

คุณภาพดิน



บริษัท เอส.พี.เอส. คอนซัลติ้ง เซอร์วิส จำกัด
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1/1

Ref. No. SR019/03/24

Report No. 2403/445_1

109/1/67

Soil Quality Analysis Report

Project : PTT Asahi Chemical Co., Ltd. Sampling Date : 26 March 2024
Project Location : WHA Eastern Industrial Estate (Map Ta Phut)
8 Phangmuang Chapoh 3-1 Road, Huai Pong, Date Received : 26 March 2024
Mueang Rayong, Rayong Date of Analysis : 26 March-9 April 2024
Date Reported : 10 April 2024
Client Name/Address : NPC Safety and Environmental Service Co., Ltd.
Sampling Method : Grab
Sampling by : Theppitak Sophon
S.P.S. Consulting Service Co., Ltd.

Parameter	Analytical Method	MW4	Standard	LOQ
		Depth 0.3 m.		
pH	Electrometric Method (U.S. EPA 9045D)	6.56	-	-
Acrylonitrile (mg/kg dry weight)	Purge and Trap, Gas Chromatographic / Mass Spectrometric Method (U.S. EPA 5035A & U.S. EPA 8260D)	<0.002	7.0 ^[2]	<0.002
Methyl Methacrylate (mg/kg dry weight)	Purge and Trap, Gas Chromatographic / Mass Spectrometric Method (U.S. EPA 5035A & U.S. EPA 8260D)	<0.007	-	<0.007

Remark:

Standard^[1] = Criteria and Inspection of Soil and Groundwater Contamination in Factory Area, Notification of Ministry of Industry B.E. 2559 (2016)
Standard^[2] = The Standard Value of PTT AC

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 -----



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Ref. No. SR019/03/24

Report No. 2403/445_2

109/1/67

Soil Quality Analysis Report

Project : PTT Asahi Chemical Co., Ltd. Sampling Date : 26 March 2024
Project Location : WHA Eastern Industrial Estate (Map Ta Phut)
8 Phangmuang Chapoh 3-1 Road, Huai Pong, Date Received : 26 March 2024
Mueang Rayong, Rayong Date of Analysis : 26 March-9 April 2024
Date Reported : 10 April 2024
Client Name/Address : NPC Safety and Environmental Service Co., Ltd.
Sampling Method : Grab
Sampling by : Theppitak Sophon (7-011-9-0017)
S.P.S. Consulting Service Co., Ltd. (7-011)

Parameter	Analytical Method	MW4	Standard	LOQ
		Depth 0.3 m.		
Total Antimony (mg/kg dry weight)	Digestion, Inductively Coupled Plasma Method (U.S. EPA 3050B & U.S. EPA 6010D)	10	1,000	<1.0
Total Vanadium (mg/kg dry weight)	Digestion, Inductively Coupled Plasma Method (U.S. EPA 3050B & U.S. EPA 6010D)	19	1,000	<0.5
Total Petroleum Hydrocarbon (C ₅ -C ₁₀)				
- TPH (C ₅ -C ₁₀) (mg/kg dry weight)	Purge and Trap, Gas Chromatographic Method (U.S. EPA Method 5035A & 8015D)	<0.00004	25	<0.00004

Remark:

- TPH (C₅-C₁₀) : 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)

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(Sujinda Vichasawat)

7-011-n-0025

Laboratory Supervisor
10/04/24

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Ref. No. SR021/03/24
109/1/67

Report No. 2403/445_1

Soil Quality Analysis Report

Project : PTT Asahi Chemical Co., Ltd. Sampling Date : 26 March 2024
Project Location : WHA Eastern Industrial Estate (Map Ta Phut)
8 Phangmuang Chapoh 3-1 Road, Huai Pong, Mueang Rayong, Rayong
Date Received : 26 March 2024
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Date Reported : 10 April 2024
Client Name/Address : NPC Safety and Environmental Service Co., Ltd.
Sampling Method : Grab
Sampling by : Theppitak Sophon
S.P.S. Consulting Service Co., Ltd.

Parameter	Analytical Method	MWS	Standard	LOQ
		Depth 0.3 m.		
pH	Electrometric Method (U.S. EPA 9045D)	7.04	-	-
Acrylonitrile (mg/kg dry weight)	Purge and Trap, Gas Chromatographic / Mass Spectrometric Method (U.S. EPA 5035A & U.S. EPA 8260D)	<0.002	7.0 ⁽²⁾	<0.002
Methyl Methacrylate (mg/kg dry weight)	Purge and Trap, Gas Chromatographic / Mass Spectrometric Method (U.S. EPA 5035A & U.S. EPA 8260D)	<0.007	-	<0.007

Remark:

Standard⁽¹⁾ = Criteria and Inspection of Soil and Groundwater Contamination in Factory Area, Notification of Ministry of Industry B.E. 2559 (2016)
Standard⁽²⁾ = The Standard Value of PTT AC

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Laboratory Supervisor
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109/1/67

Report No. 2403/445_2

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Date Reported : 10 April 2024
Client Name/Address : NPC Safety and Environmental Service Co., Ltd.
Sampling Method : Grab
Sampling by : Theppitak Sophon (๓-011-๓-0017)
S.P.S. Consulting Service Co., Ltd. (๓-011)

Parameter	Analytical Method	MWS	Standard	LOQ
		Depth 0.3 m.		
Total Antimony (mg/kg dry weight)	Digestion, Inductively Coupled Plasma Method (U.S. EPA 3050B & U.S. EPA 6010D)	<1.0	1,000	<1.0
Total Vanadium (mg/kg dry weight)	Digestion, Inductively Coupled Plasma Method (U.S. EPA 3050B & U.S. EPA 6010D)	37	1,000	<0.5
Total Petroleum Hydrocarbon (C ₅ -C ₂₅)	Purge and Trap, Gas Chromatographic Method (U.S. EPA Method 5035A & 8015D)	<0.00004	25	<0.00004
- TPH (C ₅ -C ₄) (mg/kg dry weight)				

Remark:

- TPH (C₅-C₄) : 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)

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Client Name/Address : NPC Safety and Environmental Service Co., Ltd.
Sampling Method : Grab
Sampling by : Theppitak Sophon
S.P.S. Consulting Service Co., Ltd.

Parameter	Analytical Method	MW9	Standard	LOQ
		Depth 0.3 m.		
pH	Electrometric Method (U.S. EPA 9045D)	6.94	-	-
Acrylonitrile (mg/kg dry weight)	Purge and Trap, Gas Chromatographic / Mass Spectrometric Method (U.S. EPA 5035A & U.S. EPA 8260D)	<0.002	7.0 ⁽²⁾	<0.002
Methyl Methacrylate (mg/kg dry weight)	Purge and Trap, Gas Chromatographic / Mass Spectrometric Method (U.S. EPA 5035A & U.S. EPA 8260D)	<0.007	-	<0.007

Remark:

- Standard⁽¹⁾ = Criteria and Inspection of Soil and Groundwater Contamination in Factory Area, Notification of Ministry of Industry B.E. 2559 (2016)
Standard⁽²⁾ = The Standard Value of PTT AC

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Sampling Method : Grab
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S.P.S. Consulting Service Co., Ltd. (๓-011)

Parameter	Analytical Method	MW9	Standard	LOQ
		Depth 0.3 m.		
Total Antimony (mg/kg dry weight)	Digestion, Inductively Coupled Plasma Method (U.S. EPA 3050B & U.S. EPA 6010D)	1.9	1,000	<1.0
Total Vanadium (mg/kg dry weight)	Digestion, Inductively Coupled Plasma Method (U.S. EPA 3050B & U.S. EPA 6010D)	21	1,000	<0.5
Total Petroleum Hydrocarbon (C ₇ -C ₃₃)	Purge and Trap, Gas Chromatographic Method (U.S. EPA Method 5035A & 8015D)	<0.00004	25	<0.00004
- TPH (C ₇ -C ₉) (mg/kg dry weight)				

Remark:

- TPH (C₇-C₉) : 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)

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