-24 14:00:00		6.94	144.35	3.43
07-ก.พ.-24 15:00:00		6.93	144.30	2.89
07-ก.พ.-24 16:00:00		6.94	144.25	2.62
07-ก.พ.-24 17:00:00		6.94	144.20	
07-ก.พ.-24 18:00:00	39.61	6.94	144.15	2.03
07-ก.พ.-24 19:00:00	37.67	6.94	144.10	
07-ก.พ.-24 20:00:00	35.70	6.95	144.06	2.98
07-ก.พ.-24 21:00:00	31.39	6.82	724.76	3.08
07-ก.พ.-24 22:00:00	30.87	7.96	843.36	5.83
07-ก.พ.-24 23:00:00	30.74	8.04	843.70	5.62
08-ก.พ.-24 00:00:00	30.51	7.96	844.04	5.60
08-ก.พ.-24 01:00:00	30.27	7.83	844.38	5.53
08-ก.พ.-24 02:00:00	29.40	7.47	817.24	3.29
08-ก.พ.-24 03:00:00	28.04	7.02	637.24	
08-ก.พ.-24 04:00:00	27.10	6.91	218.74	
08-ก.พ.-24 05:00:00	26.47	6.88	173.05	
08-ก.พ.-24 06:00:00	25.98	6.86	167.22	
08-ก.พ.-24 07:00:00	25.7741375	6.875213623	155.7102203	
08-ก.พ.-24 08:00:00	25.91008568	6.902460575	144.7067719	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
08-ก.พ.-24 09:00:00	26.9992466	6.928864002	144.5466919	
08-ก.พ.-24 10:00:00	29.71814346	6.955267906	144.3866119	
08-ก.พ.-24 11:00:00	32.86171341	6.955875397	144.226532	
08-ก.พ.-24 12:00:00	36.79950714	6.947497845	144.0664673	
08-ก.พ.-24 13:00:00		6.93912077	143.9063873	2.732474327
08-ก.พ.-24 14:00:00		6.930743217	143.7463074	2.619165421
08-ก.พ.-24 15:00:00		6.922365665	143.5862274	2.486191988
08-ก.พ.-24 16:00:00		6.91398859	143.4122772	2.839051008
08-ก.พ.-24 17:00:00		6.905611038	143.1798401	2.56517911
08-ก.พ.-24 18:00:00	38.59492874	6.897233486	142.9473877	2.567009687
08-ก.พ.-24 19:00:00	36.77335358	6.894422054	142.7149353	2.747866154
08-ก.พ.-24 20:00:00	34.9517746	6.892701149	142.4824829	2.160639763
08-ก.พ.-24 21:00:00	33.33794403	6.890980244	142.2500458	
08-ก.พ.-24 22:00:00	31.01793289	7.683144569	896.5795898	6.33878088
08-ก.พ.-24 23:00:00	31.16483498	7.856433868	923.7526855	6.248447418
09-ก.พ.-24 00:00:00	31.02063942	7.842726231	927.7055054	5.97714138
09-ก.พ.-24 01:00:00	30.87644386	7.763448238	931.6582642	5.73924017
09-ก.พ.-24 02:00:00	30.73224831	7.684170246	935.6110229	5.56873703
09-ก.พ.-24 03:00:00	30.58805084	7.604892254	935.663208	5.398554802
09-ก.พ.-24 04:00:00	30.44385529	7.525614262	931.355896	5.170873642
09-ก.พ.-24 05:00:00	29.916605	7.012295246	229.352491	3.371306419
09-ก.พ.-24 06:00:00	28.95881653	6.813049793	149.4949036	3.47545743
09-ก.พ.-24 07:00:00	28.08768463	6.810169697	147.6361084	4.15326786
09-ก.พ.-24 08:00:00	27.86387825	6.839962006	146.9291687	4.443163395
09-ก.พ.-24 09:00:00	28.57024193	6.893043041	146.2222137	4.413890839
09-ก.พ.-24 10:00:00	29.91767693	6.91805172	145.5152588	4.355029106
09-ก.พ.-24 11:00:00	34.24723816	6.916410923	144.8083038	4.261795998
09-ก.พ.-24 12:00:00	38.58748627	6.914770126	144.1013641	4.208043575
09-ก.พ.-24 13:00:00		6.913128853	143.3944092	4.130485058
09-ก.พ.-24 14:00:00		6.911488056	142.8132782	4.030554295
09-ก.พ.-24 15:00:00		6.90984726	143.2984772	4.08742857
09-ก.พ.-24 16:00:00		6.908205986	143.7836761	3.997371912
09-ก.พ.-24 17:00:00		6.906412601	144.2688904	3.965261549
09-ก.พ.-24 18:00:00		6.904306412	144.7540894	3.996219158
09-ก.พ.-24 19:00:00	38.98118591	6.902200699	145.2392883	3.97095108
09-ก.พ.-24 20:00:00	36.73952484	6.900094509	145.7244873	3.945977688
09-ก.พ.-24 21:00:00	31.44598007	6.83176136	782.3499756	5.057120323
09-ก.พ.-24 22:00:00	31.39212608	8.243280411	849.5845947	6.665310383
09-ก.พ.-24 23:00:00	31.35417747	8.16899395	856.6141357	6.329723358
10-ก.พ.-24 00:00:00	31.17602158	7.870511532	864.293457	5.974383831
10-ก.พ.-24 01:00:00	30.99786758	7.707314014	870.8054199	5.793263435
10-ก.พ.-24 02:00:00	30.81971169	7.598534584	868.9328613	5.667725086
10-ก.พ.-24 03:00:00	30.64155769	7.48975563	867.0603638	5.608119011
10-ก.พ.-24 04:00:00	30.10843658	7.199625015	750.1021729	4.978500366
10-ก.พ.-24 05:00:00	29.10317612	6.871725559	206.4631195	3.295105696
10-ก.พ.-24 06:00:00	28.23041534	6.799015045	156.3041229	4.024577141
10-ก.พ.-24 07:00:00	27.60073471	6.785324574	149.5856628	4.156596184
10-ก.พ.-24 08:00:00	27.25055313	6.868072033	148.6391907	4.110342503
10-ก.พ.-24 09:00:00	27.89414978	6.921093941	147.6927185	4.376881123
10-ก.พ.-24 10:00:00	29.56016541	6.920804024	146.7462463	4.26828289
10-ก.พ.-24 11:00:00	32.84936523	6.920514107	145.7997589	4.219180107
10-ก.พ.-24 12:00:00	36.21274567	6.92022419	144.8532867	4.349523067
10-ก.พ.-24 13:00:00	38.15360641	6.919933796	143.9068146	4.428830147
10-ก.พ.-24 14:00:00	39.6463089	6.918279171	142.9603271	4.317493439
10-ก.พ.-24 15:00:00	39.90259171	6.913994789	142.6488342	4.220742702
10-ก.พ.-24 16:00:00	39.7274437	6.90970993	142.5129547	4.171874046
10-ก.พ.-24 17:00:00	38.35754395	6.905425549	142.3770905	4.052123547
10-ก.พ.-24 18:00:00	37.07838058	6.901141167	142.2412109	4.064154148
10-ก.พ.-24 19:00:00	35.34590149	6.899640083	142.1053467	4.112645149

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
10-น.พ.-24 20:00:00	33.57268906	6.905959606	141.9694672	4.278287411
10-น.พ.-24 21:00:00	30.87321854	6.907062054	886.8295898	5.168596745
10-น.พ.-24 22:00:00	30.66857147	7.58204174	969.7359619	6.661123276
10-น.พ.-24 23:00:00	30.46392632	7.691519737	987.6706543	6.563979149
11-น.พ.-24 00:00:00	30.25927925	7.695197582	986.3445435	6.358718872
11-น.พ.-24 01:00:00	30.05463219	7.668020248	984.4678955	6.195754528
11-น.พ.-24 02:00:00	29.84998512	7.640842915	982.5913086	6.041505337
11-น.พ.-24 03:00:00	29.64533997	7.613665581	980.7147217	5.945459843
11-น.พ.-24 04:00:00	29.43792152	7.586488247	978.8380737	5.964080811
11-น.พ.-24 05:00:00	29.11594009	7.559310913	976.9614868	5.928443432
11-น.พ.-24 06:00:00	28.79395866	7.532133579	975.0848389	5.949507236
11-น.พ.-24 07:00:00	28.47197533	7.507798195	972.3097534	5.947439671
11-น.พ.-24 08:00:00	28.11011124	7.463223457	962.8213501	6.006438255
11-น.พ.-24 09:00:00	27.55865669	7.073148727	839.7835693	4.531251431
11-น.พ.-24 10:00:00	29.91113281	6.970386028	223.5327911	4.230037212
11-น.พ.-24 11:00:00	33.21443176	6.943953037	154.881134	4.523636818
11-น.พ.-24 12:00:00	36.37894821	6.917520523	146.1711884	4.305657387
11-น.พ.-24 13:00:00	39.08358383	6.891087532	143.0895844	4.328314304
11-น.พ.-24 14:00:00		6.887769222	142.911087	4.158612251
11-น.พ.-24 15:00:00		6.890949726	142.7325897	4.09305954
11-น.พ.-24 16:00:00		6.89413023	142.5540771	4.070218086
11-น.พ.-24 17:00:00	39.0281601	6.897310734	142.3755798	4.277665138
11-น.พ.-24 18:00:00	37.23458099	6.900491238	142.1970825	4.361666203
11-น.พ.-24 19:00:00	35.16813278	6.903671741	142.0185852	4.329530716
11-น.พ.-24 20:00:00	33.03590775	6.906851768	141.8400879	4.400134563
11-น.พ.-24 21:00:00	29.52719307	6.926074505	843.2619019	6.0713377
11-น.พ.-24 22:00:00	29.39139748	7.390694141	866.1166382	6.437198639
11-น.พ.-24 23:00:00	29.25560188	7.447724819	862.3456421	6.459962845
12-น.พ.-24 00:00:00	29.06994247	7.425139427	858.574585	6.375515461
12-น.พ.-24 01:00:00	28.7766819	7.402553558	854.8035889	6.282811642
12-น.พ.-24 02:00:00	28.48341942	7.379968166	851.0325928	6.234583378
12-น.พ.-24 03:00:00	28.19015884	7.354938507	847.2615967	6.262383938
12-น.พ.-24 04:00:00	27.80413055	7.307911873	843.4906006	6.027804852
12-น.พ.-24 05:00:00	26.59588432	6.979546547	762.0574951	4.450208664
12-น.พ.-24 06:00:00	25.38764	6.884850025	370.9259338	3.80154705
12-น.พ.-24 07:00:00	24.51132011	6.943614006	184.6399841	4.209772587
12-น.พ.-24 08:00:00	24.00629807	6.938341618	150.7600098	4.231481552
12-น.พ.-24 09:00:00	24.35538292	6.933069229	149.6256104	4.287741661
12-น.พ.-24 10:00:00	27.62186432	6.927796841	148.4911957	4.126870155
12-น.พ.-24 11:00:00	31.4967804	6.922524452	147.3567963	4.052837849
12-น.พ.-24 12:00:00	35.10546875	6.917252064	146.2223816	3.981783867
12-น.พ.-24 13:00:00	38.08867645	6.911979675	145.0879822	3.887934446
12-น.พ.-24 14:00:00	39.45752335	6.906707287	143.9535675	3.867592573
12-น.พ.-24 15:00:00	39.61955261	6.902225971	142.8191681	3.894309998
12-น.พ.-24 16:00:00	39.66318512	6.899997711	141.8205109	3.966691971
12-น.พ.-24 17:00:00	39.04075241	6.897769928	141.6082764	3.918621302
12-น.พ.-24 18:00:00	37.56778336	6.895542145	141.3960571	3.947885513
12-น.พ.-24 19:00:00	35.30007935	6.893313885	141.1838379	3.972354174
12-น.พ.-24 20:00:00	32.95912933	6.891086102	140.9716187	4.039960384
12-น.พ.-24 21:00:00	30.94316101	6.866866112	140.7593842	4.153725147
12-น.พ.-24 22:00:00	28.7301445	7.875527859	881.8588257	7.715295315
12-น.พ.-24 23:00:00	28.57892036	8.131731987	888.1055908	7.50266695
13-น.พ.-24 00:00:00	29.056452751	8.056452751	863.1625977	7.279201031
13-น.พ.-24 01:00:00	26.41204262	7.132876873	294.8184204	4.212960243
13-น.พ.-24 02:00:00	24.89751816	6.921152592	166.6370087	4.150015354
13-น.พ.-24 03:00:00	23.84776115	6.906962395	155.5237427	4.44756794
13-น.พ.-24 04:00:00	22.83720779	6.892772198	146.7764893	4.336307049
13-น.พ.-24 05:00:00	21.84086609	6.878582001	145.802948	4.364938736
13-น.พ.-24 06:00:00	21.17143059	6.887290955	144.829422	4.383622169

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
13-น.พ.-24 07:00:00	20.50199318	6.895281315	143.8558807	4.407231808
13-น.พ.-24 08:00:00	20.75811958	6.8919487	142.8823547	4.347807884
13-น.พ.-24 09:00:00	22.06147766	6.888615608	141.9088287	4.368480682
13-น.พ.-24 10:00:00	26.45380592	6.885282993	140.9352875	4.386365414
13-น.พ.-24 11:00:00	31.1423645	6.881949902	139.9617615	4.398585796
13-น.พ.-24 12:00:00	35.37590027	6.880247593	139.2827148	4.255813599
13-น.พ.-24 13:00:00	38.70730972	6.879376411	139.0773773	4.338787556
13-น.พ.-24 14:00:00		6.87850523	138.8720398	4.20070982
13-น.พ.-24 15:00:00		6.877633572	138.6667175	4.281266689
13-น.พ.-24 16:00:00		6.87676239	138.46138	4.198480129
13-น.พ.-24 17:00:00		6.875890732	138.2560577	4.256911278
13-น.พ.-24 18:00:00	38.86650467	6.87501955	138.0507202	4.173213959
13-น.พ.-24 19:00:00	36.78959274	6.874148369	137.8453979	4.258110046
13-น.พ.-24 20:00:00	28.90355682	7.264239788	827.8848267	6.48143816
13-น.พ.-24 21:00:00	28.92241859	7.734751225	826.390564	7.201064587
13-น.พ.-24 22:00:00	28.86253738	7.784957886	824.8963013	6.27870636
13-น.พ.-24 23:00:00	28.69177818	7.723730087	823.4019775	6.47702837
14-น.พ.-24 00:00:00	28.52101898	7.656088352	821.9077148	6.269370079
14-น.พ.-24 01:00:00	28.35025787	7.58844614	820.4133911	6.159287453
14-น.พ.-24 02:00:00	28.17949867	7.520804405	818.9191284	6.018237114
14-น.พ.-24 03:00:00	28.00873947	7.453162193	817.4248657	5.995337009
14-น.พ.-24 04:00:00	27.17135239	7.335811615	806.0446777	5.368197441
14-น.พ.-24 05:00:00	25.7698822	7.073886871	774.2860718	4.473014832
14-น.พ.-24 06:00:00	24.39930916	6.995524406	274.8173218	4.159834862
14-น.พ.-24 07:00:00	23.38811684	6.9728508	174.7224579	4.342576981
14-น.พ.-24 08:00:00	23.0287056	6.950176716	149.9703369	4.511650085
14-น.พ.-24 09:00:00	23.7532711	6.938882828	138.3146667	4.618410567
14-น.พ.-24 10:00:00	27.94884682	6.93224287	137.6255951	4.466830254
14-น.พ.-24 11:00:00	32.48859406	6.925602913	137.3475189	4.481184006
14-น.พ.-24 12:00:00	36.59568024	6.918963432	137.0694275	4.560567856
14-น.พ.-24 13:00:00		6.912323475	136.7913361	4.5209198
14-น.พ.-24 14:00:00		6.905683994	136.5132446	4.163199425
14-น.พ.-24 15:00:00		6.899044037	136.2351532	4.251698494
14-น.พ.-24 16:00:00		6.895439148	135.9570618	4.254879475
14-น.พ.-24 17:00:00		6.892953396	135.7550201	4.193529606
14-น.พ.-24 18:00:00	39.968853	6.890468121	136.1699677	4.277431965
14-น.พ.-24 19:00:00	37.85274124	6.887982368	136.5848999	4.344109535
14-น.พ.-24 20:00:00	35.88150406	6.885496616	136.9998474	4.527755737
14-น.พ.-24 21:00:00	34.23740387	6.883011341	137.4147797	4.492592812
14-น.พ.-24 22:00:00	32.59329987	6.880525589	137.8297272	4.559093475
14-น.พ.-24 23:00:00	28.82485962	7.315787315	827.9981689	6.953847885
15-น.พ.-24 00:00:00	29.0747757	7.792384624	868.9760132	7.708622456
15-น.พ.-24 01:00:00	28.94381142	7.881439686	885.2702026	7.300180912
15-น.พ.-24 02:00:00	28.81284904	7.858253956	885.4428711	6.950846672
15-น.พ.-24 03:00:00	28.68188667	7.832197666	885.6154785	6.696509838
15-น.พ.-24 04:00:00	28.5509243	7.762029648	885.788147	6.448416233
15-น.พ.-24 05:00:00	28.41996193	7.691861153	885.9607544	6.334988594
15-น.พ.-24 06:00:00	28.56479263	7.62141037	808.4414063	6.776204109
15-น.พ.-24 07:00:00	27.57186508	7.326822281	784.8431396	5.438135624
15-น.พ.-24 08:00:00	27.05113602	7.053474903	316.1281738	4.311793804
15-น.พ.-24 09:00:00	27.42307854	6.980006695	141.8309631	4.340634823
15-น.พ.-24 10:00:00	30.68570137	6.93149662	138.9130859	4.191604137
15-น.พ.-24 11:00:00	29.51617432	7.203257561	787.5097046	5.790016651
15-น.พ.-24 12:00:00	35.19109344	6.954199314	137.8899841	3.832254648
15-น.พ.-24 13:00:00	39.33620071	6.908186436	137.3964844	3.708071232
15-น.พ.-24 14:00:00		6.90230608	136.9029694	3.718455553
15-น.พ.-24 15:00:00		6.896425247	136.4094696	3.572025776
15-น.พ.-24 16:00:00		6.890544415	135.9159546	3.701158047
15-น.พ.-24 17:00:00		6.884663582	135.4224548	3.807667494

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
15-n.พ.-24 18:00:00		6.878782749	134.9289551	3.891981125
15-n.พ.-24 19:00:00	39.07905197	6.872916698	134.4354401	3.913911343
15-n.พ.-24 20:00:00	37.29798126	6.870553017	134.1385498	4.07982254
15-n.พ.-24 21:00:00	29.58174515	7.056035519	784.2781372	5.49702692
15-n.พ.-24 22:00:00	30.22033119	7.651013851	792.718811	6.816391945
15-n.พ.-24 23:00:00	30.15995789	7.74341011	795.30896	6.675134659
16-n.พ.-24 00:00:00	30.09958267	7.740687847	797.8991089	6.254537106
16-n.พ.-24 01:00:00	30.03920746	7.659206867	800.4892578	6.025149822
16-n.พ.-24 02:00:00	29.97883415	7.57772541	803.0794678	5.876864433
16-n.พ.-24 03:00:00	29.91845894	7.496243954	801.7662964	5.738201618
16-n.พ.-24 04:00:00	29.85808372	7.414762974	797.7593994	5.693978786
16-n.พ.-24 05:00:00	29.36010361	7.234181404	793.7525024	5.078900337
16-n.พ.-24 06:00:00	28.35068321	6.900188446	715.1012573	4.303337097
16-n.พ.-24 07:00:00	27.39759064	6.801611423	258.368988	4.059143066
16-n.พ.-24 08:00:00	27.09967041	6.900006294	150.7926636	4.14454937
16-n.พ.-24 09:00:00	27.83041763	6.899965763	137.3675537	4.284519196
16-n.พ.-24 10:00:00	31.53070068	6.897106171	136.7790985	4.170800686
16-n.พ.-24 11:00:00	35.42748642	6.894246101	136.1906281	4.190441608
16-n.พ.-24 12:00:00	38.95238495	6.890798569	133.6021576	4.096794605
16-n.พ.-24 13:00:00		6.887344837	133.0136871	4.284142971
16-n.พ.-24 14:00:00		6.883891582	134.4252167	4.079986095
16-n.พ.-24 15:00:00		6.880437851	133.8367462	3.929494381
16-n.พ.-24 16:00:00		6.876984596	133.2482758	4.177481651
16-n.พ.-24 17:00:00		6.873531342	133.1659851	4.189333439
16-n.พ.-24 18:00:00		6.87007761	133.1198425	4.215184689
16-n.พ.-24 19:00:00	39.17504501	6.865565777	133.0737	4.264644623
16-n.พ.-24 20:00:00	37.36439896	6.853918552	133.0275726	4.217596531
16-n.พ.-24 21:00:00	35.64574814	6.842271328	132.9814301	4.233344555
16-n.พ.-24 22:00:00	34.0718689	6.830624104	132.9352875	4.285923481
16-n.พ.-24 23:00:00	32.53902054	6.818976879	132.8891449	4.351502419
17-n.พ.-24 00:00:00	31.446558	6.807329655	132.8426819	4.395452023
17-n.พ.-24 01:00:00	30.45204544	6.748748779	132.7920685	4.422684669
17-n.พ.-24 02:00:00	29.55132675	6.68527174	132.7414398	4.356369019
17-n.พ.-24 03:00:00	28.86945534	6.622149944	132.6908264	4.583984852
17-n.พ.-24 04:00:00	28.18758392	6.564704418	132.640213	4.470716953
17-n.พ.-24 05:00:00	27.65669441	6.56240654	132.5895996	4.396948338
17-n.พ.-24 06:00:00	27.36167526	6.6130023	132.5389709	4.442820549
17-n.พ.-24 07:00:00	27.06665611	6.571691036	132.4883575	4.458377784
17-n.พ.-24 08:00:00	27.34289932	6.669371605	132.4581146	4.41265583
17-n.พ.-24 09:00:00	28.41367149	6.858067513	132.5021515	4.412824154
17-n.พ.-24 10:00:00	31.35399055	6.87400198	132.5461884	4.277799606
17-n.พ.-24 11:00:00	34.85046387	6.889936447	132.5902252	4.665164471
17-n.พ.-24 12:00:00	37.60503006	6.893309593	132.6342621	4.603162289
17-n.พ.-24 13:00:00	38.94272232	6.892243385	132.678299	4.536233425
17-n.พ.-24 14:00:00	39.92747879	6.891177177	132.7223206	4.205708504
17-n.พ.-24 15:00:00		6.89011097	132.7663574	4.280039787
17-n.พ.-24 16:00:00		6.889044762	134.0072937	4.177261829
17-n.พ.-24 17:00:00	39.34672165	6.860169411	782.3557129	
17-n.พ.-24 18:00:00	31.93050003	6.968485832	804.8981323	
17-n.พ.-24 19:00:00	29.30929756	6.875383377	809.5673218	
17-n.พ.-24 20:00:00	28.30273247	6.781071663	814.2364502	
17-n.พ.-24 21:00:00	30.98583984	7.563794613	771.0829468	6.765503883
17-n.พ.-24 22:00:00	31.16968536	7.74975729	774.088623	6.612148285
17-n.พ.-24 23:00:00	31.07390213	7.763371468	777.0943604	6.386315823
18-n.พ.-24 00:00:00	30.96296883	7.743454456	780.1000977	6.155591965
18-n.พ.-24 01:00:00	30.85203362	7.672059059	782.2597656	5.954496861
18-n.พ.-24 02:00:00	30.74110031	7.600663662	782.809021	5.896918774
18-n.พ.-24 03:00:00	30.63016701	7.529268265	783.3583374	5.751390934
18-n.พ.-24 04:00:00	30.5192337	7.457872868	783.9075928	5.660536766

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
18-n.พ.-24 05:00:00	30.22137642	7.302670479	784.4569092	3.327980042
18-n.พ.-24 06:00:00	29.40946579	7.047652245	785.0061646	3.134450197
18-n.พ.-24 07:00:00	28.59755707	6.85291481	785.555481	2.91533947
18-n.พ.-24 08:00:00	28.45271873	6.832208157	786.1047363	2.635374069
18-n.พ.-24 09:00:00	29.5322094	6.982432842	786.97052	
18-n.พ.-24 10:00:00	31.70635796	6.949854374	788.1708374	
18-n.พ.-24 11:00:00	34.46681976	6.917275906	789.3711548	
18-n.พ.-24 12:00:00	36.83055115	6.884697437	790.5715332	
18-n.พ.-24 13:00:00		6.86902523	791.7718506	
18-n.พ.-24 14:00:00		6.863986015	792.972168	
18-n.พ.-24 15:00:00		6.858947277	794.1724854	
18-n.พ.-24 16:00:00		6.853908539	795.3728027	
18-n.พ.-24 17:00:00	38.65459061	6.852279663	795.4675903	
18-n.พ.-24 18:00:00	36.16132736	6.860030174	794.9298706	
18-n.พ.-24 19:00:00	33.57215881	6.867780685	794.3921509	
18-n.พ.-24 20:00:00	32.00517654	6.875531197	793.8544312	
18-n.พ.-24 21:00:00	30.70633125	7.068134308	772.1487427	4.751579762
18-n.พ.-24 22:00:00	31.09140396	8.246196747	800.4458008	6.724365234
18-n.พ.-24 23:00:00	31.07110405	7.659196854	815.510437	6.532485008
19-n.พ.-24 00:00:00	30.98879051	7.439273834	815.7537842	6.191275597
19-n.พ.-24 01:00:00	30.90647507	7.348708153	815.9971924	5.89038229
19-n.พ.-24 02:00:00	30.82416153	7.29130888	816.2405396	5.632623196
19-n.พ.-24 03:00:00	30.74184799	7.243746281	816.4839478	5.305597782
19-n.พ.-24 04:00:00	30.65953445	7.221408844	816.7272949	5.159048557
19-n.พ.-24 05:00:00	30.57721901	7.19907093	816.9707031	4.978475571
19-n.พ.-24 06:00:00	30.48837471	7.133098602	817.2140503	4.784492016
19-n.พ.-24 07:00:00	30.03463745	7.017636299	818.6010742	2.613045454
19-n.พ.-24 08:00:00	29.27008057	6.850447178	820.4946289	2.907896042
19-n.พ.-24 09:00:00	29.66990662	6.853716373	822.3881836	2.403380871
19-n.พ.-24 10:00:00	32.65817642	6.854014397	824.2817383	
19-n.พ.-24 11:00:00	36.92578125	6.822784901	826.175293	
19-n.พ.-24 12:00:00	38.66241074	6.798837185	828.0688477	
19-n.พ.-24 13:00:00		6.801655293	829.9624023	
19-n.พ.-24 14:00:00		6.8044734	831.855957	
19-n.พ.-24 15:00:00		6.807291508	831.8792725	
19-n.พ.-24 16:00:00		6.810109615	831.3065796	
19-n.พ.-24 17:00:00		6.812927723	830.7338867	
19-n.พ.-24 18:00:00	37.86889648	6.818584919	830.1611938	
19-n.พ.-24 19:00:00	34.71868896	6.826438427	829.5884399	
19-n.พ.-24 20:00:00	32.54270935	6.834291458	829.0157471	
19-n.พ.-24 21:00:00	31.13859558	7.450966358	779.68927	5.954129219
19-n.พ.-24 22:00:00	31.47263718	8.156193733	765.3538208	6.536420345
19-n.พ.-24 23:00:00	31.35093689	7.738212109	770.0881348	6.154550076
20-n.พ.-24 00:00:00	31.21553993	7.629947186	774.8224487	5.883229256
20-n.พ.-24 01:00:00	31.08014107	7.521681786	776.8590088	5.570809841
20-n.พ.-24 02:00:00	30.94474411	7.413416386	777.7848511	5.332157135
20-n.พ.-24 03:00:00	30.80934715	7.305151463	778.7106323	5.179899693
20-n.พ.-24 04:00:00	30.11637497	7.030941486	779.6364136	2.431941032
20-n.พ.-24 05:00:00	29.0495472	6.883843422	780.5622559	2.021810055
20-n.พ.-24 06:00:00	27.98271751	6.754827023	781.4880371	
20-n.พ.-24 07:00:00	27.32210732	6.650274754	782.4138794	
20-n.พ.-24 08:00:00	27.67017746	6.637290001	783.3396606	
20-n.พ.-24 09:00:00	28.81438065	6.773506165	784.6156616	
20-n.พ.-24 10:00:00	31.81732559	6.792459488	785.9522095	
20-n.พ.-24 11:00:00	34.75083923	6.790130138	787.2886963	
20-n.พ.-24 12:00:00	37.07164383	6.787800789	788.6251831	
20-n.พ.-24 13:00:00		6.785471439	789.9616699	
20-n.พ.-24 14:00:00		6.783142567	791.2981537	
20-n.พ.-24 15:00:00		6.780813217	792.6346436	

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
20-n.พ.-24 16:00:00		6.778483868	793.9711914	
20-n.พ.-24 17:00:00	39.41407394	6.776154518	793.2700806	
20-n.พ.-24 18:00:00	37.38824081	6.776406288	792.2667236	
20-n.พ.-24 19:00:00	35.09368896	6.782602787	791.2633667	
20-n.พ.-24 20:00:00	33.32543182	6.788798809	790.2600098	
20-n.พ.-24 21:00:00	31.02147865	6.862190723	778.8696289	
20-n.พ.-24 22:00:00	30.59130096	6.781666756	781.3419189	
20-n.พ.-24 23:00:00	31.23908997	7.911188126	816.1899414	6.777829647
21-n.พ.-24 00:00:00	31.11931229	8.063126564	826.9533081	6.690276623
21-n.พ.-24 01:00:00	30.99953651	7.796505928	820.4946289	6.162798405
21-n.พ.-24 02:00:00	30.87976074	7.630532742	827.7109375	5.844379425
21-n.พ.-24 03:00:00	30.75998497	7.508842468	834.9271851	5.633162975
21-n.พ.-24 04:00:00	30.6402092	7.387152672	837.5521851	5.462023735
21-n.พ.-24 05:00:00	30.52043343	7.309127808	839.2953491	5.402902126
21-n.พ.-24 06:00:00	30.40065575	7.249083996	841.0385132	5.316418171
21-n.พ.-24 07:00:00	29.71295738	7.012560368	842.7816772	3.594821453
21-n.พ.-24 08:00:00	29.42452812	6.87693119	844.5248413	3.266492844
21-n.พ.-24 09:00:00	30.05051422	6.912914276	846.2680054	
21-n.พ.-24 10:00:00	32.80789948	6.851072311	848.0111694	
21-n.พ.-24 11:00:00	36.26524734	6.798771858	849.7543335	
21-n.พ.-24 12:00:00	38.64798737	6.79305172	850.1117554	
21-n.พ.-24 13:00:00		6.785667896	850.3175659	
21-n.พ.-24 14:00:00		6.787279606	850.5233765	
21-n.พ.-24 15:00:00		6.788891315	850.729126	
21-n.พ.-24 16:00:00		6.790503025	850.9349365	
21-n.พ.-24 17:00:00		6.792114735	851.1407471	
21-n.พ.-24 18:00:00	38.36427307	6.793726444	851.3464966	
21-n.พ.-24 19:00:00	35.49753189	6.858449936	394.445282	
21-n.พ.-24 20:00:00	33.58824158	6.837212563	403.220454	
21-n.พ.-24 21:00:00	31.25249481	6.94805336	783.3018188	4.722877979
21-n.พ.-24 22:00:00	31.54312515	7.540358067	769.5262451	5.385861874
21-n.พ.-24 23:00:00	31.5859623	7.695015907	777.1618652	5.359178066
22-n.พ.-24 00:00:00	31.46060181	7.651998043	784.7974854	5.123836994
22-n.พ.-24 01:00:00	31.33524132	7.603415012	792.4331055	4.862248898
22-n.พ.-24 02:00:00	31.20988274	7.526299477	797.0800171	4.77423811
22-n.พ.-24 03:00:00	31.08452225	7.449183941	798.012146	4.727157593
22-n.พ.-24 04:00:00	30.95916176	7.372068405	798.9443359	4.679134369
22-n.พ.-24 05:00:00	30.83380127	7.300188541	799.8764648	4.573421955
22-n.พ.-24 06:00:00	30.70844078	7.241827488	800.8086548	4.560925961
22-n.พ.-24 07:00:00	30.46982765	7.183465958	801.7407837	4.512422085
22-n.พ.-24 08:00:00	30.21319771	7.089722633	802.6729126	
22-n.พ.-24 09:00:00	30.43532753	6.945674419	803.6051025	
22-n.พ.-24 10:00:00	33.24002075	6.871918201	804.8989258	
22-n.พ.-24 11:00:00	35.80135727	6.832983971	806.4424438	
22-n.พ.-24 12:00:00	38.85956955	6.8169384	807.9859009	
22-n.พ.-24 13:00:00		6.821541786	809.5293579	
22-n.พ.-24 14:00:00		6.826144695	811.0728149	
22-n.พ.-24 15:00:00		6.830748081	812.616333	
22-n.พ.-24 16:00:00		6.83535099	814.15979	
22-n.พ.-24 17:00:00		6.812106133	132.2135925	2.280699015
22-n.พ.-24 18:00:00		6.79255867	128.7222595	2.719384909
22-n.พ.-24 19:00:00	38.73354721	6.785950184	125.8719864	2.874365568
22-n.พ.-24 20:00:00	36.2136879	6.784944057	126.1335449	2.750161171
22-n.พ.-24 21:00:00	34.37683105	6.76540041	126.3950958	2.840518475
22-n.พ.-24 22:00:00	31.42780876	7.332130909	929.642395	4.97217226
22-n.พ.-24 23:00:00	31.81401062	7.86105442	949.1075439	5.416727543
23-n.พ.-24 00:00:00	31.73569679	7.974732876	952.5541382	5.293832779
23-n.พ.-24 01:00:00	31.65738487	7.957213879	956.0006714	5.06621027
23-n.พ.-24 02:00:00	31.57907295	7.89839983	954.6258545	4.954800606

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*Remark

Copy จากหน้า PI มกราคมเป็น value

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
23-n.พ.-24 03:00:00	31.50076103	7.839585781	951.211792	4.785713196
23-n.พ.-24 04:00:00	31.42244911	7.780750751	947.7977295	4.708585739
23-n.พ.-24 05:00:00	31.34413528	7.72104311	944.383667	4.613799095
23-n.พ.-24 06:00:00	31.26582336	7.661335468	940.9695435	4.551911354
23-n.พ.-24 07:00:00	31.24967003	7.60162735	937.555481	4.451085091
23-n.พ.-24 08:00:00	31.31298447	7.562688828	934.1414185	4.472530842
23-n.พ.-24 09:00:00	31.65909767	7.398582458	930.727356	2.991627455
23-n.พ.-24 10:00:00	33.66270065	7.235603333	931.508606	2.127841711
23-n.พ.-24 11:00:00	35.2412529	7.135380745	933.0301514	
23-n.พ.-24 12:00:00	37.40987015	7.095826149	934.5516968	
23-n.พ.-24 13:00:00		7.064140797	936.0732422	
23-n.พ.-24 14:00:00		7.057731628	937.5948486	
23-n.พ.-24 15:00:00		7.051321983	939.116394	
23-n.พ.-24 16:00:00		7.044912338	940.6379395	
23-n.พ.-24 17:00:00		7.03850317	942.1594849	
23-n.พ.-24 18:00:00		7.032093525	1.42391938	
23-n.พ.-24 19:00:00	38.27199936	6.838804722	1.430242419	3.135157108
23-n.พ.-24 20:00:00	34.72371674	7.082602978	934.8701782	4.673566341
23-n.พ.-24 21:00:00	32.87191391	7.075073242	926.819397	5.069578171
23-n.พ.-24 22:00:00	31.66889763	8.419189453	807.578064	6.38593399
23-n.พ.-24 23:00:00	31.82678032	7.149074078	779.6658325	6.375298023
24-n.พ.-24 00:00:00	31.633564	7.067718983	780.4550171	6.075079918
24-n.พ.-24 01:00:00	31.44034767	7.106904507	781.2442017	5.914740086
24-n.พ.-24 02:00:00	31.24713135	7.146090031	782.0333252	5.664172173
24-n.พ.-24 03:00:00	30.78903961	7.098540783	782.8225098	4.657915115
24-n.พ.-24 04:00:00	29.91470528	7.065095901	783.6116943	4.002880096
24-n.พ.-24 05:00:00	29.37402153	7.03165102	784.4008179	3.738790035
24-n.พ.-24 06:00:00	28.93410492	7.008449554	787.0823364	3.98871088
24-n.พ.-24 07:00:00	28.72643471	6.991466999	789.8346558	3.755730391
24-n.พ.-24 08:00:00	28.9693718	6.974484921	792.5870361	3.17120719
24-n.พ.-24 09:00:00	30.93663597	6.957502842	795.3394165	2.875980377
24-n.พ.-24 10:00:00	35.48415756	6.931751728	798.0917358	3.098548174
24-n.พ.-24 11:00:00	36.24646378	6.900452614	800.8441162	
24-n.พ.-24 12:00:00	38.44965363	6.8691535	803.5964966	
24-n.พ.-24 13:00:00		6.837854862	806.0466919	
24-n.พ.-24 14:00:00		6.806555748	806.079895	
24-n.พ.-24 15:00:00		6.775256634	806.1130981	
24-n.พ.-24 16:00:00		6.743957996	806.1462402	
24-n.พ.-24 17:00:00		6.739516735	806.1794434	
24-n.พ.-24 18:00:00		6.743829727	806.2126465	
24-n.พ.-24 19:00:00	37.28564835	6.748142719	806.2457886	
24-n.พ.-24 20:00:00	35.13322449	6.752456188	806.2789917	
24-n.พ.-24 21:00:00	33.13637161	6.75676918	803.6918335	
24-n.พ.-24 22:00:00	31.92663383	8.441656113	831.6436768	6.468009949
24-n.พ.-24 23:00:00	31.95228577	7.997367382	842.4689331	6.36862278
25-n.พ.-24 00:00:00	31.84819412	7.664085865	842.5391235	6.174300194
25-n.พ.-24 01:00:00	31.74410248	7.606193066	842.609375	5.961882114
25-n.พ.-24 02:00:00	31.64001274	7.552191734	842.6796265	5.829314709
25-n.พ.-24 03:00:00	31.5359211	7.527657032	842.7498779	5.73724699
25-n.พ.-24 04:00:00	31.43182945	7.503121853	842.801294	5.680498123
25-n.พ.-24 05:00:00	31.32773781	7.478586674	842.8903809	5.607273579
25-n.พ.-24 06:00:00	31.22364616	7.454051495	842.9606323	5.583595753
25-n.พ.-24 07:00:00	30.864151	7.369067192	843.7416382	4.86675787
25-n.พ.-24 08:00:00	30.14458275	7.302210808	847.1566772	4.336522102
25-n.พ.-24 09:00:00	30.54664803	7.235354424	850.5716553	3.781621456
25-n.พ.-24 10:00:00	32.29662323	7.168498039	853.9866943	3.185595036
25-n.พ.-24 11:00:00	34.09872055	7.103455544	857.4016724	2.881159544
25-n.พ.-24 12:00:00	36.25538254	7.050205708	860.8167114	2.27599144
25-n.พ.-24 13:00:00		6.996955395	864.2316895	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
25-น.พ.-24 14:00:00		6.960333347	867.6467285	
25-น.พ.-24 15:00:00		6.936427593	870.0072632	
25-น.พ.-24 16:00:00		6.912521839	870.4796143	
25-น.พ.-24 17:00:00		6.888616562	870.9520264	
25-น.พ.-24 18:00:00	37.9050293	6.87515974	871.4243774	
25-น.พ.-24 19:00:00	35.70199966	6.87737608	871.8967285	
25-น.พ.-24 20:00:00	33.87779617	6.879592419	872.3690796	
25-น.พ.-24 21:00:00	31.70543289	7.54886961	796.8244629	5.204410076
25-น.พ.-24 22:00:00	31.78666115	7.283965588	755.9141846	6.300811768
25-น.พ.-24 23:00:00	31.76530647	7.285895824	744.6691895	6.116499901
26-น.พ.-24 00:00:00	31.60750008	7.272491455	746.3013306	5.843081951
26-น.พ.-24 01:00:00	31.44969559	7.256051064	747.9334106	5.5766325
26-น.พ.-24 02:00:00	31.29188919	7.239610195	749.5654907	5.471113205
26-น.พ.-24 03:00:00	31.1340847	7.215882301	751.1976318	5.442916393
26-น.พ.-24 04:00:00	30.55684853	6.992156029	752.8297119	3.626394987
26-น.พ.-24 05:00:00	29.63836098	6.92809248	754.461853	3.208910704
26-น.พ.-24 06:00:00	28.78665161	6.899303436	756.0939331	3.333808899
26-น.พ.-24 07:00:00	28.24674416	6.870514393	758.4147949	3.45082593
26-น.พ.-24 08:00:00	28.39964485	6.841725349	761.4398804	3.154482841
26-น.พ.-24 09:00:00	30.10852432	6.812935829	764.4649658	2.50781846
26-น.พ.-24 10:00:00	35.77279663	6.784146786	767.4900513	2.077858448
26-น.พ.-24 11:00:00		6.735810757	770.5151367	
26-น.พ.-24 12:00:00		6.670841217	773.5402222	
26-น.พ.-24 13:00:00		6.614688873	776.5653687	
26-น.พ.-24 14:00:00		6.609044075	779.5904541	
26-น.พ.-24 15:00:00		6.603399277	778.8267822	
26-น.พ.-24 16:00:00		6.597754478	777.9714966	
26-น.พ.-24 17:00:00		6.59210968	777.1162109	
26-น.พ.-24 18:00:00	39.11805344	6.586464882	776.2609253	
26-น.พ.-24 19:00:00	36.217453	6.580820084	775.4056396	
26-น.พ.-24 20:00:00	34.0353508	6.575175285	774.550354	
26-น.พ.-24 21:00:00	32.51438904	6.57024765	773.6950684	
26-น.พ.-24 22:00:00	32.04149628	8.371360779	786.9981079	6.558510303
26-น.พ.-24 23:00:00	31.89991188	7.62124157	795.5949707	6.526432514
27-น.พ.-24 00:00:00	31.75832939	7.389180183	796.7617798	6.251644135
27-น.พ.-24 01:00:00	31.6167469	7.340708733	797.9285889	6.051930428
27-น.พ.-24 02:00:00	31.47516251	7.324968815	799.0953979	6.013769627
27-น.พ.-24 03:00:00	31.33358002	7.30922842	800.262207	5.80136013
27-น.พ.-24 04:00:00	31.19199753	7.293488503	801.4290161	5.681476116
27-น.พ.-24 05:00:00	31.05041313	7.277748585	802.5958252	5.721859455
27-น.พ.-24 06:00:00	30.88520432	7.26200819	803.7626343	5.734159946
27-น.พ.-24 07:00:00	30.64911461	7.250855923	805.8929443	5.689039707
27-น.พ.-24 08:00:00	30.4130249	7.16428566	808.4990845	4.825695515
27-น.พ.-24 09:00:00	30.71442223	7.06341362	811.1051636	4.294956207
27-น.พ.-24 10:00:00	33.71547699	6.96254158	813.7112427	3.335939884
27-น.พ.-24 11:00:00	36.22594452	6.885108948	816.3173218	2.343570709
27-น.พ.-24 12:00:00	38.95267868	6.817800522	815.2983398	
27-น.พ.-24 13:00:00		6.801412106	817.081604	

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*Remark

Copy จากหน้า PI มากรงเป็น value

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
27-น.พ.-24 14:00:00		6.759008408	818.8649292	
27-น.พ.-24 15:00:00		6.716605186	820.6481934	
27-น.พ.-24 16:00:00		6.674201488	822.4315186	
27-น.พ.-24 17:00:00		6.664890766	824.2148438	
27-น.พ.-24 18:00:00		6.746464729	825.9981079	
27-น.พ.-24 19:00:00	37.10806656	6.723678589	823.6113281	
27-น.พ.-24 20:00:00	34.88681412	6.740327358	820.9661255	
27-น.พ.-24 21:00:00	31.76800537	8.430110931	728.588562	6.37139082
27-น.พ.-24 22:00:00	31.84855461	7.752515793	716.5024414	6.549224854
27-น.พ.-24 23:00:00	31.80827522	7.616939545	711.9277344	6.211941719
28-น.พ.-24 00:00:00	31.65744972	7.557344913	711.5778198	5.934898376
28-น.พ.-24 01:00:00	31.50662613	7.487468243	715.31427	5.747102261
28-น.พ.-24 02:00:00	31.35580063	7.417591572	719.0507202	5.637526989
28-น.พ.-24 03:00:00	31.20497704	7.347714901	722.7871704	5.510003567
28-น.พ.-24 04:00:00	31.05415154	7.294965744	726.5236206	5.377496243
28-น.พ.-24 05:00:00	30.90332794	7.262686729	730.2600708	5.384915352
28-น.พ.-24 06:00:00	30.75250244	7.230407715	733.996521	5.415897369
28-น.พ.-24 07:00:00	30.38059616	7.1981287	737.7329712	5.40604496
28-น.พ.-24 08:00:00	30.17822647	6.940701962	740.9515991	2.92416811
28-น.พ.-24 09:00:00	30.88200188	6.876959801	743.8999023	2.34972477
28-น.พ.-24 10:00:00	33.45838547	6.81321764	746.8482056	
28-น.พ.-24 11:00:00	37.28755188	6.754896641	749.7965088	
28-น.พ.-24 12:00:00		6.712719917	752.744812	
28-น.พ.-24 13:00:00		6.670542717	755.6931152	
28-น.พ.-24 14:00:00		6.628365993	758.6414185	
28-น.พ.-24 15:00:00		6.602036953	760.2259521	
28-น.พ.-24 16:00:00		6.60212183	758.7510986	
28-น.พ.-24 17:00:00		6.606429577	757.2763062	
28-น.พ.-24 18:00:00		6.628705978	755.8014526	
28-น.พ.-24 19:00:00	36.92951965	6.640152931	754.3266602	
28-น.พ.-24 20:00:00	34.25056839	6.613594532	752.8518066	
28-น.พ.-24 21:00:00	31.52481079	8.163009644	829.616333	5.747864246
28-น.พ.-24 22:00:00	31.74089432	7.824046612	911.7301636	6.717195034
28-น.พ.-24 23:00:00	31.65847778	7.356105804	922.7681274	6.348423481
29-น.พ.-24 00:00:00	31.46693993	7.351424217	926.0968628	6.063541889
29-น.พ.-24 01:00:00	31.21664619	7.362610817	929.4256592	5.794025898
29-น.พ.-24 02:00:00	30.76243973	7.231488705	932.7544556	3.212061405
29-น.พ.-24 03:00:00	29.91288185	7.171118259	936.0831909	2.602538347
29-น.พ.-24 04:00:00	29.06332397	7.117754936	939.4119873	2.722203493
29-น.พ.-24 05:00:00	28.58449364	7.089932919	942.7407837	2.674395323
29-น.พ.-24 06:00:00	28.14059258	7.062110424	946.069519	2.729235411
29-น.พ.-24 07:00:00	27.69668961	7.034288406	947.5575562	2.303212881
29-น.พ.-24 08:00:00	28.33289719	7.006465912	949.0090332	2.204999685
29-น.พ.-24 09:00:00	30.54037094	6.968009949	950.4605103	
29-น.พ.-24 10:00:00	35.20752716	6.798755169	951.979187	
29-น.พ.-24 11:00:00	39.38347244	6.757269859	953.5913086	
29-น.พ.-24 12:00:00		6.752382278	955.2034912	
29-น.พ.-24 13:00:00		6.747494221	956.8156128	
29-น.พ.-24 14:00:00		6.71242857	127.6295929	2.437139511
29-น.พ.-24 15:00:00		6.732984543	127.1552582	2.580768585
29-น.พ.-24 16:00:00		6.737722397	126.6809235	2.6402843
29-น.พ.-24 17:00:00		6.742460251	126.2065887	2.561175585
29-น.พ.-24 18:00:00	38.81083298	6.747198582	125.732254	2.676714659
29-น.พ.-24 19:00:00	35.00050354	6.751936436	125.2579193	2.78194809
29-น.พ.-24 20:00:00	33.07963943	6.75667429	124.7835846	2.711122274
29-น.พ.-24 21:00:00	32.01723099	7.479721546	804.460083	5.843165874
29-น.พ.-24 22:00:00	32.26514053	7.962086678	752.071228	6.775865555
29-น.พ.-24 23:00:00	32.13203812	7.428613186	742.2767944	6.46243906
01-มี.ค.-24 00:00:00	31.9668026	7.312036514	743.9692383	6.206863403

March-24

*Remark

Copy จากหน้า PI กรงเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
01-มี.ค.-24 00:00:00	31.97	7.31	743.97	6.21
01-มี.ค.-24 01:00:00	31.80	7.28	745.66	5.96
01-มี.ค.-24 02:00:00	31.64	7.26	747.35	5.74
01-มี.ค.-24 03:00:00	31.47	7.24	749.05	5.68
01-มี.ค.-24 04:00:00	31.31	7.22	750.74	5.52
01-มี.ค.-24 05:00:00	30.54	6.73	134.05	
01-มี.ค.-24 06:00:00	29.57	6.74	127.10	2.54
01-มี.ค.-24 07:00:00	28.74	6.75	123.79	2.79
01-มี.ค.-24 08:00:00	28.73	6.76	124.48	2.94
01-มี.ค.-24 09:00:00	29.74	6.77	125.16	2.87
01-มี.ค.-24 10:00:00	32.13	6.79	125.85	2.79
01-มี.ค.-24 11:00:00	34.66	6.81	127.04	2.75
01-มี.ค.-24 12:00:00	36.99	6.81	126.47	2.65
01-มี.ค.-24 13:00:00		6.80	125.91	2.62
01-มี.ค.-24 14:00:00		6.79	125.34	2.57
01-มี.ค.-24 15:00:00		6.78	124.77	2.56
01-มี.ค.-24 16:00:00		6.78	124.20	2.52
01-มี.ค.-24 17:00:00		6.77	123.64	2.52
01-มี.ค.-24 18:00:00		6.76	123.07	2.59
01-มี.ค.-24 19:00:00	39.50	6.76	122.93	2.65
01-มี.ค.-24 20:00:00	37.70	6.76	123.34	2.66
01-มี.ค.-24 21:00:00	35.90	6.76	123.74	2.68
01-มี.ค.-24 22:00:00	31.96		834.21	7.27
01-มี.ค.-24 23:00:00	32.02	7.70	857.81	7.03
02-มี.ค.-24 00:00:00	31.86	7.25	860.20	6.64
02-มี.ค.-24 01:00:00	31.70	7.21	862.59	6.23
02-มี.ค.-24 02:00:00	31.54	7.22	864.98	6.05
02-มี.ค.-24 03:00:00	31.38	7.22	867.38	5.81
02-มี.ค.-24 04:00:00	31.22	7.23	869.77	5.73
02-มี.ค.-24 05:00:00	30.87	6.79	136.84	2.06
02-มี.ค.-24 06:00:00	30.01	6.74	127.99	
02-มี.ค.-24 07:00:00	29.30	6.75	122.78	2.63
02-มี.ค.-24 08:00:00	29.18	6.76	122.78	2.68
02-มี.ค.-24 09:00:00	29.84	6.78	122.78	2.61
02-มี.ค.-24 10:00:00	32.68	6.79	122.78	2.53
02-มี.ค.-24 11:00:00	34.68	6.80	122.78	2.79
02-มี.ค.-24 12:00:00	37.22	6.79	122.78	2.83
02-มี.ค.-24 13:00:00	38.95	6.78	122.78	2.67
02-มี.ค.-24 14:00:00	39.55	6.78	122.77	2.73
02-มี.ค.-24 15:00:00		6.77	123.18	2.66
02-มี.ค.-24 16:00:00		6.76	123.90	2.52
02-มี.ค.-24 17:00:00		6.75	124.63	2.57
02-มี.ค.-24 18:00:00	39.84	6.75	125.35	2.60
02-มี.ค.-24 19:00:00	38.03	6.74	126.08	2.63
02-มี.ค.-24 20:00:00	36.13	6.74	126.81	2.69
02-มี.ค.-24 21:00:00	34.35	6.74	127.53	2.72
02-มี.ค.-24 22:00:00	31.96	8.26	760.86	6.81
02-มี.ค.-24 23:00:00	31.84	8.43	754.63	6.90
03-มี.ค.-24 00:00:00	31.72	7.05	757.33	6.53
03-มี.ค.-24 01:00:00	31.60	7.03	760.03	6.22
03-มี.ค.-24 02:00:00	31.49	7.05	762.73	6.05
03-มี.ค.-24 03:00:00	31.37	7.07	765.43	5.90
03-มี.ค.-24 04:00:00	31.25	7.10	768.13	5.75
03-มี.ค.-24 05:00:00	31.13	7.12	770.83	5.73
03-มี.ค.-24 06:00:00	30.49	6.95	773.54	3.88
03-มี.ค.-24 07:00:00	29.53	6.89	775.77	3.20
03-มี.ค.-24 08:00:00	29.32	6.85	777.72	2.86
03-มี.ค.-24 09:00:00	30.58	6.82	779.67	2.30

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
03-มี.ค.-24 10:00:00	33.34	6.78	781.63	2.03
03-มี.ค.-24 11:00:00	34.63	6.75	783.58	
03-มี.ค.-24 12:00:00		6.71	785.53	
03-มี.ค.-24 13:00:00		6.66	787.48	
03-มี.ค.-24 14:00:00		6.61	789.43	
03-มี.ค.-24 15:00:00		6.57	789.70	
03-มี.ค.-24 16:00:00		6.54	789.44	
03-มี.ค.-24 17:00:00		6.51	789.19	
03-มี.ค.-24 18:00:00	39.97	6.53	788.94	
03-มี.ค.-24 19:00:00	37.40	6.62	788.69	
03-มี.ค.-24 20:00:00	35.34	6.66	788.43	
03-มี.ค.-24 21:00:00	33.73	6.65	788.18	
03-มี.ค.-24 22:00:00	32.41	6.66	787.93	
03-มี.ค.-24 23:00:00	31.30	6.67	787.82	
04-มี.ค.-24 00:00:00	30.39	6.68	787.73	
04-มี.ค.-24 01:00:00	29.69	6.69	787.64	
04-มี.ค.-24 02:00:00	29.24	6.69	787.55	
04-มี.ค.-24 03:00:00	28.87	6.70	787.46	
04-มี.ค.-24 04:00:00	28.52	6.71	787.37	
04-มี.ค.-24 05:00:00	28.16	6.71	787.28	
04-มี.ค.-24 06:00:00	27.93	6.71	787.23	
04-มี.ค.-24 07:00:00	27.72	6.71	787.86	
04-มี.ค.-24 08:00:00	28.90	6.70	788.48	
04-มี.ค.-24 09:00:00	31.57	6.70	789.11	
04-มี.ค.-24 10:00:00	38.22	6.69	789.74	
04-มี.ค.-24 11:00:00		6.67	790.36	
04-มี.ค.-24 12:00:00		6.66	790.99	
04-มี.ค.-24 13:00:00		6.65	791.62	
04-มี.ค.-24 14:00:00		6.64	792.12	
04-มี.ค.-24 15:00:00		6.63	792.16	
04-มี.ค.-24 16:00:00		6.61	792.19	
04-มี.ค.-24 17:00:00		6.63	792.23	
04-มี.ค.-24 18:00:00	38.67	6.67	792.27	
04-มี.ค.-24 19:00:00	35.31	6.74	792.30	
04-มี.ค.-24 20:00:00	33.13	6.75	792.34	
04-มี.ค.-24 21:00:00	32.25	7.49	743.26	5.08
04-มี.ค.-24 22:00:00	32.51	7.99	739.67	6.63
04-มี.ค.-24 23:00:00	32.56	7.13	738.29	6.48
05-มี.ค.-24 00:00:00	32.50	6.99	740.48	6.26
05-มี.ค.-24 01:00:00	32.43	6.98	742.66	6.09
05-มี.ค.-24 02:00:00	32.37	7.00	744.85	5.89
05-มี.ค.-24 03:00:00	32.30	7.02	747.04	5.75
05-มี.ค.-24 04:00:00	32.24	7.04	749.22	5.65
05-มี.ค.-24 05:00:00	32.17	7.06	751.41	5.50
05-มี.ค.-24 06:00:00	32.11	7.07	753.59	5.45
05-มี.ค.-24 07:00:00	32.08	7.10	755.86	5.36
05-มี.ค.-24 08:00:00	32.07	7.13	758.20	5.42
05-มี.ค.-24 09:00:00	32.06	7.20	760.53	5.53
05-มี.ค.-24 10:00:00	32.11	7.35	762.87	5.76
05-มี.ค.-24 11:00:00	32.29	7.54	765.21	6.04
05-มี.ค.-24 12:00:00	36.94	7.10	767.55	2.14
05-มี.ค.-24 13:00:00	39.82	6.93	769.89	
05-มี.ค.-24 14:00:00		6.81	772.22	
05-มี.ค.-24 15:00:00		6.75	773.02	
05-มี.ค.-24 16:00:00		6.69	773.09	
05-มี.ค.-24 17:00:00		6.65	773.16	
05-มี.ค.-24 18:00:00	39.80	6.63	773.22	
05-มี.ค.-24 19:00:00	37.18	6.66	773.29	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
05-มี.ค.-24 20:00:00	35.07	6.69	773.36	
05-มี.ค.-24 21:00:00	32.58	7.20	745.20	3.11
05-มี.ค.-24 22:00:00	32.53	7.74	774.99	6.56
05-มี.ค.-24 23:00:00	32.48	7.38	780.24	6.55
06-มี.ค.-24 00:00:00	32.43	7.33	781.70	6.34
06-มี.ค.-24 01:00:00	32.38	7.29	783.15	6.13
06-มี.ค.-24 02:00:00	32.34	7.26	784.61	5.89
06-มี.ค.-24 03:00:00	32.29	7.23	786.06	5.70
06-มี.ค.-24 04:00:00	32.24	7.22	787.52	5.68
06-มี.ค.-24 05:00:00	32.19	7.22	788.97	5.49
06-มี.ค.-24 06:00:00	32.15	7.21	790.66	5.40
06-มี.ค.-24 07:00:00	32.11	7.21	792.36	5.37
06-มี.ค.-24 08:00:00	32.06	7.20	794.06	5.27
06-มี.ค.-24 09:00:00	32.02	7.28	795.77	5.46
06-มี.ค.-24 10:00:00	32.11	7.37	797.47	5.56
06-มี.ค.-24 11:00:00	32.51	7.54	799.18	5.82
06-มี.ค.-24 12:00:00	36.56	7.20	800.88	
06-มี.ค.-24 13:00:00		7.04	802.51	
06-มี.ค.-24 14:00:00		6.93	803.21	
06-มี.ค.-24 15:00:00		6.88	803.91	
06-มี.ค.-24 16:00:00		6.84	804.61	
06-มี.ค.-24 17:00:00		6.80	805.31	
06-มี.ค.-24 18:00:00		6.75	806.01	
06-มี.ค.-24 19:00:00	37.59	6.72	806.71	
06-มี.ค.-24 20:00:00	35.64	6.75	807.42	
06-มี.ค.-24 21:00:00	34.05	6.78	807.57	
06-มี.ค.-24 22:00:00	32.43		702.31	5.57
06-มี.ค.-24 23:00:00	32.36	7.18	676.08	6.00
07-มี.ค.-24 00:00:00	32.25	7.34	674.41	5.55
07-มี.ค.-24 01:00:00	32.09	7.33	672.74	5.20
07-มี.ค.-24 02:00:00	31.94	7.29	676.47	5.00
07-มี.ค.-24 03:00:00	31.78	7.25	680.79	4.87
07-มี.ค.-24 04:00:00	31.61	7.21	685.10	4.85
07-มี.ค.-24 05:00:00	31.41	7.17	689.41	4.63
07-มี.ค.-24 06:00:00	31.22	7.13	693.73	4.57
07-มี.ค.-24 07:00:00	31.02	7.09	698.04	4.51
07-มี.ค.-24 08:00:00	30.58	6.88	702.35	
07-มี.ค.-24 09:00:00	31.56	6.81	706.56	
07-มี.ค.-24 10:00:00	34.43	6.76	708.53	
07-มี.ค.-24 11:00:00	39.78	6.71	710.51	
07-มี.ค.-24 12:00:00		6.65	712.48	
07-มี.ค.-24 13:00:00		6.60	714.46	
07-มี.ค.-24 14:00:00		6.55	716.43	
07-มี.ค.-24 15:00:00		6.53	718.41	
07-มี.ค.-24 16:00:00		6.55	720.38	
07-มี.ค.-24 17:00:00		6.58	721.89	
07-มี.ค.-24 18:00:00		6.61	721.42	
07-มี.ค.-24 19:00:00	39.62	6.63	720.95	
07-มี.ค.-24 20:00:00	37.02	6.66	720.47	
07-มี.ค.-24 21:00:00	32.32	7.55	834.86	4.34
07-มี.ค.-24 22:00:00	32.75	7.93	909.77	6.43
07-มี.ค.-24 23:00:00	32.68	7.53	919.81	6.06
08-มี.ค.-24 00:00:00	32.61	7.46	921.59	5.67
08-มี.ค.-24 01:00:00	32.54	7.44	923.36	5.32
08-มี.ค.-24 02:00:00	32.47	7.42	925.13	5.06
08-มี.ค.-24 03:00:00	32.40	7.40	926.91	4.95
08-มี.ค.-24 04:00:00	32.33	7.38	927.55	4.84
08-มี.ค.-24 05:00:00	32.26	7.36	926.11	4.76

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
08-มี.ค.-24 06:00:00	31.62	7.22	924.67	
08-มี.ค.-24 07:00:00	30.42124748	7.14900589	923.2350464	
08-มี.ค.-24 08:00:00	30.26200294	7.084835529	925.0043335	
08-มี.ค.-24 09:00:00	30.99277687	7.047863007	928.288208	
08-มี.ค.-24 10:00:00	35.25913239	6.995923996	931.5721436	
08-มี.ค.-24 11:00:00		6.931808472	934.8560181	
08-มี.ค.-24 12:00:00		6.867692947	938.1399536	
08-มี.ค.-24 13:00:00		6.803577423	941.4238281	
08-มี.ค.-24 14:00:00		6.801938534	944.7077637	
08-มี.ค.-24 15:00:00		6.799799442	947.9916382	
08-มี.ค.-24 16:00:00		6.750963211	948.3339233	
08-มี.ค.-24 17:00:00		6.760831833	948.00354	
08-มี.ค.-24 18:00:00	39.40725327	6.770699978	947.6732178	
08-มี.ค.-24 19:00:00	36.17689133	6.781210899	947.3428345	
08-มี.ค.-24 20:00:00	34.31447983	6.807041168	947.0124512	
08-มี.ค.-24 21:00:00	32.72583389	7.190743923	723.0039063	4.654316425
08-มี.ค.-24 22:00:00	32.83895111	7.319783211	699.1826782	5.048612595
08-มี.ค.-24 23:00:00	32.74406052	7.298545837	693.2312622	4.990334034
09-มี.ค.-24 00:00:00	32.64916611	7.277308941	693.6349487	4.883139133
09-มี.ค.-24 01:00:00	32.55427551	7.256071568	694.9349365	4.848476887
09-มี.ค.-24 02:00:00	32.4593811	7.234834671	696.2349854	4.656105518
09-มี.ค.-24 03:00:00	32.36449051	7.215433598	697.5349731	4.647606373
09-มี.ค.-24 04:00:00	32.2695961	7.197367668	698.835022	4.569136143
09-มี.ค.-24 05:00:00	32.17470551	7.179301739	700.1350098	4.54615593
09-มี.ค.-24 06:00:00	32.03403091	7.161235809	701.4350586	4.578339577
09-มี.ค.-24 07:00:00	31.85482979	7.143169403	702.7531738	4.484738827
09-มี.ค.-24 08:00:00	31.67562866	6.925388813	704.7758179	2.295839787
09-มี.ค.-24 09:00:00	32.65436935	6.844724655	706.7985229	2.269619942
09-มี.ค.-24 10:00:00	35.05932617	6.799353123	708.821228	
09-มี.ค.-24 11:00:00	36.43268204	6.75398159	710.8438721	
09-มี.ค.-24 12:00:00	37.48461533	6.648614883	712.8665771	
09-มี.ค.-24 13:00:00		6.610711575	714.8892822	
09-มี.ค.-24 14:00:00		6.607868671	716.9119873	
09-มี.ค.-24 15:00:00		6.605025768	718.4328003	
09-มี.ค.-24 16:00:00		6.602182388	717.4692993	
09-มี.ค.-24 17:00:00	38.513237	6.599339485	716.5057373	
09-มี.ค.-24 18:00:00	36.48272705	6.596496582	715.5422363	
09-มี.ค.-24 19:00:00	34.45221329	6.593653202	714.5786743	
09-มี.ค.-24 20:00:00	32.84440613	6.590810299	713.6151733	
09-มี.ค.-24 21:00:00	31.72729874	6.621786594	712.6516113	
09-มี.ค.-24 22:00:00	32.46430969	7.981529236	789.5336304	6.701630592
09-มี.ค.-24 23:00:00	32.41650391	7.923411369	795.4260864	6.711983204
10-มี.ค.-24 00:00:00	32.36869812	7.442299366	801.3184814	6.536432743
10-มี.ค.-24 01:00:00	32.32089233	7.359725952	807.2109375	6.295636654
10-มี.ค.-24 02:00:00	32.27308273	7.327741623	808.5333252	6.176240444
10-มี.ค.-24 03:00:00	32.22527695	7.295757771	808.2290649	5.998023987
10-มี.ค.-24 04:00:00	32.17747116	7.279358387	807.9248047	5.907218456
10-มี.ค.-24 05:00:00	32.12966537	7.274544716	807.6205444	5.862641811
10-มี.ค.-24 06:00:00	32.07842636	7.269731045	807.3163452	5.796654224
10-มี.ค.-24 07:00:00	32.01478195	7.264917374	807.012085	5.738381863
10-มี.ค.-24 08:00:00	31.95113564	7.262625217	806.7078247	5.796911716
10-มี.ค.-24 09:00:00	32.96271515	7.210713863	806.4035645	4.392696381
10-มี.ค.-24 10:00:00	35.4073143	7.107187748	808.1771851	3.845022202
10-มี.ค.-24 11:00:00	37.55289841	7.029194355	810.2288818	3.169732809
10-มี.ค.-24 12:00:00		6.951200962	812.2805786	2.361330271
10-มี.ค.-24 13:00:00		6.873207569	814.3322754	
10-มี.ค.-24 14:00:00		6.769034386	816.3840332	
10-มี.ค.-24 15:00:00		6.700097084	818.43573	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
10-มี.ค.-24 16:00:00		6.718545437	820.4874268	
10-มี.ค.-24 17:00:00		6.736993313	822.4700928	
10-มี.ค.-24 18:00:00		6.754318714	821.9054565	
10-มี.ค.-24 19:00:00	37.26467896	6.754388809	821.3408203	
10-มี.ค.-24 20:00:00	34.9000206	6.756503582	820.776123	
10-มี.ค.-24 21:00:00	32.68653107	7.162633896	694.017334	5.551836014
10-มี.ค.-24 22:00:00	33.02192688	7.687465191	650.3165894	6.212732315
10-มี.ค.-24 23:00:00	32.95931244	7.737514496	637.1279907	5.946671009
11-มี.ค.-24 00:00:00	32.87015915	7.674958706	632.6207275	5.712112427
11-มี.ค.-24 01:00:00	32.78100586	7.596814156	633.2912598	5.430292606
11-มี.ค.-24 02:00:00	32.69185638	7.518669605	633.961853	5.309197903
11-มี.ค.-24 03:00:00	32.60270309	7.440525055	634.6323853	5.181972027
11-มี.ค.-24 04:00:00	32.5135498	7.364079952	635.3029175	5.086508751
11-มี.ค.-24 05:00:00	32.42439651	7.325417042	635.9735107	5.045647621
11-มี.ค.-24 06:00:00	32.34104919	7.286753654	636.644043	4.906438828
11-มี.ค.-24 07:00:00	32.31826401	7.248090744	637.3145752	4.718222141
11-มี.ค.-24 08:00:00	32.29547882	7.209427834	638.5390015	4.722232819
11-มี.ค.-24 09:00:00	32.27269363	7.193415642	639.9178467	4.775221348
11-มี.ค.-24 10:00:00	32.33508301	7.192036152	641.2966919	4.176903248
11-มี.ค.-24 11:00:00	34.29656982	7.012498379	642.6754761	2.117181778
11-มี.ค.-24 12:00:00	36.6365242	6.93200922	644.0543213	2.130547523
11-มี.ค.-24 13:00:00	38.80865097	6.866296768	645.4331665	
11-มี.ค.-24 14:00:00		6.80929327	646.8120117	
11-มี.ค.-24 15:00:00	39.46408844	6.705824852	648.1908569	
11-มี.ค.-24 16:00:00	38.99478149	6.675893307	648.3085327	
11-มี.ค.-24 17:00:00	37.26514435	6.677503109	648.3300171	
11-มี.ค.-24 18:00:00	35.21601486	6.679112434	648.3515625	
11-มี.ค.-24 19:00:00	32.31289673	6.682080269	648.3730469	
11-มี.ค.-24 20:00:00	30.9506588	6.68571806	648.3945923	
11-มี.ค.-24 21:00:00	30.0482502	6.689356327	648.4161377	
11-มี.ค.-24 22:00:00	32.18500137	6.872784615	712.6229858	5.148033142
11-มี.ค.-24 23:00:00	32.131073	7.02217865	832.2653809	8.576248169
12-มี.ค.-24 00:00:00	32.07714462	7.12263298	936.7228394	9.919368744
12-มี.ค.-24 01:00:00	32.02321243	7.14881897	939.300354	12.02700901
12-มี.ค.-24 02:00:00	31.96928406	7.175005436	941.8778687	6.958675861
12-มี.ค.-24 03:00:00	31.91535378	7.201191425	944.4553833	7.845424175
12-มี.ค.-24 04:00:00	31.86142349	7.227377892	942.6878662	8.392103195
12-มี.ค.-24 05:00:00	31.80749321	7.253564358	940.1950684	8.820652962
12-มี.ค.-24 06:00:00	31.67547035	7.279750347	937.7357178	8.865207672
12-มี.ค.-24 07:00:00	31.47396278	7.267530918	937.4328003	7.496872902
12-มี.ค.-24 08:00:00	31.27245522	7.180615425	937.1298218	6.330509663
12-มี.ค.-24 09:00:00	31.57881165	7.143729687	927.6913452	3.501689672
12-มี.ค.-24 10:00:00	32.36775208	6.970183372	727.4050293	3.206213474
12-มี.ค.-24 11:00:00	33.2626152	6.956079006	733.8223267	2.2627852678
12-มี.ค.-24 12:00:00	31.73539543	6.935137749	740.505127	2.57838273
12-มี.ค.-24 13:00:00	30.57155228	6.901183128	748.125	2.271481037
12-มี.ค.-24 14:00:00	30.95833778	6.86820364	755.744812	2.177050591
12-มี.ค.-24 15:00:00	30.44703293	6.888237953	763.364624	
12-มี.ค.-24 16:00:00	30.22010994	6.881408691	770.9844971	7.172439098
12-มี.ค.-24 17:00:00	29.88780403	6.892766476	772.4771729	7.259153843
12-มี.ค.-24 18:00:00	29.13333321	6.881421089	771.6781006	7.452163219
12-มี.ค.-24 19:00:00	28.37886047	6.87007618	770.8790283	7.43962574
12-มี.ค.-24 20:00:00	27.66389656	6.85873127	770.0800171	7.400346756
12-มี.ค.-24 21:00:00	27.32769966	6.847385883	769.2809448	7.312895775
12-มี.ค.-24 22:00:00	31.21320724	6.954886436	631.184082	10.80027962
12-มี.ค.-24 23:00:00	30.98745728	7.020018101	617.5965576	11.33692741
13-มี.ค.-24 00:00:00	30.76170731	7.018776894	617.7431641	11.41565418
13-มี.ค.-24 01:00:00	30.53595734	6.988445282	617.8897705	10.66793442

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
13-มี.ค.-24 02:00:00	29.6258812	6.803639412	618.0363159	6.745044708
13-มี.ค.-24 03:00:00	28.67767143	6.708422184	618.1829224	6.093007088
13-มี.ค.-24 04:00:00	27.72946167	6.647119999	618.3294678	5.547772408
13-มี.ค.-24 05:00:00	26.78125191	6.585817814	618.4760742	4.605939865
13-มี.ค.-24 06:00:00	25.91689491	6.524515629	618.6226807	4.310602665
13-มี.ค.-24 07:00:00	25.83957291		619.2611084	4.233075619
13-มี.ค.-24 08:00:00	27.91545677		620.6289063	2.036071777
13-มี.ค.-24 09:00:00	30.90180016	6.573161602	621.9967041	
13-มี.ค.-24 10:00:00	34.17939758	6.741352081	623.364502	
13-มี.ค.-24 11:00:00	36.00512695	6.752615452	624.7322998	
13-มี.ค.-24 12:00:00	36.5782814	6.754771233	626.1000977	
13-มี.ค.-24 13:00:00		6.756926537	627.4678345	
13-มี.ค.-24 14:00:00		6.759081841	628.8356323	
13-มี.ค.-24 15:00:00		6.761237621	629.7106323	
13-มี.ค.-24 16:00:00	38.41205597	6.763392925	630.1869507	
13-มี.ค.-24 17:00:00	37.11692429	6.765548229	630.663208	
13-มี.ค.-24 18:00:00	35.19768143	6.792327881	631.1395264	
13-มี.ค.-24 19:00:00	33.04072571	6.824531078	631.6157837	
13-มี.ค.-24 20:00:00	31.72558784	6.859286785	632.0921021	
13-มี.ค.-24 21:00:00	30.60215569	6.894042969	632.5683594	
13-มี.ค.-24 22:00:00	29.74559784	6.928798676	633.0446777	
13-มี.ค.-24 23:00:00	28.88903999	6.963554859	632.46698	
14-มี.ค.-24 00:00:00	31.51489449	7.284248829	775.338623	12.7694006
14-มี.ค.-24 01:00:00	30.86312294	7.140526295	788.1340332	9.554080009
14-มี.ค.-24 02:00:00	29.92370605	7.08388567	791.0542603	8.730792999
14-มี.ค.-24 03:00:00	28.98428726	7.027245045	793.9744873	8.528146744
14-มี.ค.-24 04:00:00	28.07375526	6.97060442	796.8947144	8.1540308
14-มี.ค.-24 05:00:00	27.1740284	6.920703411	799.8149414	7.491260052
14-มี.ค.-24 06:00:00	26.46603203	6.873691082	802.7351685	6.492786884
14-มี.ค.-24 07:00:00	26.23391342	6.726402283	805.6553955	5.739727974
14-มี.ค.-24 08:00:00	27.61909676	6.819149971	808.5755615	3.156356573
14-มี.ค.-24 09:00:00	31.18594742	6.883722782	810.4625854	
14-มี.ค.-24 10:00:00	37.161410332	7.73.9572754	773.9572754	10.42193127
14-มี.ค.-24 11:00:00	35.55263519	7.075825214	779.9146118	7.98426342
14-มี.ค.-24 12:00:00	37.37202454	7.013934135	785.8719482	6.560163498
14-มี.ค.-24 13:00:00	38.16514587	6.97863245	791.8292236	6.084745884
14-มี.ค.-24 14:00:00		6.95391655	797.3632202	4.363332272
14-มี.ค.-24 15:00:00		6.988533974	786.1557007	3.885902643
14-มี.ค.-24 16:00:00		6.973181248	791.9931641	3.766165972
14-มี.ค.-24 17:00:00		6.907916546	797.8306274	3.351735353
14-มี.ค.-24 18:00:00	38.29779816	6.831337929	803.6680908	
14-มี.ค.-24 19:00:00	36.01568222	6.811335087	806.904541	
14-มี.ค.-24 20:00:00	31.81170273	8.250709534	785.4403076	13.50172234
14-มี.ค.-24 21:00:00	31.75423241	8.488664627	790.2781982	14.23885822
14-มี.ค.-24 22:00:00	31.69676208	7.508812904	795.1160889	13.48459435
14-มี.ค.-24 23:00:00	31.63929176	6.99899292	799.9539795	13.16527843
15-มี.ค.-24 00:00:00	31.56789207	7.003747463	804.7918701	12.87317085
15-มี.ค.-24 01:00:00	31.47421455	7.04441452	809.6297607	12.50923824
15-มี.ค.-24 02:00:00	31.38053513	7.085082054	814.4676514	12.3423872
15-มี.ค.-24 03:00:00	31.2868576	7.125749111	819.305542	12.2811861
15-มี.ค.-24 04:00:00	31.19317818	7.166416168	822.6629639	12.11218166
15-มี.ค.-24 05:00:00	31.09950066	7.207083225	823.401001	11.97506237
15-มี.ค.-24 06:00:00	31.00582314	7.247750759	824.1390381	11.83935833
15-มี.ค.-24 07:00:00	31.31291962	7.373800755	751.5690308	8.94644928
15-มี.ค.-24 08:00:00	31.0432415	7.236792564	755.1081543	7.282749176
15-มี.ค.-24 09:00:00	31.92753792	7.164002895	758.6472168	7.332559109
15-มี.ค.-24 10:00:00	36.35409164	7.091212749	762.1862793	5.928220272
15-มี.ค.-24 11:00:00		7.01115799	765.7253418	4.954145908

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
15-มี.ค.-24 12:00:00		6.925732613	769.2644653	3.6671803
15-มี.ค.-24 13:00:00		6.775484562	770.7155762	
15-มี.ค.-24 14:00:00		6.765500546	771.5605469	
15-มี.ค.-24 15:00:00		6.755516529	772.4055176	
15-มี.ค.-24 16:00:00		6.751286983	773.2505493	
15-มี.ค.-24 17:00:00		6.791237831	774.09552	
15-มี.ค.-24 18:00:00	37.71950912	6.749714375	774.9404907	
15-มี.ค.-24 19:00:00	35.08616638	6.765783787	775.7854614	
15-มี.ค.-24 20:00:00	33.15550613	6.769712448	776.6304321	
15-มี.ค.-24 21:00:00	31.68678284	7.16339159	674.4206543	7.794085026
15-มี.ค.-24 22:00:00	32.28038406	7.725220203	725.2703857	6.964945316
15-มี.ค.-24 23:00:00	32.52735138	7.559203148	763.3231201	6.748236179
16-มี.ค.-24 00:00:00	32.48801422	7.497637749	768.2716064	6.561121464
16-มี.ค.-24 01:00:00	32.44867706	7.483347893	773.2200928	6.379756927
16-มี.ค.-24 02:00:00	32.40933609	7.48412323	778.1685181	6.210345268
16-มี.ค.-24 03:00:00	32.36999893	7.484899044	783.1170044	6.139615536
16-มี.ค.-24 04:00:00	32.33066177	7.485674858	788.0654907	6.023310661
16-มี.ค.-24 05:00:00	32.2913208	7.486450672	793.0139771	5.976296425
16-มี.ค.-24 06:00:00	32.25198364	7.487226486	797.9624023	5.874792099
16-มี.ค.-24 07:00:00	32.27002716	7.601562977	768.9873657	5.947717119
16-มี.ค.-24 08:00:00	32.34641266	7.530795574	790.1846924	5.893994808
16-มี.ค.-24 09:00:00	32.42279816	7.537343502	794.1430054	5.908914089
16-มี.ค.-24 10:00:00	32.49918365	7.618327618	798.1013794	6.103960514
16-มี.ค.-24 11:00:00	34.52454376	7.427105904	802.0596924	6.413416672
16-มี.ค.-24 12:00:00	36.25449371	7.307163715	806.0180664	4.018907547
16-มี.ค.-24 13:00:00	38.61110687	7.205761433	809.9763794	3.279996634
16-มี.ค.-24 14:00:00	39.20119858	7.161614418	811.0725098	2.961761951
16-มี.ค.-24 15:00:00	39.64696503	7.125131607	811.9130859	2.519535542
16-มี.ค.-24 16:00:00	38.89069366	7.088649273	812.7537231	2.302310705
16-มี.ค.-24 17:00:00	38.05566788	6.904376507	813.5943604	2.242096901
16-มี.ค.-24 18:00:00	36.42205429	6.898704529	814.4349365	
16-มี.ค.-24 19:00:00	34.24766159	6.893032074	815.2755737	
16-มี.ค.-24 20:00:00	32.09738922	8.407337189	628.5563965	7.029817104
16-มี.ค.-24 21:00:00	31.92139816	8.424032211	594.4797363	7.350450516
16-มี.ค.-24 22:00:00	31.7454052	7.508122444	602.9196777	7.023540497
16-มี.ค.-24 23:00:00	31.56941223	7.807415485	604.9105225	6.54816246
17-มี.ค.-24 00:00:00	31.39342117	7.758106709	606.9013672	6.267878056
17-มี.ค.-24 01:00:00	31.32594109	7.708797932	608.8922119	6.101376057
17-มี.ค.-24 02:00:00	31.25952911	7.659489155	610.8830566	5.924965382
17-มี.ค.-24 03:00:00	31.19311523	7.610180378	615.5629883	5.923167706
17-มี.ค.-24 04:00:00	31.12670326	7.560871601	622.1203003	5.78276968
17-มี.ค.-24 05:00:00	31.06028938	7.529075623	628.6775513	5.811099052
17-มี.ค.-24 06:00:00	30.9938755	7.506537914	635.2348633	5.776950359
17-มี.ค.-24 07:00:00	31.41633224	7.675909519	753.2241821	6.228648663
17-มี.ค.-24 08:00:00	31.16329384	7.623781204	710.6704712	5.797379971
17-มี.ค.-24 09:00:00	31.27872849	7.690467358	705.0805054	5.964612484
17-มี.ค.-24 10:00:00	34.02499771	7.324681759	709.2869263	4.123507977
17-มี.ค.-24 11:00:00	37.93962479	7.157295704	711.7662964	3.056585073
17-มี.ค.-24 12:00:00		7.079269409	714.2457275	2.174372673
17-มี.ค.-24 13:00:00		7.001243114	716.7250977	
17-มี.ค.-24 14:00:00		6.925694942	719.2044678	
17-มี.ค.-24 15:00:00		6.811697483	721.6838989	
17-มี.ค.-24 16:00:00		6.814137459	724.163269	
17-มี.ค.-24 17:00:00		6.816577435	726.0739136	
17-มี.ค.-24 18:00:00	33.60719681	6.938668728	690.2659912	
17-มี.ค.-24 19:00:00	33.83338547	6.903751373	691.9814453	
17-มี.ค.-24 20:00:00	33.46665192	6.886142254	693.6968994	
17-มี.ค.-24 21:00:00	32.52991104	8.019744873	695.0600586	6.225979805

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
17-มี.ค.-24 22:00:00	32.90666962	7.895941257	767.267334	7.307437897
17-มี.ค.-24 23:00:00	32.7573204	7.942070484	769.0150146	6.830758095
18-มี.ค.-24 00:00:00	32.60797119	7.513837337	773.0418701	6.485346794
18-มี.ค.-24 01:00:00	32.45862198	7.434267521	777.0686646	6.31760931
18-มี.ค.-24 02:00:00	32.30927658	7.420360565	781.09552	6.077832222
18-มี.ค.-24 03:00:00	32.15992737	7.406453609	785.1223755	5.894321442
18-มี.ค.-24 04:00:00	31.93074417	7.340602398	789.1491699	4.560521126
18-มี.ค.-24 05:00:00	30.73625755	7.264251709	793.1760254	4.588620186
18-มี.ค.-24 06:00:00	29.63912964	7.230156422	796.868042	4.202487946
18-มี.ค.-24 07:00:00	28.80411339	7.196061611	798.4351196	4.177999973
18-มี.ค.-24 08:00:00	28.86384392	7.161855698	800.0022583	3.244635344
18-มี.ค.-24 09:00:00	32.79117966	7.083045959	465.3656921	4.748122215
18-มี.ค.-24 10:00:00	36.35442734	6.943986893	799.355896	2.762567282
18-มี.ค.-24 11:00:00		6.834575653	800.4376831	
18-มี.ค.-24 12:00:00		6.818739891	801.5194702	
18-มี.ค.-24 13:00:00		6.802904129	802.6012573	
18-มี.ค.-24 14:00:00		6.78706789	803.6830444	
18-มี.ค.-24 15:00:00		6.785397053	804.7648315	
18-มี.ค.-24 16:00:00		6.806378365	805.8466187	
18-มี.ค.-24 17:00:00		6.821547031	806.9284058	
18-มี.ค.-24 18:00:00	38.36271667	6.832700253	805.600647	
18-มี.ค.-24 19:00:00	35.36794662	6.831030846	803.5107422	
18-มี.ค.-24 20:00:00	33.43323135	6.855527401	801.4208374	
18-มี.ค.-24 21:00:00	32.24103928	7.945724487	666.9848633	6.464193821
18-มี.ค.-24 22:00:00	32.39323044	7.951165199	647.9220581	6.959427834
18-มี.ค.-24 23:00:00	32.3572464	7.808061123	649.6378784	6.776222706
19-มี.ค.-24 00:00:00	32.2754364	7.755530834	651.3536377	6.601039886
19-มี.ค.-24 01:00:00	32.1936264	7.703001022	653.069397	6.428674698
19-มี.ค.-24 02:00:00	32.11181641	7.650470734	654.7851563	6.179125309
19-มี.ค.-24 03:00:00	32.03000641	7.597940445	656.5009766	6.056826591
19-มี.ค.-24 04:00:00	31.94819641	7.545410633	658.2167358	5.974098682
19-มี.ค.-24 05:00:00	31.86638832	7.507796288	659.9324951	5.868082047
19-มี.ค.-24 06:00:00	31.78457832	7.486395359	661.2247314	5.870707989
19-มี.ค.-24 07:00:00	31.76985741	7.464994431	661.6314697	5.83361721
19-มี.ค.-24 08:00:00	31.75846291	7.443593025	662.038269	5.821617126
19-มี.ค.-24 09:00:00	32.72742844	7.233371258	662.4450073	4.089914799
19-มี.ค.-24 10:00:00	35.05848694	7.145116329	664.3340454	3.137388898
19-มี.ค.-24 11:00:00	36.47899628	7.0840168	667.8251953	2.962007999
19-มี.ค.-24 12:00:00	39.1684494	7.032307625	671.3164063	2.213300943
19-มี.ค.-24 13:00:00		6.98059845	674.8075562	
19-มี.ค.-24 14:00:00		6.928889275	678.2987061	
19-มี.ค.-24 15:00:00		6.861032963	678.3026733	
19-มี.ค.-24 16:00:00	29.02684784	6.882181168	675.7140503	
19-มี.ค.-24 17:00:00	26.83615303	6.903329372	674.1254272	
19-มี.ค.-24 18:00:00	25.70566559	6.924477577	672.5368042	
19-มี.ค.-24 19:00:00	24.96625137	6.947685242	670.9481812	
19-มี.ค.-24 20:00:00	24.91479111	6.98549366	669.3594971	
19-มี.ค.-24 21:00:00	31.88658142	7.541566372	682.1791992	5.841830254
19-มี.ค.-24 22:00:00	32.02581787	7.985992432	723.4633789	7.16455698
19-มี.ค.-24 23:00:00	32.07933044	7.781551838	738.0755005	7.153114796
20-มี.ค.-24 00:00:00	32.03264999	7.703918934	744.3643188	6.893656731
20-มี.ค.-24 01:00:00	31.98597336	7.638702869	745.5395508	6.73014307
20-มี.ค.-24 02:00:00	31.93929672	7.603238583	746.7147827	6.537070274
20-มี.ค.-24 03:00:00	31.89261818	7.567774773	747.8900146	6.399904251
20-มี.ค.-24 04:00:00	31.84594154	7.532310963	749.0652466	6.273802757
20-มี.ค.-24 05:00:00	31.799263	7.496847153	750.2404785	6.240183353
20-มี.ค.-24 06:00:00	31.74479675	7.461383343	742.3186035	6.218609333
20-มี.ค.-24 07:00:00	31.64147568	7.421534538	722.765625	6.173600674

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
20-มี.ค.-24 08:00:00	31.5381546	7.404915333	716.8418579	6.265318394
20-มี.ค.-24 09:00:00	31.43483353	7.433135033	718.1678467	6.250401497
20-มี.ค.-24 10:00:00	31.33151245	7.461354733	719.4938354	6.332871914
20-มี.ค.-24 11:00:00	31.22818947	7.438233852	720.8198242	5.380943775
20-มี.ค.-24 12:00:00	32.19646454	7.284665108	722.145874	4.739510059
20-มี.ค.-24 13:00:00	32.16472244	7.237243652	723.4718628	4.37105751
20-มี.ค.-24 14:00:00	32.65349579	7.18982172	724.7978516	4.037675381
20-มี.ค.-24 15:00:00	33.42218781	7.142400265	726.1238403	3.545316219
20-มี.ค.-24 16:00:00	32.84639359	7.108539104	723.7640381	3.276607752
20-มี.ค.-24 17:00:00	31.22969246	7.261570454	582.7184448	4.48484993
20-มี.ค.-24 18:00:00	30.98289108	7.03629303	587.8538208	4.063029766
20-มี.ค.-24 19:00:00	30.10481262	7.041751385	592.9891357	3.770700216
20-มี.ค.-24 20:00:00	29.22673416	7.047209263	598.1245117	3.449374914
20-มี.ค.-24 21:00:00	31.03562355	7.40673399	582.9251709	5.968638897
20-มี.ค.-24 22:00:00	30.91016197	7.520215034	586.1125488	6.046307564
20-มี.ค.-24 23:00:00	30.7847023	7.515366077	589.2999268	6.028064728
21-มี.ค.-24 00:00:00	30.65924072	7.510517597	592.4873047	5.978801727
21-มี.ค.-24 01:00:00	30.53377914	7.50566864	595.6746826	5.995634079
21-มี.ค.-24 02:00:00	30.40831757	7.500819683	598.8620605	5.998212814
21-มี.ค.-24 03:00:00	30.28285599	7.495971203	602.0494995	5.967768192
21-มี.ค.-24 04:00:00	30.15604401	7.491122246	605.2368774	6.014140129
21-มี.ค.-24 05:00:00	30.023489	7.486273766	607.3362427	6.087833405
21-มี.ค.-24 06:00:00	29.89093399	7.479435444	607.8128662	6.10991478
21-มี.ค.-24 07:00:00	29.75837898	7.469378471	608.2895508	6.194454193
21-มี.ค.-24 08:00:00	29.62582397	7.459321499	608.7662354	6.130329609
21-มี.ค.-24 09:00:00	29.49326897	7.426585197	609.2429199	4.704451084
21-มี.ค.-24 10:00:00	32.21891403	7.200460434	609.7196045	3.935804844
21-มี.ค.-24 11:00:00	33.5430603	7.13076067	610.196228	3.149645329
21-มี.ค.-24 12:00:00	36.32762527	7.061061382	610.6729126	2.466614246
21-มี.ค.-24 13:00:00	38.06113052	7.01318121	611.2766113	2.170807123
21-มี.ค.-24 14:00:00		6.966756344	611.9830933	
21-มี.ค.-24 15:00:00		6.895924568	612.6895752	
21-มี.ค.-24 16:00:00	39.17780685	6.90557766	613.3960571	
21-มี.ค.-24 17:00:00	38.2999382	6.915231228	614.1025391	
21-มี.ค.-24 18:00:00	36.10181808	6.924884319	614.809021	
21-มี.ค.-24 19:00:00	33.98903275	6.934537411	615.5155029	
21-มี.ค.-24 20:00:00	32.11549759	6.944190979	616.2219849	
21-มี.ค.-24 21:00:00	30.41145134	7.401842117	703.5032349	6.237057209
21-มี.ค.-24 22:00:00	30.70770645	7.845082283	760.8743286	6.958171368
21-มี.ค.-24 23:00:00	30.63922882	7.812001705	765.9660034	6.723943233
22-มี.ค.-24 00:00:00	30.5707531	7.581073284	771.0576782	6.607247353

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
22-มี.ค.-24 01:00:00	30.50227737	7.555130959	776.1494141	6.390764236
22-มี.ค.-24 02:00:00	30.43380165	7.553369999	781.2410889	6.388551712
22-มี.ค.-24 03:00:00	30.36532402	7.551609516	786.3327637	6.394649506
22-มี.ค.-24 04:00:00	30.2968483	7.549848557	790.9337769	6.346704483
22-มี.ค.-24 05:00:00	30.22837257	7.548088074	793.0568237	6.256617069
22-มี.ค.-24 06:00:00	30.14538002	7.546327591	795.1798096	6.262901306
22-มี.ค.-24 07:00:00	30.0538311	7.544566631	797.3028564	6.117184162
22-มี.ค.-24 08:00:00	29.96228218	7.542806149	799.4259033	6.099899769
22-มี.ค.-24 09:00:00	31.09505081	7.265964508	801.5489502	3.786700487
22-มี.ค.-24 10:00:00	32.98526382	7.204896927	803.671936	3.331740856
22-มี.ค.-24 11:00:00	35.18032074	7.143829346	805.7949829	2.381863832
22-มี.ค.-24 12:00:00	38.79335022	7.08551836	807.2449951	
22-มี.ค.-24 13:00:00		7.071696281	807.2426147	
22-มี.ค.-24 14:00:00		7.057873726	807.2402954	
22-มี.ค.-24 15:00:00		7.044051647	807.237915	
22-มี.ค.-24 16:00:00		7.100765228	807.2355957	
22-มี.ค.-24 17:00:00		7.184797764	807.2332764	
22-มี.ค.-24 18:00:00	38.01980209	7.283380032	807.230896	
22-มี.ค.-24 19:00:00	34.67921066	7.230270386	807.2285767	
22-มี.ค.-24 20:00:00	32.63465118	7.017590046	807.3688965	
22-มี.ค.-24 21:00:00	31.23275948	7.132317543	807.6741333	
22-มี.ค.-24 22:00:00	30.79254913	7.19282341	632.7374878	5.399945736
22-มี.ค.-24 23:00:00	30.97701263	7.319472313	588.72052	5.944537163
23-มี.ค.-24 00:00:00	30.95397949	7.354686737	584.4718018	5.990156174
23-มี.ค.-24 01:00:00	30.86058426	7.364242077	589.0040894	6.711942673
23-มี.ค.-24 02:00:00	30.73395157	7.373797417	593.536377	6.667318821
23-มี.ค.-24 03:00:00	30.60731697	7.383353233	598.0686035	5.856808662
23-มี.ค.-24 04:00:00	30.48068428	7.383461952	602.6008911	5.858410358
23-มี.ค.-24 05:00:00	30.35404968	7.377593517	607.1331787	5.958843231
23-มี.ค.-24 06:00:00	30.22741699	7.371725559	611.6654053	5.922429085
23-มี.ค.-24 07:00:00	29.79826355	7.148577213	616.1976929	2.774966478
23-มี.ค.-24 08:00:00	29.65180206	7.04515028	618.776001	
23-มี.ค.-24 09:00:00	31.39523506	6.994169235	620.2762451	
23-มี.ค.-24 10:00:00	33.95527267	6.985587597	621.7764893	
23-มี.ค.-24 11:00:00	36.8241272	6.977005959	623.2766724	
23-มี.ค.-24 12:00:00		6.96842432	624.7769165	
23-มี.ค.-24 13:00:00		6.959843159	626.2771606	
23-มี.ค.-24 14:00:00		7.015601158	627.7774048	
23-มี.ค.-24 15:00:00		7.080202103	629.2776489	
23-มี.ค.-24 16:00:00		7.14480257	629.5680542	
23-มี.ค.-24 17:00:00	39.23046112	7.351548195	629.5534058	
23-มี.ค.-24 18:00:00	36.63355255	7.429022789	629.5387573	
23-มี.ค.-24 19:00:00	34.29334259	7.412499905	629.5241089	
23-มี.ค.-24 20:00:00	32.54432297	7.46871376	629.5094604	
23-มี.ค.-24 21:00:00	31.17529869	7.504034519	629.494812	
23-มี.ค.-24 22:00:00	31.52768326	7.854629993	726.3001099	7.287156582
23-มี.ค.-24 23:00:00	31.61489487	8.251486778	749.2122803	7.176122665
24-มี.ค.-24 00:00:00	31.39253616	7.767025948	762.6099243	6.687158108
24-มี.ค.-24 01:00:00	31.14456558	7.470760345	772.3962402	6.376992226
24-มี.ค.-24 02:00:00	30.896595	7.430669308	774.6346436	6.193203449
24-มี.ค.-24 03:00:00	30.50318336	7.296872139	776.8731079	4.112669945
24-มี.ค.-24 04:00:00	29.70697021	7.094483852	779.115112	4.090718746
24-มี.ค.-24 05:00:00	28.91075706	7.111553192	781.3499756	3.545959711
24-มี.ค.-24 06:00:00	28.11454391	7.168358803	783.5884399	3.753064156
24-มี.ค.-24 07:00:00	27.7652359	7.197481632	785.8268433	3.155975103
24-มี.ค.-24 08:00:00	28.45589638	7.171989441	788.0653076	2.258494377
24-มี.ค.-24 09:00:00	32.67897415	7.14649725	790.2609863	
24-มี.ค.-24 10:00:00	37.99438858	7.101029873	792.3810425	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
24-มี.ค.-24 11:00:00		6.984920979	794.5010986	
24-มี.ค.-24 12:00:00		6.997638702	796.6210938	
24-มี.ค.-24 13:00:00		7.010355949	798.7411499	
24-มี.ค.-24 14:00:00		7.023073673	800.8612061	
24-มี.ค.-24 15:00:00		7.03579092	802.9812622	
24-มี.ค.-24 16:00:00		7.174338818	805.1012573	
24-มี.ค.-24 17:00:00		7.344347	806.3763428	
24-มี.ค.-24 18:00:00	39.41440582	7.563836575	806.8430786	
24-มี.ค.-24 19:00:00	36.61994553	7.59547472	807.3098755	
24-มี.ค.-24 20:00:00	34.80332565	7.636404991	807.7766113	
24-มี.ค.-24 21:00:00	33.14471436	7.679421425	808.2434082	
24-มี.ค.-24 22:00:00	32.25170517	7.529088497	691.6206055	6.29139328
24-มี.ค.-24 23:00:00	32.38263702	7.779407978	684.3657227	6.51686573
25-มี.ค.-24 00:00:00	32.27586746	7.82881403	687.6856689	6.314479351
25-มี.ค.-24 01:00:00	32.12060165	7.783706188	691.0056763	6.130115509
25-มี.ค.-24 02:00:00	31.96533775	7.738598347	694.3256226	6.035657406
25-มี.ค.-24 03:00:00	31.81007004	7.693490505	697.6456299	5.934579849
25-มี.ค.-24 04:00:00	31.65480423	7.648382664	700.9656372	5.847332478
25-มี.ค.-24 05:00:00	31.49953842	7.603275299	704.2855835	5.796893597
25-มี.ค.-24 06:00:00	30.87331581	7.535428524	707.6055908	4.490437984
25-มี.ค.-24 07:00:00	30.14595795	7.429459572	709.3618774	4.300238132
25-มี.ค.-24 08:00:00	30.40385246	7.356602192	710.8361816	3.651661634
25-มี.ค.-24 09:00:00	32.95003891	7.298795223	712.3105469	2.779709339
25-มี.ค.-24 10:00:00	37.49078751	7.2406106	713.7848511	2.100076675
25-มี.ค.-24 11:00:00		7.167722225	715.2591553	
25-มี.ค.-24 12:00:00		7.080471516	716.7335205	
25-มี.ค.-24 13:00:00		7.088874817	718.2078247	
25-มี.ค.-24 14:00:00		7.097278118	719.6793823	
25-มี.ค.-24 15:00:00		7.105681419	719.1669312	
25-มี.ค.-24 16:00:00		7.133843899	718.6544189	
25-มี.ค.-24 17:00:00		7.188446045	718.1419067	
25-มี.ค.-24 18:00:00	39.35845184	7.261737823	717.6293945	
25-มี.ค.-24 19:00:00	34.65678406	7.350230217	717.1169434	
25-มี.ค.-24 20:00:00	32.78458023	7.385771275	716.6044312	
25-มี.ค.-24 21:00:00	31.56061554	7.443690777	716.0919189	
25-มี.ค.-24 22:00:00	32.28934479	7.960335732	737.7312622	7.482807159
25-มี.ค.-24 23:00:00	32.31654358	8.136774063	752.9587402	7.172872066
26-มี.ค.-24 00:00:00	32.18075943	7.857019424	758.2122803	6.591967583
26-มี.ค.-24 01:00:00	32.0449791	7.728806973	763.4657593	6.244731903
26-มี.ค.-24 02:00:00	31.90919685	7.677922726	768.7192383	6.12113905
26-มี.ค.-24 03:00:00	31.77341461	7.638509274	773.9277783	6.033965588
26-มี.ค.-24 04:00:00	31.63763237	7.599095345	779.2262573	5.962329865
26-มี.ค.-24 05:00:00	31.51586723	7.559681416	784.4797974	5.952237129
26-มี.ค.-24 06:00:00	31.39530945	7.511272907	789.7332764	4.718920231
26-มี.ค.-24 07:00:00	30.92668915	7.447233677	793.3775024	4.273315907
26-มี.ค.-24 08:00:00	30.94143105	7.383194447	796.3635254	3.611760855
26-มี.ค.-24 09:00:00	31.79185486	7.321557522	799.3495483	2.96833396
26-มี.ค.-24 10:00:00	33.55711746	7.273832798	802.3355713	2.416160345
26-มี.ค.-24 11:00:00	36.92559433	7.226108551	805.3215332	2.094359398
26-มี.ค.-24 12:00:00		7.178383827	808.3075562	
26-มี.ค.-24 13:00:00		7.13065958	811.2935791	
26-มี.ค.-24 14:00:00		7.082934856	814.2796021	
26-มี.ค.-24 15:00:00		7.063587666	814.828125	
26-มี.ค.-24 16:00:00		7.070640564	814.9651489	
26-มี.ค.-24 17:00:00		7.077693462	815.1021118	
26-มี.ค.-24 18:00:00	39.598629	7.084746838	815.2390747	
26-มี.ค.-24 19:00:00	35.95325089	7.091799736	815.3760986	
26-มี.ค.-24 20:00:00	32.35432434	7.098852634	815.5130615	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
26-มี.ค.-24 21:00:00	31.25609779	7.122220993	815.6500854	
26-มี.ค.-24 22:00:00	31.80123138	7.124787807	757.9121704	4.454513073
26-มี.ค.-24 23:00:00	32.38396072	7.646402836	712.8406982	7.335535049
27-มี.ค.-24 00:00:00	32.12947464	8.07369709	714.621521	6.849597454
27-มี.ค.-24 01:00:00	31.83531952	8.111117363	719.180542	6.457016468
27-มี.ค.-24 02:00:00	31.5411644	8.081324577	723.739624	5.77287674
27-มี.ค.-24 03:00:00	30.44425583	7.939435482	728.298645	3.913648367
27-มี.ค.-24 04:00:00	29.30879021	7.818262577	732.8572721	3.446520805
27-มี.ค.-24 05:00:00	28.46360397	7.751095295	737.416748	3.500851154
27-มี.ค.-24 06:00:00	27.71946907	7.685418606	741.9758301	2.648008347
27-มี.ค.-24 07:00:00	26.70676422	7.650772572	740.0254517	2.772484303
27-มี.ค.-24 08:00:00	27.70244026	7.573438168	737.0128784	2.108657122
27-มี.ค.-24 09:00:00	28.60307503	7.370157242	730.9804688	
27-มี.ค.-24 10:00:00	29.06620789	7.399186611	165.6350708	8.245781898
27-มี.ค.-24 11:00:00	29.77525902	7.39905262	124.8957672	7.159350872
27-มี.ค.-24 12:00:00	33.12725449	7.398918152	126.7576904	7.298809528
27-มี.ค.-24 13:00:00		7.398784161	128.6196136	5.934664249
27-มี.ค.-24 14:00:00		7.398650169	130.4815369	5.97740221
27-มี.ค.-24 15:00:00		7.398516178	132.3434601	5.811224937
27-มี.ค.-24 16:00:00		7.39838171	134.2053833	5.80105114
27-มี.ค.-24 17:00:00		7.398247719	136.0673065	5.81380853
27-มี.ค.-24 18:00:00	38.41204834	7.398581982	137.9292297	6.228307724
27-มี.ค.-24 19:00:00	35.64571381	7.398955822	138.8072052	6.641003132
27-มี.ค.-24 20:00:00	33.88185883	7.399329185	139.4518585	7.114663124
27-มี.ค.-24 21:00:00	32.37251663	7.399703026	140.0965271	7.165076256
27-มี.ค.-24 22:00:00	32.14698792	7.400076866	778.2160034	6.922290325
27-มี.ค.-24 23:00:00	32.02613068	8.011725426	782.9515991	6.817523479
28-มี.ค.-24 00:00:00	31.90527725	7.975713253	787.6871338	7.143497467
28-มี.ค.-24 01:00:00	31.78442192	7.939014912	792.4227295	6.52025795
28-มี.ค.-24 02:00:00	31.66356659	7.902317047	797.1583252	6.453875542
28-มี.ค.-24 03:00:00	31.54271126	7.865618706	801.8939209	6.361944199
28-มี.ค.-24 04:00:00	31.43317223	7.828920841	803.750061	7.320698261
28-มี.ค.-24 05:00:00	31.38078117	7.7922225	805.5941162	6.725730419
28-มี.ค.-24 06:00:00	31.32839203	7.755524158	807.4382324	6.498735428
28-มี.ค.-24 07:00:00	31.27600098	7.72090435	809.2822876	6.594779491
28-มี.ค.-24 08:00:00	31.22360992	7.69873333	811.1263428	6.51614666
28-มี.ค.-24 09:00:00	32.04138565	7.577358246	812.9703979	5.817878246
28-มี.ค.-24 10:00:00	33.47185898	7.487486362	814.8144531	5.051764965
28-มี.ค.-24 11:00:00	37.74855042	7.397614956	816.6796265	4.040986538
28-มี.ค.-24 12:00:00		7.307743073	818.6641846	3.159708977
28-มี.ค.-24 13:00:00		7.232660294	820.6487427	2.393244505
28-มี.ค.-24 14:00:00		7.215222836	822.6333008	
28-มี.ค.-24 15:00:00		7.197785378	824.6177979	
28-มี.ค.-24 16:00:00		7.180348396	826.602356	
28-มี.ค.-24 17:00:00		7.162910938	828.5869141	
28-มี.ค.-24 18:00:00	38.16572571	7.14547348	830.5714722	
28-มี.ค.-24 19:00:00	36.25848007	7.128036022	831.593811	
28-มี.ค.-24 20:00:00	34.78204727	7.121281624	830.4150391	
28-มี.ค.-24 21:00:00	33.07790375	7.120174408	829.2362061	
28-มี.ค.-24 22:00:00	32.10342789		801.6185913	7.779502869
28-มี.ค.-24 23:00:00	32.21663666		801.2166748	7.801034451
29-มี.ค.-24 00:00:00	32.12790298	8.177220345	800.8148193	7.29499054
29-มี.ค.-24 01:00:00	32.0391655	8.083539009	800.4129639	6.84465313
29-มี.ค.-24 02:00:00	31.95043182	7.955683231	800.0111084	6.639659882
29-มี.ค.-24 03:00:00	31.86169624	7.697973251	800.0839844	6.374296188
29-มี.ค.-24 04:00:00	31.77296257	7.626274109	801.5197144	6.22145462
29-มี.ค.-24 05:00:00	31.68422699	7.592151165	802.9554443	6.151805878
29-มี.ค.-24 06:00:00	31.63763046	7.558028221	804.3911743	6.110258579

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*Remark

Copy จากหน้า PI กรงกรเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
29-มี.ค.-24 07:00:00	31.60175133	7.523905277	805.8269043	6.023566723
29-มี.ค.-24 08:00:00	31.56587219	7.545222759	807.2626953	6.102786064
29-มี.ค.-24 09:00:00	32.04920197	7.558501244	808.6984253	6.201739788
29-มี.ค.-24 10:00:00	33.9187355	7.424634457	810.1341553	4.668699265
29-มี.ค.-24 11:00:00	36.68344498	7.345236778	811.8709106	3.137065172
29-มี.ค.-24 12:00:00	38.33392334	7.279891014	814.0363159	
29-มี.ค.-24 13:00:00		7.221354008	816.2017822	
29-มี.ค.-24 14:00:00		7.162817478	818.3671875	
29-มี.ค.-24 15:00:00		7.117134571	820.5326538	
29-มี.ค.-24 16:00:00		7.088451862	822.6981201	
29-มี.ค.-24 17:00:00		7.060348511	824.8635254	
29-มี.ค.-24 18:00:00	39.32845306	7.038416386	827.0289917	
29-มี.ค.-24 19:00:00	36.4635849	7.037184238	828.3544922	
29-มี.ค.-24 20:00:00	34.56987	7.035951614	829.0341187	
29-มี.ค.-24 21:00:00	33.11306	7.03471899	829.7136841	
29-มี.ค.-24 22:00:00	32.21389389	7.796938896	795.3930054	6.246394157
29-มี.ค.-24 23:00:00	32.36821747	7.985154152	789.7929077	6.542253971
30-มี.ค.-24 00:00:00	32.28826523	7.943470955	789.8771362	6.457063198
30-มี.ค.-24 01:00:00	32.20831299	7.901613712	789.9613647	6.317360401
30-มี.ค.-24 02:00:00	32.12836075	7.853986263	790.0456543	6.25661087
30-มี.ค.-24 03:00:00	32.04841232	7.806358337	790.1298828	6.138549805
30-มี.ค.-24 04:00:00	31.96845818	7.758730888	790.2141113	6.16180563
30-มี.ค.-24 05:00:00	31.88850784	7.72010231	790.2984009	6.174852848
30-มี.ค.-24 06:00:00	31.8085556	7.69692421	790.3826294	6.209647179
30-มี.ค.-24 07:00:00	31.81317711	7.673746586	792.1055298	6.213299751
30-มี.ค.-24 08:00:00	31.86474228	7.650568962	794.1175537	6.181190491
30-มี.ค.-24 09:00:00	33.26709366	7.488315582	796.1296387	5.019244194
30-มี.ค.-24 10:00:00	36.48	7.37	798.14	2.99
30-มี.ค.-24 11:00:00		7.26	800.15	
30-มี.ค.-24 12:00:00		7.19	802.17	
30-มี.ค.-24 13:00:00		7.11	804.18	
30-มี.ค.-24 14:00:00		7.05	806.19	
30-มี.ค.-24 15:00:00		7.03	806.93	
30-มี.ค.-24 16:00:00		7.01	807.67	
30-มี.ค.-24 17:00:00		6.99	808.41	
30-มี.ค.-24 18:00:00		6.98	809.15	
30-มี.ค.-24 19:00:00	36.74	6.99	809.89	
30-มี.ค.-24 20:00:00	34.84	6.99	810.63	
30-มี.ค.-24 21:00:00	32.43	8.09	863.65	6.55
30-มี.ค.-24 22:00:00	32.60	7.89	929.73	7.17
30-มี.ค.-24 23:00:00	32.57	7.61	934.44	6.91
31-มี.ค.-24 00:00:00	32.47	7.60	935.75	6.68
31/3/2024 1:00	32.37	7.59	937.06	6.44
31/3/2024 2:00	32.27	7.58	938.37	6.38
31/3/2024 3:00	32.17	7.57	939.69	6.24
31/3/2024 4:00	32.08	7.56	940.82	6.22
31/3/2024 5:00	31.98	7.56	939.39	6.12
31/3/2024 6:00	31.88	7.57	937.96	6.16
31/3/2024 7:00	31.92	7.59	936.53	6.12
31/3/2024 8:00	31.99	7.60	935.10	6.04
31/3/2024 9:00	32.16	7.70	933.67	6.19
31/3/2024 10:00	32.62	7.81	932.23	6.43
31/3/2024 11:00	36.00	7.57	930.80	5.01
31/3/2024 12:00		7.42	930.58	2.72
31/3/2024 13:00		7.28	932.27	
31/3/2024 14:00		7.20	933.97	
31/3/2024 15:00		7.15	935.66	
31/3/2024 16:00		7.14	937.36	

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*Remark

Copy จากหน้า PI กรงกรเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
31/3/2024 17:00		7.12	939.05	
31/3/2024 18:00		7.11	940.75	
31/3/2024 19:00	38.21	7.11	942.45	
31/3/2024 20:00	36.18	7.10	943.10	
31/3/2024 21:00	34.59	7.10	942.87	
31/3/2024 22:00	33.09	8.14	868.67	6.51
31/3/2024 23:00	33.00	7.51	865.83	6.45
1/4/2024 0:00	32.73	7.36	866.40	6.23

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*Remark

Copy ระวังการนำ PI value

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
01-เม.ย.-24 00:00:00	32.73	7.36	866.40	6.23
01-เม.ย.-24 01:00:00	32.46	7.39	866.97	6.15
01-เม.ย.-24 02:00:00	32.19	7.42	867.54	6.13
01-เม.ย.-24 03:00:00	31.92	7.46	868.11	6.18
01-เม.ย.-24 04:00:00	31.15	7.41	868.68	4.64
01-เม.ย.-24 05:00:00	30.15	7.37	869.24	3.02
01-เม.ย.-24 06:00:00	29.14	7.33	870.02	2.05
01-เม.ย.-24 07:00:00	28.79	7.30	873.72	
01-เม.ย.-24 08:00:00	31.20	7.27	877.42	
01-เม.ย.-24 09:00:00	34.29	7.17	881.13	
01-เม.ย.-24 10:00:00	36.97	7.12	884.83	
01-เม.ย.-24 11:00:00		7.06	888.53	
01-เม.ย.-24 12:00:00		7.01	892.23	
01-เม.ย.-24 13:00:00		6.98	895.93	
01-เม.ย.-24 14:00:00		6.97	898.90	
01-เม.ย.-24 15:00:00		6.95	899.20	
01-เม.ย.-24 16:00:00		6.94	899.50	
01-เม.ย.-24 17:00:00		6.92	899.80	
01-เม.ย.-24 18:00:00		7.14	900.10	
01-เม.ย.-24 19:00:00	38.19	7.09	900.39	
01-เม.ย.-24 20:00:00	35.86	7.02	900.69	
01-เม.ย.-24 21:00:00	34.19	7.04	900.99	
01-เม.ย.-24 22:00:00	32.80	7.79	801.17	6.27
01-เม.ย.-24 23:00:00	32.69	7.88	787.06	6.25
02-เม.ย.-24 00:00:00	32.51	7.83	787.85	6.12
02-เม.ย.-24 01:00:00	32.32	7.77	788.64	6.00
02-เม.ย.-24 02:00:00	32.14	7.72	789.43	5.95
02-เม.ย.-24 03:00:00	31.95	7.66	790.22	5.93
02-เม.ย.-24 04:00:00	31.59	7.43	791.01	4.66
02-เม.ย.-24 05:00:00	30.94	7.35	791.81	
02-เม.ย.-24 06:00:00	30.29	7.30	792.60	
02-เม.ย.-24 07:00:00	29.77	7.26	794.16	
02-เม.ย.-24 08:00:00	31.71	7.22	796.16	
02-เม.ย.-24 09:00:00	35.14	7.11	798.17	
02-เม.ย.-24 10:00:00		7.05	800.17	
02-เม.ย.-24 11:00:00		7.01	802.18	
02-เม.ย.-24 12:00:00		6.96	804.19	
02-เม.ย.-24 13:00:00		6.93	806.19	
02-เม.ย.-24 14:00:00		6.93	808.20	
02-เม.ย.-24 15:00:00		6.93	808.74	
02-เม.ย.-24 16:00:00		6.92	808.86	
02-เม.ย.-24 17:00:00		6.92	808.97	
02-เม.ย.-24 18:00:00		6.93	809.09	
02-เม.ย.-24 19:00:00	38.06	6.92	809.21	
02-เม.ย.-24 20:00:00	36.08	6.98	809.33	
02-เม.ย.-24 21:00:00	32.54	7.28	804.54	3.47
02-เม.ย.-24 22:00:00	32.98	8.20	843.69	7.33
02-เม.ย.-24 23:00:00	32.84	7.41	858.01	6.73
03-เม.ย.-24 00:00:00	32.70	7.33	860.64	6.35
03-เม.ย.-24 01:00:00	32.56	7.33	863.28	6.24
03-เม.ย.-24 02:00:00	32.41	7.33	865.91	6.15
03-เม.ย.-24 03:00:00	32.27	7.33	868.55	6.10
03-เม.ย.-24 04:00:00	32.13	7.33	871.18	6.03
03-เม.ย.-24 05:00:00	31.98	7.33	873.82	6.03
03-เม.ย.-24 06:00:00	31.56	7.20	484.87	3.18
03-เม.ย.-24 07:00:00	30.91	7.22	866.58	4.92
03-เม.ย.-24 08:00:00	31.29	7.18	871.87	4.22
03-เม.ย.-24 09:00:00	32.44	7.13	877.16	4.01

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*Remark

Copy ระวังการนำ PI value

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
03-เม.ย.-24 10:00:00	37.44	7.09	882.45	3.25
03-เม.ย.-24 11:00:00		7.02	884.41	2.37
03-เม.ย.-24 12:00:00		6.96	885.68	
03-เม.ย.-24 13:00:00		6.88	886.94	
03-เม.ย.-24 14:00:00		6.88	888.21	
03-เม.ย.-24 15:00:00		6.89	889.47	
03-เม.ย.-24 16:00:00		6.91	890.74	
03-เม.ย.-24 17:00:00		6.92	892.00	
03-เม.ย.-24 18:00:00	39.80	6.92	893.27	
03-เม.ย.-24 19:00:00	37.48	6.90	893.13	
03-เม.ย.-24 20:00:00	35.37	6.92	892.95	
03-เม.ย.-24 21:00:00	32.56	7.77	831.97	6.13
03-เม.ย.-24 22:00:00	32.78		814.54	7.33
03-เม.ย.-24 23:00:00	32.60	7.17	811.92	6.65
04-เม.ย.-24 00:00:00	32.41	7.07	809.30	6.39
04-เม.ย.-24 01:00:00	32.23	7.11	807.86	6.19
04-เม.ย.-24 02:00:00	32.05	7.15	811.55	6.00
04-เม.ย.-24 03:00:00	31.87	7.19	815.24	5.91
04-เม.ย.-24 04:00:00	31.68	7.22	818.94	5.80
04-เม.ย.-24 05:00:00	31.50	7.26	822.63	5.70
04-เม.ย.-24 06:00:00	31.37	7.30	826.32	5.50
04-เม.ย.-24 07:00:00	31.26	7.22	830.01	4.75
04-เม.ย.-24 08:00:00	31.74	7.08	833.71	
04-เม.ย.-24 09:00:00	32.68	7.02	836.76	
04-เม.ย.-24 10:00:00	34.25	6.97	838.59	
04-เม.ย.-24 11:00:00	37.60	6.92	840.42	
04-เม.ย.-24 12:00:00		6.87	842.25	
04-เม.ย.-24 13:00:00		6.79	844.07	
04-เม.ย.-24 14:00:00		6.77	845.90	
04-เม.ย.-24 15:00:00		6.78	847.73	
04-เม.ย.-24 16:00:00		6.80	849.56	
04-เม.ย.-24 17:00:00		6.82	850.41	
04-เม.ย.-24 18:00:00		6.85	850.26	
04-เม.ย.-24 19:00:00	37.80	6.87	850.10	
04-เม.ย.-24 20:00:00	35.79	6.90	849.94	
04-เม.ย.-24 21:00:00	34.23	6.92	849.79	
04-เม.ย.-24 22:00:00	32.54	7.43	841.41	5.92
04-เม.ย.-24 23:00:00	32.36	7.54	843.47	6.12
05-เม.ย.-24 00:00:00	32.19	7.51	845.53	6.04
05-เม.ย.-24 01:00:00	32.01	7.47	847.59	5.88
05-เม.ย.-24 02:00:00	31.84	7.42	849.64	5.85
05-เม.ย.-24 03:00:00	31.66	7.38	851.70	5.83
05-เม.ย.-24 04:00:00	31.25	7.22	853.76	4.46
05-เม.ย.-24 05:00:00	30.40	7.15	855.82	
05-เม.ย.-24 06:00:00	29.55	7.12	857.89	
05-เม.ย.-24 07:00:00	29.03	7.08	860.04	
05-เม.ย.-24 08:00:00	31.70	7.05	862.18	
05-เม.ย.-24 09:00:00	34.89	7.02	864.33	
05-เม.ย.-24 10:00:00		6.84	866.48	
05-เม.ย.-24 11:00:00		6.84	868.62	
05-เม.ย.-24 12:00:00		6.84	870.77	
05-เม.ย.-24 13:00:00		6.84	872.91	
05-เม.ย.-24 14:00:00		6.84	874.38	
05-เม.ย.-24 15:00:00		6.84	874.25	
05-เม.ย.-24 16:00:00		6.84	874.13	
05-เม.ย.-24 17:00:00		6.87	874.00	
05-เม.ย.-24 18:00:00		6.90	873.87	
05-เม.ย.-24 19:00:00	38.34	6.96	873.75	

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*Remark

Copy รายการ PI ในตารางเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
05-เม.ย.-24 20:00:00	36.40	7.01	873.62	
05-เม.ย.-24 21:00:00	32.88	7.98	950.93	7.13
05-เม.ย.-24 22:00:00	33.05	7.63	975.00	7.31
05-เม.ย.-24 23:00:00	32.96	7.65	974.72	6.87
06-เม.ย.-24 00:00:00	32.86	7.62	974.43	6.64
06-เม.ย.-24 01:00:00	32.76	7.58	974.15	6.34
06-เม.ย.-24 02:00:00	32.66	7.53	973.87	6.14
06-เม.ย.-24 03:00:00	32.57	7.49	973.58	5.95
06-เม.ย.-24 04:00:00	32.47	7.45	973.30	5.80
06-เม.ย.-24 05:00:00	32.37	7.40	973.05	5.75
06-เม.ย.-24 06:00:00	32.33	7.40	975.34	5.66
06-เม.ย.-24 07:00:00	32.31	7.39	977.62	5.60
06-เม.ย.-24 08:00:00	32.29	7.38	979.90	5.58
06-เม.ย.-24 09:00:00	33.11	7.31	982.19	4.78
06-เม.ย.-24 10:00:00	36.41	7.21	984.47	
06-เม.ย.-24 11:00:00	39.65	7.13	986.75	
06-เม.ย.-24 12:00:00		7.06	989.04	
06-เม.ย.-24 13:00:00		7.01	991.26	
06-เม.ย.-24 14:00:00		6.97	991.46	
06-เม.ย.-24 15:00:00		6.88	991.66	
06-เม.ย.-24 16:00:00		6.90	991.86	
06-เม.ย.-24 17:00:00		6.93	992.05	
06-เม.ย.-24 18:00:00		6.97	992.25	
06-เม.ย.-24 19:00:00	38.08	6.98	992.45	
06-เม.ย.-24 20:00:00	35.79	6.98	992.65	
06-เม.ย.-24 21:00:00	33.01	7.26	880.33	5.48
06-เม.ย.-24 22:00:00	33.34	7.76	830.35	6.58
06-เม.ย.-24 23:00:00	33.21	7.83	824.19	6.47
07-เม.ย.-24 00:00:00	33.07	7.81	824.33	6.24
07-เม.ย.-24 01:00:00	32.93	7.75	824.48	6.07
07-เม.ย.-24 02:00:00	32.80	7.69	824.62	5.97
07-เม.ย.-24 03:00:00	32.66	7.64	824.77	5.93
07-เม.ย.-24 04:00:00	32.53	7.58	824.91	5.88
07-เม.ย.-24 05:00:00	32.39	7.53	825.06	5.84
07-เม.ย.-24 06:00:00	32.27	7.47	825.20	5.86
07-เม.ย.-24 07:00:00	32.26	7.42	825.64	5.83
07-เม.ย.-24 08:00:00	32.25	7.39	826.10	5.78
07-เม.ย.-24 09:00:00	32.23	7.37	826.56	5.86
07-เม.ย.-24 10:00:00	35.37	7.20	827.02	2.40
07-เม.ย.-24 11:00:00	39.04	7.12	827.48	
07-เม.ย.-24 12:00:00		7.05	828.41	
07-เม.ย.-24 13:00:00		7.02	829.66	
07-เม.ย.-24 14:00:00		6.98	830.90	
07-เม.ย.-24 15:00:00		6.94	832.15	
07-เม.ย.-24 16:00:00		6.89	833.40	
07-เม.ย.-24 17:00:00		6.95	834.65	
07-เม.ย.-24 18:00:00		7.01	835.90	
07-เม.ย.-24 19:00:00	38.18	7.01	837.15	
07-เม.ย.-24 20:00:00	33.46	7.04	827.42	3.69
07-เม.ย.-24 21:00:00	34.07	7.83	831.49	6.57
07-เม.ย.-24 22:00:00	34.01	7.74	831.27	6.35
07-เม.ย.-24 23:00:00	33.94	7.65	831.05	6.07
08-เม.ย.-24 00:00:00	33.87	7.60	830.84	5.93
08-เม.ย.-24 01:00:00	33.81	7.55	830.62	5.72
08-เม.ย.-24 02:00:00	33.74	7.50	830.40	5.60
08-เม.ย.-24 03:00:00	33.67	7.45	830.19	5.56
08-เม.ย.-24 04:00:00	33.61	7.41	830.00	5.48
08-เม.ย.-24 05:00:00	33.47	7.36	831.64	5.47

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
08-เม.ย.-24 06:00:00	33.26	7.31	833.27	5.44
08-เม.ย.-24 07:00:00	32.67157364	7.254671574	834.9022827	2.695561409
08-เม.ย.-24 08:00:00	32.98005676	7.207192421	836.5354004	
08-เม.ย.-24 09:00:00	34.19562149	7.159713745	838.1685181	
08-เม.ย.-24 10:00:00	37.40341949	7.112235069	839.8016357	
08-เม.ย.-24 11:00:00		7.064756393	841.4347534	
08-เม.ย.-24 12:00:00		7.017277241	842.8934326	
08-เม.ย.-24 13:00:00		6.969798565	843.5053101	
08-เม.ย.-24 14:00:00		6.947612762	844.1172485	
08-เม.ย.-24 15:00:00		6.970719337	844.729126	
08-เม.ย.-24 16:00:00		6.993825912	845.3410645	
08-เม.ย.-24 17:00:00		7.016932487	845.9530029	
08-เม.ย.-24 18:00:00		7.040039063	846.5648804	
08-เม.ย.-24 19:00:00	38.19602203	7.042832375	847.1768188	
08-เม.ย.-24 20:00:00	36.50039291	7.036862373	847.2837524	
08-เม.ย.-24 21:00:00	33.74511337	7.320281982	756.3230313	6.351769924
08-เม.ย.-24 22:00:00	33.55270386	7.893753529	735.7176514	7.077960014
08-เม.ย.-24 23:00:00	33.36029053	8.049185753	732.9891968	6.715504646
09-เม.ย.-24 00:00:00	33.16788101	8.061631203	730.2607422	6.389146328
09-เม.ย.-24 01:00:00	32.97546768	8.016186714	728.9558105	6.237003803
09-เม.ย.-24 02:00:00	32.78305817	7.970742702	730.5522461	6.087095261
09-เม.ย.-24 03:00:00	32.59064484	7.89925766	732.1486206	6.089552879
09-เม.ย.-24 04:00:00	32.39823532	7.816239357	733.7450562	6.025130749
09-เม.ย.-24 05:00:00	32.20369339	7.733221054	735.3414307	6.044842243
09-เม.ย.-24 06:00:00	32.00674438	7.650202274	736.9378662	6.07389307
09-เม.ย.-24 07:00:00	31.80979729	7.567183971	738.5342407	5.681051731
09-เม.ย.-24 08:00:00	32.45537949	7.374797821	740.1306763	3.975551605
09-เม.ย.-24 09:00:00	34.04748154	7.308987617	741.932251	
09-เม.ย.-24 10:00:00	37.33460236	7.246478558	743.9581299	
09-เม.ย.-24 11:00:00		7.183969975	745.9840088	
09-เม.ย.-24 12:00:00		7.121460915	748.0098877	
09-เม.ย.-24 13:00:00		7.072658539	750.0358276	
09-เม.ย.-24 14:00:00		7.029900074	752.0617065	
09-เม.ย.-24 15:00:00		7.045776844	754.0875854	
09-เม.ย.-24 16:00:00		7.061653614	756.1134644	
09-เม.ย.-24 17:00:00		7.077529907	756.0999756	
09-เม.ย.-24 18:00:00		7.093406677	754.862793	
09-เม.ย.-24 19:00:00	39.56566238	7.095768452	753.6256714	
09-เม.ย.-24 20:00:00	33.28805542	7.214402676	740.2124634	5.284424305
09-เม.ย.-24 21:00:00	33.73070908	7.675680637	758.5261841	6.64560318
09-เม.ย.-24 22:00:00	33.61310196	7.818894863	760.4753418	6.525332928
09-เม.ย.-24 23:00:00	33.49549866	7.845507622	762.4244995	6.343407631
10-เม.ย.-24 00:00:00	33.37789536	7.797328949	764.3736572	6.254652977
10-เม.ย.-24 01:00:00	33.26028824	7.749149799	766.3228149	6.093252182
10-เม.ย.-24 02:00:00	33.14268494	7.70097065	768.2719727	6.001884937
10-เม.ย.-24 03:00:00	33.02508163	7.652791977	770.2211304	5.996098042
10-เม.ย.-24 04:00:00	32.90747833	7.603041172	772.1702881	5.979273319
10-เม.ย.-24 05:00:00	32.80982971	7.553219318	772.7647705	5.9786129
10-เม.ย.-24 06:00:00	32.76197433	7.503397465	773.2224731	6.01121521
10-เม.ย.-24 07:00:00	32.71411514	7.453576088	773.6802368	6.010478497
10-เม.ย.-24 08:00:00	32.73359299	7.394582748	774.1379395	5.236211777
10-เม.ย.-24 09:00:00	34.3360939	7.310721397	774.5957031	3.262568712
10-เม.ย.-24 10:00:00	35.22271347	7.243305206	775.0534058	
10-เม.ย.-24 11:00:00	37.89540863	7.20345974	775.8530884	
10-เม.ย.-24 12:00:00		7.163614273	777.1808472	
10-เม.ย.-24 13:00:00		7.123768806	778.5085449	
10-เม.ย.-24 14:00:00		7.08392334	779.8362427	
10-เม.ย.-24 15:00:00		7.070860863	781.1639404	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
10-เม.ย.-24 16:00:00		7.083849907	782.4916992	
10-เม.ย.-24 17:00:00		7.096838951	783.819397	
10-เม.ย.-24 18:00:00	39.60880661	7.107535362	785.1470947	
10-เม.ย.-24 19:00:00	37.59225464	7.118231773	785.7885132	
10-เม.ย.-24 20:00:00	36.09113312	7.128928185	785.8588867	
10-เม.ย.-24 21:00:00	34.68338013	7.139624596	785.9291992	
10-เม.ย.-24 22:00:00	33.31549835	7.303253174	734.0447388	5.871752739
10-เม.ย.-24 23:00:00	33.00261307	7.340869904	733.5950317	5.322247982
11-เม.ย.-24 00:00:00	32.49369812	7.265823364	733.1452637	3.469584942
11-เม.ย.-24 01:00:00	31.98478508	7.250261307	732.6955566	2.232085466
11-เม.ย.-24 02:00:00	31.47587204	7.234699249	732.3635864	
11-เม.ย.-24 03:00:00	30.96695709	7.219137669	733.3757324	
11-เม.ย.-24 04:00:00	30.39422798	7.203575611	734.3878784	
11-เม.ย.-24 05:00:00	29.70994568	7.18801403	735.4000244	
11-เม.ย.-24 06:00:00	32.85358047	7.274469376	723.5596313	4.985443115
11-เม.ย.-24 07:00:00	32.05347061	7.236283302	723.9813843	3.600090981
11-เม.ย.-24 08:00:00	32.35768127	7.198097229	724.4031372	2.314901829
11-เม.ย.-24 09:00:00	34.29563522	7.159911156	724.8248901	
11-เม.ย.-24 10:00:00	37.28729248	7.121725082	727.8269653	
11-เม.ย.-24 11:00:00		7.083539009	730.9102783	
11-เม.ย.-24 12:00:00	37.39378357	7.156636715	723.0454712	3.943615198
11-เม.ย.-24 13:00:00		7.093861103	725.1745605	2.322274923
11-เม.ย.-24 14:00:00		7.075585842	727.3035889	
11-เม.ย.-24 15:00:00		7.057310581	729.4326172	
11-เม.ย.-24 16:00:00		7.03903532	731.5616455	
11-เม.ย.-24 17:00:00		7.030003548	733.6907349	
11-เม.ย.-24 18:00:00		7.027536392	735.8197632	
11-เม.ย.-24 19:00:00	39.07833862	7.025069714	736.3441162	
11-เม.ย.-24 20:00:00	33.47269821	7.357976913	735.359314	6.112042904
11-เม.ย.-24 21:00:00	33.54536057	7.592891216	739.6377563	6.287826061
11-เม.ย.-24 22:00:00	33.46467972	7.613942146	743.9161987	6.159734726
11-เม.ย.-24 23:00:00	33.35663986	7.62239933	748.1946411	6.105824471
12-เม.ย.-24 00:00:00	33.24859619	7.586717129	752.4730835	6.027183056
12-เม.ย.-24 01:00:00	33.14055634	7.551034927	756.7515259	6.007412434
12-เม.ย.-24 02:00:00	33.03251648	7.515352726	761.0299683	5.986476421
12-เม.ย.-24 03:00:00	32.92447662	7.479670525	765.3084106	5.996669292
12-เม.ย.-24 04:00:00	32.81643677	7.4439888	768.5450439	6.005156517
12-เม.ย.-24 05:00:00	32.70862198	7.408306599	771.5412598	6.024330139
12-เม.ย.-24 06:00:00	32.6827774	7.372624397	774.5374756	6.048228741
12-เม.ย.-24 07:00:00	32.65692902	7.336438179	777.5336914	6.037374496
12-เม.ย.-24 08:00:00	32.79802322	7.298976898	780.5299072	5.853391647
12-เม.ย.-24 09:00:00	34.5399437	7.246566772	783.526123	4.021052361
12-เม.ย.-24 10:00:00	36.77173233	7.187183857	786.5223389	
12-เม.ย.-24 11:00:00	39.43861771	7.127801418	789.5185547	
12-เม.ย.-24 12:00:00		7.076658249	790.3779907	
12-เม.ย.-24 13:00:00		7.056303978	791.1636353	
12-เม.ย.-24 14:00:00		7.035949707	791.9493408	
12-เม.ย.-24 15:00:00		7.015594959	792.7350464	
12-เม.ย.-24 16:00:00		6.995240688	793.520752	
12-เม.ย.-24 17:00:00		6.997448921	794.3064575	
12-เม.ย.-24 18:00:00		7.013682842	795.0921021	
12-เม.ย.-24 19:00:00	37.5703392	7.029916286	795.7987671	
12-เม.ย.-24 20:00:00	35.51939011	7.046150208	795.5493164	
12-เม.ย.-24 21:00:00	33.6263237	7.062383652	795.2999268	
12-เม.ย.-24 22:00:00	33.05365372	7.119940281	807.3924561	5.218112946
12-เม.ย.-24 23:00:00	33.00629044	7.429586887	849.1600342	6.624034882
13-เม.ย.-24 00:00:00	32.95892715	7.5291996	859.3505859	6.473649502
13-เม.ย.-24 01:00:00	32.84730148	7.526065826	859.7312012	6.182112694

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
13-เม.ย.-24 02:00:00	32.71702576	7.495445728	860.1118774	5.981621265
13-เม.ย.-24 03:00:00	32.58675003	7.46482563	860.4925537	5.92079258
13-เม.ย.-24 04:00:00	32.45647049	7.434205532	860.87323	5.907397747
13-เม.ย.-24 05:00:00	32.32619476	7.403585434	861.2539063	5.869434357
13-เม.ย.-24 06:00:00	32.19591904	7.372965813	861.6345825	5.834661961
13-เม.ย.-24 07:00:00	32.15180588	7.342345715	856.3250122	5.805640697
13-เม.ย.-24 08:00:00	32.05450821	7.294229507	859.8913574	5.629693985
13-เม.ย.-24 09:00:00	33.55739212	7.210165501	863.4577637	2.694331884
13-เม.ย.-24 10:00:00	36.05078125	7.123429298	867.0241089	
13-เม.ย.-24 11:00:00	38.97584152	7.101187706	870.5905151	
13-เม.ย.-24 12:00:00		7.07894659	874.1568604	
13-เม.ย.-24 13:00:00		7.056705475	877.7232666	
13-เม.ย.-24 14:00:00		7.030155659	881.2896118	
13-เม.ย.-24 15:00:00		7.000848293	884.0704346	
13-เม.ย.-24 16:00:00		6.987496376	882.7186279	
13-เม.ย.-24 17:00:00	34.25201035	7.023615837	881.3668213	
13-เม.ย.-24 18:00:00	33.01552963	7.059735298	880.0150146	
13-เม.ย.-24 19:00:00	31.10717583	7.069221497	878.663147	
13-เม.ย.-24 20:00:00	33.12682724	7.118634701	773.3787231	5.810563087
13-เม.ย.-24 21:00:00	33.34212112	7.290235996	755.4391479	6.338511467
13-เม.ย.-24 22:00:00	33.23829651	7.329699516	754.6867065	6.295035839
13-เม.ย.-24 23:00:00	33.13446808	7.355603695	755.5253296	6.236484051
14-เม.ย.-24 00:00:00	33.03063965	7.356003761	756.3640137	6.189902782
14-เม.ย.-24 01:00:00	32.92681122	7.337444305	757.2026367	6.164248943
14-เม.ย.-24 02:00:00	32.82298279	7.318885326	758.0412598	6.138944149
14-เม.ย.-24 03:00:00	32.71915436	7.300326347	758.8799438	6.077311039
14-เม.ย.-24 04:00:00	32.61532593	7.281767368	759.7185669	6.109544277
14-เม.ย.-24 05:00:00	32.54850006	7.263208389	760.5948824	6.130733967
14-เม.ย.-24 06:00:00	32.49522018	7.24464941	761.9807129	6.12983799
14-เม.ย.-24 07:00:00	32.44194412	7.226090431	763.3670044	6.158668995
14-เม.ย.-24 08:00:00	32.38866806	7.212744713	764.7532349	6.095348358
14-เม.ย.-24 09:00:00	32.42245102	7.201376915	766.1395264	6.165635586
14-เม.ย.-24 10:00:00	32.65336609	7.190009117	767.5257568	6.184435368
14-เม.ย.-24 11:00:00	36.02627182	7.125790119	768.9120483	3.886646271
14-เม.ย.-24 12:00:00	38.94130325	7.045360565	770.2982788	
14-เม.ย.-24 13:00:00		7.008203983	771.5702515	
14-เม.ย.-24 14:00:00		7.004705906	772.4419556	
14-เม.ย.-24 15:00:00		7.001207829	773.3136597	
14-เม.ย.-24 16:00:00		6.997709751	774.1853638	
14-เม.ย.-24 17:00:00		6.992255211	775.0570679	
14-เม.ย.-24 18:00:00	38.18750381	6.960584641	775.928772	
14-เม.ย.-24 19:00:00	35.89772415	6.968453407	776.8004761	
14-เม.ย.-24 20:00:00	34.39255905	6.987619877	777.6721802	
14-เม.ย.-24 21:00:00	33.43193054	7.00678587	778.2975464	
14-เม.ย.-24 22:00:00	32.79070663	7.242303848	772.1456299	6.742031574
14-เม.ย.-24 23:00:00	32.78813171	7.374486923	776.2010498	6.616001129
15-เม.ย.-24 00:00:00	32.62519073	7.421892643	777.819519	6.337416172
15-เม.ย.-24 01:00:00	32.4214592	7.403608322	779.4379272	6.081839561
15-เม.ย.-24 02:00:00	32.21772385	7.385323524	781.0563354	5.982791901
15-เม.ย.-24 03:00:00	32.01399231	7.3443923	782.6748047	5.941105366
15-เม.ย.-24 04:00:00	31.81025887	7.302022457	784.2932129	5.981393814
15-เม.ย.-24 05:00:00	31.60652733	7.259652615	785.9116821	5.984046936
15-เม.ย.-24 06:00:00	31.1367321	7.214957714	787.5551147	4.407364845
15-เม.ย.-24 07:00:00	30.62122917	7.168038368	789.7747192	4.231918812
15-เม.ย.-24 08:00:00	31.9942627	7.127257347	791.9942627	3.23283267
15-เม.ย.-24 09:00:00	34.13777924	7.089946747	794.2138062	2.679549694
15-เม.ย.-24 10:00:00	38.81956863	7.052636147	796.4334106	2.209620476
15-เม.ย.-24 11:00:00		7.020893574	798.6529541	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
15-เม.ย.-24 12:00:00		7.012849808	800.8725586	
15-เม.ย.-24 13:00:00		7.004806042	803.0921021	
15-เม.ย.-24 14:00:00		6.996761799	804.8742676	
15-เม.ย.-24 15:00:00		6.988718033	804.8118286	
15-เม.ย.-24 16:00:00		6.99681282	804.7493286	
15-เม.ย.-24 17:00:00		7.027763844	804.6868896	
15-เม.ย.-24 18:00:00		7.058714867	804.6244507	
15-เม.ย.-24 19:00:00	37.24319077	7.125566006	804.5619507	
15-เม.ย.-24 20:00:00	35.16597748	7.194087505	804.4995117	
15-เม.ย.-24 21:00:00	33.29573822	7.092034817	734.1281128	6.551950455
15-เม.ย.-24 22:00:00	33.408638	8.249385834	736.1328735	6.680184364
15-เม.ย.-24 23:00:00	33.17641068	7.073747158	738.612915	6.311765194
16-เม.ย.-24 00:00:00	32.94418716	7.070896149	741.0929565	6.24384594
16-เม.ย.-24 01:00:00	32.71195984	7.12166214	743.5730591	6.070090771
16-เม.ย.-24 02:00:00	32.47973251	7.187940121	746.0531006	5.972588539
16-เม.ย.-24 03:00:00	32.24750519	7.254218102	748.5331421	6.013719559
16-เม.ย.-24 04:00:00	31.7665081	7.206573486	751.0132446	4.789916992
16-เม.ย.-24 05:00:00	30.89458847	7.17855978	753.4830322	2.773283958
16-เม.ย.-24 06:00:00	30.02266884	7.150545597	755.890625	
16-เม.ย.-24 07:00:00	29.72816658	7.122531891	758.2982788	
16-เม.ย.-24 08:00:00	31.32195663	7.094517708	760.7058716	
16-เม.ย.-24 09:00:00	35.32954788	7.044979095	763.1135254	
16-เม.ย.-24 10:00:00		6.991005898	765.5211792	
16-เม.ย.-24 11:00:00		6.9370327	767.928772	
16-เม.ย.-24 12:00:00		6.785897255	770.3364258	
16-เม.ย.-24 13:00:00		6.813185215	771.8364258	
16-เม.ย.-24 14:00:00		6.823128223	771.1173706	
16-เม.ย.-24 15:00:00		6.833071709	770.3982544	
16-เม.ย.-24 16:00:00		6.843014717	769.6791992	
16-เม.ย.-24 17:00:00		6.852957726	768.960144	
16-เม.ย.-24 18:00:00		6.862900734	768.2410278	
16-เม.ย.-24 19:00:00	37.26857376	6.89715004	767.5219727	
16-เม.ย.-24 20:00:00	35.23459625	6.939203262	766.8028564	
16-เม.ย.-24 21:00:00	33.1694603	7.547468662	743.0595703	10.66713047
16-เม.ย.-24 22:00:00	33.13827896	7.740509033	745.4870605	9.825029373
16-เม.ย.-24 23:00:00	32.94583511	7.72713995	747.9146118	9.560691833
17-เม.ย.-24 00:00:00	32.75339127	7.683831215	750.3421631	9.24711132
17-เม.ย.-24 01:00:00	32.56095123	7.64052248	752.7696533	8.677480698
17-เม.ย.-24 02:00:00	32.36850739	7.597213745	755.1972046	8.133880615
17-เม.ย.-24 03:00:00	32.17606354	7.55390501	757.6247559	7.911923885
17-เม.ย.-24 04:00:00	31.9836216	7.515578747	760.008728	7.696454048
17-เม.ย.-24 05:00:00	31.79117775	7.401183128	761.9614868	7.114171505
17-เม.ย.-24 06:00:00	30.93349838	7.296559811	763.9141846	3.415204287
17-เม.ย.-24 07:00:00	30.47408295	7.237383842	765.8668823	
17-เม.ย.-24 08:00:00	31.706707	7.178207397	767.8196411	
17-เม.ย.-24 09:00:00	34.78116989	7.119031429	769.7723389	
17-เม.ย.-24 10:00:00	39.56121826	7.059855461	771.7250366	
17-เม.ย.-24 11:00:00		7.000679493	773.6777954	
17-เม.ย.-24 12:00:00		6.929807186	775.2922974	
17-เม.ย.-24 13:00:00		6.812385082	775.8693237	
17-เม.ย.-24 14:00:00		6.81901741	776.4464111	
17-เม.ย.-24 15:00:00		6.836454391	777.0234375	
17-เม.ย.-24 16:00:00		6.853891373	777.6004639	
17-เม.ย.-24 17:00:00		6.884702682	778.1775513	
17-เม.ย.-24 18:00:00		6.956431866	778.7545776	
17-เม.ย.-24 19:00:00	37.36347198	6.976837158	779.331604	
17-เม.ย.-24 20:00:00	35.60795212	6.997241974	779.4267578	
17-เม.ย.-24 21:00:00	34.10311127	7.025939941	778.7990112	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
17-เม.ย.-24 22:00:00	33.19838715		744.8012695	9.555924416
17-เม.ย.-24 23:00:00	32.99650955	7.119999886	752.5565796	9.210355759
18-เม.ย.-24 00:00:00	32.79463577	7.289999962	754.6098022	8.916384697
18-เม.ย.-24 01:00:00	32.59276199	6.699971676	756.6630249	8.525103569
18-เม.ย.-24 02:00:00	32.3908844	6.80318594	758.7163086	8.277256966
18-เม.ย.-24 03:00:00	32.18901062	6.906399727	760.7695313	8.10445118
18-เม.ย.-24 04:00:00	31.98713493	7.009613514	762.8227539	7.980862141
18-เม.ย.-24 05:00:00	31.78525925	7.097011566	764.8760376	7.964485168
18-เม.ย.-24 06:00:00	31.45024109	7.022629738	766.9292603	8.827653885
18-เม.ย.-24 07:00:00	30.82065964	6.957812786	769.2359009	8.993703842
18-เม.ย.-24 08:00:00	32.15343475	6.892995834	771.6497803	8.283074379
18-เม.ย.-24 09:00:00	34.21510696	6.841720104	774.0635986	8.015270233
18-เม.ย.-24 10:00:00	38.37572098	6.802359581	776.477417	7.914896488
18-เม.ย.-24 11:00:00		6.762998581	778.8912964	7.639801979
18-เม.ย.-24 12:00:00		6.723637581	781.3051147	7.359416962
18-เม.ย.-24 13:00:00		6.676422119	783.7189331	7.081233025
18-เม.ย.-24 14:00:00		6.615968704	786.1328125	6.884922028
18-เม.ย.-24 15:00:00		6.595894337	785.7803955	6.604524612
18-เม.ย.-24 16:00:00		6.633768559	784.6627808	6.415897846
18-เม.ย.-24 17:00:00		6.675495148	783.5452271	6.657578468
18-เม.ย.-24 18:00:00	39.34174728	6.718515873	782.4276123	6.95571661
18-เม.ย.-24 19:00:00	36.84809494	6.729141712	781.3099976	7.038664818
18-เม.ย.-24 20:00:00	35.28690338	6.739768028	780.1924438	7.041751385
18-เม.ย.-24 21:00:00	32.78162384	8.229774475	833.4106445	9.113284111
18-เม.ย.-24 22:00:00	32.86707687		873.5167847	9.529802322
18-เม.ย.-24 23:00:00	32.69039536	7.745927811	873.6200562	8.881151199
19-เม.ย.-24 00:00:00	32.51371765	7.996842384	873.7233276	8.353475571
19-เม.ย.-24 01:00:00	32.33703613	7.935331821	873.8265991	8.040641785
19-เม.ย.-24 02:00:00	32.16035843	7.873820782	873.9298706	7.872804642
19-เม.ย.-24 03:00:00	31.98367691	7.812309742	874.0331421	7.720155716
19-เม.ย.-24 04:00:00	31.8069973	7.750798702	874.1364746	7.85910511
19-เม.ย.-24 05:00:00	31.63031769	7.694137573	874.2397461	7.902158737
19-เม.ย.-24 06:00:00	31.11205292	7.490820885	875.1223755	8.898194313
19-เม.ย.-24 07:00:00	30.47869492	7.390781879	877.3674316	9.077233315
19-เม.ย.-24 08:00:00	31.96599579	7.315516949	879.6124878	8.518269539
19-เม.ย.-24 09:00:00	33.83747101	7.244216919	881.8575439	8.112719536
19-เม.ย.-24 10:00:00	36.54008865	7.185646057	884.1026001	7.982010841
19-เม.ย.-24 11:00:00		7.127075195	886.3476563	7.688380241
19-เม.ย.-24 12:00:00		7.068504333	888.5927124	7.685905457
19-เม.ย.-24 13:00:00		7.009933472	890.8377686	7.279110432
19-เม.ย.-24 14:00:00		6.944564342	891.7703857	7.277239323
19-เม.ย.-24 15:00:00		6.871969223	891.4752197	7.020256996
19-เม.ย.-24 16:00:00		6.881792068	891.1801147	6.87542057
19-เม.ย.-24 17:00:00		6.895575523	890.8850098	6.798770428
19-เม.ย.-24 18:00:00	39.32605743	6.952619076	890.5898438	6.984074593
19-เม.ย.-24 19:00:00	36.76142883	6.942409515	890.2947388	7.101146221
19-เม.ย.-24 20:00:00	35.29793167	6.94037056	889.9996338	7.14508152
19-เม.ย.-24 21:00:00	33.89810181	6.947721958	889.7044678	7.21193552
19-เม.ย.-24 22:00:00	32.16760635	6.986792564	819.2278442	5.865010337
19-เม.ย.-24 23:00:00	32.77166367	7.793601036	791.8997803	9.816514015
20-เม.ย.-24 00:00:00	32.76440048	7.768228054	792.7045288	9.1924963
20-เม.ย.-24 01:00:00	32.51838684	7.655436039	793.7080078	8.594327927
20-เม.ย.-24 02:00:00	32.2723732	7.533099651	796.4462891	8.230129242
20-เม.ย.-24 03:00:00	31.98670197	7.259714127	799.1845703	8.7404356
20-เม.ย.-24 04:00:00	31.32688904	7.167529583	801.9228516	8.906230927
20-เม.ย.-24 05:00:00	30.6670742	7.122433662	804.6611938	8.862912178
20-เม.ย.-24 06:00:00	30.43044853	7.077337742	807.3994751	8.913495064
20-เม.ย.-24 07:00:00	30.28706932	7.031856537	810.1377563	8.821186066

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
20-เม.ย.-24 08:00:00	31.00855446	6.986240864	812.8760376	8.587036133
20-เม.ย.-24 09:00:00	32.84522247	6.940625668	815.2043457	8.19940567
20-เม.ย.-24 10:00:00	37.99039459	6.895009995	816.3470459	7.773458004
20-เม.ย.-24 11:00:00		6.798734665	817.4897461	7.958162785
20-เม.ย.-24 12:00:00		6.712419987	818.6324463	7.565262794
20-เม.ย.-24 13:00:00		6.709109783	819.7751465	7.395841122
20-เม.ย.-24 14:00:00		6.705830574	820.9177856	7.065064907
20-เม.ย.-24 15:00:00		6.706959724	822.0604858	6.724016666
20-เม.ย.-24 16:00:00		6.708088875	823.203186	6.648125648
20-เม.ย.-24 17:00:00		6.709217548	823.6549683	6.583909035
20-เม.ย.-24 18:00:00	39.56591797	6.71309185	822.8989258	6.780077457
20-เม.ย.-24 19:00:00	36.86308289	6.723649979	822.1428833	7.048719406
20-เม.ย.-24 20:00:00	35.11020279	6.738473892	821.3868408	7.140266895
20-เม.ย.-24 21:00:00	33.75974655	6.753298283	820.6307983	7.224885464
20-เม.ย.-24 22:00:00	32.55655289	6.978664875	825.1099854	6.011011124
20-เม.ย.-24 23:00:00	33.07004547	7.886618614	845.1998901	8.40349102
21-เม.ย.-24 00:00:00	32.98442841	7.999276638	852.7771606	8.605745316
21-เม.ย.-24 01:00:00	32.89880753	7.956029892	855.836731	8.261907578
21-เม.ย.-24 02:00:00	32.81319046	7.883411884	858.8963013	8.03625679
21-เม.ย.-24 03:00:00	32.72757339	7.8107934	861.9558716	7.868967533
21-เม.ย.-24 04:00:00	32.64195251	7.738175392	865.0154419	7.753793716
21-เม.ย.-24 05:00:00	32.55633545	7.665557384	868.0750122	7.673396111
21-เม.ย.-24 06:00:00	32.47071838	7.61284256	871.1346436	7.727223873
21-เม.ย.-24 07:00:00	32.43050003	7.58586359	874.1942139	7.761852741
21-เม.ย.-24 08:00:00	32.44159317	7.558884621	876.3917847	7.789245605
21-เม.ย.-24 09:00:00	32.45268631	7.549981594	878.4755249	7.951224327
21-เม.ย.-24 10:00:00	32.46377945	7.564852715	880.5592651	8.105881691
21-เม.ย.-24 11:00:00	36.55569077	7.219736576	882.6430054	8.137119293
21-เม.ย.-24 12:00:00		7.11618042	884.7267456	7.578110695
21-เม.ย.-24 13:00:00		7.041109085	886.8104858	7.151182652
21-เม.ย.-24 14:00:00		7.014363289	888.8942261	6.893607616
21-เม.ย.-24 15:00:00		6.98761797	890.8532104	7.1678195
21-เม.ย.-24 16:00:00		6.960872173	889.6119385	7.035208702
21-เม.ย.-24 17:00:00		6.933446407	888.3706665	7.044576168
21-เม.ย.-24 18:00:00		6.904779911	887.1293335	6.980679035
21-เม.ย.-24 19:00:00	38.46023941	6.855422974	885.8880615	7.279999733
21-เม.ย.-24 20:00:00	36.48963165	6.865595818	884.6467896	7.53899765
21-เม.ย.-24 21:00:00	34.89789963	6.871703625	883.4055176	7.642358303
21-เม.ย.-24 22:00:00	33.30617142	6.873343945	882.1641846	7.669709682
21-เม.ย.-24 23:00:00	33.00168228	8.188217163	812.0668335	10.87620926
22-เม.ย.-24 00:00:00	32.76562881	7.698617935	814.6828613	10.005126
22-เม.ย.-24 01:00:00	32.52957535	6.772227764	817.2988892	8.708666801
22-เม.ย.-24 02:00:00	32.29352188	6.804408073	819.914917	8.423364639
22-เม.ย.-24 03:00:00	32.05746841	6.836588383	822.5308838	8.007107735
22-เม.ย.-24 04:00:00	31.82141304	6.868769169	825.1469116	7.814896584
22-เม.ย.-24 05:00:00	31.38343048	6.786781311	827.7629395	8.884227753
22-เม.ย.-24 06:00:00	30.66913605	6.761837482	830.3789673	9.101798058
22-เม.ย.-24 07:00:00	30.5714035	6.736893177	833.4215698	8.972882271
22-เม.ย.-24 08:00:00	31.54810333	6.711949348	836.8933105	8.707304955
22-เม.ย.-24 09:00:00	33.70486832	6.687005043	840.3649902	8.248970032
22-เม.ย.-24 10:00:00	32.99961853	6.776812553	822.9393921	7.345488071
22-เม.ย.-24 11:00:00	36.48944092	6.851526737	825.7039185	8.138292313
22-เม.ย.-24 12:00:00		6.768676758	828.4684448	7.45230484
22-เม.ย.-24 13:00:00		6.755487442	831.2329712	7.085588932
22-เม.ย.-24 14:00:00		6.742298126	833.9974976	6.85247612
22-เม.ย.-24 15:00:00		6.72910881	836.7620239	6.862083912
22-เม.ย.-24 16:00:00		6.715919495	839.5265503	6.904831886
22-เม.ย.-24 17:00:00		6.709951878	841.4433786	6.908851147

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
22-เม.ย.-24 18:00:00		6.711246967	841.1880493	7.077507496
22-เม.ย.-24 19:00:00	38.61035538	6.712542534	840.932373	7.234355927
22-เม.ย.-24 20:00:00	36.6708107	6.662795544	840.6766968	7.559116364
22-เม.ย.-24 21:00:00	33.59338379	6.705248833	827.1983032	9.125219345
22-เม.ย.-24 22:00:00	33.10836411	7.626121044	829.1152954	8.262145042
22-เม.ย.-24 23:00:00	33.12262726	7.716034412	831.0322266	8.387094498
23-เม.ย.-24 00:00:00	32.96278	7.673954964	832.9492188	8.176309586
23-เม.ย.-24 01:00:00	32.80293274	7.631875038	834.8662109	7.968923092
23-เม.ย.-24 02:00:00	32.64308548	7.589795589	836.7832031	7.935565948
23-เม.ย.-24 03:00:00	32.48323822	7.547716141	838.7001953	7.861844063
23-เม.ย.-24 04:00:00	32.32339096	7.505636692	840.6171875	7.747818947
23-เม.ย.-24 05:00:00	32.1635437	7.463557243	842.5263672	7.879126072
23-เม.ย.-24 06:00:00	32.00369644	7.426593781	844.3651733	7.938303471
23-เม.ย.-24 07:00:00	31.94201851	7.39087677	846.2040405	7.943698883
23-เม.ย.-24 08:00:00	33.26302719	7.155154228	848.0428467	8.632910728
23-เม.ย.-24 09:00:00	35.59907532	7.097969055	849.8817139	8.201794624
23-เม.ย.-24 10:00:00	38.20182419	7.040783882	851.72052	7.976063251
23-เม.ย.-24 11:00:00		6.983598709	853.5593872	7.630163193
23-เม.ย.-24 12:00:00		6.926413059	855.3982544	7.307693005
23-เม.ย.-24 13:00:00		6.880239964	856.7713623	7.085401058
23-เม.ย.-24 14:00:00		6.844254971	856.7878418	6.598713398
23-เม.ย.-24 15:00:00		6.808269978	856.8043823	6.792126656
23-เม.ย.-24 16:00:00		6.786268234	856.8208618	6.701471806
23-เม.ย.-24 17:00:00		6.809162617	856.8373413	6.585891247
23-เม.ย.-24 18:00:00		6.832005501	856.8538818	6.663711071
23-เม.ย.-24 19:00:00	38.9825325	6.854772568	856.8703613	
23-เม.ย.-24 20:00:00	36.78508759	6.877539635	856.8868408	
23-เม.ย.-24 21:00:00	35.04251099	6.900306702	856.2515259	
23-เม.ย.-24 22:00:00	33.66002274	6.923073769	853.909729	
23-เม.ย.-24 23:00:00	32.56042099	6.945840836	851.5678711	
24-เม.ย.-24 00:00:00	32.90376663	8.015814781	816.7335815	9.467992783
24-เม.ย.-24 01:00:00	32.75396729	8.195476532	820.3942871	9.136235237
24-เม.ย.-24 02:00:00	32.60417175	7.106361389	824.050537	8.5395298
24-เม.ย.-24 03:00:00	32.45437241	6.868059158	827.7157593	8.305112839
24-เม.ย.-24 04:00:00	32.30457687	6.876027584	831.3765259	8.0593947153
24-เม.ย.-24 05:00:00	32.15477753	6.900777817	835.0372925	8.031420708
24-เม.ย.-24 06:00:00	32.00498199	6.932207584	838.697998	8.006644249
24-เม.ย.-24 07:00:00	31.85518265	6.963637352	842.3587646	7.99036026
24-เม.ย.-24 08:00:00	33.14601517	6.802104473	844.8295288	8.648392677
24-เม.ย.-24 09:00:00	35.57781219	6.752728462	846.9353027	7.907906532
24-เม.ย.-24 10:00:00	38.61908722	6.703352451	849.0410767	7.89169693
24-เม.ย.-24 11:00:00		6.65397644	851.1468506	7.712255955
24-เม.ย.-24 12:00:00		6.633287907	853.2526245	7.3640275
24-เม.ย.-24 13:00:00		6.619279385	855.3583984	7.172393799
24-เม.ย.-24 14:00:00		6.605270863	857.4641724	6.800107479
24-เม.ย.-24 15:00:00		6.591261864	859.5999463	6.859112263
24-เม.ย.-24 16:00:00		6.581203938	858.7868652	6.919223309
24-เม.ย.-24 17:00:00		6.584332466	857.7507324	6.886915207
24-เม.ย.-24 18:00:00		6.621416569	856.7145996	7.144934654
24-เม.ย.-24 19:00:00	38.83766556	6.666480541	855.6784668	7.324307442
24-เม.ย.-24 20:00:00	36.79452515	6.697704792	854.6422729	7.414520741
24-เม.ย.-24 21:00:00	35.13134766	6.702095985	853.6061401	7.545401573
24-เม.ย.-24 22:00:00	33.11210632	7.976918697	820.2342529	9.945195198
24-เม.ย.-24 23:00:00	33.1037674	7.606995106	822.6272583	9.346270561
25-เม.ย.-24 00:00:00	32.96353912	7.558102131	825.0203247	8.707568169
25-เม.ย.-24 01:00:00	32.82331085	7.520602703	827.4133301	8.389027596
25-เม.ย.-24 02:00:00	32.68308258	7.483103752	829.8063965	8.13263607
25-เม.ย.-24 03:00:00	32.54285431	7.445604324	832.1994019	7.995243549

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
25-เม.ย.-24 04:00:00	32.40262604	7.408104897	834.3582764	7.887825966
25-เม.ย.-24 05:00:00	32.26239777	7.370962143	835.9248657	7.923498631
25-เม.ย.-24 06:00:00	32.12216949	7.354870319	837.491394	7.995285511
25-เม.ย.-24 07:00:00	32.12270355	7.338778496	839.0579834	7.948133945
25-เม.ย.-24 08:00:00	33.41884232	7.143396854	840.6245728	8.597439766
25-เม.ย.-24 09:00:00	36.15188599	7.059119225	842.1911011	7.779085636
25-เม.ย.-24 10:00:00	39.75232697	6.879585266	140.8451996	2.018207788
25-เม.ย.-24 11:00:00		6.812048435	138.7520294	
25-เม.ย.-24 12:00:00		6.804257393	136.6588593	2.400951147
25-เม.ย.-24 13:00:00		6.796466351	134.5656891	2.561975002
25-เม.ย.-24 14:00:00		6.788675308	132.4725189	2.377966166
25-เม.ย.-24 15:00:00		6.785021782	130.3793488	2.183014631
25-เม.ย.-24 16:00:00		6.782314301	129.8310394	
25-เม.ย.-24 17:00:00		6.779606819	130.5609589	
25-เม.ย.-24 18:00:00		6.776899815	131.2908936	
25-เม.ย.-24 19:00:00		6.774868011	132.020813	
25-เม.ย.-24 20:00:00		6.7818923	132.7507324	
25-เม.ย.-24 21:00:00	37.85267639	6.788916588	133.4806519	
25-เม.ย.-24 22:00:00	33.25362396	8.192627907	820.7157593	10.75979424
25-เม.ย.-24 23:00:00	33.39748383	8.435052872	823.5986938	10.71483231
26-เม.ย.-24 00:00:00	33.26403046	7.554841995	826.4815674	9.642720222
26-เม.ย.-24 01:00:00	33.11640549	6.837311268	829.364502	9.135150909
26-เม.ย.-24 02:00:00	32.96878052	6.791949749	832.2473755	8.909152031
26-เม.ย.-24 03:00:00	32.82115555	6.825415611	835.130249	8.619573593
26-เม.ย.-24 04:00:00	32.67353058	6.87721777	838.0131836	8.421062469
26-เม.ย.-24 05:00:00	32.52590561	6.929020405	840.8960571	8.456106186
26-เม.ย.-24 06:00:00	32.37828064	6.980822563	842.8895874	8.378314972
26-เม.ย.-24 07:00:00	32.26049423	7.032625198	843.921814	8.423134804
26-เม.ย.-24 08:00:00	32.40721512	7.084427357	844.9539795	8.401626587
26-เม.ย.-24 09:00:00	32.553936	7.173894882	845.9862061	8.665701866
26-เม.ย.-24 10:00:00	32.84878922	7.265433788	847.0183716	9.054730415
26-เม.ย.-24 11:00:00	36.7217865	6.942537785	162.3761749	
26-เม.ย.-24 12:00:00		6.883738041	130.6596527	
26-เม.ย.-24 13:00:00		6.826056004	130.6560822	
26-เม.ย.-24 14:00:00		6.716906071	290.2423706	5.125905991
26-เม.ย.-24 15:00:00		6.716578484	825.230835	5.144115448
26-เม.ย.-24 16:00:00		6.71625042	838.9228516	4.162224293
26-เม.ย.-24 17:00:00		6.715922832	846.7579956	3.167174339
26-เม.ย.-24 18:00:00		6.715595245	853.9776611	2.543710232
26-เม.ย.-24 19:00:00	39.91880417	6.715267181	857.1477051	2.47698307
26-เม.ย.-24 20:00:00	37.48078537	6.714939594	860.317749	2.316356421
26-เม.ย.-24 21:00:00	33.43833923	7.483771801	867.8216553	7.349072933
26-เม.ย.-24 22:00:00	33.31959534	7.796019077	960.8603516	11.30596542
26-เม.ย.-24 23:00:00	33.20085526	8.185671806	964.2243042	10.35509968
27-เม.ย.-24 00:00:00	32.96446609	7.664007664	967.5882568	9.371740341
27-เม.ย.-24 01:00:00	32.70821381	7.567243099	970.9522705	8.975732803
27-เม.ย.-24 02:00:00	32.45196152	7.542236805	974.3162231	8.542635918
27-เม.ย.-24 03:00:00	32.19570923	7.517230511	977.6801758	8.497097969
27-เม.ย.-24 04:00:00	31.93945885	7.492224216	980.3927002	8.386253357
27-เม.ย.-24 05:00:00	31.41024208	7.372177601	982.2288208	7.586544991
27-เม.ย.-24 06:00:00	30.58597374	7.31827879	984.0649414	6.495585918
27-เม.ย.-24 07:00:00	30.22987747	7.264379978	985.901062	5.741338253
27-เม.ย.-24 08:00:00	32.039711	7.210481167	987.7371826	4.640840054
27-เม.ย.-24 09:00:00	36.5306015	7.156049728	989.5733643	3.839841366
27-เม.ย.-24 10:00:00		7.09992218	991.4094849	2.710494518
27-เม.ย.-24 11:00:00		7.043794155	993.2456055	
27-เม.ย.-24 12:00:00		6.98766613	994.7119141	2.312516212
27-เม.ย.-24 13:00:00		6.938777924	995.907959	2.139210463

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
27-เม.ย.-24 14:00:00		6.918351173	997.1040039	
27-เม.ย.-24 15:00:00		6.897924423	998.3000488	
27-เม.ย.-24 16:00:00		6.877497196	999.4960938	
27-เม.ย.-24 17:00:00		6.857070446	1000.692139	
27-เม.ย.-24 18:00:00		6.841717243	1001.888123	
27-เม.ย.-24 19:00:00	38.8012619	6.842283726	1003.084167	
27-เม.ย.-24 20:00:00	37.10685349	6.842850685	1000.714355	
27-เม.ย.-24 21:00:00	33.31547546	8.105799675	908.5410767	8.424048424
27-เม.ย.-24 22:00:00	33.59678268	7.221129417	864.8511963	9.847811699
27-เม.ย.-24 23:00:00	33.44756699	7.162566662	866.6400146	9.110527039
28-เม.ย.-24 00:00:00	33.29834747	7.104003429	868.428833	8.707550049
28-เม.ย.-24 01:00:00	33.14913177	7.093887329	870.2176514	8.318128586
28-เม.ย.-24 02:00:00	32.99991608	7.096198559	872.0064697	8.152002335
28-เม.ย.-24 03:00:00	32.85070038	7.098509789	873.7952881	8.173148155
28-เม.ย.-24 04:00:00	32.70148087	7.100821018	875.5841064	8.079651833
28-เม.ย.-24 05:00:00	32.55226517	7.103132725	877.3729248	8.220136642
28-เม.ย.-24 06:00:00	31.89574051	6.961539268	879.3820801	6.652682304
28-เม.ย.-24 07:00:00	31.37049103	6.90609026	881.6652832	4.976130486
28-เม.ย.-24 08:00:00	32.85211182	6.850641251	883.9484253	3.946689606
28-เม.ย.-24 09:00:00	35.029953	6.800929546	886.2315674	2.656035185
28-เม.ย.-24 10:00:00		6.752951145	888.5147095	
28-เม.ย.-24 11:00:00		6.704972267	890.7978516	
28-เม.ย.-24 12:00:00		6.656993389	893.0810547	
28-เม.ย.-24 13:00:00		6.609014988	895.3641968	
28-เม.ย.-24 14:00:00		6.56103611	896.7280884	
28-เม.ย.-24 15:00:00		6.549730301	897.4755859	
28-เม.ย.-24 16:00:00		6.555310249	898.2230252	
28-เม.ย.-24 17:00:00		6.560889721	898.97052	
28-เม.ย.-24 18:00:00		6.566469193	899.7180176	
28-เม.ย.-24 19:00:00	39.21326065	6.579046249	900.4655151	
28-เม.ย.-24 20:00:00	37.25682831	6.592283249	901.2129517	
28-เม.ย.-24 21:00:00	33.63453674		890.7874146	10.13940716
28-เม.ย.-24 22:00:00	33.56988525	6.807019711	882.6780396	9.713612556
28-เม.ย.-24 23:00:00	33.4400444	7.017313957	880.6126709	9.013951302
29-เม.ย.-24 00:00:00	33.31020737	7.063896179	878.5473022	8.448916435
29-เม.ย.-24 01:00:00	33.18036652	7.095596313	876.4819946	8.204264641
29-เม.ย.-24 02:00:00	33.05052567	7.127296925	874.146626	7.977267265
29-เม.ย.-24 03:00:00	32.92068481	7.158997059	872.3512573	7.872313023
29-เม.ย.-24 04:00:00	32.79084396	7.184836388	870.2858887	7.732615948
29-เม.ย.-24 05:00:00	32.66923904	7.205490112	868.22052	7.464457989
29-เม.ย.-24 06:00:00	32.64720535	7.22614336	867.0908813	7.206323624
29-เม.ย.-24 07:00:00	32.62517166	7.246797085	868.8317261	6.704130173
29-เม.ย.-24 08:00:00	32.60313797	7.144226074	870.5725708	6.644308567
29-เม.ย.-24 09:00:00	32.37360128	7.23760128	872.3133545	7.177581787
29-เม.ย.-24 10:00:00	32.66762161	7.333396912	874.0541992	7.888930321
29-เม.ย.-24 11:00:00	33.0569458	7.526418686	875.7950439	8.587893486
29-เม.ย.-24 12:00:00	38.21112061	7.098171234	877.5358887	3.794661283
29-เม.ย.-24 13:00:00		6.973926067	879.2767334	
29-เม.ย.-24 14:00:00		6.9214921	880.7355347	
29-เม.ย.-24 15:00:00		6.869058132	881.763916	
29-เม.ย.-24 16:00:00		6.835719109	882.7922974	
29-เม.ย.-24 17:00:00		6.812787056	883.8206787	6.836214066
29-เม.ย.-24 18:00:00		6.785945892	884.8490601	7.209171772
29-เม.ย.-24 19:00:00	39.82535934	6.711191654	885.8773804	8.000842094
29-เม.ย.-24 20:00:00	37.83643341	6.677177906	886.9057617	8.152600288
29-เม.ย.-24 21:00:00	36.18299866	6.655222416	887.9341431	8.263561249
29-เม.ย.-24 22:00:00	33.8528595	7.265821457	800.5581055	6.419631481
29-เม.ย.-24 23:00:00	34.12339783	7.775013447	767.5664063	8.156248093

April-24

*Remark

Copy จากหน้า PI ในเครื่องเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
30-เม.ย.-24 00:00:00	33.98977661	7.759613037	760.857666	8.030549049
30-เม.ย.-24 01:00:00	33.8561554	7.719737053	758.784668	7.783818722
30-เม.ย.-24 02:00:00	33.72253418	7.660916328	757.611084	7.752681732
30-เม.ย.-24 03:00:00	33.58891296	7.602096081	756.437561	7.640923977
30-เม.ย.-24 04:00:00	33.45529175	7.543275833	755.2639771	7.585676193
30-เม.ย.-24 05:00:00	33.32167053	7.484455109	754.0904541	7.521763325
30-เม.ย.-24 06:00:00	33.18804932	7.446094513	752.9168701	7.591309071
30-เม.ย.-24 07:00:00	33.13413239	7.422684669	751.7432861	7.712370872
30-เม.ย.-24 08:00:00	33.30227661	7.327106476	750.5697632	6.972470284
30-เม.ย.-24 09:00:00	34.87074661	7.1652174	752.4862061	4.141900063
30-เม.ย.-24 10:00:00	37.72	7.08	754.45	
30-เม.ย.-24 11:00:00		7.01	756.41	
30-เม.ย.-24 12:00:00		6.95	758.37	
30-เม.ย.-24 13:00:00		6.88	760.33	
30-เม.ย.-24 14:00:00		6.84	762.29	
30-เม.ย.-24 15:00:00		6.81	764.25	
30-เม.ย.-24 16:00:00		6.78	766.01	
30-เม.ย.-24 17:00:00		6.76	766.52	
30-เม.ย.-24 18:00:00		6.73	767.03	
30-เม.ย.-24 19:00:00	39.33	6.72	767.55	
30-เม.ย.-24 20:00:00	37.43	6.71	768.06	
30-เม.ย.-24 21:00:00	35.62	6.70	768.58	
30-เม.ย.-24 22:00:00	33.58	7.73	751.48	9.88
30-เม.ย.-24 23:00:00	33.45	7.35	762.90	9.52
01-พ.ค.-24 00:00:00	33.32	7.38	763.29	8.62
31/3/2024 1:00	32.37	7.59	937.06	6.44
31/3/2024 2:00	32.27	7.58	938.37	6.38
31/3/2024 3:00	32.17	7.57	939.69	6.24
31/3/2024 4:00	32.08	7.56	940.82	6.22
31/3/2024 5:00	31.98	7.56	939.39	6.12
31/3/2024 6:00	31.88	7.57	937.96	6.16
31/3/2024 7:00	31.92	7.59	936.53	6.12
31/3/2024 8:00	31.99	7.60	935.10	6.04
31/3/2024 9:00	32.16	7.70	933.67	6.19
31/3/2024 10:00	32.62	7.81	932.23	6.43
31/3/2024 11:00	36.00	7.57	930.80	5.01
31/3/2024 12:00		7.42	930.58	2.72
31/3/2024 13:00		7.28	932.27	
31/3/2024 14:00		7.20	933.97	
31/3/2024 15:00		7.15	935.66	
31/3/2024 16:00		7.14	937.36	
31/3/2024 17:00		7.12	939.05	
31/3/2024 18:00		7.11	940.75	
31/3/2024 19:00	38.21	7.11	942.45	
31/3/2024 20:00	36.18	7.10	943.10	
31/3/2024 21:00	34.59	7.10	942.87	
31/3/2024 22:00	33.09	8.14	868.67	6.51
31/3/2024 23:00	33.00	7.51	865.83	6.45
1/4/2024 0:00	32.73	7.36	866.40	6.23

May-24

*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
01-พ.ค.-24 00:00:00	33.32	7.38	763.29	8.62
01-พ.ค.-24 01:00:00	33.19	7.35	762.79	8.17
01-พ.ค.-24 02:00:00	33.03	7.32	762.30	7.73
01-พ.ค.-24 03:00:00	32.87	7.29	761.80	7.44
01-พ.ค.-24 04:00:00	32.71	7.26	761.30	7.30
01-พ.ค.-24 05:00:00	32.46	7.11	760.80	5.66
01-พ.ค.-24 06:00:00	31.80	7.02	760.30	3.70
01-พ.ค.-24 07:00:00	31.53	6.97	759.97	4.23
01-พ.ค.-24 08:00:00	32.48	6.93	761.65	3.60
01-พ.ค.-24 09:00:00	34.53	6.89	763.34	2.78
01-พ.ค.-24 10:00:00	39.17	6.85	765.02	
01-พ.ค.-24 11:00:00		6.81	766.70	
01-พ.ค.-24 12:00:00		6.76	768.39	
01-พ.ค.-24 13:00:00		6.71	770.07	
01-พ.ค.-24 14:00:00		6.66	771.75	
01-พ.ค.-24 15:00:00		6.65	772.96	
01-พ.ค.-24 16:00:00		6.67	772.60	
01-พ.ค.-24 17:00:00		6.68	772.23	
01-พ.ค.-24 18:00:00		6.69	771.87	
01-พ.ค.-24 19:00:00	39.10	6.70	771.50	
01-พ.ค.-24 20:00:00	37.40	6.73	771.14	
01-พ.ค.-24 21:00:00	35.89	6.70	770.77	
01-พ.ค.-24 22:00:00	33.67		714.61	9.91
01-พ.ค.-24 23:00:00	33.74	8.23	714.36	10.37
02-พ.ค.-24 00:00:00	33.62	7.39	714.10	9.29
02-พ.ค.-24 01:00:00	33.50	7.13	713.85	8.77
02-พ.ค.-24 02:00:00	33.37	7.13	713.60	8.28
02-พ.ค.-24 03:00:00	33.25	7.15	713.35	8.09
02-พ.ค.-24 04:00:00	33.13	7.17	713.09	7.77
02-พ.ค.-24 05:00:00	33.00	7.19	712.84	7.76
02-พ.ค.-24 06:00:00	32.88	7.20	712.94	7.70
02-พ.ค.-24 07:00:00	32.95	7.22	714.78	7.61
02-พ.ค.-24 08:00:00	33.94	7.00	716.62	5.17
02-พ.ค.-24 09:00:00	36.11	6.94	718.46	2.67
02-พ.ค.-24 10:00:00	38.50	6.88	720.29	
02-พ.ค.-24 11:00:00		6.83	722.13	
02-พ.ค.-24 12:00:00		6.78	723.97	
02-พ.ค.-24 13:00:00		6.73	725.81	
02-พ.ค.-24 14:00:00		6.69	727.12	
02-พ.ค.-24 15:00:00		6.67	727.34	
02-พ.ค.-24 16:00:00		6.65	727.56	
02-พ.ค.-24 17:00:00		6.64	727.78	
02-พ.ค.-24 18:00:00		6.63	727.99	
02-พ.ค.-24 19:00:00	38.92	6.64	728.21	
02-พ.ค.-24 20:00:00	36.78	6.65	728.43	
02-พ.ค.-24 21:00:00	35.05	6.66	728.65	
02-พ.ค.-24 22:00:00	33.14	7.92	890.86	10.44
02-พ.ค.-24 23:00:00	32.97	7.57	915.69	10.01
03-พ.ค.-24 00:00:00	32.79	7.59	918.16	8.94
03-พ.ค.-24 01:00:00	32.61	7.54	915.58	8.19
03-พ.ค.-24 02:00:00	32.43	7.48	913.00	7.48
03-พ.ค.-24 03:00:00	32.23	7.32	910.42	6.39
03-พ.ค.-24 04:00:00	31.51	7.21	911.57	3.47
03-พ.ค.-24 05:00:00	30.80	7.17	912.90	
03-พ.ค.-24 06:00:00	30.44	7.13	914.22	
03-พ.ค.-24 07:00:00	30.54	7.09	915.54	
03-พ.ค.-24 08:00:00	32.50	7.05	916.87	
03-พ.ค.-24 09:00:00	35.27	7.01	918.19	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
03-พ.ค.-24 10:00:00		6.95	919.51	
03-พ.ค.-24 11:00:00		6.85	920.80	
03-พ.ค.-24 12:00:00		6.79	921.82	
03-พ.ค.-24 13:00:00		6.80	922.83	
03-พ.ค.-24 14:00:00		6.80	923.85	
03-พ.ค.-24 15:00:00		6.80	924.86	
03-พ.ค.-24 16:00:00		6.80	925.87	
03-พ.ค.-24 17:00:00		6.80	926.89	
03-พ.ค.-24 18:00:00		6.81	927.90	
03-พ.ค.-24 19:00:00	39.31	6.81	927.68	
03-พ.ค.-24 20:00:00	37.45	6.81	923.89	
03-พ.ค.-24 21:00:00	33.38	7.27	809.74	4.76
03-พ.ค.-24 22:00:00	33.70		711.31	9.90
03-พ.ค.-24 23:00:00	33.62		706.85	9.60
04-พ.ค.-24 00:00:00	33.48	8.07	702.82	8.88
04-พ.ค.-24 01:00:00	33.34	7.60	703.82	8.39
04-พ.ค.-24 02:00:00	33.21	7.45	704.82	7.91
04-พ.ค.-24 03:00:00	33.07	7.40	705.83	7.71
04-พ.ค.-24 04:00:00	32.93	7.35	706.83	7.60
04-พ.ค.-24 05:00:00	32.79	7.31	707.83	7.57
04-พ.ค.-24 06:00:00	32.65	7.28	708.84	7.39
04-พ.ค.-24 07:00:00	32.72	7.28	709.84	7.38
04-พ.ค.-24 08:00:00	32.78	7.27	710.96	7.50
04-พ.ค.-24 09:00:00	32.85	7.37	712.50	7.74
04-พ.ค.-24 10:00:00	32.92	7.48	714.04	7.97
04-พ.ค.-24 11:00:00	33.08	7.64	715.58	8.32
04-พ.ค.-24 12:00:00	36.06	7.39	717.11	5.87
04-พ.ค.-24 13:00:00	39.41	7.16	718.65	2.15
04-พ.ค.-24 14:00:00		7.06	720.19	
04-พ.ค.-24 15:00:00		6.98	720.99	
04-พ.ค.-24 16:00:00		6.94	721.18	
04-พ.ค.-24 17:00:00		6.91	721.37	
04-พ.ค.-24 18:00:00	39.36	6.87	721.55	
04-พ.ค.-24 19:00:00	37.26	6.84	721.74	
04-พ.ค.-24 20:00:00	35.54	6.75	721.93	
04-พ.ค.-24 21:00:00	33.32	8.28	800.29	9.81
04-พ.ค.-24 22:00:00	33.18	8.36	811.90	8.91
04-พ.ค.-24 23:00:00	33.04	7.80	820.32	7.99
05-พ.ค.-24 00:00:00	32.89	7.70	820.22	7.57
05-พ.ค.-24 01:00:00	32.75	7.62	820.12	7.20
05-พ.ค.-24 02:00:00	32.61	7.54	820.03	7.09
05-พ.ค.-24 03:00:00	32.46	7.46	819.93	6.97
05-พ.ค.-24 04:00:00	32.32	7.39	819.83	6.86
05-พ.ค.-24 05:00:00	32.10	7.34	819.73	6.84
05-พ.ค.-24 06:00:00	31.84	7.20	819.63	3.83
05-พ.ค.-24 07:00:00	31.53	7.14	820.52	
05-พ.ค.-24 08:00:00	31.96	7.08	822.77	
05-พ.ค.-24 09:00:00	33.88	7.03	825.02	
05-พ.ค.-24 10:00:00	36.34	6.98	827.28	
05-พ.ค.-24 11:00:00		6.93	829.53	
05-พ.ค.-24 12:00:00		6.89	831.78	
05-พ.ค.-24 13:00:00		6.84	834.04	
05-พ.ค.-24 14:00:00		6.75	836.29	
05-พ.ค.-24 15:00:00		6.77	836.75	
05-พ.ค.-24 16:00:00		6.89	835.86	
05-พ.ค.-24 17:00:00	39.61	6.88	834.96	
05-พ.ค.-24 18:00:00	36.66	6.87	834.07	
05-พ.ค.-24 19:00:00	33.76	6.90	833.18	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
05-พ.ค.-24 20:00:00	31.95	6.93	832.29	
05-พ.ค.-24 21:00:00	33.30	8.41	724.91	9.42
05-พ.ค.-24 22:00:00	33.19		702.37	10.21
05-พ.ค.-24 23:00:00	33.09	8.27	705.01	9.13
06-พ.ค.-24 00:00:00	32.98	6.83	707.64	8.27
06-พ.ค.-24 01:00:00	32.85	6.65	710.28	7.78
06-พ.ค.-24 02:00:00	32.72	6.66	712.92	7.66
06-พ.ค.-24 03:00:00	32.60	6.71	715.56	7.52
06-พ.ค.-24 04:00:00	32.47	6.76	718.20	7.36
06-พ.ค.-24 05:00:00	32.34	6.81	720.84	7.26
06-พ.ค.-24 06:00:00	32.22	6.86	723.25	7.29
06-พ.ค.-24 07:00:00	32.09	6.91	725.20	7.33
06-พ.ค.-24 08:00:00	32.18	6.96	727.15	7.44
06-พ.ค.-24 09:00:00	35.27	6.74	729.11	
06-พ.ค.-24 10:00:00	38.41	6.67	731.06	
06-พ.ค.-24 11:00:00		6.64	733.01	
06-พ.ค.-24 12:00:00		6.60	734.96	
06-พ.ค.-24 13:00:00		6.57	736.91	
06-พ.ค.-24 14:00:00		6.54	738.00	
06-พ.ค.-24 15:00:00		6.58	738.17	
06-พ.ค.-24 16:00:00	37.94	6.58	738.33	
06-พ.ค.-24 17:00:00	37.99	6.54	738.50	
06-พ.ค.-24 18:00:00	36.29	6.56	738.66	
06-พ.ค.-24 19:00:00	34.20	6.58	738.83	
06-พ.ค.-24 20:00:00	32.59	6.60	739.00	
06-พ.ค.-24 21:00:00	31.96	6.61	739.16	
06-พ.ค.-24 22:00:00	32.66	7.99	745.60	9.14
06-พ.ค.-24 23:00:00	32.80	8.32	751.90	10.45
07-พ.ค.-24 00:00:00	33.03	7.10	729.75	9.40
07-พ.ค.-24 01:00:00	32.88	7.09	729.21	8.64
07-พ.ค.-24 02:00:00	32.73	7.08	728.67	8.20
07-พ.ค.-24 03:00:00	32.57	7.07	729.53	7.72
07-พ.ค.-24 04:00:00	32.42	7.06	730.49	7.48
07-พ.ค.-24 05:00:00	32.27	7.05	731.46	7.05
07-พ.ค.-24 06:00:00	28.77	7.03	732.42	5.04
07-พ.ค.-24 07:00:00	27.57	7.00	733.39	4.81
07-พ.ค.-24 08:00:00	26.52	6.97	734.35	4.45
07-พ.ค.-24 09:00:00	25.93	6.95	735.32	4.48
07-พ.ค.-24 10:00:00	25.47	6.93	736.27	4.23
07-พ.ค.-24 11:00:00	25.42	6.90	737.05	4.15
07-พ.ค.-24 12:00:00	25.69	6.88	737.84	3.71
07-พ.ค.-24 13:00:00	25.96	6.83	738.63	2.92
07-พ.ค.-24 14:00:00	26.23	6.75	739.41	
07-พ.ค.-24 15:00:00	27.01	6.67	740.20	
07-พ.ค.-24 16:00:00	27.32	6.65	740.99	
07-พ.ค.-24 17:00:00	28.10	6.63	741.78	
07-พ.ค.-24 18:00:00	27.74	6.67	741.93	
07-พ.ค.-24 19:00:00	26.81	6.69	740.00	
07-พ.ค.-24 20:00:00	26.39	6.67	738.08	
07-พ.ค.-24 21:00:00	31.46	7.07	737.18	5.42
07-พ.ค.-24 22:00:00	31.14	7.39	759.58	6.89
07-พ.ค.-24 23:00:00	30.87	7.41	763.49	7.20
08-พ.ค.-24 00:00:00	30.69	7.41	767.41	7.47
08-พ.ค.-24 01:00:00	30.52	7.40	771.32	7.56
08-พ.ค.-24 02:00:00	30.34	7.39	774.91	7.53
08-พ.ค.-24 03:00:00	29.63	7.17	776.05	5.97
08-พ.ค.-24 04:00:00	28.61	7.09	777.19	3.23
08-พ.ค.-24 05:00:00	27.60	7.03	778.33	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
08-พ.ค.-24 06:00:00	27.06	7.00	779.47	
08-พ.ค.-24 07:00:00	26.87231064	6.960767269	780.6135864	
08-พ.ค.-24 08:00:00	28.354002	6.926220417	781.7543945	
08-พ.ค.-24 09:00:00	31.36759758	6.891673088	782.8952026	
08-พ.ค.-24 10:00:00	38.64152145	6.812235355	783.9354858	
08-พ.ค.-24 11:00:00		6.730036736	784.6953735	
08-พ.ค.-24 12:00:00		6.722024441	785.4552002	
08-พ.ค.-24 13:00:00		6.714012146	786.2150269	
08-พ.ค.-24 14:00:00		6.705999851	786.9749146	
08-พ.ค.-24 15:00:00		6.697987556	787.7347412	
08-พ.ค.-24 16:00:00		6.690151691	788.4946289	
08-พ.ค.-24 17:00:00		6.684731483	789.2544556	
08-พ.ค.-24 18:00:00		6.680281639	789.4091797	
08-พ.ค.-24 19:00:00	37.87091064	6.68516922	788.7167969	
08-พ.ค.-24 20:00:00	35.51106644	6.692434788	788.0244141	
08-พ.ค.-24 21:00:00	33.5524826	6.673473358	787.3319702	
08-พ.ค.-24 22:00:00	31.99636269	7.23956871	775.1107178	6.967764378
08-พ.ค.-24 23:00:00	32.03017807	7.38105011	780.1065674	7.667602539
09-พ.ค.-24 00:00:00	31.9292469	7.378890514	785.102417	7.689002991
09-พ.ค.-24 01:00:00	31.82831955	7.376730919	790.0982666	7.549000074
09-พ.ค.-24 02:00:00	31.72739029	7.360977173	795.0941162	7.565834999
09-พ.ค.-24 03:00:00	31.62646103	7.340956688	799.0814209	7.551608086
09-พ.ค.-24 04:00:00	31.52553177	7.32093668	799.9745483	7.556592941
09-พ.ค.-24 05:00:00	31.42460251	7.300916195	800.8676147	7.523060322
09-พ.ค.-24 06:00:00	31.25739098	7.275909901	801.7607422	6.575434208
09-พ.ค.-24 07:00:00	30.5379982	7.072875023	774.7764893	4.764683723
09-พ.ค.-24 08:00:00	32.19189072	6.959828377	805.9698486	4.234995365
09-พ.ค.-24 09:00:00	36.54560089	6.900374889	807.0278931	3.313190222
09-พ.ค.-24 10:00:00		6.842532158	808.0859375	2.634473562
09-พ.ค.-24 11:00:00		6.78468895	809.1439209	
09-พ.ค.-24 12:00:00		6.728147984	810.2019653	
09-พ.ค.-24 13:00:00		6.677275181	811.2600098	
09-พ.ค.-24 14:00:00		6.692130566	812.3180542	
09-พ.ค.-24 15:00:00		6.70698595	813.3760376	
09-พ.ค.-24 16:00:00		6.721841335	813.5422974	
09-พ.ค.-24 17:00:00	31.98629189	6.73669672	812.5747681	
09-พ.ค.-24 18:00:00	30.11931038	6.751552105	811.6072388	
09-พ.ค.-24 19:00:00	27.36359596	6.76640749	810.6397095	
09-พ.ค.-24 20:00:00	26.84922409	6.781262875	809.6721802	
09-พ.ค.-24 21:00:00	32.00275421	7.798277855	784.0861816	9.736082077
09-พ.ค.-24 22:00:00	32.29101563	7.71953249	783.295166	10.83411598
09-พ.ค.-24 23:00:00	32.20233536	7.658243179	782.5041504	10.52460575
10-พ.ค.-24 00:00:00	32.11365128	7.639930725	781.7131348	10.00880432
10-พ.ค.-24 01:00:00	32.02497101	7.575116158	780.9221191	9.517570496
10-พ.ค.-24 02:00:00	31.93628693	7.51030159	783.1414795	9.20527935
10-พ.ค.-24 03:00:00	31.84760475	7.445487499	785.8352051	8.730737686
10-พ.ค.-24 04:00:00	31.75892258	7.380672932	788.528696	8.460977554
10-พ.ค.-24 05:00:00	31.6702404	7.315858364	791.2225952	8.228719711
10-พ.ค.-24 06:00:00	31.63133049	7.272269249	793.9163208	8.259943008
10-พ.ค.-24 07:00:00	31.6231823	7.256437778	796.6099854	8.109068871
10-พ.ค.-24 08:00:00	31.87344933	7.222771168	799.3037109	8.044323921
10-พ.ค.-24 09:00:00	34.98040009	7.027533531	801.9701538	5.579782963
10-พ.ค.-24 10:00:00	38.38431168	6.947282791	801.3894043	2.972659826
10-พ.ค.-24 11:00:00		6.867032051	800.8086548	
10-พ.ค.-24 12:00:00		6.78721714	800.2279663	
10-พ.ค.-24 13:00:00		6.759216785	799.6472168	
10-พ.ค.-24 14:00:00		6.731216908	799.0664673	
10-พ.ค.-24 15:00:00		6.703216553	798.4857178	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
10-พ.ค.-24 16:00:00		6.803794861	125.9059143	2.273148298
10-พ.ค.-24 17:00:00		6.803637505	125.6557465	3.029849052
10-พ.ค.-24 18:00:00	37.35839081	6.799509525	125.4055786	2.897144318
10-พ.ค.-24 19:00:00	34.53137589	6.795381546	125.1554108	2.615544558
10-พ.ค.-24 20:00:00	32.97572708	6.79125309	124.9052429	2.120118856
10-พ.ค.-24 21:00:00	32.13116837	6.779429913	756.2819214	5.030423164
10-พ.ค.-24 22:00:00	32.6584549	7.964810371	945.7861328	9.917861938
10-พ.ค.-24 23:00:00	32.4916153	8.108600616	953.4962158	9.32535553
11-พ.ค.-24 00:00:00	32.3247757	8.07536602	961.2062988	8.912870407
11-พ.ค.-24 01:00:00	32.15793991	8.039135933	964.0703735	8.467743874
11-พ.ค.-24 02:00:00	31.9910984	7.971663952	964.5263062	8.252260208
11-พ.ค.-24 03:00:00	31.82426071	7.904192448	964.9822998	7.942785263
11-พ.ค.-24 04:00:00	31.65742111	7.836720943	965.4382935	7.912453175
11-พ.ค.-24 05:00:00	31.49058151	7.769248962	965.8942261	7.89169836
11-พ.ค.-24 06:00:00	31.27206993	7.701777458	966.3502197	7.898100376
11-พ.ค.-24 07:00:00	30.969944	7.657443523	966.8062134	7.945035458
11-พ.ค.-24 08:00:00	30.47214508	6.839843273	137.1729889	
11-พ.ค.-24 09:00:00	30.60201836	6.827202797	129.2400055	
11-พ.ค.-24 10:00:00	33.37281418	6.856197357	124.2221375	
11-พ.ค.-24 11:00:00	36.44454575	6.871951103	124.3307419	
11-พ.ค.-24 12:00:00		6.828922272	124.4393539	2.915100574
11-พ.ค.-24 13:00:00		6.820636749	124.547966	2.858069897
11-พ.ค.-24 14:00:00		6.812351227	124.6565704	2.623181581
11-พ.ค.-24 15:00:00		6.819503784	124.7651825	
11-พ.ค.-24 16:00:00	37.22961807	6.81415844	124.8737946	
11-พ.ค.-24 17:00:00	36.13245392	6.808813572	124.9824066	
11-พ.ค.-24 18:00:00	33.34096146	6.803468227	125.0479889	
11-พ.ค.-24 19:00:00	30.89082146	6.812601089	125.0731049	
11-พ.ค.-24 20:00:00	29.42169952	6.830217361	125.0982208	
11-พ.ค.-24 21:00:00	28.81402206	6.84330225	125.1233368	
11-พ.ค.-24 22:00:00	28.44335175	6.845158577	125.1484528	
11-พ.ค.-24 23:00:00	28.16010284	6.847014904	125.1735687	
12-พ.ค.-24 00:00:00	27.87685394	6.848871231	125.1986847	
12-พ.ค.-24 01:00:00	27.59360504	6.850727081	125.2238007	
12-พ.ค.-24 02:00:00	27.32222939	6.852583408	125.2954254	
12-พ.ค.-24 03:00:00	27.1814785	6.854439735	125.3904419	
12-พ.ค.-24 04:00:00	27.04072571	6.856296062	125.485466	
12-พ.ค.-24 05:00:00	26.89997292	6.856269836	125.5804901	
12-พ.ค.-24 06:00:00	26.75922012	6.8536973	125.6755066	
12-พ.ค.-24 07:00:00	27.16497421	6.85112524	125.7705307	
12-พ.ค.-24 08:00:00	29.41923141	6.848552704	125.8655472	
12-พ.ค.-24 09:00:00	32.85430908	6.845980167	125.9605713	
12-พ.ค.-24 10:00:00	37.08602905	6.843407631	125.8120956	
12-พ.ค.-24 11:00:00		6.840835094	125.6079407	
12-พ.ค.-24 12:00:00		6.835105419	125.4037857	
12-พ.ค.-24 13:00:00		6.844241619	125.1996307	
12-พ.ค.-24 14:00:00		6.819346905	124.9954681	2.130596161
12-พ.ค.-24 15:00:00		6.801136017	124.7913132	2.013645172
12-พ.ค.-24 16:00:00		6.797377586	124.5871582	2.005313158
12-พ.ค.-24 17:00:00		6.808396339	124.3830032	
12-พ.ค.-24 18:00:00	39.45400238	6.808738232	125.3261108	
12-พ.ค.-24 19:00:00	37.71011353	6.80866003	126.3087769	
12-พ.ค.-24 20:00:00	35.96622086	6.808581829	127.2914429	
12-พ.ค.-24 21:00:00	32.81946182	7.724329472	868.9251099	9.371703148
12-พ.ค.-24 22:00:00	33.32697296		841.8255615	11.44274426
12-พ.ค.-24 23:00:00	33.24446869	6.49745369	860.5149536	10.82335758
13-พ.ค.-24 00:00:00	33.16196823	6.90230608	877.1287231	9.890594482
13-พ.ค.-24 01:00:00	33.07946777	8.07932663	881.9610596	9.145911217

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
13-พ.ค.-24 02:00:00	32.9969635	8.329146385	886.793396	8.742462158
13-พ.ค.-24 03:00:00	32.91446304	7.264663219	891.6257324	8.450385094
13-พ.ค.-24 04:00:00	32.83195877	6.801755905	896.4580688	8.265116692
13-พ.ค.-24 05:00:00	32.74945831	6.763350487	901.2904053	8.114891052
13-พ.ค.-24 06:00:00	32.71256638	6.766126156	905.0569458	8.071393013
13-พ.ค.-24 07:00:00	32.72128296	6.795417309	904.6687012	7.951227665
13-พ.ค.-24 08:00:00	32.73000336	6.824707985	904.2804565	8.028094292
13-พ.ค.-24 09:00:00	32.73871994	6.88535881	903.8922121	8.19142437
13-พ.ค.-24 10:00:00	32.78784561	6.965964794	903.5039673	8.417744637
13-พ.ค.-24 11:00:00	33.04953766	7.146505356	903.1157227	8.931726456
13-พ.ค.-24 12:00:00	33.24010849	7.23349762	902.727478	8.311778069
13-พ.ค.-24 13:00:00	29.26368332	7.169066906	902.4675293	5.053603649
13-พ.ค.-24 14:00:00	26.5793438	7.075781822	902.4022827	4.136343956
13-พ.ค.-24 15:00:00	25.818573	6.999456406	902.3369751	3.326582432
13-พ.ค.-24 16:00:00	25.33922768	6.96323204	902.2716675	3.018372059
13-พ.ค.-24 17:00:00	25.07266808	6.927007198	902.2064209	2.246700525
13-พ.ค.-24 18:00:00	24.80610847	6.890782356	902.1411133	2.011272192
13-พ.ค.-24 19:00:00	24.7844162	6.854557514	902.0758667	2.294299603
13-พ.ค.-24 20:00:00	30.52393913	6.790346622	859.3817749	5.553647995
13-พ.ค.-24 21:00:00	31.26705551	7.473988056	800.6948853	6.963275433
13-พ.ค.-24 22:00:00	30.7814827	7.518770695	801.5725708	7.265540123
13-พ.ค.-24 23:00:00	29.74103355	7.260053158	802.4501953	3.557230711
14-พ.ค.-24 00:00:00	28.50871658	7.161535263	803.3278809	2.657671213
14-พ.ค.-24 01:00:00	27.4025383	7.13692379	804.2055054	2.200975895
14-พ.ค.-24 02:00:00	26.66112518	7.112312317	805.0831909	2.281636477
14-พ.ค.-24 03:00:00	25.91971016	7.087700367	805.9608154	
14-พ.ค.-24 04:00:00	25.19145775	7.063088894	806.838501	
14-พ.ค.-24 05:00:00	24.81455994	7.051341057	805.9879761	
14-พ.ค.-24 06:00:00	30.10439301	7.264527321	806.6442871	5.357383251
14-พ.ค.-24 07:00:00	29.59495926	7.240390301	802.59375	2.404067516
14-พ.ค.-24 08:00:00	29.44867325	7.074757099	800.1928711	
14-พ.ค.-24 09:00:00	31.10912704	7.041811466	806.2946167	
14-พ.ค.-24 10:00:00	30.50939751	7.263575077	784.8087158	5.780385494
14-พ.ค.-24 11:00:00	30.70138741	7.320140839	781.6851196	6.571173668
14-พ.ค.-24 12:00:00	34.7148056	7.12898922	789.1068115	
14-พ.ค.-24 13:00:00	38.59992599	7.007885456	791.7088623	
14-พ.ค.-24 14:00:00		6.973466396	794.3108521	
14-พ.ค.-24 15:00:00		6.939047813	796.9129028	
14-พ.ค.-24 16:00:00		6.917023659	799.5148926	
14-พ.ค.-24 17:00:00		6.913699627	802.1169434	
14-พ.ค.-24 18:00:00		6.910376072	803.9776612	
14-พ.ค.-24 19:00:00	38.47733688	6.90705204	805.3355103	
14-พ.ค.-24 20:00:00	36.77938461	6.903728008	806.6934204	
14-พ.ค.-24 21:00:00	32.08405304	7.97898674	824.4229126	9.981116295
14-พ.ค.-24 22:00:00	31.8469429	8.154110909	829.4778442	8.86101532
14-พ.ค.-24 23:00:00	31.60983276	8.006407738	834.4502563	5.356173038
15-พ.ค.-24 00:00:00	30.88328934	7.665820122	837.0302734	3.915761471
15-พ.ค.-24 01:00:00	30.15400887	7.438738823	839.6103516	3.058453083
15-พ.ค.-24 02:00:00	29.42472839	7.319843769	842.1903687	2.480869055
15-พ.ค.-24 03:00:00	28.69544983	7.206799984	844.7704468	2.373477459
15-พ.ค.-24 04:00:00	27.96616936	7.14986372	847.3506439	2.442199469
15-พ.ค.-24 05:00:00	27.29748726	7.092927933	849.930542	2.301236391
15-พ.ค.-24 06:00:00	26.8407402	7.035992146	852.5105591	
15-พ.ค.-24 07:00:00	27.46177483	6.941058159	855.4550781	
15-พ.ค.-24 08:00:00	32.09998703	6.819748402	860.0231323	
15-พ.ค.-24 09:00:00	37.41543198	6.778706551	864.5911865	
15-พ.ค.-24 10:00:00	31.78287697	7.261153698	810.2729492	5.499108315
15-พ.ค.-24 11:00:00	35.29192352	7.139897346	809.1729126	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
15-พ.ค.-24 12:00:00	39.20426941	6.998939037	808.9603882	
15-พ.ค.-24 13:00:00		6.955571175	810.0638428	
15-พ.ค.-24 14:00:00		6.933271408	811.1672974	
15-พ.ค.-24 15:00:00		6.910971165	812.270813	
15-พ.ค.-24 16:00:00		6.896043301	813.3742676	
15-พ.ค.-24 17:00:00		6.887080193	814.4777222	
15-พ.ค.-24 18:00:00		6.887502193	815.5811768	
15-พ.ค.-24 19:00:00	38.81285477	6.894328594	816.6846924	
15-พ.ค.-24 20:00:00	36.74184036	6.901154518	817.6186523	
15-พ.ค.-24 21:00:00	35.05318069	6.907980442	818.4146729	
15-พ.ค.-24 22:00:00	33.63008118	6.914806366	819.2106934	
15-พ.ค.-24 23:00:00	32.50890732	6.960659027	820.0067749	
16-พ.ค.-24 00:00:00	31.38773537	6.952494621	820.8027954	
16-พ.ค.-24 01:00:00	30.33773994	6.944329739	821.598877	
16-พ.ค.-24 02:00:00	29.58067894	6.936164856	822.3948975	
16-พ.ค.-24 03:00:00	28.94207382	6.890751839	823.190979	
16-พ.ค.-24 04:00:00	28.51247597	6.897926807	824.1663818	
16-พ.ค.-24 05:00:00	28.1995945	6.940346241	825.2171021	
16-พ.ค.-24 06:00:00	27.88671494	6.938658237	826.2678223	
16-พ.ค.-24 07:00:00	28.44915771	6.936969757	827.3186035	
16-พ.ค.-24 08:00:00	30.60098457	6.927618027	828.3693237	
16-พ.ค.-24 09:00:00	35.30188751	6.90696764	829.420105	
16-พ.ค.-24 10:00:00	37.50595093	6.886317253	830.4708252	
16-พ.ค.-24 11:00:00		6.865666866	831.5215454	
16-พ.ค.-24 12:00:00		6.845016479	831.3133545	
16-พ.ค.-24 13:00:00		6.82436657	830.8950195	
16-พ.ค.-24 14:00:00		6.835826874	830.4766235	
16-พ.ค.-24 15:00:00	38.73470688	6.850965023	830.0582886	
16-พ.ค.-24 16:00:00	36.83053207	6.866103649	829.6399536	
16-พ.ค.-24 17:00:00	37.01714706	6.881242275	829.2215576	
16-พ.ค.-24 18:00:00	35.27820969	6.896380424	828.8032227	
16-พ.ค.-24 19:00:00	33.73116684	6.920497894	828.3742676	
16-พ.ค.-24 20:00:00	32.59555435	6.957852364	820.347229	
16-พ.ค.-24 21:00:00	32.12177277	7.263101578	787.6918335	5.94130373
16-พ.ค.-24 22:00:00	32.09725571	7.354824066	786.399292	6.680376053
16-พ.ค.-24 23:00:00	31.94997025	7.353331566	785.8933716	6.763977051
17-พ.ค.-24 00:00:00	31.80268478	7.351839066	785.3874512	6.754153252
17-พ.ค.-24 01:00:00	31.65539932	7.350347042	784.8815918	6.877633572
17-พ.ค.-24 02:00:00	31.22848701	7.082169533	784.3756714	2.471045017
17-พ.ค.-24 03:00:00	30.60969734	6.999211311	783.869751	
17-พ.ค.-24 04:00:00	29.99090767	6.986643314	783.3638306	
17-พ.ค.-24 05:00:00	29.372118	6.974074841	783.0093384	
17-พ.ค.-24 06:00:00	28.83006096	6.961506844	783.7562866	
17-พ.ค.-24 07:00:00	28.73247719	6.94893837	784.5032959	
17-พ.ค.-24 08:00:00	30.46860695	6.936369896	785.2502441	
17-พ.ค.-24 09:00:00	33.65749741	6.923801899	785.9972534	
17-พ.ค.-24 10:00:00	37.3340683	6.911233425	786.7442017	
17-พ.ค.-24 11:00:00		6.894904137	787.4911499	
17-พ.ค.-24 12:00:00		6.877137661	788.2381592	
17-พ.ค.-24 13:00:00		6.859371185	788.5100708	
17-พ.ค.-24 14:00:00		6.845843792	787.5206299	
17-พ.ค.-24 15:00:00		6.847270012	786.53125	
17-พ.ค.-24 16:00:00		6.842058182	785.5418701	
17-พ.ค.-24 17:00:00		6.81217289	784.5524292	
17-พ.ค.-24 18:00:00	38.07919693	6.83923912	783.5630493	
17-พ.ค.-24 19:00:00	35.40052795	6.866305351	782.5736694	
17-พ.ค.-24 20:00:00	28.77979279	6.885857105	781.5842285	
17-พ.ค.-24 21:00:00	27.24807167	6.898796558	780.9892578	

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
17-พ.ค.-24 22:00:00	26.62146759	6.911736012	780.93396	
17-พ.ค.-24 23:00:00	26.55286789	6.924675465	780.8787231	
18-พ.ค.-24 00:00:00	26.48426628	6.937614918	780.8234863	
18-พ.ค.-24 01:00:00	26.41566658	6.950554371	780.7682495	
18-พ.ค.-24 02:00:00	26.34706688	6.963494301	780.7129517	
18-พ.ค.-24 03:00:00	26.27846527	6.976433754	780.6577148	
18-พ.ค.-24 04:00:00	26.20986557	6.985023022	780.602478	
18-พ.ค.-24 05:00:00	26.14126396	6.991212368	781.1340332	
18-พ.ค.-24 06:00:00	26.2101078	6.997401714	782.0993652	
18-พ.ค.-24 07:00:00	26.91149521	7.003591061	783.0646973	
18-พ.ค.-24 08:00:00	29.51995659	6.998478413	784.0299683	
18-พ.ค.-24 09:00:00	35.73366547	6.987015724	784.9953003	
18-พ.ค.-24 10:00:00	38.63165665	6.975553513	785.9606323	
18-พ.ค.-24 11:00:00		6.964090824	786.9259644	
18-พ.ค.-24 12:00:00		6.955754757	787.8912964	
18-พ.ค.-24 13:00:00		6.968239307	788.0927124	
18-พ.ค.-24 14:00:00		6.980723858	788.0084229	
18-พ.ค.-24 15:00:00	38.31126785	6.993208408	787.9241943	
18-พ.ค.-24 16:00:00	34.92359161	7.005692959	787.8399048	
18-พ.ค.-24 17:00:00	33.64947891	7.018177509	787.7556152	
18-พ.ค.-24 18:00:00	32.21634674	7.03066206	787.6713257	
18-พ.ค.-24 19:00:00	31.14251518	7.04314661	787.5870972	
18-พ.ค.-24 20:00:00	30.21763611	7.057528496	787.5028076	
18-พ.ค.-24 21:00:00	29.61310196	7.076878071	781.1134033	
18-พ.ค.-24 22:00:00	32.94361877	7.542175293	1091.325928	7.509706974
18-พ.ค.-24 23:00:00	33.00802994	7.937461853	1153.456055	8.42158699
19-พ.ค.-24 00:00:00	32.99279404	7.985549927	1165.537476	8.171404839
19-พ.ค.-24 01:00:00	32.97755432	7.885853767	1181.531006	7.951292992
19-พ.ค.-24 02:00:00	32.96231842	7.786157608	1200.350952	7.79746151
19-พ.ค.-24 03:00:00	32.9470787	7.679951191	1219.170898	7.766096115
19-พ.ค.-24 04:00:00	32.9318428	7.570804119	1237.990845	7.776395798
19-พ.ค.-24 05:00:00	32.88153076	7.461657047	1256.810791	7.777376652
19-พ.ค.-24 06:00:00	32.77609634	7.352509975	1268.812622	7.673112869
19-พ.ค.-24 07:00:00	32.56991959	7.223307133	1267.995605	6.550219059
19-พ.ค.-24 08:00:00	32.73268509	7.056658745	1267.178589	4.1068964
19-พ.ค.-24 09:00:00	34.42463303	6.959810734	1268.319702	
19-พ.ค.-24 10:00:00	36.65065002	6.899861336	1270.219238	
19-พ.ค.-24 11:00:00		6.839912415	1272.118652	
19-พ.ค.-24 12:00:00		6.785328388	1274.018066	
19-พ.ค.-24 13:00:00	35.98815155	6.838754654	1275.257446	
19-พ.ค.-24 14:00:00	38.7973938	6.726080418	1275.959717	
19-พ.ค.-24 15:00:00	38.05554199	6.675780773	1276.661865	
19-พ.ค.-24 16:00:00	39.27690506	6.666316032	1277.364136	
19-พ.ค.-24 17:00:00	39.63707733	6.71805048	1278.066406	
19-พ.ค.-24 18:00:00	36.921875	6.769785404	1278.768677	
19-พ.ค.-24 19:00:00	34.80468369	6.819392204	1279.470825	
19-พ.ค.-24 20:00:00	33.5511055	6.842660904	1280.173096	
19-พ.ค.-24 21:00:00	32.35509491	6.83461237	1280.160645	
19-พ.ค.-24 22:00:00	33.42319107	6.988736629	1022.190613	5.997570992
19-พ.ค.-24 23:00:00	33.69380951	7.12151432	981.0418701	6.564332008
20-พ.ค.-24 00:00:00	33.57017517	7.192341328	1035.023071	6.682152748
20-พ.ค.-24 01:00:00	33.44653702	7.194666862	1065.417236	6.505314827
20-พ.ค.-24 02:00:00	33.32290268	7.192964077	1069.449829	6.477944851
20-พ.ค.-24 03:00:00	33.19926453	7.191260815	1073.482544	6.238005161
20-พ.ค.-24 04:00:00	33.07562637	7.189558029	1077.515137	6.113510132
20-พ.ค.-24 05:00:00	32.95199203	7.187855244	1081.547852	5.980386257
20-พ.ค.-24 06:00:00	32.82835388	7.186151981	1085.580444	5.673614502
20-พ.ค.-24 07:00:00	32.78013229	7.166882038	1087.611084	5.294327259

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
20-พ.ค.-24 08:00:00	32.7768898	7.142347813	1089.56665	5.270833015
20-พ.ค.-24 09:00:00	33.4389267	6.996043205	1091.522339	2.392879248
20-พ.ค.-24 10:00:00	34.87100601	6.957086563	1093.477905	
20-พ.ค.-24 11:00:00	37.32102966	6.918130398	1095.433594	
20-พ.ค.-24 12:00:00	39.31159592	6.904199123	1097.38916	
20-พ.ค.-24 13:00:00		6.89923954	1099.344727	
20-พ.ค.-24 14:00:00		6.894279957	1101.300415	
20-พ.ค.-24 15:00:00		6.900538445	1100.431519	
20-พ.ค.-24 16:00:00	33.50886154	6.913105965	1099.482056	
20-พ.ค.-24 17:00:00	33.51870346	6.854319572	1098.532471	
20-พ.ค.-24 18:00:00	32.00798798	6.866814613	1097.582886	
20-พ.ค.-24 19:00:00	31.11017799	6.879309177	1096.633301	
20-พ.ค.-24 20:00:00	30.2123661	6.891803741	1095.683838	
20-พ.ค.-24 21:00:00	29.49033737	6.900376797	1094.734253	
20-พ.ค.-24 22:00:00	32.73011398	6.950713158	1091.715454	4.395394802
20-พ.ค.-24 23:00:00	33.17116547	7.432057381	1189.508911	8.833925247
21-พ.ค.-24 00:00:00	33.18049622	7.608629227	1198.260742	8.858032227
21-พ.ค.-24 01:00:00	33.06576157	7.625986099	1197.196167	8.728194237
21-พ.ค.-24 02:00:00	32.86589813	7.566868305	1196.131592	8.267673492
21-พ.ค.-24 03:00:00	32.46153641	7.472583771	1195.066895	7.198654652
21-พ.ค.-24 04:00:00	31.44371414	7.304294109	1194.002319	2.437606335
21-พ.ค.-24 05:00:00	30.44868279	7.234323502	1192.937744	
21-พ.ค.-24 06:00:00	29.29090118	7.176326275	1191.873169	
21-พ.ค.-24 07:00:00	27.53846359	7.150339127	1190.808594	
21-พ.ค.-24 08:00:00	27.18419266	7.124352455	1190.759155	
21-พ.ค.-24 09:00:00	29.75576973	7.079586506	1191.150757	
21-พ.ค.-24 10:00:00	30.88860893	7.016146183	1191.542358	
21-พ.ค.-24 11:00:00	29.97018051	6.840833187	1191.93396	
21-พ.ค.-24 12:00:00	29.96578217	6.858038902	1192.325439	
21-พ.ค.-24 13:00:00	29.98093987	6.876219749	1192.717041	
21-พ.ค.-24 14:00:00	30.49160004	6.894401073	1193.108643	
21-พ.ค.-24 15:00:00	29.71349525	6.912581921	1193.500122	
21-พ.ค.-24 16:00:00	29.56686592	6.916517258	1192.952637	
21-พ.ค.-24 17:00:00	30.05134964	6.917254448	1192.237549	
21-พ.ค.-24 18:00:00	29.12491417	6.917991638	1191.522461	
21-พ.ค.-24 19:00:00	28.27643013	6.918728352	1190.807373	
21-พ.ค.-24 20:00:00	27.81771088	6.919465542	1190.092285	
21-พ.ค.-24 21:00:00	32.17866135	7.034511566	1071.668335	5.161010742
21-พ.ค.-24 22:00:00	31.99466133	7.133211613	1042.893677	6.505565643
21-พ.ค.-24 23:00:00	31.81066132	7.181451321	1035.981812	6.963967323
22-พ.ค.-24 00:00:00	31.6266613	7.187774181	1036.643555	7.25123024
22-พ.ค.-24 01:00:00	31.44266129	7.182785034	1037.305298	7.322126389
22-พ.ค.-24 02:00:00	31.34647942	7.177796364	1037.967163	7.359549999
22-พ.ค.-24 03:00:00	31.25828171	7.172807217	1038.628906	7.373942375
22-พ.ค.-24 04:00:00	31.170084	7.167818546	1039.290649	7.384411812
22-พ.ค.-24 05:00:00	31.08188629	7.162829399	1039.952515	7.350671291
22-พ.ค.-24 06:00:00	30.99368858	7.157840729	1040.614258	7.444885731
22-พ.ค.-24 07:00:00	30.6870079	7.021377563	1041.616455	3.226729631
22-พ.ค.-24 08:00:00	30.60116386	6.972887516	1042.749634	2.265380859
22-พ.ค.-24 09:00:00	33.18426895	6.924397469	1043.88269	
22-พ.ค.-24 10:00:00	37.10170746	6.888395309	1045.015869	
22-พ.ค.-24 11:00:00	39.41862106	6.863503933	1046.149048	
22-พ.ค.-24 12:00:00		6.838612556	1047.282104	
22-พ.ค.-24 13:00:00		6.813485146	1048.415283	
22-พ.ค.-24 14:00:00		6.773758411	1049.548462	
22-พ.ค.-24 15:00:00		6.774192333	1048.2052	
22-พ.ค.-24 16:00:00	39.7503891	6.797049999	1046.50354	
22-พ.ค.-24 17:00:00	38.03412247	6.819907188	1044.802002	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
22-พ.ค.-24 18:00:00	30.38031197	6.842764854	1043.100342	
22-พ.ค.-24 19:00:00	30.12300301	6.86562252	1041.398804	
22-พ.ค.-24 20:00:00		28.26337624	6.888747692	1039.697266
22-พ.ค.-24 21:00:00	32.02593613	7.160203457	1100.685059	8.531552315
22-พ.ค.-24 22:00:00	32.11145401	7.591002464	1127.338989	9.497953415
22-พ.ค.-24 23:00:00	32.08031464	7.690644741	1128.966797	9.265171051
23-พ.ค.-24 00:00:00	32.04917908	7.650123119	1130.594604	8.866599083
23-พ.ค.-24 01:00:00	32.0180397	7.609208584	1132.222412	8.6804142
23-พ.ค.-24 02:00:00	31.98690414	7.550803661	1133.85022	8.518803596
23-พ.ค.-24 03:00:00	31.80289268	7.474214554	1135.478027	8.413558006
23-พ.ค.-24 04:00:00	31.60345459	7.397625446	1137.105835	7.443371773
23-พ.ค.-24 05:00:00	30.86415672	7.29359293	1138.733643	5.501721382
23-พ.ค.-24 06:00:00	30.07218742	7.211205006	1140.496826	4.345786095
23-พ.ค.-24 07:00:00	29.28021622	7.160637856	1143.258789	3.923805237
23-พ.ค.-24 08:00:00	29.6631279	7.110071182	1146.02063	4.096252918
23-พ.ค.-24 09:00:00	31.07762146	7.059504509	1148.782471	3.037832975
23-พ.ค.-24 10:00:00	34.13629532	7.008937359	1151.544312	
23-พ.ค.-24 11:00:00	35.7591629	6.958370686	1154.306152	
23-พ.ค.-24 12:00:00		6.884370327	1157.067993	3.915281534
23-พ.ค.-24 13:00:00		6.834795475	1159.829956	
23-พ.ค.-24 14:00:00		6.849731445	1161.589966	
23-พ.ค.-24 15:00:00		6.864666939	1159.84375	
23-พ.ค.-24 16:00:00	36.54726028	6.879602432	1158.097534	
23-พ.ค.-24 17:00:00	31.95922852	6.894538403	1156.351318	
23-พ.ค.-24 18:00:00	30.40603638	6.909473896	1154.605103	
23-พ.ค.-24 19:00:00	29.39929008	6.924409389	1152.858887	
23-พ.ค.-24 20:00:00	28.80996132	6.93428421	1151.112671	
23-พ.ค.-24 21:00:00	32.12392426	7.256507397	978.1118164	8.42011261
23-พ.ค.-24 22:00:00	31.903265	7.315322399	964.432251	8.309534073
23-พ.ค.-24 23:00:00	31.68260193	7.303740501	964.5511475	8.199858665
24-พ.ค.-24 00:00:00	31.46194077	7.269022465	964.670105	8.062659264
24-พ.ค.-24 01:00:00	30.969244	7.19583416	964.7890015	3.165139198
24-พ.ค.-24 02:00:00	29.93585396	7.128458977	964.9078979	3.415169716
24-พ.ค.-24 03:00:00	28.90246582	7.113622665	965.0267944	2.958906174
24-พ.ค.-24 04:00:00	28.26174164	7.098785877	965.1456909	2.659621716
24-พ.ค.-24 05:00:00	27.74052811	7.083949566	965.2645874	2.648041725
24-พ.ค.-24 06:00:00	27.21931648	7.069112778	966.4581909	2.416472435
24-พ.ค.-24 07:00:00	27.35100555	7.054276466	967.9112549	2.209179163
24-พ.ค.-24 08:00:00	29.76869011	7.039439678	969.3642578	
24-พ.ค.-24 09:00:00	31.46171951	7.024603367	970.8173218	
24-พ.ค.-24 10:00:00	32.8670845	6.944443226	972.2703247	
24-พ.ค.-24 11:00:00	31.11837196	6.938807011	973.7233887	
24-พ.ค.-24 12:00:00	34.39342499	6.913486958	975.1763916	
24-พ.ค.-24 13:00:00	37.66685104	6.888166428	976.6294556	
24-พ.ค.-24 14:00:00	38.82579041	6.869567394	976.5956421	
24-พ.ค.-24 15:00:00		6.881468773	976.494873	
24-พ.ค.-24 16:00:00	39.72518158	6.893370152	976.394165	
24-พ.ค.-24 17:00:00	38.79297256	6.90527153	976.293396	
24-พ.ค.-24 18:00:00	36.18253326	6.932651997	976.192688	
24-พ.ค.-24 19:00:00	34.00780487	6.970561028	976.0919189	
24-พ.ค.-24 20:00:00	32.52195358	6.971385479	975.9912109	
24-พ.ค.-24 21:00:00	31.64533615	6.97220993	975.8703613	
24-พ.ค.-24 22:00:00	30.7850914	6.973034382	975.5841675	
24-พ.ค.-24 23:00:00	30.12950897	6.973858833	975.2979126	
25-พ.ค.-24 00:00:00	29.56855583	6.974683285	975.0117188	
25-พ.ค.-24 01:00:00	29.0545311	6.975507736	974.7254639	
25-พ.ค.-24 02:00:00	28.54050636	6.976332188	974.43927	
25-พ.ค.-24 03:00:00	28.02426529	6.976832867	974.1530151	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
25-พ.ค.-24 04:00:00	27.50699615	6.976308823	973.8668213	
25-พ.ค.-24 05:00:00	27.09222221	6.975785255	973.9564209	
25-พ.ค.-24 06:00:00	26.83297729	6.975261211	975.0942993	
25-พ.ค.-24 07:00:00	27.8500843	6.974737644	976.2322388	
25-พ.ค.-24 08:00:00	32.17834473	6.967348099	977.3701172	
25-พ.ค.-24 09:00:00	37.14532852	6.949599266	978.5079956	
25-พ.ค.-24 10:00:00		6.939858437	979.645874	
25-พ.ค.-24 11:00:00		6.936311245	979.6464844	
25-พ.ค.-24 12:00:00		6.932764053	978.0908203	
25-พ.ค.-24 13:00:00		6.929216862	976.5351563	
25-พ.ค.-24 14:00:00		6.92566967	974.9794922	
25-พ.ค.-24 15:00:00		6.922122478	973.4238281	
25-พ.ค.-24 16:00:00	32.29000473	6.925488472	971.8681641	
25-พ.ค.-24 17:00:00	37.33573151	6.938102722	970.3125	
25-พ.ค.-24 18:00:00	31.0585041	6.950716972	968.7568359	
25-พ.ค.-24 19:00:00	30.09959412	6.963330746	966.7162476	
25-พ.ค.-24 20:00:00	31.72434235	7.002218246	998.188428	2.642543793
25-พ.ค.-24 21:00:00	32.8687439	7.741993427	1159.416504	12.01663113
25-พ.ค.-24 22:00:00	32.96957397	7.742794514	1161.051147	11.83825302
25-พ.ค.-24 23:00:00	32.86980438	7.173503876	1162.685791	10.89085865
26-พ.ค.-24 00:00:00	32.73386383	6.972970963	1164.320435	10.36189842
26-พ.ค.-24 01:00:00	32.59792328	6.948358536	1165.9552	9.712565422
26-พ.ค.-24 02:00:00	32.46197891	6.923746109	1167.589844	9.252230644
26-พ.ค.-24 03:00:00	32.32603836	6.910313606	1169.224487	9.01817131
26-พ.ค.-24 04:00:00	32.10396576	6.908964634	1170.859131	6.394904613
26-พ.ค.-24 05:00:00	31.05599403	6.890284061	1172.675903	5.65122366
26-พ.ค.-24 06:00:00	30.0080204	6.852658749	1176.081421	4.712656498
26-พ.ค.-24 07:00:00	29.60380554	6.815032959	1179.487061	4.312913418
26-พ.ค.-24 08:00:00	31.07111549	6.777407646	1182.892578	3.121373653
26-พ.ค.-24 09:00:00	33.06578827	6.739782333	1186.298218	2.437541246
26-พ.ค.-24 10:00:00	38.75120544	6.702259064	1189.703857	
26-พ.ค.-24 11:00:00		6.669248581	1193.109375	
26-พ.ค.-24 12:00:00		6.636238098	1194.899658	
26-พ.ค.-24 13:00:00		6.603227615	1192.052246	
26-พ.ค.-24 14:00:00		6.599901199	1189.204834	
26-พ.ค.-24 15:00:00		6.619791985	1186.357422	
26-พ.ค.-24 16:00:00		6.63968277	1183.51001	
26-พ.ค.-24 17:00:00		6.659574032	1180.662598	
26-พ.ค.-24 18:00:00	38.77369308	6.679464817	1177.815186	
26-พ.ค.-24 19:00:00	36.647995	6.699355602	1174.967773	
26-พ.ค.-24 20:00:00	33.05829239	6.802295685	1167.962524	6.399310589
26-พ.ค.-24 21:00:00	33.46200562	7.262080193	1137.624023	7.837520123
26-พ.ค.-24 22:00:00	33.35121536	7.327088833	1140.294312	7.446650982
26-พ.ค.-24 23:00:00	33.21727753	7.327935219	1142.9646	7.43295002
27-พ.ค.-24 00:00:00	33.08333969	7.328782082	1145.634888	7.276916504
27-พ.ค.-24 01:00:00	32.94940186	7.329628468	1148.305054	7.462701321
27-พ.ค.-24 02:00:00	32.81546402	7.327460766	1150.975342	7.492864609
27-พ.ค.-24 03:00:00	32.68152618	7.317973137	1153.64563	7.54344511
27-พ.ค.-24 04:00:00	32.54758835	7.308485985	1156.315918	7.710226059
27-พ.ค.-24 05:00:00	32.39439392	7.298998356	1158.315063	7.801769257
27-พ.ค.-24 06:00:00	32.08715057	7.289511204	1160.094549	7.879031181
27-พ.ค.-24 07:00:00	31.718256	7.250918388	1161.875732	5.339993477
27-พ.ค.-24 08:00:00	33.64293289	7.121676445	1163.656128	3.89411664
27-พ.ค.-24 09:00:00	36.28943634	7.05298233	1166.283325	2.730878353
27-พ.ค.-24 10:00:00	39.23509216	7.024189949	1168.933472	
27-พ.ค.-24 11:00:00		6.995397091	773.4682007	8.536618233
27-พ.ค.-24 12:00:00		7.026647568	141.8455658	3.574305773
27-พ.ค.-24 13:00:00		7.007626057	1122.836182	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
27-พ.ค.-24 14:00:00		6.988604546	1145.15686	
27-พ.ค.-24 15:00:00		6.969583035	1151.025757	
27-พ.ค.-24 16:00:00		6.945515156	1154.454102	7.960106373
27-พ.ค.-24 17:00:00		6.91945219	1150.926636	8.582942009
27-พ.ค.-24 18:00:00	38.45012283	6.909619808	1147.39917	8.933253288
27-พ.ค.-24 19:00:00	36.33907318	6.915140629	1143.871582	9.459401131
27-พ.ค.-24 20:00:00	32.33494949	6.920661449	1137.358643	10.26671886
27-พ.ค.-24 21:00:00	31.61525917	6.92618227	1131.327759	10.17577934
27-พ.ค.-24 22:00:00	30.53319359	6.931703091	1134.630859	10.30248451
27-พ.ค.-24 23:00:00	29.90814018	6.937223911	1139.425781	10.27980232
28-พ.ค.-24 00:00:00	33.3744812	8.422392845	1181.987793	11.94153404
28-พ.ค.-24 01:00:00	33.59246445		1185.313721	11.76608467
28-พ.ค.-24 02:00:00	33.5211525	7.194291592	1188.639771	10.56686497
28-พ.ค.-24 03:00:00	33.44983673	7.052056789	1191.965698	10.01399899
28-พ.ค.-24 04:00:00	33.37852478	7.062847614	1194.508789	9.682261467
28-พ.ค.-24 05:00:00	33.30720901	7.073638916	1195.084961	9.441226959
28-พ.ค.-24 06:00:00	33.23589706	7.084429741	1195.661255	9.215187073
28-พ.ค.-24 07:00:00	33.1645813	7.097031593	1196.237549	9.206144333
28-พ.ค.-24 08:00:00	33.31869125	7.176425457	1196.813721	9.387210846
28-พ.ค.-24 09:00:00	33.57069016	7.261725903	1195.531982	9.647824287
28-พ.ค.-24 10:00:00	35.07105637	7.162451267	1192.763916	7.529664516
28-พ.ค.-24 11:00:00	38.28894806	7.015220642	1189.99585	5.858724594
28-พ.ค.-24 12:00:00		6.921288013	1189.168091	4.201251984
28-พ.ค.-24 13:00:00		6.841390133	1189.758179	3.160890341
28-พ.ค.-24 14:00:00		6.817144871	1190.348267	2.36481905
28-พ.ค.-24 15:00:00		6.792899132	1190.938354	
28-พ.ค.-24 16:00:00		6.76865387	1191.528442	
28-พ.ค.-24 17:00:00		6.744408607	1192.11853	
28-พ.ค.-24 18:00:00	39.43003845	6.731554508	1192.70874	
28-พ.ค.-24 19:00:00	37.40607834	6.723811626	1193.298828	
28-พ.ค.-24 20:00:00	35.58604813	6.755462646	1192.291016	9.055344582
28-พ.ค.-24 21:00:00	34.36724854	6.769559623	1190.677124	9.707269669
28-พ.ค.-24 22:00:00	33.14844513	6.718136787	1189.063232	9.850631714
28-พ.ค.-24 23:00:00	34.02223969	7.871496201	1188.392456	10.43539238
29-พ.ค.-24 00:00:00	34.12991333	8.075535774	1188.580078	10.58221436
29-พ.ค.-24 01:00:00	33.94890213	7.242306232	1188.767578	9.68354702
29-พ.ค.-24 02:00:00	33.76788712	7.193580627	1188.9552	9.439623833
29-พ.ค.-24 03:00:00	33.5868721	7.178324223	1189.1427	9.042976379
29-พ.ค.-24 04:00:00	32.90348434	7.114134312	1189.3302	5.132470608
29-พ.ค.-24 05:00:00	32.00193024	7.040546417	1189.517822	4.6020751
29-พ.ค.-24 06:00:00	31.20931816	6.968588352	1189.705322	3.9572227
29-พ.ค.-24 07:00:00	30.81980515	6.914893627	1189.769043	3.493032694
29-พ.ค.-24 08:00:00	32.1596489	6.861198902	1189.771362	3.525261879
29-พ.ค.-24 09:00:00	34.23461914	6.826764584	1189.773682	2.560542107
29-พ.ค.-24 10:00:00	36.05205917	6.832590103	1189.775879	2.678675175
29-พ.ค.-24 11:00:00		6.802819729	1189.778198	
29-พ.ค.-24 12:00:00		6.76010561	1189.780518	
29-พ.ค.-24 13:00:00		6.761137962	1189.782715	
29-พ.ค.-24 14:00:00	34.27550888	6.814249992	1189.785034	
29-พ.ค.-24 15:00:00	37.35065079	6.715752602	1189.562988	2.283283949
29-พ.ค.-24 16:00:00	38.46833801	6.637606144	1189.275391	
29-พ.ค.-24 17:00:00	6.635999203	6.635999203	1188.987915	
29-พ.ค.-24 18:00:00	35.83074951	6.634392262	1188.700317	
29-พ.ค.-24 19:00:00	34.25136185	6.63278532	1188.41272	
29-พ.ค.-24 20:00:00	33.21017075	6.631178856	1188.125122	
29-พ.ค.-24 21:00:00	32.16897964	6.629571915	1187.837524	
29-พ.ค.-24 22:00:00	33.84843445	7.791360378	1187.549927	9.040481567
29-พ.ค.-24 23:00:00	33.69815826	8.127635002	1187.075317	9.935517311

May-24

*Remark

Copy จากหน้า PI ไม่กรอกเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
30-พ.ค.-24 00:00:00	33.54788589	8.105548859	1186.584351	9.599880219
30-พ.ค.-24 01:00:00	33.39760971	8.030449867	1186.093384	9.028100967
30-พ.ค.-24 02:00:00	33.24733353	7.941750526	1185.602417	8.77636528
30-พ.ค.-24 03:00:00	33.09706116	7.853051186	1185.11145	8.479837418
30-พ.ค.-24 04:00:00	32.94678497	7.723042488	1184.620483	8.162044525
30-พ.ค.-24 05:00:00	32.00962067	7.498002529	1184.129395	5.06448698
30-พ.ค.-24 06:00:00	31.0545826	7.429482937	1183.73291	2.955508471
30-พ.ค.-24 07:00:00	30.59339714	7.360963345	1184.500244	
30-พ.ค.-24 08:00:00	32.22071838	7.292443275	1185.2677	
30-พ.ค.-24 09:00:00	35.96426773	7.223923683	1186.035156	
30-พ.ค.-24 10:00:00		7.16	1,186.80	
30-พ.ค.-24 11:00:00		7.09	1,187.57	
30-พ.ค.-24 12:00:00		7.02	1,188.34	
30-พ.ค.-24 13:00:00		6.97	1,189.10	
30-พ.ค.-24 14:00:00		6.97	1,189.58	8.49
30-พ.ค.-24 15:00:00		6.98	1,187.82	8.26
30-พ.ค.-24 16:00:00		6.98	1,186.05	8.78
30-พ.ค.-24 17:00:00		6.97	1,184.28	8.84
30-พ.ค.-24 18:00:00	38.41	6.94	1,182.52	8.98
30-พ.ค.-24 19:00:00	36.26	6.92	1,180.75	9.12
30-พ.ค.-24 20:00:00	34.26	8.07	1,178.98	10.17
30-พ.ค.-24 21:00:00	34.20	8.37	1,177.21	11.07
30-พ.ค.-24 22:00:00	34.03	8.31	1,175.91	10.29
30-พ.ค.-24 23:00:00	33.85	7.75	1,175.91	9.34
31-พ.ค.-24 00:00:00	33.68	7.46	1,175.91	9.47
31/5/2024 1:00	33.50	7.36	1,175.91	9.10
31/5/2024 2:00	33.33	7.33	1,175.91	9.03
31/5/2024 3:00	33.16	7.30	1,175.90	8.92
31/5/2024 4:00	32.98	7.27	1,175.90	8.81
31/5/2024 5:00	32.79	7.22	1,175.90	7.96
31/5/2024 6:00	31.47	7.12	1,176.44	6.13
31/5/2024 7:00	30.32	7.08	1,177.75	5.55
31/5/2024 8:00	30.30	7.04	1,179.07	5.04
31/5/2024 9:00	31.89	7.00	1,180.38	4.26
31/5/2024 10:00	34.50	6.97	1,181.69	3.92
31/5/2024 11:00	36.78	6.93	1,183.00	3.21
31/5/2024 12:00	38.03	6.90	1,184.31	2.90
31/5/2024 13:00	39.80	6.87	1,185.63	2.50
31/5/2024 14:00		6.86	1,185.22	2.00
31/5/2024 15:00		6.86	1,183.54	2.06
31/5/2024 16:00	39.54	6.86	1,181.85	2.05
31/5/2024 17:00	38.20	6.87	1,180.16	
31/5/2024 18:00	36.00	6.87	1,178.47	
31/5/2024 19:00	33.52	6.87	1,176.78	
31/5/2024 20:00	33.06	7.15	1,175.09	6.85
31/5/2024 21:00	33.41	8.07	1,173.40	10.28
31/5/2024 22:00	33.49	8.12	1,172.48	10.06
31/5/2024 23:00	33.34	8.07	1,171.91	9.38
1/6/2024 0:00	33.19	7.99	1,171.34	9.06

June-24

*Remark

Copy จารุหกรร PI นจกรรเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
01-ค.ย.-24 00:00:00	33.19	7.99	1,171.34	9.06
01-ค.ย.-24 01:00:00	33.05	7.90	1,170.76	8.83
01-ค.ย.-24 02:00:00	32.90	7.81	1,170.19	8.60
01-ค.ย.-24 03:00:00	32.75	7.72	1,169.62	8.38
01-ค.ย.-24 04:00:00	32.60	7.63	1,169.05	8.37
01-ค.ย.-24 05:00:00	32.46	7.54	1,168.47	8.41
01-ค.ย.-24 06:00:00	31.60	7.31	1,169.03	2.40
01-ค.ย.-24 07:00:00	30.99	7.24	1,169.80	
01-ค.ย.-24 08:00:00	31.68	7.18	1,170.57	
01-ค.ย.-24 09:00:00	33.72	7.13	1,171.34	
01-ค.ย.-24 10:00:00	35.87	7.08	1,172.11	
01-ค.ย.-24 11:00:00	39.37	7.02	1,172.88	
01-ค.ย.-24 12:00:00	38.65	7.00	1,173.65	
01-ค.ย.-24 13:00:00	37.95	7.00	1,174.42	
01-ค.ย.-24 14:00:00	33.97	7.00	1,172.40	
01-ค.ย.-24 15:00:00	26.74	6.94	1,170.09	
01-ค.ย.-24 16:00:00	26.78	7.04	1,167.78	10.03
01-ค.ย.-24 17:00:00	26.96	7.06	1,165.46	10.25
01-ค.ย.-24 18:00:00	27.00	7.09	1,163.15	10.35
01-ค.ย.-24 19:00:00	26.77	7.07	1,160.84	10.33
01-ค.ย.-24 20:00:00	31.91	7.02	1,158.53	8.06
01-ค.ย.-24 21:00:00	32.65	6.69	1,156.53	7.56
01-ค.ย.-24 22:00:00	32.62	6.65	1,156.55	8.31
01-ค.ย.-24 23:00:00	32.58	6.68	1,156.58	8.41
02-ค.ย.-24 00:00:00	32.54	6.71	1,156.60	8.56
02-ค.ย.-24 01:00:00	32.43	6.75	1,156.62	8.57
02-ค.ย.-24 02:00:00	32.32	6.78	1,156.64	8.63
02-ค.ย.-24 03:00:00	32.21	6.81	1,156.67	8.84
02-ค.ย.-24 04:00:00	32.11	6.84	1,156.69	8.82
02-ค.ย.-24 05:00:00	32.00	6.88	1,157.54	8.77
02-ค.ย.-24 06:00:00	31.89	6.90	1,160.41	8.87
02-ค.ย.-24 07:00:00	31.65	6.76	1,163.27	5.26
02-ค.ย.-24 08:00:00	32.15	6.59	1,166.20	4.27
02-ค.ย.-24 09:00:00	33.95	6.53	1,169.14	3.11
02-ค.ย.-24 10:00:00	35.32	6.53	1,172.09	2.53
02-ค.ย.-24 11:00:00	36.80	6.54	1,174.30	
02-ค.ย.-24 12:00:00	38.85	6.55	1,173.29	
02-ค.ย.-24 13:00:00	39.72	6.55	1,172.27	
02-ค.ย.-24 14:00:00		6.56	1,171.25	
02-ค.ย.-24 15:00:00		6.56	1,170.24	
02-ค.ย.-24 16:00:00		6.57	1,169.22	
02-ค.ย.-24 17:00:00	40.00	6.59	1,168.21	
02-ค.ย.-24 18:00:00	38.90	6.60	1,167.19	
02-ค.ย.-24 19:00:00	37.10	6.62	1,167.51	
02-ค.ย.-24 20:00:00	32.31	6.83	1,171.25	5.08
02-ค.ย.-24 21:00:00	32.43	7.39	1,170.78	8.43
02-ค.ย.-24 22:00:00	32.46	7.47	1,170.30	8.51
02-ค.ย.-24 23:00:00	32.27	7.44	1,169.82	8.40
03-ค.ย.-24 00:00:00	32.08	7.40	1,169.35	8.19
03-ค.ย.-24 01:00:00	31.89	7.36	1,168.87	8.15
03-ค.ย.-24 02:00:00	31.70	7.32	1,168.40	8.05
03-ค.ย.-24 03:00:00	31.29	7.03	1,167.92	3.84
03-ค.ย.-24 04:00:00	30.65	6.94	1,167.64	
03-ค.ย.-24 05:00:00	30.01	6.90	1,168.08	
03-ค.ย.-24 06:00:00	29.37	6.87	1,168.53	
03-ค.ย.-24 07:00:00	29.28	6.85	1,168.97	
03-ค.ย.-24 08:00:00	30.10	6.83	1,169.41	
03-ค.ย.-24 09:00:00	31.67	6.81	1,169.86	

June-24

*Remark

Copy จารุหกรร PI นจกรรเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
03-ค.ย.-24 10:00:00	37.10	6.79	1,170.30	
03-ค.ย.-24 11:00:00	39.07	6.77	1,170.75	
03-ค.ย.-24 12:00:00		6.75	1,170.84	
03-ค.ย.-24 13:00:00		6.71	1,170.29	
03-ค.ย.-24 14:00:00		6.66	1,169.74	
03-ค.ย.-24 15:00:00		6.67	1,169.18	
03-ค.ย.-24 16:00:00		6.68	1,168.63	
03-ค.ย.-24 17:00:00	39.11	6.69	1,168.08	
03-ค.ย.-24 18:00:00	37.05	6.71	1,167.53	
03-ค.ย.-24 19:00:00	34.90	6.72	1,166.98	
03-ค.ย.-24 20:00:00	33.28	6.72	1,166.25	
03-ค.ย.-24 21:00:00	32.35	6.72	1,165.28	
03-ค.ย.-24 22:00:00	32.73	6.87	1.94	6.68
03-ค.ย.-24 23:00:00	32.78	7.07	909.82	8.55
04-ค.ย.-24 00:00:00	32.59	7.10	910.48	8.48
04-ค.ย.-24 01:00:00	32.39	7.10	911.14	8.20
04-ค.ย.-24 02:00:00	32.20	7.04	911.80	6.96
04-ค.ย.-24 03:00:00	31.45	6.93	912.46	2.96
04-ค.ย.-24 04:00:00	30.70	6.91	913.12	2.14
04-ค.ย.-24 05:00:00	30.10	6.88	913.78	
04-ค.ย.-24 06:00:00	29.67	6.86	914.43	
04-ค.ย.-24 07:00:00	29.83	6.83	915.41	
04-ค.ย.-24 08:00:00	30.78	6.81	916.52	
04-ค.ย.-24 09:00:00	33.04	6.79	917.62	
04-ค.ย.-24 10:00:00	36.77	6.76	918.72	
04-ค.ย.-24 11:00:00		6.74	919.82	
04-ค.ย.-24 12:00:00		6.71	920.92	
04-ค.ย.-24 13:00:00		6.70	922.02	
04-ค.ย.-24 14:00:00		6.69	923.12	
04-ค.ย.-24 15:00:00		6.69	922.63	
04-ค.ย.-24 16:00:00		6.68	921.90	
04-ค.ย.-24 17:00:00		6.67	921.16	
04-ค.ย.-24 18:00:00	37.81	6.69	920.43	
04-ค.ย.-24 19:00:00	35.53	6.72	919.70	
04-ค.ย.-24 20:00:00	34.01	6.74	918.97	
04-ค.ย.-24 21:00:00	33.10	8.12	883.50	9.74
04-ค.ย.-24 22:00:00	32.89	7.40	896.18	9.10
04-ค.ย.-24 23:00:00	32.68	7.73	987.07	8.29
05-ค.ย.-24 00:00:00	32.47	7.56	1,023.79	7.88
05-ค.ย.-24 01:00:00	32.26	7.54	1,022.32	7.77
05-ค.ย.-24 02:00:00	31.83	7.52	1,015.83	7.99
05-ค.ย.-24 03:00:00	31.58	7.51	1,001.61	7.94
05-ค.ย.-24 04:00:00	31.36	7.50	987.39	8.07
05-ค.ย.-24 05:00:00	31.14	7.50	975.10	8.05
05-ค.ย.-24 06:00:00	29.57	7.28	969.10	4.11
05-ค.ย.-24 07:00:00	27.97	7.20	968.02	3.60
05-ค.ย.-24 08:00:00	27.78	7.16	969.74	2.67
05-ค.ย.-24 09:00:00	29.70	7.11	971.46	2.24
05-ค.ย.-24 10:00:00	31.52	7.07	973.18	
05-ค.ย.-24 11:00:00	34.90	7.02	974.90	
05-ค.ย.-24 12:00:00	37.46	6.97	976.61	
05-ค.ย.-24 13:00:00		6.93	978.33	
05-ค.ย.-24 14:00:00		6.91	980.05	
05-ค.ย.-24 15:00:00		6.91	979.65	
05-ค.ย.-24 16:00:00		6.91	978.68	
05-ค.ย.-24 17:00:00	39.03	6.91	977.70	
05-ค.ย.-24 18:00:00	36.48	6.91	976.73	
05-ค.ย.-24 19:00:00	33.87	6.90	975.75	

June-24

*Remark

Copy รายการ PI ในตารางเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
05-มิ.ย.-24 20:00:00	32.42	6.90	974.78	
05-มิ.ย.-24 21:00:00	32.78	7.12	938.82	9.27
05-มิ.ย.-24 22:00:00	32.88	7.23	940.12	8.68
05-มิ.ย.-24 23:00:00	32.67	7.31	942.36	7.00
06-มิ.ย.-24 00:00:00	32.46	7.38	946.24	5.85
06-มิ.ย.-24 01:00:00	32.25	7.32	950.12	5.61
06-มิ.ย.-24 02:00:00	32.04	7.20	953.99	5.49
06-มิ.ย.-24 03:00:00	31.83	7.21	957.87	6.26
06-มิ.ย.-24 04:00:00	30.89	7.07	959.97	3.10
06-มิ.ย.-24 05:00:00	29.82	7.03	961.31	2.21
06-มิ.ย.-24 06:00:00	28.86	6.98	962.64	
06-มิ.ย.-24 07:00:00	28.58	6.95	963.98	
06-มิ.ย.-24 08:00:00	30.06	6.92	965.32	
06-มิ.ย.-24 09:00:00	33.32	6.89	966.66	
06-มิ.ย.-24 10:00:00	37.23	6.86	968.00	
06-มิ.ย.-24 11:00:00		6.85	969.34	
06-มิ.ย.-24 12:00:00		6.84	969.32	
06-มิ.ย.-24 13:00:00		6.84	968.86	
06-มิ.ย.-24 14:00:00		6.83	968.40	
06-มิ.ย.-24 15:00:00		6.82	967.94	
06-มิ.ย.-24 16:00:00		6.82	967.48	
06-มิ.ย.-24 17:00:00	39.32	6.82	967.01	
06-มิ.ย.-24 18:00:00	37.27	6.82	966.55	
06-มิ.ย.-24 19:00:00	35.19	6.82	966.09	
06-มิ.ย.-24 20:00:00	33.50	6.83	962.61	
06-มิ.ย.-24 21:00:00	32.28	6.83	958.80	
06-มิ.ย.-24 22:00:00	32.57	8.25	930.50	11.22
06-มิ.ย.-24 23:00:00	32.35	7.31	939.45	10.56
07-มิ.ย.-24 00:00:00	32.13	7.22	948.40	9.66
07-มิ.ย.-24 01:00:00	31.90	7.23	957.35	9.05
07-มิ.ย.-24 02:00:00	31.68	7.25	961.24	8.81
07-มิ.ย.-24 03:00:00	31.37	7.27	962.19	8.71
07-มิ.ย.-24 04:00:00	30.10	7.06	963.15	5.04
07-มิ.ย.-24 05:00:00	28.91	7.01	964.11	4.19
07-มิ.ย.-24 06:00:00	28.14	6.98	965.06	3.69
07-มิ.ย.-24 07:00:00	27.73	6.95	966.02	3.19
07-มิ.ย.-24 08:00:00	29.31	6.91	966.97	2.49
07-มิ.ย.-24 09:00:00	32.55	6.88	967.93	
07-มิ.ย.-24 10:00:00	34.90	6.86	968.61	
07-มิ.ย.-24 11:00:00	37.60	6.84	969.15	
07-มิ.ย.-24 12:00:00		6.82	969.70	
07-มิ.ย.-24 13:00:00		6.80	970.24	
07-มิ.ย.-24 14:00:00		6.81	970.79	
07-มิ.ย.-24 15:00:00		6.81	971.33	
07-มิ.ย.-24 16:00:00		6.82	971.88	
07-มิ.ย.-24 17:00:00	38.48	6.82	971.65	
07-มิ.ย.-24 18:00:00	33.34	6.83	970.37	
07-มิ.ย.-24 19:00:00	31.28	6.83	969.09	
07-มิ.ย.-24 20:00:00	30.08	6.83	967.81	
07-มิ.ย.-24 21:00:00	29.19	6.84	966.54	
07-มิ.ย.-24 22:00:00	28.52	6.84	965.26	
07-มิ.ย.-24 23:00:00	32.65	8.27	992.45	11.64
08-มิ.ย.-24 00:00:00	32.45	8.33	1,003.40	10.07
08-มิ.ย.-24 01:00:00	32.23	7.17	1,014.35	9.22
08-มิ.ย.-24 02:00:00	32.01	7.18	1,019.66	8.97
08-มิ.ย.-24 03:00:00	31.79	7.19	1,021.11	8.76
08-มิ.ย.-24 04:00:00	31.57	7.19	1,022.57	8.64
08-มิ.ย.-24 05:00:00	31.32	7.20	1,024.03	8.57

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*Remark

Copy รายการ PI ในตารางเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
08-มิ.ย.-24 06:00:00	30.71	7.02	1,025.49	4.77
08-มิ.ย.-24 07:00:00	30.31371117	6.948775768	1026.946045	4.495857716
08-มิ.ย.-24 08:00:00	30.387743	6.907212257	1028.404175	3.332639456
08-มิ.ย.-24 09:00:00	31.53292084	6.87334156	1029.862305	
08-มิ.ย.-24 10:00:00	33.88082886	6.839470863	1030.229736	
08-มิ.ย.-24 11:00:00	37.10919189	6.805600643	1030.233643	
08-มิ.ย.-24 12:00:00	39.32252884	6.781520844	1030.237671	
08-มิ.ย.-24 13:00:00		6.782035828	1030.241577	
08-มิ.ย.-24 14:00:00		6.782550812	1030.245483	
08-มิ.ย.-24 15:00:00		6.783066273	1030.24939	
08-มิ.ย.-24 16:00:00		6.783581257	1030.253418	
08-มิ.ย.-24 17:00:00	39.18954849	6.784096718	1030.257324	
08-มิ.ย.-24 18:00:00	36.92551041	6.787386894	1028.804077	
08-มิ.ย.-24 19:00:00	34.66146851	6.795248508	1027.196411	
08-มิ.ย.-24 20:00:00	33.12007904	6.803109646	1025.588745	
08-มิ.ย.-24 21:00:00	31.98715401	6.810970783	1023.981018	
08-มิ.ย.-24 22:00:00	31.14674187	6.818832397	1022.373352	
08-มิ.ย.-24 23:00:00	29.31869316	6.826693535	1020.765686	
09-มิ.ย.-24 00:00:00	25.74996376	6.832464695	1020.970703	
09-มิ.ย.-24 01:00:00	25.52323723	6.838115692	1021.2995	
09-มิ.ย.-24 02:00:00	25.41017723	6.843767166	1021.628235	
09-มิ.ย.-24 03:00:00	25.34815598	6.849418163	1021.957031	
09-มิ.ย.-24 04:00:00	25.39555931	6.855069637	1022.285767	
09-มิ.ย.-24 05:00:00	25.44296265	6.860721111	1022.614502	
09-มิ.ย.-24 06:00:00	25.49036598	6.866372108	1022.943298	
09-มิ.ย.-24 07:00:00	26.26415634	6.870936394	1023.336182	
09-มิ.ย.-24 08:00:00	28.29401588	6.866007805	1024.397949	
09-มิ.ย.-24 09:00:00	27.43200493	6.861079216	1025.459839	
09-มิ.ย.-24 10:00:00	31.53658104	6.856150627	1026.521606	
09-มิ.ย.-24 11:00:00	38.10544205	6.851222038	1027.583374	
09-มิ.ย.-24 12:00:00		6.846293449	1028.645264	
09-มิ.ย.-24 13:00:00		6.841364861	1029.707031	
09-มิ.ย.-24 14:00:00	37.93362427	6.836436272	1030.768799	
09-มิ.ย.-24 15:00:00	37.31025696	6.834244251	1031.476563	
09-มิ.ย.-24 16:00:00	35.79455566	6.840082645	1029.855103	
09-มิ.ย.-24 17:00:00	34.23519135	6.845920563	1028.233643	
09-มิ.ย.-24 18:00:00	31.25966454	6.851758957	1026.612183	
09-มิ.ย.-24 19:00:00	30.55730438	6.857596874	1024.990723	
09-มิ.ย.-24 20:00:00	29.80920219	6.863435268	1023.369202	
09-มิ.ย.-24 21:00:00	29.31303215	6.869273186	1021.747742	
09-มิ.ย.-24 22:00:00	32.13335419	7.861231327	987.0918579	10.43971157
09-มิ.ย.-24 23:00:00	32.06930161	8.27551842	982.0013428	10.16128445
10-มิ.ย.-24 00:00:00	31.90597534	7.595761299	992.3395996	9.281492233
10-มิ.ย.-24 01:00:00	31.74265099	7.676589489	1002.677795	8.975478172
10-มิ.ย.-24 02:00:00	31.57932472	7.622827053	1013.016052	8.781208038
10-มิ.ย.-24 03:00:00	31.41599846	7.557902336	1023.354248	8.524147987
10-มิ.ย.-24 04:00:00	31.24490738	7.484866619	1025.634644	8.436008453
10-มิ.ย.-24 05:00:00	31.07177353	7.411830425	1027.378052	8.439964294
10-มิ.ย.-24 06:00:00	30.87184906	7.286957741	1029.121338	4.990862846
10-มิ.ย.-24 07:00:00	30.41503716	7.081626892	1030.864746	4.032429218
10-มิ.ย.-24 08:00:00	30.06526184	7.012972355	1032.608032	2.439683199
10-มิ.ย.-24 09:00:00	30.4567318	6.976861	1034.35144	2.303426743
10-มิ.ย.-24 10:00:00	31.7743721	6.940749645	1036.094727	
10-มิ.ย.-24 11:00:00	34.32677841	6.90463829	1037.078003	
10-มิ.ย.-24 12:00:00	33.89203644	6.923538208	1030.528198	
10-มิ.ย.-24 13:00:00	29.05847931	6.958189964	1026.069702	
10-มิ.ย.-24 14:00:00	26.92420197	6.950606346	1025.495239	
10-มิ.ย.-24 15:00:00	26.47288704	6.943022728	1024.920776	

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*Remark

Copy จากหน้า PI ในกรรณเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
10-มิ.ย.-24 16:00:00	26.8628521	6.93543911	1024.346313	
10-มิ.ย.-24 17:00:00	27.2003212	6.927855015	1023.771851	
10-มิ.ย.-24 18:00:00	26.74330139	6.920271397	1023.197388	
10-มิ.ย.-24 19:00:00	26.26738739	6.912687778	1022.622986	
10-มิ.ย.-24 20:00:00	26.15622902	6.915302277	1022.048523	
10-มิ.ย.-24 21:00:00	30.80744553	7.480447292	1021.862	9.140994072
10-มิ.ย.-24 22:00:00	30.63815117	7.544291019	1021.753906	8.82617569
10-มิ.ย.-24 23:00:00	30.4688549	7.482784748	1021.645752	8.465391159
11-มิ.ย.-24 00:00:00	30.29955864	7.421278954	1021.537598	8.460301399
11-มิ.ย.-24 01:00:00	29.73722267	7.176475048	1021.429504	3.629807234
11-มิ.ย.-24 02:00:00	28.66670799	7.061443329	1021.32135	2.987063646
11-มิ.ย.-24 03:00:00	28.03351021	7.026964188	1021.213257	2.727046251
11-มิ.ย.-24 04:00:00	27.58650589	7.003702164	1021.105103	2.055086374
11-มิ.ย.-24 05:00:00	27.13950157	6.98044014	1022.416138	
11-มิ.ย.-24 06:00:00	26.96438789	6.957177639	1023.753296	
11-มิ.ย.-24 07:00:00	27.04674149	6.933915615	1025.090454	
11-มิ.ย.-24 08:00:00	27.83008194	6.910653591	1026.427612	
11-มิ.ย.-24 09:00:00	29.65371323	6.887391567	1027.764771	
11-มิ.ย.-24 10:00:00	33.03815079	6.864129543	1029.101929	
11-มิ.ย.-24 11:00:00	33.82061386	6.851819038	1030.439087	
11-มิ.ย.-24 12:00:00	36.61095428	6.867369175	1029.556152	
11-มิ.ย.-24 13:00:00	31.00256538	6.87793541	1021.075317	
11-มิ.ย.-24 14:00:00	29.18891144	6.865526199	1021.81665	
11-มิ.ย.-24 15:00:00	32.03925705	6.853117466	1022.557983	
11-มิ.ย.-24 16:00:00	34.34305954	6.840708256	1023.299255	
11-มิ.ย.-24 17:00:00	34.56851196	6.828299046	1024.040649	
11-มิ.ย.-24 18:00:00	32.85370255	6.831890106	1024.78186	
11-มิ.ย.-24 19:00:00	31.13889122	6.844043732	1025.523193	
11-มิ.ย.-24 20:00:00	30.6078968	6.868754387	949.5498047	2.711266041
11-มิ.ย.-24 21:00:00	30.97737885	7.122626781	921.949585	5.472658634
11-มิ.ย.-24 22:00:00	30.89513397	7.355066776	931.7208862	7.15119791
11-มิ.ย.-24 23:00:00	30.8128891	7.389331341	941.4921875	7.526719093
12-มิ.ย.-24 00:00:00	30.73064423	7.423595905	951.2635498	7.918380737
12-มิ.ย.-24 01:00:00	30.64839935	7.457860947	959.328125	8.199250221
12-มิ.ย.-24 02:00:00	30.56615448	7.492935181	960.8521729	8.223143578
12-มิ.ย.-24 03:00:00	30.48390961	7.530351639	962.3762207	8.234285355
12-มิ.ย.-24 04:00:00	30.40166473	7.996603489	932.0772705	7.956680775
12-มิ.ย.-24 05:00:00	30.12745285	8.035738945	928.1258545	7.993796349
12-มิ.ย.-24 06:00:00	29.57956314	7.536961555	929.0229492	4.270390034
12-มิ.ย.-24 07:00:00	29.00488281	7.398200512	929.9200439	3.123697758
12-มิ.ย.-24 08:00:00	29.39842415	7.325695992	930.8171387	2.80926156
12-มิ.ย.-24 09:00:00	30.69281578	7.253191471	931.7142334	
12-มิ.ย.-24 10:00:00	34.1834259	7.180686474	932.6113221	
12-มิ.ย.-24 11:00:00	36.91559601	7.120432377	933.5084229	
12-มิ.ย.-24 12:00:00		7.088951588	934.4055176	
12-มิ.ย.-24 13:00:00		7.057471275	934.9162598	
12-มิ.ย.-24 14:00:00		7.025990486	935.3814087	
12-มิ.ย.-24 15:00:00		7.011881828	935.8466187	
12-มิ.ย.-24 16:00:00		7.016138554	936.3117676	
12-มิ.ย.-24 17:00:00		7.020394802	936.7769165	
12-มิ.ย.-24 18:00:00	38.02503967	7.024651051	937.2421265	
12-มิ.ย.-24 19:00:00	35.3601799	7.028907776	937.7072754	
12-มิ.ย.-24 20:00:00	32.80744934	7.033164024	938.1724854	
12-มิ.ย.-24 21:00:00	31.50746155	8.460896492	983.5304565	10.96481323
12-มิ.ย.-24 22:00:00	31.19070625	7.634554863	999.0421143	9.878088951
12-มิ.ย.-24 23:00:00	30.74768448	7.058494091	998.71875	4.678440571
13-มิ.ย.-24 00:00:00	30.10271835	6.989135265	997.8728027	3.839221001
13-มิ.ย.-24 01:00:00	29.45775032	6.936038494	997.0268555	3.193597078

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*Remark

Copy จากหน้า PI ในกรรณเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
13-มิ.ย.-24 02:00:00	29.05716896	6.925780296	996.1808472	2.671120644
13-มิ.ย.-24 03:00:00	28.75123978	6.921955585	995.3348999	2.00995326
13-มิ.ย.-24 04:00:00	28.44531059	6.918130875	994.4888916	2.110500574
13-มิ.ย.-24 05:00:00	28.13938332	6.914306164	993.6429443	2.032331228
13-มิ.ย.-24 06:00:00	27.83345413	6.910481453	993.1238403	2.111644506
13-มิ.ย.-24 07:00:00	28.0922699	6.906656742	994.8930054	
13-มิ.ย.-24 08:00:00	29.39636803	6.899188995	996.6621704	
13-มิ.ย.-24 09:00:00	33.32537842	6.876495361	998.4313965	
13-มิ.ย.-24 10:00:00	37.95303345	6.853801727	1000.200562	
13-มิ.ย.-24 11:00:00		6.831108093	1001.969727	
13-มิ.ย.-24 12:00:00	34.12707138	6.875466824	995.1134644	4.384132385
13-มิ.ย.-24 13:00:00	38.39400482	6.755821705	997.9559937	
13-มิ.ย.-24 14:00:00		6.71466732	1000.798584	
13-มิ.ย.-24 15:00:00		6.725815773	1003.641113	
13-มิ.ย.-24 16:00:00		6.741805077	1004.006104	
13-มิ.ย.-24 17:00:00		6.757794857	1002.651306	
13-มิ.ย.-24 18:00:00		6.773784637	1001.296509	
13-มิ.ย.-24 19:00:00	38.84024429	6.789774418	999.9417725	
13-มิ.ย.-24 20:00:00	37.09023285	6.805764198	998.5869751	
13-มิ.ย.-24 21:00:00	35.42583466	6.933743954	368.3977051	
13-มิ.ย.-24 22:00:00	31.90836334	8.023428917	1011.44696	12.01816654
13-มิ.ย.-24 23:00:00	32.00988388	8.171708107	1017.148254	11.05715466
14-มิ.ย.-24 00:00:00	31.82828903	7.683925629	1019.295593	9.874023438
14-มิ.ย.-24 01:00:00	31.64669037	7.033220768	1021.232544	9.249717712
14-มิ.ย.-24 02:00:00	31.46509361	7.03841877	1023.169495	8.608108521
14-มิ.ย.-24 03:00:00	31.28349686	7.042668819	1025.106445	8.494581223
14-มิ.ย.-24 04:00:00	30.95031166	6.905307293	1027.043457	5.017239571
14-มิ.ย.-24 05:00:00	30.34404373	6.861317158	1028.980347	4.366627216
14-มิ.ย.-24 06:00:00	29.7377739	6.817326546	1030.917358	3.729821205
14-มิ.ย.-24 07:00:00	29.7187748	6.796253681	1032.85437	3.310883284
14-มิ.ย.-24 08:00:00	30.90157127	6.777531624	1034.581055	
14-มิ.ย.-24 09:00:00	32.89559174	6.758809566	1036.116699	
14-มิ.ย.-24 10:00:00	35.86839294	6.740087986	1037.652222	
14-มิ.ย.-24 11:00:00	39.41391373	6.721365929	1039.187744	
14-มิ.ย.-24 12:00:00		6.710700512	1040.723267	
14-มิ.ย.-24 13:00:00		6.712921143	1042.258789	
14-มิ.ย.-24 14:00:00		6.715141773	1043.794312	
14-มิ.ย.-24 15:00:00		6.717362404	1045.329834	
14-มิ.ย.-24 16:00:00		6.719583035	1044.804199	
14-มิ.ย.-24 17:00:00		6.721714002	1043.113281	
14-มิ.ย.-24 18:00:00	39.14756775	6.721982479	1041.422485	
14-มิ.ย.-24 19:00:00	36.80316925	6.722250938	1039.731689	
14-มิ.ย.-24 20:00:00	34.96156311	6.722519398	1038.040771	
14-มิ.ย.-24 21:00:00	32.49424362	7.320799351	1078.490723	5.343463898
14-มิ.ย.-24 22:00:00	33.168293	7.906755924	1157.184937	10.03343105
14-มิ.ย.-24 23:00:00	33.12654877	7.764121532	1175.747192	9.167671204
15-มิ.ย.-24 00:00:00	32.97824097	7.734304428	1178.051514	8.641327858
15-มิ.ย.-24 01:00:00	32.82992935	7.704487324	1180.355835	8.408670425
15-มิ.ย.-24 02:00:00	32.68161774	7.674669743	1182.660156	8.316440582
15-มิ.ย.-24 03:00:00	32.53330612	7.644852638	1184.964478	8.320967674
15-มิ.ย.-24 04:00:00	32.38499832	7.615035534	1187.268799	8.313901901
15-มิ.ย.-24 05:00:00	32.23668671	7.586757183	1189.57312	8.279619026
15-มิ.ย.-24 06:00:00	32.08837509	7.574521542	1191.877441	8.169462204
15-มิ.ย.-24 07:00:00	32.05593491	7.5622859	1193.744507	8.289561272
15-มิ.ย.-24 08:00:00	32.06014252	7.550050735	1195.029907	8.521148817
15-มิ.ย.-24 09:00:00	35.13919067	7.231315136	1196.315308	2.300428629
15-มิ.ย.-24 10:00:00	38.31638336	7.179553509	1197.60083	
15-มิ.ย.-24 11:00:00		7.138641357	1198.88623	

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*Remark

Copy จากหน้า PI กรอกรงเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
15-มิ.ย.-24 12:00:00		7.097729206	1200.171631	
15-มิ.ย.-24 13:00:00		7.067940235	1201.457031	
15-มิ.ย.-24 14:00:00		7.069401264	1202.742432	
15-มิ.ย.-24 15:00:00		7.07086277	1202.734741	
15-มิ.ย.-24 16:00:00		7.072324276	1201.198853	
15-มิ.ย.-24 17:00:00		7.073785782	1199.663086	
15-มิ.ย.-24 18:00:00		7.075247288	1198.127197	
15-มิ.ย.-24 19:00:00	38.40432358	7.076708794	1196.591309	
15-มิ.ย.-24 20:00:00	36.46089935	7.0781703	1195.05542	
15-มิ.ย.-24 21:00:00	32.72637939	7.94420433	1108.4646	10.98999214
15-มิ.ย.-24 22:00:00	32.73970795	7.302532673	1098.577637	10.4903574
15-มิ.ย.-24 23:00:00	32.52235413	7.21228981	1098.003906	9.602628708
16-มิ.ย.-24 00:00:00	32.30499649	7.176993847	1097.430298	8.944321632
16-มิ.ย.-24 01:00:00	32.08764267	7.14169836	1096.856567	8.688985825
16-มิ.ย.-24 02:00:00	31.87028694	7.106402397	1096.282959	8.428506851
16-มิ.ย.-24 03:00:00	31.43138504	6.929449081	1095.709229	3.857462406
16-มิ.ย.-24 04:00:00	30.84732819	6.881421089	1095.135498	3.079139948
16-มิ.ย.-24 05:00:00	30.26327133	6.853022099	1094.56189	2.270221233
16-มิ.ย.-24 06:00:00	29.67921448	6.827563763	1094.595459	
16-มิ.ย.-24 07:00:00	29.66394043	6.801063061	1097.686279	
16-มิ.ย.-24 08:00:00	30.95269012	6.774561882	1100.7771	
16-มิ.ย.-24 09:00:00	33.47198105	6.772839069	1103.86792	
16-มิ.ย.-24 10:00:00	36.79339218	6.774213314	1106.95874	
16-มิ.ย.-24 11:00:00	39.78844833	6.77587559	1110.049561	
16-มิ.ย.-24 12:00:00		6.776961327	1113.140503	
16-มิ.ย.-24 13:00:00		6.778335571	1116.231323	
16-มิ.ย.-24 14:00:00		6.779709816	1117.012085	
16-มิ.ย.-24 15:00:00		6.781084061	1116.835327	
16-มิ.ย.-24 16:00:00		6.78281498	1116.658691	
16-มิ.ย.-24 17:00:00		6.794891834	1116.481934	
16-มิ.ย.-24 18:00:00	39.04430389	6.806968212	1116.305176	
16-มิ.ย.-24 19:00:00	36.99277115	6.819045067	1116.128418	
16-มิ.ย.-24 20:00:00	35.04784393	6.831121922	1115.95166	
16-มิ.ย.-24 21:00:00	33.38763046	7.885206699	1170.632324	12.0429039
16-มิ.ย.-24 22:00:00	33.45203781	8.151349068	1174.63208	11.96778107
16-มิ.ย.-24 23:00:00	33.22387695	7.293441772	1148.007202	9.333593369
17-มิ.ย.-24 00:00:00	32.99571609	7.183499813	1133.509644	7.693705559
17-มิ.ย.-24 01:00:00	32.76755524	7.179966927	1133.824463	6.427297115
17-มิ.ย.-24 02:00:00	32.53939056	7.17643404	1134.263916	5.574640751
17-มิ.ย.-24 03:00:00	32.31122971	7.172901154	1134.703247	5.306590557
17-มิ.ย.-24 04:00:00	32.08306885	7.169368267	1135.1427	4.94282341
17-มิ.ย.-24 05:00:00	31.21191597	7.113564491	1135.582153	
17-มิ.ย.-24 06:00:00	29.82926369	7.008449554	1110.390259	
17-มิ.ย.-24 07:00:00	29.29585266	6.995594025	1132.7948	
17-มิ.ย.-24 08:00:00	30.35137177	6.982909203	1142.384644	
17-มิ.ย.-24 09:00:00	33.07399368	6.980340004	1148.388672	
17-มิ.ย.-24 10:00:00	36.11584854	6.978513718	1148.59021	
17-มิ.ย.-24 11:00:00	39.65335464	6.981518269	1148.791748	
17-มิ.ย.-24 12:00:00		6.98452282	1148.993286	
17-มิ.ย.-24 13:00:00		6.987527847	1149.194824	
17-มิ.ย.-24 14:00:00		6.990532398	1149.396362	
17-มิ.ย.-24 15:00:00		6.993536949	1149.5979	
17-มิ.ย.-24 16:00:00		6.9965415	1149.799438	
17-มิ.ย.-24 17:00:00		6.999546051	1148.803101	
17-มิ.ย.-24 18:00:00	39.33469772	7.004117489	1146.257935	
17-มิ.ย.-24 19:00:00	37.44701004	7.01265192	1143.712646	
17-มิ.ย.-24 20:00:00	35.55932236	7.021186352	1141.16748	
17-มิ.ย.-24 21:00:00	34.04044342	7.029720783	1138.622314	

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*Remark

Copy จากหน้า PI กรอกรงเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
17-มิ.ย.-24 22:00:00	32.35518646	7.026990414	1131.789429	
17-มิ.ย.-24 23:00:00	32.84446335	7.83967495	1106.40271	10.77505779
18-มิ.ย.-24 00:00:00	32.61096954	8.191444397	1105.167236	9.976804733
18-มิ.ย.-24 01:00:00	32.37747192	7.581568718	1103.931763	8.828867912
18-มิ.ย.-24 02:00:00	32.14397812	7.45717001	1102.696411	8.242742538
18-มิ.ย.-24 03:00:00	31.91048431	7.341321945	1101.460938	8.105196953
18-มิ.ย.-24 04:00:00	31.27640533	7.100299358	1100.225464	
18-มิ.ย.-24 05:00:00	30.32900238	6.992228031	1098.98999	
18-มิ.ย.-24 06:00:00	29.4541893	6.942703724	1097.754517	
18-มิ.ย.-24 07:00:00	29.22283936	6.915296555	1098.787842	
18-มิ.ย.-24 08:00:00	30.68678093	6.887889385	1100.879517	
18-มิ.ย.-24 09:00:00	33.46086884	6.873220444	1102.971069	
18-มิ.ย.-24 10:00:00	36.98421097	6.877009392	1105.062622	
18-มิ.ย.-24 11:00:00		6.88079834	1107.154175	
18-มิ.ย.-24 12:00:00		6.884587288	1109.24585	
18-มิ.ย.-24 13:00:00		6.888376713	1110.005493	
18-มิ.ย.-24 14:00:00		6.892165661	1109.512451	
18-มิ.ย.-24 15:00:00		6.895954609	1109.019287	
18-มิ.ย.-24 16:00:00		6.899743557	1108.526123	
18-มิ.ย.-24 17:00:00		6.904423714	1108.032959	
18-มิ.ย.-24 18:00:00	39.19377899	6.909820557	1107.539795	
18-มิ.ย.-24 19:00:00	37.17047882	6.9152174	1107.046753	
18-มิ.ย.-24 20:00:00	35.14718246	6.920614243	1106.553589	
18-มิ.ย.-24 21:00:00	33.56591415	6.926011086	1106.096436	
18-มิ.ย.-24 22:00:00	32.50461578	6.931407928	1105.657715	
18-มิ.ย.-24 23:00:00	31.18537331	6.936804771	1105.218872	
19-มิ.ย.-24 00:00:00	30.30804062	6.942201614	1104.780029	
19-มิ.ย.-24 01:00:00	29.70061111	6.923034191	1104.341187	
19-มิ.ย.-24 02:00:00	29.15075874	6.883807182	1103.902466	
19-มิ.ย.-24 03:00:00	28.74457169	6.932188034	1103.463623	
19-มิ.ย.-24 04:00:00	28.33838654	6.87814188	1103.02478	
19-มิ.ย.-24 05:00:00	27.93727303	6.892529964	1104.755371	
19-มิ.ย.-24 06:00:00	27.74599648	6.912173271	1106.982056	
19-มิ.ย.-24 07:00:00	28.43906212	6.931817055	1109.20874	
19-มิ.ย.-24 08:00:00	31.57190132	6.934323311	1111.435425	
19-มิ.ย.-24 09:00:00	36.12859344	6.925470829	1113.542114	
19-มิ.ย.-24 10:00:00		6.916618347	1114.895752	
19-มิ.ย.-24 11:00:00		6.907765865	1116.24939	
19-มิ.ย.-24 12:00:00		6.913354397	1117.603027	
19-มิ.ย.-24 13:00:00		6.922184944	1118.956665	
19-มิ.ย.-24 14:00:00		6.931015015	1120.310303	
19-มิ.ย.-24 15:00:00		6.939845085	1121.66394	
19-มิ.ย.-24 16:00:00		6.948675632	1123.017578	
19-มิ.ย.-24 17:00:00		6.998461246	1125.041992	
19-มิ.ย.-24 18:00:00	39.03448486	7.057957649	1129.270386	
19-มิ.ย.-24 19:00:00	36.99658585	7.117453575	1133.498779	
19-มิ.ย.-24 20:00:00	34.95868683	7.176949978	1137.727173	
19-มิ.ย.-24 21:00:00	33.49365234	8.063114166	1147.86853	11.80208397
19-มิ.ย.-24 22:00:00	33.3469429	8.154099464	1159.745605	11.10620594
19-มิ.ย.-24 23:00:00	33.20023727	7.868620872	1166.545044	9.785701752
20-มิ.ย.-24 00:00:00	33.05353165	7.690738678	1169.773315	9.004628181
20-มิ.ย.-24 01:00:00	32.90682602	7.600527287	1169.788208	8.697447777
20-มิ.ย.-24 02:00:00	32.76011658	7.511300564	1169.803223	8.244001389
20-มิ.ย.-24 03:00:00	32.61341095	7.422073841	1169.818237	8.069225311
20-มิ.ย.-24 04:00:00	32.46670532	7.347186089	1169.833252	8.030855179
20-มิ.ย.-24 05:00:00	32.32778549	7.299759388	1169.848267	7.911608696
20-มิ.ย.-24 06:00:00	32.2017746	7.252333164	1169.863159	8.138160706
20-มิ.ย.-24 07:00:00	32.07575989	7.204906464	1169.878174	8.512775421

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
20-มิ.ย.-24 08:00:00	33.20132446	7.016600609	1172.790283	
20-มิ.ย.-24 09:00:00	35.80597305	6.927497864	1177.045166	
20-มิ.ย.-24 10:00:00	38.16966629	6.925094128	1179.703735	
20-มิ.ย.-24 11:00:00		6.922690392	1179.571899	
20-มิ.ย.-24 12:00:00		6.920286655	1179.440186	
20-มิ.ย.-24 13:00:00		6.917883396	1179.30835	
20-มิ.ย.-24 14:00:00		6.91547966	1179.176514	
20-มิ.ย.-24 15:00:00		6.921844959	1179.044678	
20-มิ.ย.-24 16:00:00		6.928309441	1178.912964	
20-มิ.ย.-24 17:00:00		6.934773445	1178.781128	
20-มิ.ย.-24 18:00:00		6.94123745	1178.050537	
20-มิ.ย.-24 19:00:00	38.6542244	6.947701454	1176.536865	
20-มิ.ย.-24 20:00:00	36.93891144	6.954165459	1175.023315	
20-มิ.ย.-24 21:00:00	33.14162445	7.980223656	1106.720459	18.30512428
20-มิ.ย.-24 22:00:00	32.63401413	8.128159523	1100.526733	14.17284584
20-มิ.ย.-24 23:00:00	32.18965912	7.688452721	1099.059937	12.09856224
21-มิ.ย.-24 00:00:00	31.8378315	7.435929298	1097.693604	10.40202236
21-มิ.ย.-24 01:00:00	31.54351807	7.268510342	1096.327393	10.01841068
21-มิ.ย.-24 02:00:00	30.92012978	7.118450642	1094.96106	
21-มิ.ย.-24 03:00:00	29.93705177	7.01203537	1093.594849	
21-มิ.ย.-24 04:00:00	29.0431366	6.990313053	1092.228516	
21-มิ.ย.-24 05:00:00	28.40152931	6.968721867	1090.862305	
21-มิ.ย.-24 06:00:00	27.75992393	6.955569267	1089.82373	
21-มิ.ย.-24 07:00:00	27.63433838	6.942416191	1092.670654	
21-มิ.ย.-24 08:00:00	28.99834824	6.929271221	1095.517578	
21-มิ.ย.-24 09:00:00	32.27762222	6.91831398	1098.364502	
21-มิ.ย.-24 10:00:00	35.21854019	6.923515797	1101.211426	
21-มิ.ย.-24 11:00:00	37.46934128	6.92871809	1101.397461	
21-มิ.ย.-24 12:00:00	39.80812454	6.933919907	1101.363281	
21-มิ.ย.-24 13:00:00		6.9391222	1101.329102	
21-มิ.ย.-24 14:00:00		6.944324017	1101.295044	
21-มิ.ย.-24 15:00:00		6.94952631	1101.260864	
21-มิ.ย.-24 16:00:00	38.7122612	6.954728127	1101.226807	
21-มิ.ย.-24 17:00:00	37.26968384	6.958923817	1101.192627	
21-มิ.ย.-24 18:00:00	35.75668716	6.959812164	1101.158447	
21-มิ.ย.-24 19:00:00	34.24368668	6.960700512	1100.519897	
21-มิ.ย.-24 20:00:00	32.88614655	6.96158886	1099.867676	
21-มิ.ย.-24 21:00:00	31.56254005	6.962477207	1099.215332	
21-มิ.ย.-24 22:00:00	30.80331802	6.963365555	1098.56311	
21-มิ.ย.-24 23:00:00	30.22643852	6.964253902	1097.910767	
22-มิ.ย.-24 00:00:00	29.72863007	6.96514225	1097.258545	
22-มิ.ย.-24 01:00:00	29.23082352	6.954615116	1096.606201	
22-มิ.ย.-24 02:00:00	28.73301506	6.939697266	1096.188599	
22-มิ.ย.-24 03:00:00		6.889317036	1097.314697	
22-มิ.ย.-24 04:00:00	27.73739815	6.930497646	1098.440674	
22-มิ.ย.-24 05:00:00	27.43581772	6.971678257	1099.566772	
22-มิ.ย.-24 06:00:00	27.19916344	6.996988297	1100.692749	
22-มิ.ย.-24 07:00:00	28.09514427	6.998354435	1101.818726	
22-มิ.ย.-24 08:00:00	30.11409187	6.999720097	1102.944824	
22-มิ.ย.-24 09:00:00	33.03463745	7.001086235	1104.070801	
22-มิ.ย.-24 10:00:00	36.19298172	7.002452374	1105.066772	
22-มิ.ย.-24 11:00:00	38.23855209	7.003818035	1105.744751	
22-มิ.ย.-24 12:00:00	39.82130432	7.005184174	1106.422729	
22-มิ.ย.-24 13:00:00	39.7682457	7.006550312	1107.100708	
22-มิ.ย.-24 14:00:00		7.009869099	1107.778687	
22-มิ.ย.-24 15:00:00	39.46722031	7.0147686	1108.456665	
22-มิ.ย.-24 16:00:00	39.60944366	7.019667625	1109.134644	
22-มิ.ย.-24 17:00:00	37.23607254	7.03312397	1109.812744	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
22-มิ.ย.-24 18:00:00	35.33871841	7.060426235	1109.349121	
22-มิ.ย.-24 19:00:00	33.64491272	7.087728977	1107.482544	
22-มิ.ย.-24 20:00:00	32.35339737	7.115031719	1105.615967	
22-มิ.ย.-24 21:00:00	32.61755371	7.229024887	1182.303467	7.583457947
22-มิ.ย.-24 22:00:00	32.48837662	7.471503735	1205.819946	6.846354961
22-มิ.ย.-24 23:00:00	32.34924698	7.534956455	1208.157593	6.390412807
23-มิ.ย.-24 00:00:00	32.21012115	7.524140835	1210.495239	5.907540798
23-มิ.ย.-24 01:00:00	32.07963943	7.490483761	1210.000977	5.834520817
23-มิ.ย.-24 02:00:00	31.94942284	7.43965435	1209.374878	5.660376549
23-มิ.ย.-24 03:00:00	31.81920433	7.38882494	1208.748901	5.575901985
23-มิ.ย.-24 04:00:00	31.68898582	7.349634647	1208.122925	6.044438362
23-มิ.ย.-24 05:00:00	31.55876732	7.348102093	1207.496948	6.55292511
23-มิ.ย.-24 06:00:00	31.42854881	7.346569061	1206.870972	6.942980766
23-มิ.ย.-24 07:00:00	31.29833031	7.34503603	1206.244873	7.589646816
23-มิ.ย.-24 08:00:00	31.22276497	7.259818554	1205.539673	
23-มิ.ย.-24 09:00:00	31.66859245	7.103044987	1204.200073	
23-มิ.ย.-24 10:00:00	33.14970016	6.974783421	1102.24292	
23-มิ.ย.-24 11:00:00	34.81668091	7.008290291	1199.557861	
23-มิ.ย.-24 12:00:00	37.29633713	7.028146267	1204.63208	
23-มิ.ย.-24 13:00:00	37.19233704	7.04800272	1206.655396	
23-มิ.ย.-24 14:00:00	37.2425766	7.062228203	1208.678589	
23-มิ.ย.-24 15:00:00	36.32396317	7.074908733	1210.701904	
23-มิ.ย.-24 16:00:00	35.283638	7.087589264	1210.679321	
23-มิ.ย.-24 17:00:00	34.03837585	7.100269794	1207.873047	
23-มิ.ย.-24 18:00:00	32.66860199	7.095219612	1205.06665	
23-มิ.ย.-24 19:00:00	31.1825695	7.089208603	1202.260376	
23-มิ.ย.-24 20:00:00	29.76628113	7.083197594	1199.454102	
23-มิ.ย.-24 21:00:00	31.52512169	7.068495274	1131.307007	3.679687977
23-มิ.ย.-24 22:00:00	31.33591461	7.167257786	1105.260986	5.389848232
23-มิ.ย.-24 23:00:00	31.14670563	7.162616253	1102.078003	5.525359631
24-มิ.ย.-24 00:00:00	30.95749855	7.148573399	1098.89502	4.901160717
24-มิ.ย.-24 01:00:00	29.0485096	7.013385773	1095.712036	
24-มิ.ย.-24 02:00:00	27.74200821	6.982422829	1092.529053	
24-มิ.ย.-24 03:00:00	27.22948647	6.972155571	1090.406372	
24-มิ.ย.-24 04:00:00	26.78237343	6.96188879	1090.229004	
24-มิ.ย.-24 05:00:00	26.57766151	6.951622009	1090.051636	
24-มิ.ย.-24 06:00:00	26.37295151	6.948153973	1089.874268	
24-มิ.ย.-24 07:00:00	26.16823959	6.951598644	1089.696899	
24-มิ.ย.-24 08:00:00	26.53174782	6.955043316	1089.519531	
24-มิ.ย.-24 09:00:00	27.40855217	6.958488464	1089.342285	
24-มิ.ย.-24 10:00:00	28.17152023	6.961933136	1089.164917	
24-มิ.ย.-24 11:00:00	27.87976265	6.878947735	174.4979858	
24-มิ.ย.-24 12:00:00	28.10388184	6.806052685	172.9390869	
24-มิ.ย.-24 13:00:00	29.13316345	6.797954082	171.3801727	
24-มิ.ย.-24 14:00:00	30.16244507	6.795676231	169.8212585	
24-มิ.ย.-24 15:00:00	31.78513145	6.786492348	168.2623596	
24-มิ.ย.-24 16:00:00	32.80641174	6.782771111	166.7034454	
24-มิ.ย.-24 17:00:00	32.6586647	6.78503418	165.1445313	
24-มิ.ย.-24 18:00:00	31.94012451	6.77716732	163.5856323	2.334280968
24-มิ.ย.-24 19:00:00	31.22158623	6.783367634	162.5852509	2.062468767
24-มิ.ย.-24 20:00:00	30.53395844	6.789567947	162.5910645	
24-มิ.ย.-24 21:00:00	29.86227417	6.788553715	162.5968781	
24-มิ.ย.-24 22:00:00	29.1905899	6.794857025	162.6026764	
24-มิ.ย.-24 23:00:00	28.61465073	6.795224667	162.60849	
25-มิ.ย.-24 00:00:00	28.34145927	6.795592308	162.6143036	
25-มิ.ย.-24 01:00:00	28.06826782	6.795959949	162.6201172	
25-มิ.ย.-24 02:00:00	27.79507637	6.796327114	162.6259308	
25-มิ.ย.-24 03:00:00	27.52188492	6.796694756	162.6296692	

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*Remark

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Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
25-มิ.ย.-24 04:00:00	27.24869347	6.797062397	162.6314392	
25-มิ.ย.-24 05:00:00	26.97550201	6.797430038	162.6332245	
25-มิ.ย.-24 06:00:00	26.95974731	6.801747322	162.6349945	
25-มิ.ย.-24 07:00:00	27.13497162	6.80284214	162.6367645	
25-มิ.ย.-24 08:00:00	28.44236565	6.786181927	162.6385345	
25-มิ.ย.-24 09:00:00	30.42410088	6.801133156	162.6403046	
25-มิ.ย.-24 10:00:00	32.20014572	6.812877655	162.6420746	2.290847301
25-มิ.ย.-24 11:00:00	34.82768631	6.795185566	162.5543365	2.67751646
25-มิ.ย.-24 12:00:00	31.80191612	6.805664539	162.421814	2.62829113
25-มิ.ย.-24 13:00:00	32.19168472	6.774559975	162.2893066	2.300415516
25-มิ.ย.-24 14:00:00	35.5920372	6.797492027	162.1567993	
25-มิ.ย.-24 15:00:00	35.85828018	6.827689648	162.0242767	
25-มิ.ย.-24 16:00:00	29.90255165	6.808156013	161.8917694	
25-มิ.ย.-24 17:00:00	28.38391113	6.798587799	161.7592621	3.692983866
25-มิ.ย.-24 18:00:00	27.44752502	6.814781666	161.6267548	3.271431446
25-มิ.ย.-24 19:00:00	26.95142555	6.817996979	162.0189972	2.801478148
25-มิ.ย.-24 20:00:00	26.45915222	6.817956924	162.5225372	2.951403856
25-มิ.ย.-24 21:00:00	26.30763245	6.838564396	163.0260925	2.98642087
25-มิ.ย.-24 22:00:00	30.90781212	7.158824444	1109.639404	9.222085953
25-มิ.ย.-24 23:00:00	30.86938667	7.414787769	1117.002808	8.629370689
26-มิ.ย.-24 00:00:00	30.83096313	7.467785358	1124.366211	7.57847929
26-มิ.ย.-24 01:00:00	30.77819252	7.475811005	1126.411865	6.911509037
26-มิ.ย.-24 02:00:00	30.63327789	7.45619154	1126.008911	6.805521965
26-มิ.ย.-24 03:00:00	30.48836517	7.424802303	1125.605957	7.350648403
26-มิ.ย.-24 04:00:00	30.34345245	7.39341259	1125.203003	8.010483742
26-มิ.ย.-24 05:00:00	29.55104828	7.351090431	1125.545898	2.734110594
26-มิ.ย.-24 06:00:00	28.56310654	7.274462223	1126.610352	2.027144909
26-มิ.ย.-24 07:00:00	28.30800438	7.197834492	1127.674683	2.172653198
26-มิ.ย.-24 08:00:00	29.07995796	7.118721008	1128.739014	
26-มิ.ย.-24 09:00:00	31.08021355	7.052603722	192.4983063	
26-มิ.ย.-24 10:00:00	32.68058395	6.820221901	172.4383698	
26-มิ.ย.-24 11:00:00	33.68561172	6.792001724	171.0341339	
26-มิ.ย.-24 12:00:00	30.42486572	6.808087349	169.6298828	
26-มิ.ย.-24 13:00:00	27.66861343	6.801632404	168.2256317	
26-มิ.ย.-24 14:00:00	26.79010773	6.813113213	166.8213959	2.224085331
26-มิ.ย.-24 15:00:00	26.37176895	6.811514378	165.4171448	2.253329754
26-มิ.ย.-24 16:00:00	26.80146027	6.809915543	164.0128937	12.55881882
26-มิ.ย.-24 17:00:00	27.56724548	6.685777187	153.6365204	2.897422791
26-มิ.ย.-24 18:00:00	27.41580772	6.673596382	153.2794189	2.720035791
26-มิ.ย.-24 19:00:00	27.23136139	6.661415577	152.9223175	2.349530458
26-มิ.ย.-24 20:00:00	27.04691315	6.649234295	152.5652161	2.381359816
26-มิ.ย.-24 21:00:00	30.17703438	6.83598423	662.505249	5.473447323
26-มิ.ย.-24 22:00:00	30.17681122	6.800385475	629.7714844	5.79509449
26-มิ.ย.-24 23:00:00	30.10347939	6.804265976	630.5724487	5.730188847
27-มิ.ย.-24 00:00:00	30.03014755	6.808146477	627.0043335	5.61871767
27-มิ.ย.-24 01:00:00	29.95681572	6.812026978	624.3983765	5.505729675
27-มิ.ย.-24 02:00:00	29.88348198	6.815907478	621.7923584	5.626832962
27-มิ.ย.-24 03:00:00	29.81015015	6.819788456	621.8858643	5.66445446
27-มิ.ย.-24 04:00:00	29.73681831	6.823668957	623.4239502	5.505204678
27-มิ.ย.-24 05:00:00	29.66348648	6.827549458	624.9620972	5.511332035
27-มิ.ย.-24 06:00:00	29.3880825	6.670898914	160.641983	
27-มิ.ย.-24 07:00:00	29.04303169	6.671055317	159.6698914	
27-มิ.ย.-24 08:00:00	28.91095543	6.67121172	158.6977997	2.016566753
27-มิ.ย.-24 09:00:00	30.24401283	6.671368122	157.7256927	2.606916904
27-มิ.ย.-24 10:00:00	30.4556942	6.671524525	156.7536011	3.248400927
27-มิ.ย.-24 11:00:00	30.69883347	6.671681404	155.7815094	3.510411024
27-มิ.ย.-24 12:00:00	31.65784073	6.671837807	154.8094177	3.50596714
27-มิ.ย.-24 13:00:00	33.900177	6.671994209	153.837326	3.57315731

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*Remark

Copy จากหน้า PI กรงกรเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
27-มิ.ย.-24 14:00:00	35.92540359	6.672588825	153.1603088	3.265532732
27-มิ.ย.-24 15:00:00	35.36155701	6.677830219	153.1951904	3.243790627
27-มิ.ย.-24 16:00:00	33.90709686	6.683071613	153.230072	4.557645321
27-มิ.ย.-24 17:00:00	32.83383179	6.688313007	153.2649536	5.218698025
27-มิ.ย.-24 18:00:00	32.00878906	6.693554401	153.2998352	5.986922264
27-มิ.ย.-24 19:00:00	31.18375015	6.698795795	153.3347168	6.789656639
27-มิ.ย.-24 20:00:00	30.35871124	6.704037189	153.3695984	6.286599636
27-มิ.ย.-24 21:00:00	29.53367043	6.709278584	153.40448	5.873319626
27-มิ.ย.-24 22:00:00	30.38113403	6.926984787	743.9598999	7.57963419
27-มิ.ย.-24 23:00:00	30.52462578	6.997306824	750.1965332	8.477376938
28-มิ.ย.-24 00:00:00	30.54127884	6.994994164	750.1809692	8.362680435
28-มิ.ย.-24 01:00:00	30.43927383	6.992681503	750.1653442	8.25376606
28-มิ.ย.-24 02:00:00	30.33727074	6.99036932	750.1497803	8.11682415
28-มิ.ย.-24 03:00:00	30.23526573	6.98805666	750.1341553	7.941859722
28-มิ.ย.-24 04:00:00	30.13326073	6.985743999	750.1185913	7.833175182
28-มิ.ย.-24 05:00:00	30.00662041	6.762197971	158.5682678	4.656778812
28-มิ.ย.-24 06:00:00	29.27118683	6.727937222	150.5791931	4.53711462
28-มิ.ย.-24 07:00:00	28.88049889	6.741170883	150.9195709	4.781536102
28-มิ.ย.-24 08:00:00	29.82177162	6.754405022	151.2599487	5.432114601
28-มิ.ย.-24 09:00:00	31.58778763	6.764128208	151.6003265	7.140529633
28-มิ.ย.-24 10:00:00	34.36995697	6.764467239	151.9407043	7.577757359
28-มิ.ย.-24 11:00:00	37.17602921	6.764805794	152.2810822	7.277281284
28-มิ.ย.-24 12:00:00	38.67559814	6.765144825	152.62146	6.572463512
28-มิ.ย.-24 13:00:00	38.97880936	6.765483379	152.9618378	5.984513283
28-มิ.ย.-24 14:00:00	37.61431122	6.765822411	153.0847015	7.56176281
28-มิ.ย.-24 15:00:00	36.45301056	6.766160965	152.9446716	7.281395435
28-มิ.ย.-24 16:00:00	35.50833511	6.766499519	152.8046417	6.828260899
28-มิ.ย.-24 17:00:00	34.49066162	6.768044472	152.6646271	7.082621098
28-มิ.ย.-24 18:00:00	33.47298813	6.771175385	152.5245972	7.027336121
28-มิ.ย.-24 19:00:00	32.45531464	6.77430582	152.3845673	6.265586376
28-มิ.ย.-24 20:00:00	31.39306641	6.777436733	152.2445374	5.85874176
28-มิ.ย.-24 21:00:00	30.57595444	7.065392494	753.1411743	8.80473423
28-มิ.ย.-24 22:00:00	30.59673882	7.003495693	643.6170654	7.906163692
28-มิ.ย.-24 23:00:00	30.43876648	6.989937782	649.2114868	7.390049934
29-มิ.ย.-24 00:00:00	30.28079605	6.967169762	649.6781006	7.10814333
29-มิ.ย.-24 01:00:00	30.12282372	6.944402218	650.1447754	6.869197369
29-มิ.ย.-24 02:00:00	29.64420509	6.76618576	158.3830719	3.486343384
29-มิ.ย.-24 03:00:00	29.0082531	6.764957905	157.3331299	3.146360636
29-มิ.ย.-24 04:00:00	28.3723011	6.763729572	156.2832031	3.011749506
29-มิ.ย.-24 05:00:00	27.87717628	6.762501717	155.2332611	2.882544756
29-มิ.ย.-24 06:00:00	27.53945541	6.761273861	154.1833344	2.832259178
29-มิ.ย.-24 07:00:00	27.6156044	6.760046005	153.1333923	2.910641909
29-มิ.ย.-24 08:00:00	28.68491936	6.75881815	152.0834656	2.92363286
29-มิ.ย.-24 09:00:00	30.4423542	6.757590294	151.035236	2.868286371
29-มิ.ย.-24 10:00:00	32.79303741	6.777438164	151.1423035	3.390927076
29-มิ.ย.-24 11:00:00	36.30744553	6.805767059	151.3487701	7.334275723
29-มิ.ย.-24 12:00:00	37.30312347	6.816514492	151.5552521	8.603703499
29-มิ.ย.-24 13:00:00	30.49003601	6.825116158	151.761734	8.077522278
29-มิ.ย.-24 14:00:00	28.94778061	6.814986706	151.9682159	7.349471569
29-มิ.ย.-24 15:00:00	29.94608116	6.804857254	152.1746979	7.193255901
29-มิ.ย.-24 16:00:00	30.90278625	6.794727802	152.3811798	6.478895664
29-มิ.ย.-24 17:00:00	30.97953224	6.784598351	152.5601654	5.944213867
29-มิ.ย.-24 18:00:00	30.39744186	6.774468899	152.4067078	5.721440792
29-มิ.ย.-24 19:00:00	29.80980873	6.764339447	152.2532349	6.139823914
29-มิ.ย.-24 20:00:00	29.2221756	6.754209995	152.0997772	6.081851482
29-มิ.ย.-24 21:00:00	31.00721741	7.144262791	762.203186	9.066022873
29-มิ.ย.-24 22:00:00	30.89377975	7.152671814	746.7388306	8.685558319
29-มิ.ย.-24 23:00:00	30.7803421	7.135209084	746.5848389	8.423508644

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*Remark

Copy จารุทหำ PI จารุทหำเป็น value.

Time	10GMB30CT001XQ01.PV	10GMB30CQ001XQ01.PV	10GMB30CQ002XQ01.PV	10GMB30CQ003XQ01.PV
	WASTE WATER TEMP	WASTE WATER PH	WASTE WATER CONDUCTIVITY	WASTE WATER D.O.
	DEG C	pH	uS/CM	mg/L
30-มิ.ย.-24 00:00:00	30.66690254	7.106276512	746.4187012	8.119062424
30-มิ.ย.-24 01:00:00	30.55346489	7.077343941	746.2525635	7.884796619
30-มิ.ย.-24 02:00:00	30.44002724	7.048411846	746.0864258	7.585773468
30-มิ.ย.-24 03:00:00	30.32658958	7.019479275	745.9203491	7.330330849
30-มิ.ย.-24 04:00:00	29.8110981	6.771071911	155.8012085	3.08110714
30-มิ.ย.-24 05:00:00	29.09457016	6.755703449	155.3433228	2.560429335
30-มิ.ย.-24 06:00:00	28.37804222	6.762124538	154.885437	2.281986952
30-มิ.ย.-24 07:00:00	28.25844765	6.768545628	154.4275665	2.278031111
30-มิ.ย.-24 08:00:00	28.3014183	6.774966717	153.9696808	2.344944
30-มิ.ย.-24 09:00:00	27.82132912	6.781387806	153.5118103	3.663477421
30-มิ.ย.-24 10:00:00	29.83	6.79	153.05	5.72
30-มิ.ย.-24 11:00:00	34.23	6.79	152.60	6.83
30-มิ.ย.-24 12:00:00	37.16	6.80	152.52	6.98
30-มิ.ย.-24 13:00:00	36.53	6.80	152.53	7.46
30-มิ.ย.-24 14:00:00	38.22	6.80	152.54	7.52
30-มิ.ย.-24 15:00:00	38.92	6.79	152.54	7.82
30-มิ.ย.-24 16:00:00	38.71	6.79	152.55	7.01
30-มิ.ย.-24 17:00:00	37.26	6.79	152.56	6.43
30-มิ.ย.-24 18:00:00	35.61	6.78	152.57	6.02
30-มิ.ย.-24 19:00:00	33.74	6.78	152.57	5.99
30-มิ.ย.-24 20:00:00	32.08	6.78	153.07	6.25
30-มิ.ย.-24 21:00:00	31.17	7.08	684.13	9.93
30-มิ.ย.-24 22:00:00	31.14	7.08	658.94	9.68
30-มิ.ย.-24 23:00:00	31.00	7.07	661.37	9.45
01-ก.ค.-24 00:00:00	30.85	7.04	660.33	8.77