

คุณภาพน้ำใต้ดิน



บริษัท เอส.พี.เอส. คอนซัลติ้ง เซอร์วิส จำกัด  
S.P.S. CONSULTING SERVICE CO., LTD.  
7 ซอยพหลโยธิน 24 ถนนพหลโยธิน แขวงจอมพล เขตจตุจักร กรุงเทพฯ 10900  
7 Soi Phaholyothin 24, Phaholyothin Rd., Jompol, Chatuchak, Bangkok 10900  
Tel : (662) 939-4370-72, Fax : (662) 513-4221, E-mail : sale@spicon.com, www.spicon.com

1/1

Ref. No. WR523-WR524, WR528/03/24  
109/1/67

Report No. 2403/445

### Groundwater Quality Analysis Report

Project : PTT Asahi Chemical Co., Ltd.  
Project Location : WHA Eastern Industrial Estate (Map Ta Phut)  
8 Phangmuang Chapoh 3-1 Road, Huai Pong,  
Mueang Rayong, Rayong  
Client Name/Address : NPC Safety and Environmental Service Co., Ltd.  
Sampling Method : Grab  
Sampling by : Theppitak Sophon (๓-011-๙-0017)  
S.P.S. Consulting Service Co., Ltd. (๓-011)

Sampling Date : 26 March 2024  
Date Received : 26 March 2024  
Date of Analysis : 26 March-9 April 2024  
Date Reported : 10 April 2024

Parameter	Analytical Method	MW4	MW5	MW9	Standard	LOQ
pH	Electrometric Method (d500-H <sup>+</sup> B.)	4.53	6.08	4.41	6.5-9.2 <sup>(1)</sup>	-
Antimony (mg/L)	Digestion, Inductively Coupled Plasma Method (3030 F. & 3120 B.)	0.04	0.02	<0.01	1.0	<0.01
Vanadium (mg/L)	Digestion, Inductively Coupled Plasma Method (3030 F. & 3120 B.)	<0.005	0.006	<0.005	17	<0.005
Total Petroleum Hydrocarbon (C <sub>5</sub> -C <sub>33</sub> )						
- TPH (C <sub>5</sub> -C <sub>9</sub> ) (mg/L)	Purge and Trap, Gas Chromatographic / Flame Ionization Detector Method (U.S. EPA Method 5030C & 8015D*)	<0.00004	<0.00004	<0.00004	1.4	<0.00004

#### Remark:

##### Sample Characteristics:

4. MW4 (Location 0730449E, 1406205N) : Yellow turbid with slightly precipitate.  
5. MW5 (Location 0730497E, 1406021N) : Yellow turbid with slightly precipitate.  
9. MW9 (Location 0730032E, 1405923N) : Yellow turbid with slightly precipitate.

<sup>(1)</sup> In the case of acid or alkaline contamination, compare the result of pH value at down-gradient with up-gradient. The pH value change must not exceed one level and in the range of maximum allowable concentration of the groundwater quality standards for drinking purposes is 6.5 to 9.2

- TPH (C<sub>5</sub>-C<sub>9</sub>): Sum of n-Pentane, n-Hexane, n-Heptane, n-Octane

- Standard = Criteria and Inspection of Soil and Groundwater Contamination in Factory Area, Notification of Ministry of Industry B.E. 2559 (2016)  
Method = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24<sup>th</sup> Edition, 2023.  
Method\* = United States Environmental Protection Agency (U.S. EPA) Method

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



(Sujinda Vichasawat)

๓-011-๙-0025

Laboratory Supervisor

10.04.24

----- End of Report -----



บริษัท เอส.พี.เอส. คอนซัลติ้ง เซอร์วิส จำกัด  
S.P.S. CONSULTING SERVICE CO., LTD.  
7 ซอยพหลโยธิน 24 ถนนพหลโยธิน แขวงจอมพล เขตจตุจักร กรุงเทพฯ 10900  
7 Soi Phaholyothin 24, Phaholyothin Rd., Jompol, Chatuchak, Bangkok 10900  
Tel : (662) 939-4370-72, Fax : (662) 513-4221, E-mail : sale@spicon.com, www.spicon.com

1/1

Ref. No. WR523-WR524, WR528/03/24  
109/1/67

Report No. 2403/445\_1

### Groundwater Quality Analysis Report

Project : PTT Asahi Chemical Co., Ltd.  
Project Location : WHA Eastern Industrial Estate (Map Ta Phut)  
8 Phangmuang Chapoh 3-1 Road, Huai Pong,  
Mueang Rayong, Rayong  
Client Name/Address : NPC Safety and Environmental Service Co., Ltd.  
Sampling Method : Grab  
Sampling by : Theppitak Sophon  
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 26 March 2024  
Date Received : 26 March 2024  
Date of Analysis : 26 March-9 April 2024  
Date Reported : 10 April 2024

Parameter	Analytical Method	MW4	MW5	MW9	Standard	LOQ
Acrylonitrile (mg/L)	Purge and Trap Capillary-Column Gas Chromatographic/Mass Spectrometric Method (Method 8260C)	<0.002	<0.002	<0.002	0.1	<0.002
Methyl Methacrylate (mg/L)	Purge and Trap Capillary-Column Gas Chromatographic/Mass Spectrometric Method (Method 8260C)	<0.007	<0.007	<0.007	-	<0.007

#### Remark:

##### Sample Characteristics:

4. MW4 (Location 0730449E, 1406205N) : Yellow turbid with slightly precipitate.  
5. MW5 (Location 0730497E, 1406021N) : Yellow turbid with slightly precipitate.  
9. MW9 (Location 0730032E, 1405923N) : Yellow turbid with slightly precipitate.

Standard = The Standard Value of PTT AC

Method = United States Environmental Protection Agency (U.S. EPA) Method

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



(Sujinda Vichasawat)

Laboratory Supervisor

10.04.24

----- End of Report -----