



Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

P/O :

Project Name : Chonburi Bowin

Project Location :

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305216-1

Page 1 of 1

Sample Number	2230668-1
Sampled Date	Apr 26, 2022 10:00 AM
Sample Description	Underground Water
Location	GW1 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศเหนือ
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	6.2	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช่เป็นบ่ออ้างอิงบนทิศทางแหล่งของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่ไขว้โรคคือ 6.5-9.2

Sampled By : Pathompong Kornawat , Nontachai Uppathamp

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

N. Banchongkit

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305216-2

Client : Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

P/O :

Project Name : Chonburi Bowin

Project Location :

Page 1 of 1

Sample Number	2230668-1
Sampled Date	Apr 26, 2022 10:00 AM
Sample Description	Underground Water
Location	GW1 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศเหนือ
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.16	0.1	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.18	160	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	6.0	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	0.0006	4.0	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	2.82	33	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.0008	5.0	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	40	Based on APHA (2017), Calculated	Bangkok
Zinc	mg/L	0.003	0.005	<0.005	10	Based on APHA (2017), 3125	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornasawat , Nontachai Uppathamp

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- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Sawitree N.

Sawitree Noisangiam

Assistant Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanok Korn Anek

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING

No.0009

Client : Rojana Industrial Park Public Co., Ltd.
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

P/O :

Project Name : Chonburi Bowin

Project Location :

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305216-3

Page 1 of 1

Sample Number	2230668-1
Sampled Date	Apr 26, 2022 10:00 AM
Sample Description	Underground Water
Location	GW1 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศเหนือ
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.25	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	Not Detected	No Standard	Based on APHA (2017), 3125	Bangkok
Iron	mg/L	0.003	0.005	18.7	No Standard	Based on APHA (2017), 3125	Bangkok
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	3	No Standard	Based on APHA (2017), 4500-Cl(B)	Rayong
Color *	Color unit	-	5	5	No Standard	APHA (2017), 2120 B	Rayong
Fluoride *	mg/L	-	0.2	0.60	No Standard	APHA (2017), 4500-F(C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	Not Detected	No Standard	Based on APHA (2017), 4500-NO3(E)	Rayong
Permanent Hardness as CaCO ₃ *	mg/L	-	1	<1	No Standard	Based on APHA (2017), 2320 B	Bangkok
Sulfate *	mg/L	0.6	2	25.9	No Standard	Based on APHA (2017), 4500-SO4(E)	Rayong
Total Alkalinity as CaCO ₃ *	mg/L	-	1	39	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	96	No Standard	APHA (2017), 2540 C	Rayong
Total Hardness as CaCO ₃ *	mg/L	-	1	27	No Standard	APHA (2017), 2340 C	Bangkok
Turbidity *	NTU	-	0.1	135	No Standard	Based on APHA (2017), 2130 B	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornasawat, Nontachai Uppathamp

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Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

P/O :

Project Name : Chonburi Bowin

Project Location :

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305217-1

Page 1 of 1

Sample Number	2230668-2
Sampled Date	Apr 26, 2022 11:50 AM
Sample Description	Underground Water
Location	GW2 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศใต้
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	6.6	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

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Sampled By : Pathompong Kornawat , Nontachai Uppathamp

Remark :

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Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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No.0009

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305217-2

Client : Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

P/O :

Project Name : Chonburi Bowin

Project Location :

Page 1 of 1

Sample Number	2230668-2
Sampled Date	Apr 26, 2022 11:50 AM
Sample Description	Underground Water
Location	GW2 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศใต้
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.0007	0.1	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.24	160	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	6.0	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	0.0009	4.0	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	2.80	33	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.003	5.0	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	40	Based on APHA (2017), Calculated	Bangkok
Zinc	mg/L	0.003	0.005	0.006	10	Based on APHA (2017), 3125	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornasawat , Nontachai Uppathamp

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Technical Management

Savitree N.

Savitree Noisangiam

Assistant Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanok Korn Anek

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING

No.0009

Client : Rojana Industrial Park Public Co., Ltd.
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

P/O :

Project Name : Chonburi Bowin

Project Location :

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305217-3

Page 1 of 1

Sample Number	2230668-2
Sampled Date	Apr 26, 2022 11:50 AM
Sample Description	Underground Water
Location	GW2 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศใต้
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.17	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.0005	No Standard	Based on APHA (2017), 3125	Bangkok
Iron	mg/L	0.003	0.005	0.13	No Standard	Based on APHA (2017), 3125	Bangkok
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	9	No Standard	Based on APHA (2017), 4500-Cl(B)	Rayong
Color *	Color unit	-	5	<5	No Standard	APHA (2017), 2120 B	Rayong
Fluoride *	mg/L	-	0.2	0.30	No Standard	APHA (2017), 4500-F(C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.28	No Standard	Based on APHA (2017), 4500-NO3(E)	Rayong
Permanent Hardness as CaCO ₃ *	mg/L	-	1	<1	No Standard	Based on APHA (2017), 2320 B	Bangkok
Sulfate *	mg/L	0.6	2	16.7	No Standard	Based on APHA (2017), 4500-SO4(E)	Rayong
Total Alkalinity as CaCO ₃ *	mg/L	-	1	113	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	186	No Standard	APHA (2017), 2540 C	Rayong
Total Hardness as CaCO ₃ *	mg/L	-	1	108	No Standard	APHA (2017), 2340 C	Bangkok
Turbidity *	NTU	-	0.1	2.9	No Standard	Based on APHA (2017), 2130 B	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornasawat, Nontachai Uppathamp

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Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

P/O :

Project Name : Chonburi Bowin

Project Location :

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305218-1

Page 1 of 1

Sample Number	2230668-3
Sampled Date	Apr 26, 2022 3:50 PM
Sample Description	Underground Water
Location	GW3 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศตะวันออก
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	5.2	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่เป็นบ่อน้ำทิ้งบนทิศทางไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่บริโภคคือ 6.5-9.2

Sampled By : Pathompong Kornawat , Nontachai Uppathamp

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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No.0009

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305218-2

Client : Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

P/O :

Project Name : Chonburi Bowin

Project Location :

Page 1 of 1

Sample Number	2230668-3
Sampled Date	Apr 26, 2022 3:50 PM
Sample Description	Underground Water
Location	GW3 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศตะวันออก
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.0005	0.1	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.16	160	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	6.0	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	0.009	4.0	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.92	33	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.003	5.0	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	40	Based on APHA (2017), Calculated	Bangkok
Zinc	mg/L	0.003	0.005	0.03	10	Based on APHA (2017), 3125	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornawat , Nontachai Uppathamp

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Savitree N.

Savitree Noisangiam

Assistant Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanok Korn Anek

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING

No.0009

Client : Rojana Industrial Park Public Co., Ltd.
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

P/O :

Project Name : Chonburi Bowin

Project Location :

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305218-3

Page 1 of 1

Sample Number	2230668-3
Sampled Date	Apr 26, 2022 3:50 PM
Sample Description	Underground Water
Location	GW3 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศตะวันออก
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.24	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.0006	No Standard	Based on APHA (2017), 3125	Bangkok
Iron	mg/L	0.003	0.005	0.34	No Standard	Based on APHA (2017), 3125	Bangkok
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	79.0	No Standard	APHA (2017), 9221 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	13	No Standard	Based on APHA (2017), 4500-Cl(B)	Rayong
Color *	Color unit	-	5	<5	No Standard	APHA (2017), 2120 B	Rayong
Fluoride *	mg/L	-	0.2	<0.2	No Standard	APHA (2017), 4500-F(C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	<0.05	No Standard	Based on APHA (2017), 4500-NO3(E)	Rayong
Permanent Hardness as CaCO ₃ *	mg/L	-	1	28	No Standard	Based on APHA (2017), 2320 B	Bangkok
Sulfate *	mg/L	0.6	2	41.4	No Standard	Based on APHA (2017), 4500-SO4(E)	Rayong
Total Alkalinity as CaCO ₃ *	mg/L	-	1	2	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	106	No Standard	APHA (2017), 2540 C	Rayong
Total Hardness as CaCO ₃ *	mg/L	-	1	30	No Standard	APHA (2017), 2340 C	Bangkok
Turbidity *	NTU	-	0.1	2.0	No Standard	Based on APHA (2017), 2130 B	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornasawat, Nontachai Uppathamp

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

P/O :

Project Name : Chonburi Bowin

Project Location :

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305219-1

Page 1 of 1

Sample Number	2230668-4
Sampled Date	Apr 26, 2022 10:50 AM
Sample Description	Underground Water
Location	GW4 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศตะวันตก
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	6.7	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช่เป็นบ่ออ้างอิงบนทิศทางแหล่งของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่ใชบริโภคคือ 6.5-9.2

Sampled By : Pathompong Kornawat , Nontachai Uppathamp

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305219-2

Client : Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

P/O :

Project Name : Chonburi Bowin

Project Location :

Page 1 of 1

Sample Number	2230668-4
Sampled Date	Apr 26, 2022 10:50 AM
Sample Description	Underground Water
Location	GW4 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศตะวันตก
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.01	0.1	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.28	160	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	6.0	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	0.005	4.0	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	2.07	33	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	5.0	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	40	Based on APHA (2017), Calculated	Bangkok
Zinc	mg/L	0.003	0.005	0.007	10	Based on APHA (2017), 3125	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornasawat , Nontachai Uppathamp

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Sawitree N.

Sawitree Noisangiam

Assistant Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanok Korn Anek

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING

No.0009

Client : Rojana Industrial Park Public Co., Ltd.
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

P/O :

Project Name : Chonburi Bowin

Project Location :

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305219-3

Page 1 of 1

Sample Number	2230668-4
Sampled Date	Apr 26, 2022 10:50 AM
Sample Description	Underground Water
Location	GW4 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศตะวันตก
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.80	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.003	No Standard	Based on APHA (2017), 3125	Bangkok
Iron	mg/L	0.003	0.005	3.73	No Standard	Based on APHA (2017), 3125	Bangkok
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	240.0	No Standard	APHA (2017), 9221 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	9	No Standard	Based on APHA (2017), 4500-Cl(B)	Rayong
Color *	Color unit	-	5	5	No Standard	APHA (2017), 2120 B	Rayong
Fluoride *	mg/L	-	0.2	0.3	No Standard	APHA (2017), 4500-F(C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	Not Detected	No Standard	Based on APHA (2017), 4500-NO3(E)	Rayong
Permanent Hardness as CaCO ₃ *	mg/L	-	1	26	No Standard	Based on APHA (2017), 2320 B	Bangkok
Sulfate *	mg/L	0.6	2	9.0	No Standard	Based on APHA (2017), 4500-SO4(E)	Rayong
Total Alkalinity as CaCO ₃ *	mg/L	-	1	241	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	326	No Standard	APHA (2017), 2540 C	Rayong
Total Hardness as CaCO ₃ *	mg/L	-	1	267	No Standard	APHA (2017), 2340 C	Bangkok
Turbidity *	NTU	-	0.1	92.7	No Standard	Based on APHA (2017), 2130 B	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornasawat, Nontachai Uppathamp

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

P/O :

Project Name : Chonburi Bowin

Project Location :

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305220-1

Page 1 of 1

Sample Number	2230668-5
Sampled Date	Apr 26, 2022 2:20 PM
Sample Description	Underground Water
Location	ม.4 บ้านพันเสด็จใน
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	7.0	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่เป็นบ่ออ้างอิงบนทิศทางแหล่งของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่เขตรักษา คือ 6.5-9.2

Sampled By : Pathompong Kornawat , Nontachai Uppathamp

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

N. Banchongkit

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Analysis / Test Report

TESTING

No.0009

Client : Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

P/O :

Project Name : Chonburi Bowin

Project Location :

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305220-2

Page 1 of 1

Sample Number	2230668-5
Sampled Date	Apr 26, 2022 2:20 PM
Sample Description	Underground Water
Location	ม.4 บ้านพันเสด็จใน
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.005	0.1	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.26	160	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	6.0	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	0.003	4.0	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.37	33	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.007	5.0	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	0.001	12	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	40	Based on APHA (2017), Calculated	Bangkok
Zinc	mg/L	0.003	0.005	0.05	10	Based on APHA (2017), 3125	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornasawat , Nontachai Uppathamp

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Sawitree N.

Sawitree Noisangiam

Assistant Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanok Korn Anek

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305220-3

Client : Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

P/O :

Project Name : Chonburi Bowin

Project Location :

Page 1 of 1

Sample Number	2230668-5
Sampled Date	Apr 26, 2022 2:20 PM
Sample Description	Underground Water
Location	ม.4 บ้านพันเสด็จใน
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.007	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.003	No Standard	Based on APHA (2017), 3125	Bangkok
Iron	mg/L	0.003	0.005	0.03	No Standard	Based on APHA (2017), 3125	Bangkok
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	26	No Standard	Based on APHA (2017), 4500-Cl(B)	Rayong
Color *	Color unit	-	5	<5	No Standard	APHA (2017), 2120 B	Rayong
Fluoride *	mg/L	-	0.2	0.3	No Standard	APHA (2017), 4500-F(C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.40	No Standard	Based on APHA (2017), 4500-NO3(E)	Rayong
Permanent Hardness as CaCO ₃ *	mg/L	-	1	22	No Standard	Based on APHA (2017), 2320 B	Bangkok
Sulfate *	mg/L	0.6	2	31.4	No Standard	Based on APHA (2017), 4500-SO4(E)	Rayong
Total Alkalinity as CaCO ₃ *	mg/L	-	1	54	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	242	No Standard	APHA (2017), 2540 C	Rayong
Total Hardness as CaCO ₃ *	mg/L	-	1	76	No Standard	APHA (2017), 2340 C	Bangkok
Turbidity *	NTU	-	0.1	0.4	No Standard	Based on APHA (2017), 2130 B	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornasawat, Nontachai Uppathamp

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

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Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

P/O :

Project Name : Chonburi Bowin

Project Location :

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305221-1

Page 1 of 1

Sample Number	2230668-6
Sampled Date	Apr 26, 2022 1:40 PM
Sample Description	Underground Water
Location	ม.10 บ้านเจ้าพระยา
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	7.2	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่เป็นบ่ออ้างอิงบนทิศทางแหล่งของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่เขตรักษา คือ 6.5-9.2

Sampled By : Pathompong Kornawat , Nontachai Uppathamp

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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Analysis / Test Report

TESTING

No.0009

Client : Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

P/O :

Project Name : Chonburi Bowin

Project Location :

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305221-2

Page 1 of 1

Sample Number	2230668-6
Sampled Date	Apr 26, 2022 1:40 PM
Sample Description	Underground Water
Location	น.10 บ้านเจ้าพระยา
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.004	0.1	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.38	160	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	6.0	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	4.0	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.08	33	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.003	5.0	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	0.0008	12	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	40	Based on APHA (2017), Calculated	Bangkok
Zinc	mg/L	0.003	0.005	0.04	10	Based on APHA (2017), 3125	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornasawat , Nontachai Uppathamp

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Technical Management

Savitree N.

Savitree Noisangiam

Assistant Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanok Korn Anek

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING

No.0009

Client : Rojana Industrial Park Public Co., Ltd.
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

P/O :

Project Name : Chonburi Bowin

Project Location :

Lot ID: 2230668

Date Received : Apr 26, 2022

Date Reported : May 07, 2022

Report Number : 2305221-3

Page 1 of 1

Sample Number	2230668-6
Sampled Date	Apr 26, 2022 1:40 PM
Sample Description	Underground Water
Location	น.10 บ้านเจ้าพระยา
Date Analysis Commenced	Apr 27, 2022
Condition of Sample	Contained in six plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/L	0.003	0.005	0.009	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	No Standard	Based on APHA (2017), 3125	Bangkok
Iron	mg/L	0.003	0.005	0.008	No Standard	Based on APHA (2017), 3125	Bangkok
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	17.0	No Standard	APHA (2017), 9221 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	28	No Standard	Based on APHA (2017), 4500-Cl(B)	Rayong
Color *	Color unit	-	5	<5	No Standard	APHA (2017), 2120 B	Rayong
Fluoride *	mg/L	-	0.2	0.2	No Standard	APHA (2017), 4500-F(C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.26	No Standard	Based on APHA (2017), 4500-NO3(E)	Rayong
Permanent Hardness as CaCO ₃ *	mg/L	-	1	54	No Standard	Based on APHA (2017), 2320 B	Bangkok
Sulfate *	mg/L	0.6	2	19.2	No Standard	Based on APHA (2017), 4500-SO4(E)	Rayong
Total Alkalinity as CaCO ₃ *	mg/L	-	1	98	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	376	No Standard	APHA (2017), 2540 C	Rayong
Total Hardness as CaCO ₃ *	mg/L	-	1	152	No Standard	APHA (2017), 2340 C	Bangkok
Turbidity *	NTU	-	0.1	0.6	No Standard	Based on APHA (2017), 2130 B	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pathompong Kornasawat, Nontachai Uppathamp

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Approved by

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