



Hong Kong Accreditation Service
香港認可處

Certificate of Accreditation
認可證書

This is to certify that
特此證明

ALS TECHNICHEM (HK) PTY LIMITED

11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, New Territories, Hong Kong
香港新界葵涌永業街1-3號忠信針織中心11樓

*is accredited by the Hong Kong Accreditation Service (HKAS) to ISO/IEC 17025:2017
for performing specific laboratory activities as listed in the scope of accreditation within the test category of*
獲香港認可處根據ISO/IEC 17025:2017認可
進行載於認可範圍內下述測試類別中的指定實驗所活動

Environmental Testing
環境測試

*This accreditation to ISO/IEC 17025:2017 demonstrates technical competence for a defined scope and
the implementation of a management system relevant to laboratory operation
(see joint IAF-ILAC-ISO Communiqué).*
此項 ISO/IEC 17025:2017 的認可資格證明此實驗所具備指定範疇內所須的技術能力並
實施一套與實驗所運作相關的管理體系
(見國際認可論壇、國際實驗所認可合作組織及國際標準化組織的聯合公報)。

The common seal of HKAS is affixed hereto by the authority of the HKAS Executive
現經香港認可處執行機關授權在此蓋上香港認可處的印章

SHUM Wai-leung, Executive Administrator
執行幹事 沈偉良
Issue Date : 28 February 2020
簽發日期：二零二零年二月二十八日

Registration Number : **HOKLAS 066**
註冊號碼：



Date of First Registration : 15 September 1995
首次註冊日期：一九九五年九月十五日



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2424965
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: thomas.wong@eno.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: —	Telephone	: +852 2610 1044		
Facsimile	: —	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 24-Jun-2024
Order number	: —	Quote number	: HKE/1756/2024	Issue Date	: 28-Jun-2024
C-O-C number	: —			No. of samples received	: 4
Site	: —			No. of samples analysed	: 4

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This document has been signed by those names that appear on this report and are the authorised signatories.

<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
		
Fung Lim Chee, Richard	Managing Director	Inorganics



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 24-Jun-2024 to 28-Jun-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2424965

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.



Analytical Results

Sub-Matrix: WATER

Sample ID

Sampling date / time

Compound	CAS Number	LOR	Unit
----------	------------	-----	------

EA/ED: Physical and Aggregate Properties

EA025: Suspended Solids (SS)	----	2	mg/L	5	4	21	23	----
------------------------------	------	---	------	---	---	----	----	------

----- END OF REPORT -----



Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5881858)								
HK2424965-001	C1	EA025: Suspended Solids (SS)	----	2	mg/L	5	5	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5881858)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	102	----	85.7	113	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2424999
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: thomas.wong@eno.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: —	Telephone	: +852 2610 1044		
Facsimile	: —	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 26-Jun-2024
Order number	: —	Quote number	: HKE/1756/2024_V2	Issue Date	: 06-Jul-2024
C-O-C number	: —			No. of samples received	: 4
Site	: —			No. of samples analysed	: 4

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<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
	Managing Director	Inorganics
Fung Lim Chee, Richard		



General Comments

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Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2424999

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.



Analytical Results

Sub-Matrix: WATER				Sample ID	C1	C1 Duplicate	M1	M1 Duplicate	----
				Sampling date / time	26-Jun-2024	26-Jun-2024	26-Jun-2024	26-Jun-2024	----
Compound	CAS Number	LOR	Unit		HK2424999-001	HK2424999-002	HK2424999-003	HK2424999-004	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	2	12	11	----

----- END OF REPORT -----



Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5897484)								
HK2424999-001	C1	EA025: Suspended Solids (SS)	----	2	mg/L	2	2	0.0
HK2425268-004	Anonymous	EA025: Suspended Solids (SS)	----	2	mg/L	13	13	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5897484)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	94.0	----	85.7	113	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2425267
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: thomas.wong@eno.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: ---	Telephone	: +852 2610 1044		
Facsimile	: ---	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 28-Jun-2024
Order number	: ---	Quote number	: HKE/1756/2024_V2	Issue Date	: 06-Jul-2024
C-O-C number	: ---			No. of samples received	: 4
Site	: ---			No. of samples analysed	: 4

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<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
	Managing Director	Inorganics
Fung Lim Chee, Richard		



General Comments

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Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2425267

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.



Analytical Results

Sub-Matrix: WATER				Sample ID	C1	C1 Duplicate	M1	M1 Duplicate	----
				Sampling date / time	28-Jun-2024	28-Jun-2024	28-Jun-2024	28-Jun-2024	----
Compound	CAS Number	LOR	Unit		HK2425267-001	HK2425267-002	HK2425267-003	HK2425267-004	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	25	26	----

----- END OF REPORT -----



Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5897484)								
HK2424999-001	Anonymous	EA025: Suspended Solids (SS)	----	2	mg/L	2	2	0.0
HK2425268-004	Anonymous	EA025: Suspended Solids (SS)	----	2	mg/L	13	13	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5897484)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	94.0	----	85.7	113	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2425268
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: thomas.wong@eno.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: —	Telephone	: +852 2610 1044		
Facsimile	: —	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 02-Jul-2024
Order number	: —	Quote number	: HKE/1756/2024_V2	Issue Date	: 06-Jul-2024
C-O-C number	: —			No. of samples received	: 4
Site	: —			No. of samples analysed	: 4

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<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
		
Fung Lim Chee, Richard	Managing Director	Inorganics



General Comments

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Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2425268

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.



Analytical Results

Sub-Matrix: WATER				Sample ID	C1	C1 Duplicate	M1	M1 Duplicate	----
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	----
Compound	CAS Number	LOR	Unit		HK2425268-001	HK2425268-002	HK2425268-003	HK2425268-004	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	2	14	13	----

----- END OF REPORT -----



Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5897484)								
HK2424999-001	Anonymous	EA025: Suspended Solids (SS)	----	2	mg/L	2	2	0.0
HK2425268-004	M1 Duplicate	EA025: Suspended Solids (SS)	----	2	mg/L	13	13	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5897484)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	94.0	----	85.7	113	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4
Contact	: BACKY KWOK	Contact	: Richard Fung	Work Order	: HK2426504
Address	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Backy_0807@yahoo.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: ---	Telephone	: +852 2610 1044		
Facsimile	: ---	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 04-Jul-2024
Order number	: ---	Quote number	: HKE/1756/2024_V2	Issue Date	: 13-Jul-2024
C-O-C number	: ---			No. of samples received	: 4
Site	: ---			No. of samples analysed	: 4

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<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
		
Fung Lim Chee, Richard	Managing Director	Inorganics



General Comments

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Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2426504

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.



Analytical Results

Sub-Matrix: WATER				Sample ID	C1	C1 Duplicate	M1	M1 Duplicate	---
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	----
Compound	CAS Number	LOR	Unit		HK2426504-001	HK2426504-002	HK2426504-003	HK2426504-004	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)		----	2	mg/L	3	3	10	9	---

----- END OF REPORT -----



Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5912918)								
HK2426504-001	C1	EA025: Suspended Solids (SS)	----	2	mg/L	3	4	0.0
HK2427106-003	Anonymous	EA025: Suspended Solids (SS)	----	2	mg/L	7	8	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5912918)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	92.5	----	85.7	113	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4
Contact	: BACKY KWOK	Contact	: Richard Fung	Work Order	: HK2427057
Address	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Backy_0807@yahoo.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: ---	Telephone	: +852 2610 1044		
Facsimile	: ---	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 06-Jul-2024
Order number	: ---	Quote number	: HKE/1756/2024_V2	Issue Date	: 12-Jul-2024
C-O-C number	: ---			No. of samples received	: 4
Site	: ---			No. of samples analysed	: 4

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<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
		
Fung Lim Chee, Richard	Managing Director	Inorganics



General Comments

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Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2427057

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.



Analytical Results

Sub-Matrix: WATER

Sample ID

Sampling date / time

Compound	CAS Number	LOR	Unit
----------	------------	-----	------

EA/ED: Physical and Aggregate Properties

EA025: Suspended Solids (SS)	----	2	mg/L
------------------------------	------	---	------

C1	C1 Duplicate	M1	M1 Duplicate	----
06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	----
HK2427057-001	HK2427057-002	HK2427057-003	HK2427057-004	-----
EA/ED: Physical and Aggregate Properties				
<2	<2	3	3	----

----- END OF REPORT -----



Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5912918)								
HK2426504-001	Anonymous	EA025: Suspended Solids (SS)	----	2	mg/L	3	4	0.0
HK2427106-003	Anonymous	EA025: Suspended Solids (SS)	----	2	mg/L	7	8	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5912918)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	92.5	----	85.7	113	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4
Contact	: BACKY KWOK	Contact	: Richard Fung	Work Order	: HK2427106
Address	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Backy_0807@yahoo.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: ---	Telephone	: +852 2610 1044		
Facsimile	: ---	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 08-Jul-2024
Order number	: ---	Quote number	: HKE/1756/2024_V2	Issue Date	: 12-Jul-2024
C-O-C number	: ---			No. of samples received	: 4
Site	: ---			No. of samples analysed	: 4

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<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
		
Fung Lim Chee, Richard	Managing Director	Inorganics



General Comments

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Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2427106

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.



Analytical Results

Sub-Matrix: WATER				Sample ID	C1	C1 Duplicate	M1	M1 Duplicate	----
				Sampling date / time	08-Jul-2024	08-Jul-2024	08-Jul-2024	08-Jul-2024	----
Compound	CAS Number	LOR	Unit		HK2427106-001	HK2427106-002	HK2427106-003	HK2427106-004	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	7	6	----

----- END OF REPORT -----



Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5912918)								
HK2426504-001	Anonymous	EA025: Suspended Solids (SS)	----	2	mg/L	3	4	0.0
HK2427106-003	M1	EA025: Suspended Solids (SS)	----	2	mg/L	7	8	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5912918)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	92.5	----	85.7	113	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2427603
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: thomas.wong@eno.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: —	Telephone	: +852 2610 1044		
Facsimile	: —	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 10-Jul-2024
Order number	: —	Quote number	: HKE/1756/2024_V2	Issue Date	: 18-Jul-2024
C-O-C number	: —			No. of samples received	: 4
Site	: —			No. of samples analysed	: 4

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<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
		
Fung Lim Chee, Richard	Managing Director	Inorganics



General Comments

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Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2427603

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.



Analytical Results

Sub-Matrix: WATER

Sample ID

Sampling date / time

Compound	CAS Number	LOR	Unit
----------	------------	-----	------

EA/ED: Physical and Aggregate Properties

EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	6	6	----
------------------------------	------	---	------	----	----	---	---	------

----- END OF REPORT -----



Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5925986)								
HK2427603-001	C1	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0
HK2428357-003	Anonymous	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5925986)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	97.5	----	85.7	113	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2428046
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: thomas.wong@eno.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: —	Telephone	: +852 2610 1044		
Facsimile	: —	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 12-Jul-2024
Order number	: —	Quote number	: HKE/1756/2024_V2	Issue Date	: 17-Jul-2024
C-O-C number	: —			No. of samples received	: 4
Site	: —			No. of samples analysed	: 4

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<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
		
Fung Lim Chee, Richard	Managing Director	Inorganics



General Comments

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Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2428046

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.



Analytical Results

Sub-Matrix: WATER

Sample ID

Sampling date / time

Compound	CAS Number	LOR	Unit
----------	------------	-----	------

EA/ED: Physical and Aggregate Properties

EA025: Suspended Solids (SS)	----	2	mg/L	3	2	2	2	----
------------------------------	------	---	------	---	---	---	---	------

----- END OF REPORT -----



Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5925986)								
HK2427603-001	Anonymous	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0
HK2428357-003	Anonymous	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5925986)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	97.5	----	85.7	113	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2428357
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: thomas.wong@eno.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: —	Telephone	: +852 2610 1044		
Facsimile	: —	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 15-Jul-2024
Order number	: —	Quote number	: HKE/1756/2024_V2	Issue Date	: 17-Jul-2024
C-O-C number	: —			No. of samples received	: 4
Site	: —			No. of samples analysed	: 4

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<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
		
Fung Lim Chee, Richard	Managing Director	Inorganics



General Comments

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Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2428357

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.



Analytical Results

Sub-Matrix: WATER				Sample ID	C1	C1 Duplicate	M1	M1 Duplicate	----
				Sampling date / time	15-Jul-2024	15-Jul-2024	15-Jul-2024	15-Jul-2024	----
Compound	CAS Number	LOR	Unit		HK2428357-001	HK2428357-002	HK2428357-003	HK2428357-004	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	3	3	----

----- END OF REPORT -----



Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5925986)								
HK2427603-001	Anonymous	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0
HK2428357-003	M1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5925986)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	97.5	----	85.7	113	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2428751
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: thomas.wong@eno.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: —	Telephone	: +852 2610 1044		
Facsimile	: —	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 17-Jul-2024
Order number	: —	Quote number	: HKE/1756/2024_V2	Issue Date	: 25-Jul-2024
C-O-C number	: —			No. of samples received	: 4
Site	: —			No. of samples analysed	: 4

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<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
		
Fung Lim Chee, Richard	Managing Director	Inorganics



General Comments

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Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2428751

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.



Analytical Results

Sub-Matrix: WATER

Sample ID

Sampling date / time

Compound	CAS Number	LOR	Unit
----------	------------	-----	------

EA/ED: Physical and Aggregate Properties

EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	5	5	----
------------------------------	------	---	------	----	----	---	---	------

----- END OF REPORT -----



Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5937207)								
HK2428751-001	C1	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5937207)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	100	----	85.7	113	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2429121
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: thomas.wong@eno.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: —	Telephone	: +852 2610 1044		
Facsimile	: —	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 19-Jul-2024
Order number	: —	Quote number	: HKE/1756/2024_V2	Issue Date	: 29-Jul-2024
C-O-C number	: —			No. of samples received	: 4
Site	: —			No. of samples analysed	: 4

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<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
		
Fung Lim Chee, Richard	Managing Director	Inorganics



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 19-Jul-2024 to 24-Jul-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2429121

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.



Analytical Results

Sub-Matrix: WATER

Sample ID

Sampling date / time

Compound	CAS Number	LOR	Unit
----------	------------	-----	------

EA/ED: Physical and Aggregate Properties

EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	10	9	----
------------------------------	------	---	------	----	----	----	---	------

----- END OF REPORT -----



Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5937207)								
HK2428751-001	Anonymous	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5937207)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	100	----	85.7	113	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 39
Contact	: BACKY KWOK	Contact	: Richard Fung	Work Order	: HK2424968
Address	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong	Amendment	: 1
E-mail	: Backy_0807@yahoo.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: ---	Telephone	: +852 2610 1044		
Facsimile	: ---	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 25-Jun-2024
Order number	: ---	Quote number	: HKE/1756/2024_V2	Issue Date	: 08-Aug-2024
C-O-C number	: ---			No. of samples received	: 134
Site	: ---			No. of samples analysed	: 134

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Signatories	Position	Authorised results for
		
Fung Lim Chee, Richard	Managing Director	Inorganics
		
Ng Sin Kou, May	Laboratory Manager	Microbiology_ENV



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 25-Jun-2024 to 07-Aug-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2424968

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.

Microbiological sample(s) was/ were collected in 125mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 19:15.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

This is an amendment of the Certificate of Analysis requested by client.

The result(s) of the analyte Total Kjeldahl Nitrogen of test code EK061P for sample

HK2424968-051,052,058,063,064,069,070,075,076,081,082,087,146,149,150,153,166,169,177,178,183&190 has been amended.

EK061P - Total Kjeldahl Nitrogen is the difference of Total Nitrogen and Total Oxidizable Nitrogen.

EK063A - Total Inorganic Nitrogen is the sum of the Total Oxidizable Nitrogen and Ammonical Nitrogen.



Analytical Results

Sub-Matrix: WATER

Sample ID

Sampling date / time

				W5/ME/S/ REPLICATE 1	W5/ME/S/ REPLICATE 2	W5/ME/M/ REPLICATE 1	W5/ME/M/ REPLICATE 2	W5/ME/B/ REPLICATE 1
				25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit	HK2424968-001	HK2424968-002	HK2424968-003	HK2424968-004	HK2424968-005
EA/ED: Physical and Aggregate Properties								
EA025: Suspended Solids (SS)	----	2	mg/L	6	6	6	5	5
ED/EK: Inorganic Nonmetallic Parameters								
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.05	0.05	0.06	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.38	1.44	1.41	1.45	1.47
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.43	1.49	1.47	1.51	1.52
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	0.2	0.1	0.2	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.7	1.6	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.43	1.49	1.47	1.52	1.52
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics								
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2
EM: Microbiological Testing								
EM019: Escherichia coli	----	1	CFU/100mL	74	89	65	57	80



Sub-Matrix: WATER				Sample ID	W5/ME/B/ REPLICATE 2	W1/ME/S/ REPLICATE 1	W1/ME/S/ REPLICATE 2	W1/ME/M/ REPLICATE 1	W1/ME/M/ REPLICATE 2
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-006	HK2424968-007	HK2424968-008	HK2424968-009	HK2424968-010
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	6	5	5	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.05	0.05	0.06	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.41	1.46	1.44	1.36	1.38
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.46	1.51	1.49	1.41	1.43
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.7	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.46	1.51	1.49	1.41	1.43
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		82	36	27	36	52



Sub-Matrix: WATER				Sample ID	W1/ME/B/ REPLICATE 1	W1/ME/B/ REPLICATE 2	W2/ME/S/ REPLICATE 1	W2/ME/S/ REPLICATE 2	W2/ME/M/ REPLICATE 1
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-011	HK2424968-012	HK2424968-013	HK2424968-014	HK2424968-015
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	5	5	5	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.07	0.03	0.04	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.28	1.31	1.48	1.50	1.35
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.35	1.38	1.51	1.53	1.41
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.7	1.7	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.35	1.38	1.51	1.53	1.41
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.05	0.06	0.06	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		81	80	41	38	41



Sub-Matrix: WATER				Sample ID	W2/ME/M/ REPLICATE 2	W2/ME/B/ REPLICATE 1	W2/ME/B/ REPLICATE 2	W4/ME/S/ REPLICATE 1	W4/ME/S/ REPLICATE 2
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-016	HK2424968-017	HK2424968-018	HK2424968-019	HK2424968-020
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	6	5	7	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.04	0.05	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.37	1.44	1.44	1.46	1.39
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.43	1.48	1.49	1.51	1.44
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.4	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.9	1.7	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.43	1.48	1.49	1.51	1.44
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.06	0.06	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		38	65	51	44	42



Sub-Matrix: WATER				Sample ID	W4/ME/M/ REPLICATE 1	W4/ME/M/ REPLICATE 2	W4/ME/B/ REPLICATE 1	W4/ME/B/ REPLICATE 2	W8/ME/S/ REPLICATE 1
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-021	HK2424968-022	HK2424968-023	HK2424968-024	HK2424968-025
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		7	6	8	7	11
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.05	0.04	0.05	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.41	1.40	1.45	1.42	1.61
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.47	1.45	1.50	1.48	1.64
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.3	0.3	0.3	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.8	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.47	1.45	1.50	1.48	1.64
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.06	0.07	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		62	72	62	71	70



Sub-Matrix: WATER				Sample ID	W8/ME/S/ REPLICATE 2	W8/ME/M/ REPLICATE 1	W8/ME/M/ REPLICATE 2	W8/ME/B/ REPLICATE 1	W8/ME/B/ REPLICATE 2
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-026	HK2424968-027	HK2424968-028	HK2424968-029	HK2424968-030
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		11	11	12	16	15
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.02	0.02	0.03	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.61	1.63	1.56	1.53	1.61
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.63	1.65	1.60	1.56	1.64
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.3	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.9	1.8	1.8	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.63	1.65	1.60	1.56	1.64
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.07	0.07	0.06	0.07
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		89	64	63	77	83



Sub-Matrix: WATER				Sample ID	W7/ME/S/ REPLICATE 1	W7/ME/S/ REPLICATE 2	W7/ME/M/ REPLICATE 1	W7/ME/M/ REPLICATE 2	W7/ME/B/ REPLICATE 1
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-031	HK2424968-032	HK2424968-033	HK2424968-034	HK2424968-035
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		13	13	11	12	10
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.03	0.04	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.64	1.62	1.55	1.56	1.56
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.67	1.65	1.59	1.60	1.60
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.67	1.65	1.59	1.60	1.60
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.07	0.06	0.06	0.06	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		56	68	62	63	49



Sub-Matrix: WATER				Sample ID	W7/ME/B/ REPLICATE 2	W6/ME/S/ REPLICATE 1	W6/ME/S/ REPLICATE 2	W6/ME/M/ REPLICATE 1	W6/ME/M/ REPLICATE 2
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-036	HK2424968-037	HK2424968-038	HK2424968-039	HK2424968-040
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		10	8	8	7	8
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.05	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.55	1.51	1.52	1.46	1.36
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.59	1.55	1.56	1.51	1.42
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.59	1.55	1.56	1.51	1.42
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.06	0.06	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		58	95	83	72	61



Sub-Matrix: WATER				Sample ID	W6/ME/B/ REPLICATE 1	W6/ME/B/ REPLICATE 2	W3/ME/S/ REPLICATE 1	W3/ME/S/ REPLICATE 2	W3/ME/M/ REPLICATE 1
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-041	HK2424968-042	HK2424968-043	HK2424968-044	HK2424968-045
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	7	5	6	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.05	0.06	0.06	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.36	1.40	1.35	1.33	1.38
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.42	1.44	1.41	1.39	1.43
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.3	0.2	0.2	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.8	1.6	1.6	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.42	1.44	1.41	1.39	1.43
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		110	95	72	54	83



Sub-Matrix: WATER				Sample ID	W3/ME/M/ REPLICATE 2	W3/ME/B/ REPLICATE 1	W3/ME/B/ REPLICATE 2	DB1/ME/M/ REPLICATE 1	DB1/ME/M/ REPLICATE 2
Sampling date / time					25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-046	HK2424968-047	HK2424968-048	HK2424968-051	HK2424968-052
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	6	6	57	56
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	0.15	0.15
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.03	0.06	0.20	0.20
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.39	1.54	1.35	1.25	1.22
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.44	1.57	1.41	1.44	1.42
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.9	1.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.8	1.6	2.3	2.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.44	1.57	1.41	1.59	1.57
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.06	0.05	0.36	0.38
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		97	67	75	83	79



Sub-Matrix: WATER				Sample ID	E24/ME/M/ REPLICATE 1	E24/ME/M/ REPLICATE 2	E27/ME/M/ REPLICATE 1	E27/ME/M/ REPLICATE 2	E25/ME/M/ REPLICATE 1
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-057	HK2424968-058	HK2424968-063	HK2424968-064	HK2424968-069
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		54	52	51	49	44
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.14	0.14	0.14	0.14	0.14
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.20	0.20	0.19	0.20	0.22
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.27	1.27	1.28	1.25	1.22
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.47	1.46	1.48	1.45	1.45
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.2	0.8	0.8	0.8	0.8
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.7	2.3	2.3	2.3	2.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.62	1.61	1.62	1.58	1.59
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.36	0.36	0.36	0.35	0.37
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2800	2900	4000	3000	7200



Sub-Matrix: WATER				Sample ID	E25/ME/M/ REPLICATE 2	E26/ME/M/ REPLICATE 1	E26/ME/M/ REPLICATE 2	KT1/ME/M/ REPLICATE 1	KT1/ME/M/ REPLICATE 2
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-070	HK2424968-075	HK2424968-076	HK2424968-081	HK2424968-082
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		47	47	48	50	49
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.14	0.14	0.14	0.14	0.14
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.22	0.22	0.22	0.19	0.19
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.23	1.19	1.22	1.27	1.26
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.45	1.41	1.45	1.47	1.45
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.8	0.8	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.3	2.2	1.8	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.59	1.55	1.59	1.61	1.58
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.36	0.36	0.36	0.37	0.37
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		5700	5000	7200	8500	9400



Sub-Matrix: WATER				Sample ID	E28/ME/M/ REPLICATE 1	E28/ME/M/ REPLICATE 2	SP1/ME/M/ REPLICATE 1	SP1/ME/M/ REPLICATE 2	W5/MF/S/ REPLICATE 1
Sampling date / time					25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-087	HK2424968-088	HK2424968-093	HK2424968-094	HK2424968-097
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		49	50	44	45	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.20	0.14	0.13	0.14	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.19	0.19	0.19	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.24	1.29	1.25	1.20	1.18
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.43	1.49	1.44	1.38	1.24
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.8	0.4	0.4	0.5	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.2	1.9	1.9	1.9	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.64	1.63	1.58	1.52	1.24
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.35	0.35	0.36	0.36	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1800	2100	7500	8700	83



Sub-Matrix: WATER				Sample ID	W5/MF/S/ REPLICATE 2	W5/MF/M/ REPLICATE 1	W5/MF/M/ REPLICATE 2	W5/MF/B/ REPLICATE 1	W5/MF/B/ REPLICATE 2
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-098	HK2424968-099	HK2424968-100	HK2424968-101	HK2424968-102
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	5	4	5	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.06	0.06	0.07	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.19	1.17	1.23	1.20	1.24
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.26	1.23	1.29	1.27	1.32
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.3	0.3	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.26	1.23	1.29	1.27	1.32
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		99	97	94	98	96



Sub-Matrix: WATER				Sample ID	W1/MF/S/ REPLICATE 1	W1/MF/S/ REPLICATE 2	W1/MF/M/ REPLICATE 1	W1/MF/M/ REPLICATE 2	W1/MF/B/ REPLICATE 1
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-103	HK2424968-104	HK2424968-105	HK2424968-106	HK2424968-107
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	4	5	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.07	0.07	0.07	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.28	1.22	1.19	1.20	1.23
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.35	1.29	1.26	1.27	1.30
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.3	0.3	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.35	1.29	1.26	1.27	1.30
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		130	97	140	120	130



Sub-Matrix: WATER				Sample ID	W1/MF/B/ REPLICATE 2	W2/MF/S/ REPLICATE 1	W2/MF/S/ REPLICATE 2	W2/MF/M/ REPLICATE 1	W2/MF/M/ REPLICATE 2
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-108	HK2424968-109	HK2424968-110	HK2424968-111	HK2424968-112
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	4	3	4	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.09	0.09	0.08	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.20	1.20	1.26	1.25	1.23
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.26	1.29	1.36	1.33	1.30
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.26	1.29	1.36	1.33	1.30
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		140	120	97	900	1100



Sub-Matrix: WATER				Sample ID	W2/MF/B/ REPLICATE 1	W2/MF/B/ REPLICATE 2	W4/MF/S/ REPLICATE 1	W4/MF/S/ REPLICATE 2	W4/MF/M/ REPLICATE 1
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-113	HK2424968-114	HK2424968-115	HK2424968-116	HK2424968-117
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	4	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.07	0.06	0.07	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.22	1.23	1.25	1.19	1.21
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.28	1.30	1.32	1.26	1.27
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.2	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.6	1.6	1.5	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.28	1.30	1.32	1.26	1.27
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		120	180	150	210	72



Sub-Matrix: WATER				Sample ID	W4/MF/M/ REPLICATE 2	W4/MF/B/ REPLICATE 1	W4/MF/B/ REPLICATE 2	W8/MF/S/ REPLICATE 1	W8/MF/S/ REPLICATE 2
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-118	HK2424968-119	HK2424968-120	HK2424968-121	HK2424968-122
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	5	5	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.07	0.08	0.08	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.26	1.20	1.22	1.20	1.26
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.32	1.27	1.30	1.28	1.34
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.3	0.3	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.32	1.27	1.30	1.28	1.34
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		90	150	140	5100	4300



Sub-Matrix: WATER				Sample ID	W8/MF/M/ REPLICATE 1	W8/MF/M/ REPLICATE 2	W8/MF/B/ REPLICATE 1	W8/MF/B/ REPLICATE 2	W7/MF/S/ REPLICATE 1
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-123	HK2424968-124	HK2424968-125	HK2424968-126	HK2424968-127
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	4	5	5	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.08	0.08	0.08	0.08	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.22	1.28	1.10	1.19	1.25
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.30	1.36	1.18	1.26	1.33
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.2	0.4	0.3	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.30	1.36	1.18	1.26	1.33
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		320	270	1100	1000	130



Sub-Matrix: WATER				Sample ID	W7/MF/S/ REPLICATE 2	W7/MF/M/ REPLICATE 1	W7/MF/M/ REPLICATE 2	W7/MF/B/ REPLICATE 1	W7/MF/B/ REPLICATE 2
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-128	HK2424968-129	HK2424968-130	HK2424968-131	HK2424968-132
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	6	5	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.08	0.08	0.08	0.09
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.22	1.23	1.24	1.22	1.20
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.30	1.31	1.31	1.30	1.28
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.2	0.2	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.5	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.30	1.31	1.31	1.30	1.28
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.06	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		110	89	78	160	230



Sub-Matrix: WATER				Sample ID	W6/MF/S/ REPLICATE 1	W6/MF/S/ REPLICATE 2	W6/MF/M/ REPLICATE 1	W6/MF/M/ REPLICATE 2	W6/MF/B/ REPLICATE 1
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-133	HK2424968-134	HK2424968-135	HK2424968-136	HK2424968-137
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	7	6	6	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.08	0.08	0.08	0.07	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.20	1.23	1.20	1.21	1.24
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.28	1.31	1.28	1.29	1.31
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.3	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.28	1.31	1.28	1.29	1.31
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.06	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		47	43	70	57	150



Sub-Matrix: WATER				Sample ID	W6/MF/B/ REPLICATE 2	W3/MF/S/ REPLICATE 1	W3/MF/S/ REPLICATE 2	W3/MF/M/ REPLICATE 1	W3/MF/M/ REPLICATE 2
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-138	HK2424968-139	HK2424968-140	HK2424968-141	HK2424968-142
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	6	5	6	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.08	0.08	0.08	0.08	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.23	1.18	1.22	1.20	1.20
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.31	1.25	1.30	1.28	1.28
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.2	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.31	1.25	1.30	1.28	1.28
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		240	54	47	52	35



Sub-Matrix: WATER				Sample ID	W3/MF/B/ REPLICATE 1	W3/MF/B/ REPLICATE 2	DB1/MF/S/ REPLICATE 1	DB1/MF/S/ REPLICATE 2	DB1/MF/B/ REPLICATE 1
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-143	HK2424968-144	HK2424968-145	HK2424968-146	HK2424968-149
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	6	51	49	47
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.08	0.09	0.19	0.18	0.18
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.20	1.18	1.10	1.16	1.15
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.28	1.27	1.29	1.33	1.33
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.5	0.7	0.8
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.8	2.1	2.1
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.28	1.27	1.29	1.33	1.33
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.36	0.36	0.36
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	3	3	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		44	50	7000	9000	1300



Sub-Matrix: WATER				Sample ID	DB1/MF/B/ REPLICATE 2	E24/MF/M/ REPLICATE 1	E24/MF/M/ REPLICATE 2	E27/MF/S/ REPLICATE 1	E27/MF/S/ REPLICATE 2
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-150	HK2424968-153	HK2424968-154	HK2424968-157	HK2424968-158
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		47	49	51	56	56
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.19	0.19	0.18	0.18
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.11	1.18	1.09	1.09	1.09
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.30	1.37	1.28	1.27	1.26
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.8	0.6	0.7	0.6	0.6
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	2.0	2.0	1.8	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.30	1.37	1.28	1.27	1.26
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.36	0.36	0.34	0.31	0.31
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	3	4	2	2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2000	1200	1500	51	40



Sub-Matrix: WATER				Sample ID	E27/MF/B/ REPLICATE 1	E27/MF/B/ REPLICATE 2	E25/MF/M/ REPLICATE 1	E25/MF/M/ REPLICATE 2	E26/MF/S/ REPLICATE 1
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-161	HK2424968-162	HK2424968-165	HK2424968-166	HK2424968-169
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		26	27	46	47	104
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	0.08
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.18	0.18	0.18	0.23
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.07	1.12	1.18	1.13	1.30
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.26	1.30	1.36	1.31	1.53
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.6	0.5	0.5	0.7	0.8
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.8	1.9	2.0	2.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.26	1.30	1.36	1.31	1.61
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.31	0.30	0.35	0.34	0.44
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	3	3	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		6200	6500	7700	7000	15000



Sub-Matrix: WATER				Sample ID	E26/MF/S/ REPLICATE 2	E26/MF/B/ REPLICATE 1	E26/MF/B/ REPLICATE 2	KT1/MF/M/ REPLICATE 1	KT1/MF/M/ REPLICATE 2
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024
Compound	CAS Number	LOR	Unit		HK2424968-170	HK2424968-173	HK2424968-174	HK2424968-177	HK2424968-178
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		99	105	161	176	103
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.06	<0.01	0.11	0.02	0.08
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.24	0.23	0.23	0.23	0.24
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.26	1.23	1.34	1.30	1.32
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.50	1.45	1.57	1.52	1.56
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.2	1.3	1.1	1.0	1.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.6	2.7	2.6	2.5	2.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.56	1.45	1.68	1.55	1.65
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.47	0.45	0.48	0.48	0.44
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	4	3	4	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		13000	3400	2300	6900	4300



Sub-Matrix: WATER				Sample ID	E28/MF/M/ REPLICATE 1	E28/MF/M/ REPLICATE 2	SP1/MF/M/ REPLICATE 1	SP1/MF/M/ REPLICATE 2	---
				Sampling date / time	25-Jun-2024	25-Jun-2024	25-Jun-2024	25-Jun-2024	----
Compound	CAS Number	LOR	Unit		HK2424968-183	HK2424968-184	HK2424968-189	HK2424968-190	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		152	140	49	45	---
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.01	<0.01	<0.01	<0.01	---
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.18	0.19	0.18	---
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.38	1.18	1.14	1.23	---
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.56	1.37	1.33	1.41	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.9	1.1	1.3	0.7	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.4	2.5	2.6	2.1	---
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.58	1.37	1.33	1.41	---
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.54	0.54	0.37	0.34	---
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	4	4	3	---
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3600	4600	9400	8400	---

----- END OF REPORT -----

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5885258)								
HK2424968-001	W5/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	6	0.0
HK2424968-011	W1/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	5	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5885259)								
HK2424968-021	W4/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	7	7	0.0
HK2424968-031	W7/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	13	13	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5885260)								
HK2424968-041	W6/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	8	8	0.0
HK2424968-057	E24/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	54	53	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5885261)								
HK2424968-087	E28/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	49	50	2.0
HK2424968-103	W1/MF/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5885262)								
HK2424968-113	W2/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
HK2424968-123	W8/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	5	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5885263)								
HK2424968-133	W6/MF/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	8	8	0.0
HK2424968-143	W3/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5885264)								
HK2424968-161	E27/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	26	26	0.0
HK2424968-183	E28/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	152	140	7.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884168)								
HK2424968-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884169)								
HK2424968-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.43	1.41	1.3
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884170)								
HK2424968-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884171)								

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884171) - Continued								
HK2424968-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.47	1.49	1.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884172)								
HK2424968-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884173)								
HK2424968-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.42	1.41	0.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884174)								
HK2424968-087	E28/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.19	0.20	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884175)								
HK2424968-087	E28/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.43	1.42	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884176)								
HK2424968-113	W2/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.07	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884177)								
HK2424968-113	W2/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.28	1.29	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884178)								
HK2424968-133	W6/MF/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.08	0.08	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884179)								
HK2424968-133	W6/MF/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.28	1.33	4.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884180)								
HK2424968-161	E27/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.19	0.19	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884181)								
HK2424968-161	E27/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.26	1.24	1.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884967)								
HK2424968-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884968)								
HK2424968-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884969)								
HK2424968-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884970)								
HK2424968-087	E28/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.20	0.22	6.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884971)								
HK2424968-113	W2/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884972)								



Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884972) - Continued								
HK2424968-133	W6/MF/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884973)								
HK2424968-161	E27/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884974)								
HK2424968-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884975)								
HK2424968-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884976)								
HK2424968-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.7	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884977)								
HK2424968-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.06	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884978)								
HK2424968-041	W6/ME/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.7	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884979)								
HK2424968-041	W6/ME/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884980)								
HK2424968-087	E28/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	2.2	2.3	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884981)								
HK2424968-087	E28/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.35	0.36	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884982)								
HK2424968-113	W2/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.5	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884983)								
HK2424968-113	W2/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884984)								
HK2424968-133	W6/MF/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884985)								
HK2424968-133	W6/MF/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884986)								
HK2424968-161	E27/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.9	1.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884987)								
HK2424968-161	E27/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.31	0.30	0.0



Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5885258)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	97.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5885259)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	96.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5885260)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	99.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5885261)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	94.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5885262)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	102	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5885263)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	106	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5885264)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	96.5	----	85.7	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884168)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	89.4	----	78.8	120	----	----
					<0.01	0.4 mg/L	105	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884169)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	104	----	86.0	124	----	----
					<0.01	0.4 mg/L	103	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884170)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	91.0	----	78.8	120	----	----
					<0.01	0.4 mg/L	110	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884171)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	107	----	86.0	124	----	----
					<0.01	0.4 mg/L	104	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884172)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	105	----	78.8	120	----	----

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884172) - Continued											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.4 mg/L	105	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884173)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	102	----	86.0	124	----	----
				<0.01	0.4 mg/L	103	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884174)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	93.4	----	78.8	120	----	----
				<0.01	0.4 mg/L	107	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884175)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	110	----	86.0	124	----	----
				<0.01	0.4 mg/L	102	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884176)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	96.8	----	78.8	120	----	----
				<0.01	0.4 mg/L	109	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884177)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	101	----	86.0	124	----	----
				<0.01	0.4 mg/L	103	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884178)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	99.2	----	78.8	120	----	----
				<0.01	0.4 mg/L	108	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884179)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	102	----	86.0	124	----	----
				<0.01	0.4 mg/L	104	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884180)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	95.0	----	78.8	120	----	----
				<0.01	0.4 mg/L	108	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884181)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	108	----	86.0	124	----	----
				<0.01	0.4 mg/L	104	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884967)											

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884967) - Continued											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	95.0	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884968)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	95.0	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884969)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	95.3	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884970)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	95.1	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884971)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	95.6	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884972)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	95.7	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884973)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	96.5	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884974)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	97.7	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884975)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	100	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884976)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	104	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884977)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	100	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884978)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	104	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884979)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	100	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884980)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	108	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884981)											



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884981) - Continued												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	98.4	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884982)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	100	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884983)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	98.4	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884984)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	101	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884985)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	98.4	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884986)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	102	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884987)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	98.8	----	93.1	103	----	----
EP: Aggregate Organics (QC Lot: 5884722)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	93.3	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5884723)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	88.9	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5884724)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	85.3	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5884725)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	85.2	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5884726)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	93.0	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5884727)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	90.2	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5884728)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	92.9	----	77.6	118	----	----



Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884168)										
HK2424968-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	110	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884169)										
HK2424968-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	5 mg/L	79.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884170)										
HK2424968-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	97.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884171)										
HK2424968-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	5 mg/L	88.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884172)										
HK2424968-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	112	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884173)										
HK2424968-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	5 mg/L	91.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884174)										
HK2424968-087	E28/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	114	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884175)										
HK2424968-087	E28/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	5 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884176)										
HK2424968-113	W2/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	99.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884177)										
HK2424968-113	W2/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	5 mg/L	77.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884178)										
HK2424968-133	W6/MF/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	111	----	75.0	125	----	----



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884179)										
HK2424968-133	W6/MF/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	5 mg/L	89.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884180)										
HK2424968-161	E27/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	109	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884181)										
HK2424968-161	E27/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	5 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884967)										
HK2424968-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	83.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884968)										
HK2424968-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	111	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884969)										
HK2424968-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	121	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884970)										
HK2424968-087	E28/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	1 mg/L	105	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884971)										
HK2424968-113	W2/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	77.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884972)										
HK2424968-133	W6/MF/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	118	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884973)										
HK2424968-161	E27/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	81.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884974)										
HK2424968-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	90.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884975)										
HK2424968-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	91.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884976)										
HK2424968-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	90.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884977)										
HK2424968-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	90.4	----	75.0	125	----	----



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number		MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884978)										
HK2424968-041	W6/ME/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	93.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884979)										
HK2424968-041	W6/ME/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	89.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884980)										
HK2424968-087	E28/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	5 mg/L	105	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884981)										
HK2424968-087	E28/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	94.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884982)										
HK2424968-113	W2/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	99.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884983)										
HK2424968-113	W2/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	90.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884984)										
HK2424968-133	W6/MF/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	93.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884985)										
HK2424968-133	W6/MF/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	90.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884986)										
HK2424968-161	E27/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	77.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5884987)										
HK2424968-161	E27/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	89.4	----	75.0	125	----	----



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 39
Contact	: BACKY KWOK	Contact	: Richard Fung	Work Order	: HK2425009
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Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 27-Jun-2024
Order number	: ---	Quote number	: HKE/1756/2024_V2	Issue Date	: 15-Jul-2024
C-O-C number	: ---			No. of samples received	: 132
Site	: ---			No. of samples analysed	: 132

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This document has been signed by those names that appear on this report and are the authorised signatories.

<i>Signatories</i>	<i>Position</i>	<i>Authorised results for</i>
		
Fung Lim Chee, Richard	Managing Director	Inorganics
		
Ng Sin Kou, May	Laboratory Manager	Microbiology_ENV



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 27-Jun-2024 to 15-Jul-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2425009

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.

Microbiological sample(s) was/ were collected in 125mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 17:10.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

EK061P - Total Kjeldahl Nitrogen is the difference of Total Nitrogen and Total Oxidizable Nitrogen.

EK063A - Total Inorganic Nitrogen is the sum of the Total Oxidizable Nitrogen and Ammonical Nitrogen.



Analytical Results

Sub-Matrix: WATER

Sample ID

				W5/ME/S/ REPLICATE 1	W5/ME/S/ REPLICATE 2	W5/ME/M/ REPLICATE 1	W5/ME/M/ REPLICATE 2	W5/ME/B/ REPLICATE 1
Sampling date / time				27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit	HK2425009-001	HK2425009-002	HK2425009-003	HK2425009-004	HK2425009-005
EA/ED: Physical and Aggregate Properties								
EA025: Suspended Solids (SS)	----	2	mg/L	4	4	3	3	4
ED/EK: Inorganic Nonmetallic Parameters								
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.03	0.05	0.04	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.34	1.31	1.32	1.28	1.35
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.37	1.36	1.36	1.32	1.38
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.4	0.3	0.3	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.7	1.7	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.37	1.36	1.36	1.32	1.38
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.04	0.04	0.04	0.04
EP: Aggregate Organics								
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2
EM: Microbiological Testing								
EM019: Escherichia coli	----	1	CFU/100mL	71	69	76	78	82



Sub-Matrix: WATER				Sample ID	W5/ME/B/ REPLICATE 2	W1/ME/S/ REPLICATE 1	W1/ME/S/ REPLICATE 2	W1/ME/M/ REPLICATE 1	W1/ME/M/ REPLICATE 2
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-006	HK2425009-007	HK2425009-008	HK2425009-009	HK2425009-010
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	3	3	3	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.02	0.03	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.36	1.34	1.35	1.35	1.35
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.38	1.36	1.38	1.40	1.39
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.4	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.6	1.7	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.38	1.36	1.38	1.40	1.39
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		91	66	60	86	83



Sub-Matrix: WATER				Sample ID	W1/ME/B/ REPLICATE 1	W1/ME/B/ REPLICATE 2	W2/ME/S/ REPLICATE 1	W2/ME/S/ REPLICATE 2	W2/ME/M/ REPLICATE 1
Sampling date / time				27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit	HK2425009-011	HK2425009-012	HK2425009-013	HK2425009-014	HK2425009-015	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	4	3	3	3	2	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.06	0.05	0.05	0.05	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.37	1.23	1.28	1.33	1.29	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.41	1.29	1.33	1.38	1.34	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	0.3	0.2	0.2	0.3	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.6	1.6	1.6	1.6	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.41	1.29	1.33	1.38	1.34	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.04	0.04	0.05	0.04	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	82	90	86	79	83	



Sub-Matrix: WATER				Sample ID	W2/ME/M/ REPLICATE 2	W2/ME/B/ REPLICATE 1	W2/ME/B/ REPLICATE 2	W4/ME/S/ REPLICATE 1	W4/ME/S/ REPLICATE 2
Sampling date / time					27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-016	HK2425009-017	HK2425009-018	HK2425009-019	HK2425009-020
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	3	2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.32	1.28	1.33	1.30	1.32
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.36	1.32	1.37	1.34	1.35
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.3	0.3	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.36	1.32	1.37	1.34	1.35
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		77	85	90	69	75



Sub-Matrix: WATER				Sample ID	W4/ME/M/ REPLICATE 1	W4/ME/M/ REPLICATE 2	W4/ME/B/ REPLICATE 1	W4/ME/B/ REPLICATE 2	W8/ME/S/ REPLICATE 1
Sampling date / time					27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-021	HK2425009-022	HK2425009-023	HK2425009-024	HK2425009-025
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	2	3	2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.32	1.32	1.28	1.27	1.27
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.36	1.36	1.32	1.31	1.32
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.3	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.5	1.5	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.36	1.36	1.32	1.31	1.32
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		84	79	93	87	65



Sub-Matrix: WATER				Sample ID	W8/ME/S/ REPLICATE 2	W8/ME/M/ REPLICATE 1	W8/ME/M/ REPLICATE 2	W8/ME/B/ REPLICATE 1	W8/ME/B/ REPLICATE 2
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-026	HK2425009-027	HK2425009-028	HK2425009-029	HK2425009-030
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	4	2	<2	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.06	0.04	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.28	1.28	1.31	1.28	1.26
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.33	1.34	1.35	1.33	1.32
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.5	1.6	1.5	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.33	1.34	1.35	1.33	1.32
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.06	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		74	84	79	75	78



Sub-Matrix: WATER				Sample ID	W7/ME/S/ REPLICATE 1	W7/ME/S/ REPLICATE 2	W7/ME/M/ REPLICATE 1	W7/ME/M/ REPLICATE 2	W7/ME/B/ REPLICATE 1
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-031	HK2425009-032	HK2425009-033	HK2425009-034	HK2425009-035
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	2	2	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.05	0.05	0.05	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.26	1.27	1.27	1.28	1.25
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.31	1.32	1.32	1.32	1.31
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.6	1.5	1.5	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.31	1.32	1.32	1.32	1.31
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		62	57	73	70	76



Sub-Matrix: WATER				Sample ID	W7/ME/B/ REPLICATE 2	W6/ME/S/ REPLICATE 1	W6/ME/S/ REPLICATE 2	W6/ME/M/ REPLICATE 1	W6/ME/M/ REPLICATE 2
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-036	HK2425009-037	HK2425009-038	HK2425009-039	HK2425009-040
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	2	3	2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.04	0.05	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.27	1.28	1.31	1.27	1.30
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.32	1.32	1.36	1.32	1.35
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.5	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.32	1.32	1.36	1.32	1.35
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		69	59	61	67	65



Sub-Matrix: WATER				Sample ID	W6/ME/B/ REPLICATE 1	W6/ME/B/ REPLICATE 2	W3/ME/S/ REPLICATE 1	W3/ME/S/ REPLICATE 2	W3/ME/M/ REPLICATE 1
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-041	HK2425009-042	HK2425009-043	HK2425009-044	HK2425009-045
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	4	<2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.04	0.04	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.31	1.34	1.30	1.30	1.31
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.36	1.38	1.35	1.34	1.37
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.5	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.36	1.38	1.35	1.34	1.37
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.05	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		74	71	64	70	61



Sub-Matrix: WATER				Sample ID	W3/ME/M/ REPLICATE 2	W3/ME/B/ REPLICATE 1	W3/ME/B/ REPLICATE 2	DB1/ME/M/ REPLICATE 1	DB1/ME/M/ REPLICATE 2
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-046	HK2425009-047	HK2425009-048	HK2425009-051	HK2425009-052
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	2	2	6	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.05	0.04	0.13	0.13
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.30	1.32	1.30	1.33	1.33
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.35	1.36	1.34	1.46	1.46
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.9	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.35	1.36	1.34	1.46	1.46
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.10	0.10
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		68	67	74	1200	1500



Sub-Matrix: WATER				Sample ID	E24/ME/M/ REPLICATE 1	E24/ME/M/ REPLICATE 2	E27/ME/M/ REPLICATE 1	E27/ME/M/ REPLICATE 2	E25/ME/M/ REPLICATE 1
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-057	HK2425009-058	HK2425009-063	HK2425009-064	HK2425009-069
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	5	12	11	10
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	0.22	0.20	0.27
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.14	0.14	0.20	0.18	0.20
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.33	1.33	1.68	1.72	1.75
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.46	1.47	1.88	1.90	1.95
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	1.1	1.1	1.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	3.0	3.0	3.1
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.46	1.47	2.10	2.10	2.23
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.11	0.11	0.39	0.39	0.38
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	3	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1300	1500	1700	1900	1400



Sub-Matrix: WATER				Sample ID	E25/ME/M/ REPLICATE 2	E26/ME/S/ REPLICATE 1	E26/ME/S/ REPLICATE 2	E26/ME/B/ REPLICATE 1	E26/ME/B/ REPLICATE 2
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-070	HK2425009-073	HK2425009-074	HK2425009-077	HK2425009-078
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		9	9	12	11	10
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.23	0.22	0.22	0.24	0.22
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.18	0.20	0.20	0.20
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.71	1.65	1.64	1.67	1.66
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.90	1.84	1.84	1.87	1.86
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.2	1.1	1.1	1.1	1.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		3.1	3.0	3.0	3.0	3.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		2.14	2.06	2.06	2.10	2.09
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.40	0.39	0.39	0.39	0.39
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	3	3	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1700	1100	1500	1600	1300



Sub-Matrix: WATER				Sample ID	KT1/ME/M/ REPLICATE 1	KT1/ME/M/ REPLICATE 2	E28/ME/M/ REPLICATE 1	E28/ME/M/ REPLICATE 2	SP1/ME/M/ REPLICATE 1
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-081	HK2425009-082	HK2425009-087	HK2425009-088	HK2425009-093
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		52	56	60	50	61
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.37	0.42	0.27	0.25	0.24
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.18	0.20	0.19	0.19
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.68	1.66	1.74	1.70	1.73
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.87	1.84	1.94	1.89	1.92
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.4	1.4	1.1	1.0	1.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		3.3	3.3	3.0	2.9	3.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		2.24	2.26	2.21	2.14	2.16
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.34	0.34	0.34	0.33	0.34
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	3	3	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2200	2100	1900	2400	1300



Sub-Matrix: WATER				Sample ID	SP1/ME/M/ REPLICATE 2	W5/MF/S/ REPLICATE 1	W5/MF/S/ REPLICATE 2	W5/MF/M/ REPLICATE 1	W5/MF/M/ REPLICATE 2
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-094	HK2425009-097	HK2425009-098	HK2425009-099	HK2425009-100
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		53	3	<2	2	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.28	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.05	0.04	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.76	1.37	1.38	1.38	1.37
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.95	1.42	1.42	1.42	1.42
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.4	0.2	0.2	0.1	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		3.3	1.6	1.6	1.5	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		2.23	1.42	1.42	1.42	1.42
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.34	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1500	73	69	74	69



Sub-Matrix: WATER				Sample ID	W5/MF/B/ REPLICATE 1	W5/MF/B/ REPLICATE 2	W1/MF/S/ REPLICATE 1	W1/MF/S/ REPLICATE 2	W1/MF/M/ REPLICATE 1
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-101	HK2425009-102	HK2425009-103	HK2425009-104	HK2425009-105
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	2	2	2	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.05	0.05	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.37	1.36	1.38	1.37	1.37
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.43	1.41	1.43	1.42	1.41
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.3	0.2	0.2	----
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		---	---	---	---	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.6	1.7	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.43	1.41	1.43	1.42	1.41
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		64	61	75	78	65



Sub-Matrix: WATER				Sample ID	W1/MF/M/ REPLICATE 2	W1/MF/B/ REPLICATE 1	W1/MF/B/ REPLICATE 2	W2/MF/S/ REPLICATE 1	W2/MF/S/ REPLICATE 2
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-106	HK2425009-107	HK2425009-108	HK2425009-109	HK2425009-110
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	3	4	<2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.04	0.04	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.36	1.37	1.38	1.36	1.40
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.40	1.41	1.42	1.41	1.44
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.1	0.1	<0.1	<0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.5	1.6	1.5	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.40	1.41	1.42	1.41	1.44
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		73	84	75	87	83



Sub-Matrix: WATER				Sample ID	W2/MF/M/ REPLICATE 1	W2/MF/M/ REPLICATE 2	W2/MF/B/ REPLICATE 1	W2/MF/B/ REPLICATE 2	W4/MF/S/ REPLICATE 1
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-111	HK2425009-112	HK2425009-113	HK2425009-114	HK2425009-115
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	4	6	3	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.03	0.04	0.06	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.40	1.38	1.38	1.36	1.38
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.44	1.42	1.42	1.42	1.42
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	----	----	----
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		---	---	0.1	0.2	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.44	1.42	1.42	1.42	1.42
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		81	73	60	66	81



Sub-Matrix: WATER				Sample ID	W4/MF/S/ REPLICATE 2	W4/MF/M/ REPLICATE 1	W4/MF/M/ REPLICATE 2	W4/MF/B/ REPLICATE 1	W4/MF/B/ REPLICATE 2
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-116	HK2425009-117	HK2425009-118	HK2425009-119	HK2425009-120
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	3	5	8	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.05	0.05	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.36	1.38	1.31	1.38	1.39
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.42	1.43	1.35	1.44	1.43
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.1	<0.1	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.5	1.5	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.42	1.43	1.35	1.44	1.43
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		74	76	68	65	64



Sub-Matrix: WATER				Sample ID	W8/MF/S/ REPLICATE 1	W8/MF/S/ REPLICATE 2	W8/MF/M/ REPLICATE 1	W8/MF/M/ REPLICATE 2	W8/MF/B/ REPLICATE 1
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-121	HK2425009-122	HK2425009-123	HK2425009-124	HK2425009-125
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	10	7	5	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.04	0.04	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.35	1.36	1.35	1.36	1.37
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.41	1.41	1.39	1.39	1.40
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.1	0.2	0.1	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.5	1.5	1.5	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.41	1.41	1.39	1.39	1.40
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		73	81	69	74	82



Sub-Matrix: WATER				Sample ID	W8/MF/B/ REPLICATE 2	W7/MF/S/ REPLICATE 1	W7/MF/S/ REPLICATE 2	W7/MF/M/ REPLICATE 1	W7/MF/M/ REPLICATE 2
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-126	HK2425009-127	HK2425009-128	HK2425009-129	HK2425009-130
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	5	6	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.36	1.36	1.36	1.35	1.38
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.41	1.39	1.40	1.40	1.42
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		---	---	---	---	0.1
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.3	0.1	0.1	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.7	1.5	1.5	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.41	1.39	1.40	1.40	1.42
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		77	69	74	85	77



Sub-Matrix: WATER				Sample ID	W7/MF/B/ REPLICATE 1	W7/MF/B/ REPLICATE 2	W6/MF/S/ REPLICATE 1	W6/MF/S/ REPLICATE 2	W6/MF/M/ REPLICATE 1
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-131	HK2425009-132	HK2425009-133	HK2425009-134	HK2425009-135
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	4	2	2	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.05	0.03	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.35	1.28	1.38	1.38	1.39
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.41	1.33	1.41	1.42	1.42
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.3	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.7	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.41	1.33	1.41	1.42	1.42
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		85	78	83	72	75



Sub-Matrix: WATER				Sample ID	W6/MF/M/ REPLICATE 2	W6/MF/B/ REPLICATE 1	W6/MF/B/ REPLICATE 2	W3/MF/S/ REPLICATE 1	W3/MF/S/ REPLICATE 2
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-136	HK2425009-137	HK2425009-138	HK2425009-139	HK2425009-140
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	<2	4	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.03	0.04	0.02	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.36	1.38	1.39	1.37	1.36
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.41	1.40	1.43	1.40	1.40
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.3	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.7	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.41	1.40	1.43	1.40	1.40
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		80	69	67	50	46



Sub-Matrix: WATER				Sample ID	W3/MF/M/ REPLICATE 1	W3/MF/M/ REPLICATE 2	W3/MF/B/ REPLICATE 1	W3/MF/B/ REPLICATE 2	DB1/MF/M/ REPLICATE 1
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-141	HK2425009-142	HK2425009-143	HK2425009-144	HK2425009-147
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	2	2	2	105
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	0.45
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.06	0.03	0.04	0.20
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.38	1.34	1.39	1.37	1.92
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.43	1.40	1.42	1.42	2.12
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	1.6
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	3.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.43	1.40	1.42	1.42	2.57
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.56
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		78	69	73	71	130



Sub-Matrix: WATER				Sample ID	DB1/MF/M/ REPLICATE 2	E24/MF/M/ REPLICATE 1	E24/MF/M/ REPLICATE 2	E27/MF/M/ REPLICATE 1	E27/MF/M/ REPLICATE 2
Sampling date / time					27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-148	HK2425009-153	HK2425009-154	HK2425009-159	HK2425009-160
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		114	102	112	94	102
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.40	0.38	0.37	0.34	0.35
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.19	0.21	0.21	0.19
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.90	1.92	1.90	1.90	1.91
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		2.09	2.11	2.10	2.11	2.10
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.6	2.1	1.6	1.6	1.7
EK062P: Total Nitrogen as N	----	0.1	mg/L		3.7	4.2	3.8	3.7	3.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		2.48	2.49	2.47	2.45	2.45
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.54	0.55	0.53	0.47	0.56
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		170	390	460	5100	4700



Sub-Matrix: WATER				Sample ID	E25/MF/M/ REPLICATE 1	E25/MF/M/ REPLICATE 2	E26/MF/S/ REPLICATE 1	E26/MF/S/ REPLICATE 2	E26/MF/B/ REPLICATE 1
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-165	HK2425009-166	HK2425009-169	HK2425009-170	HK2425009-173
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		116	103	109	112	109
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.42	0.36	0.39	0.37	0.36
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.20	0.18	0.20	0.19
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.89	1.91	1.87	1.88	1.87
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		2.08	2.11	2.04	2.07	2.06
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.9	1.6	1.6	1.5	1.6
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.0	3.8	3.7	3.6	3.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		2.50	2.47	2.44	2.44	2.42
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.56	0.50	0.46	0.43	0.46
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		5	4	3	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3600	3800	4500	4100	4600



Sub-Matrix: WATER				Sample ID	E26/MF/B/ REPLICATE 2	KT1/MF/M/ REPLICATE 1	KT1/MF/M/ REPLICATE 2	E28/MF/M/ REPLICATE 1	E28/MF/M/ REPLICATE 2
				Sampling date / time	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024	27-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425009-174	HK2425009-177	HK2425009-178	HK2425009-183	HK2425009-184
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		107	111	112	55	55
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.32	0.34	0.31	0.34	0.34
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.19	0.18	0.20	0.18
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.85	1.86	1.86	1.90	1.87
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		2.04	2.04	2.04	2.10	2.06
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.6	1.9	1.5	1.4	1.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		3.7	4.0	3.5	3.5	3.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		2.36	2.39	2.35	2.44	2.39
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.45	0.53	0.48	0.53	0.52
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	4	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		5200	5900	6400	5400	4900



Sub-Matrix: WATER				Sample ID	SP1/MF/M/ REPLICATE 1	SP1/MF/M/ REPLICATE 2	---	---	---
				Sampling date / time	27-Jun-2024	27-Jun-2024	---	---	---
Compound	CAS Number	LOR	Unit		HK2425009-189	HK2425009-190	-----	-----	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		46	49	---	---	---
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.50	0.47	---	---	---
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.20	0.19	---	---	---
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.83	1.84	---	---	---
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		2.03	2.03	---	---	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.4	1.4	---	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		3.5	3.4	---	---	---
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		2.53	2.51	---	---	---
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.54	0.52	---	---	---
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	---	---	---
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		4500	3700	---	---	---

----- END OF REPORT -----

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5891303)								
HK2425009-001	W5/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
HK2425009-011	W1/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5891304)								
HK2425009-021	W4/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
HK2425009-031	W7/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5891305)								
HK2425009-041	W6/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0
HK2425009-057	E24/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5891306)								
HK2425009-081	KT1/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	52	52	0.0
HK2425009-101	W5/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	2	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5891307)								
HK2425009-111	W2/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
HK2425009-121	W8/MF/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5891308)								
HK2425009-131	W7/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	5	5	0.0
HK2425009-141	W3/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5891309)								
HK2425009-165	E25/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	116	119	2.8
HK2425009-189	SP1/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	46	46	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890298)								
HK2425009-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890299)								
HK2425009-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890300)								
HK2425009-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890301)								

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890301) - Continued								
HK2425009-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.37	0.40	7.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890302)								
HK2425009-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890303)								
HK2425009-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890304)								
HK2425009-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.42	0.46	9.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890310)								
HK2425009-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.03	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890311)								
HK2425009-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.37	1.37	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890312)								
HK2425009-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890313)								
HK2425009-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.36	1.34	1.2
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890314)								
HK2425009-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.05	0.04	24.5
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890315)								
HK2425009-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.36	1.35	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890316)								
HK2425009-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.18	0.18	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890317)								
HK2425009-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.87	1.86	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890318)								
HK2425009-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890319)								
HK2425009-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.44	1.42	1.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890320)								
HK2425009-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890321)								
HK2425009-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.41	1.38	1.6
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890322)								



Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890322) - Continued								
HK2425009-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.19	0.20	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890323)								
HK2425009-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	2.08	2.07	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896285)								
HK2425009-081	KT1/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	3.3	3.3	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896286)								
HK2425009-081	KT1/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.34	0.34	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896287)								
HK2425009-111	W2/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896288)								
HK2425009-111	W2/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896289)								
HK2425009-131	W7/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896290)								
HK2425009-131	W7/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896291)								
HK2425009-165	E25/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	4.0	4.2	5.7
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896292)								
HK2425009-165	E25/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.56	0.56	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900730)								
HK2425009-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900731)								
HK2425009-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.7	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900732)								
HK2425009-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900733)								
HK2425009-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900734)								
HK2425009-041	W6/ME/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.5	1.5	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900735)								
HK2425009-041	W6/ME/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.0



Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
Method: Compound	CAS Number										
EA/ED: Physical and Aggregate Properties (QC Lot: 5891303)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5891304)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5891305)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5891306)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5891307)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	95.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5891308)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	93.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5891309)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	94.5	----	85.7	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890298)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	95.6	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890299)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	101	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890300)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	102	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890301)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	102	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890302)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	101	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890303)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	101	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890304)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	109	----	89.3	109	----	----



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890310)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	86.6	----	78.8	120	----	----
					<0.01	0.4 mg/L	101	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890311)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	94.0	----	86.0	124	----	----
					<0.01	0.4 mg/L	103	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890312)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	86.0	----	78.8	120	----	----
					<0.01	0.4 mg/L	105	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890313)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	97.2	----	86.0	124	----	----
					<0.01	0.4 mg/L	105	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890314)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	86.0	----	78.8	120	----	----
					<0.01	0.4 mg/L	104	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890315)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	102	----	86.0	124	----	----
					<0.01	0.4 mg/L	107	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890316)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	92.0	----	78.8	120	----	----
					<0.01	0.4 mg/L	102	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890317)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	98.6	----	86.0	124	----	----
					<0.01	0.4 mg/L	105	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890318)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	90.2	----	78.8	120	----	----
					<0.01	0.4 mg/L	100	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890319)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	101	----	86.0	124	----	----
					<0.01	0.4 mg/L	106	----	94.8	113	----	----

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890320)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	87.6	----	78.8	120	----	----
					<0.01	0.4 mg/L	104	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890321)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	99.0	----	86.0	124	----	----
					<0.01	0.4 mg/L	104	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890322)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	93.4	----	78.8	120	----	----
					<0.01	0.4 mg/L	99.7	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890323)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	102	----	86.0	124	----	----
					<0.01	0.4 mg/L	104	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896285)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	105	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896286)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	96.9	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896287)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	109	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896288)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	97.6	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896289)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	112	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896290)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	99.8	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896291)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	97.2	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896292)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	97.0	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900730)												



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900730) - Continued												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	100	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900731)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	110	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900732)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	110	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900733)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	102	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900734)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	108	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900735)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	100	----	93.1	103	----	----
EP: Aggregate Organics (QC Lot: 5891490)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	85.4	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5891733)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	91.1	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5891734)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	91.2	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5891735)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	92.4	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5891736)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	89.8	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5891737)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	96.4	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5891738)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	94.2	----	77.6	118	----	----

Matrix: **WATER**

Matrix: WATER					Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890298)										
HK2425009-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	75.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890299)										
HK2425009-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	88.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890300)										
HK2425009-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	87.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890301)										
HK2425009-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	79.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890302)										
HK2425009-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	82.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890303)										
HK2425009-147	DB1/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890304)										
HK2425009-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	80.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890310)										
HK2425009-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	86.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890311)										
HK2425009-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	99.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890312)										
HK2425009-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890313)										
HK2425009-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	112	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890314)										
HK2425009-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	80.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890315)										

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
Laboratory sample ID	Sample ID	Method: Compound	CAS Number							
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890315) - Continued										
HK2425009-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	97.7	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890316)										
HK2425009-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	92.3	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890317)										
HK2425009-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	100	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890318)										
HK2425009-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	116	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890319)										
HK2425009-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	112	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890320)										
HK2425009-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	109	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890321)										
HK2425009-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	90.6	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890322)										
HK2425009-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	112	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5890323)										
HK2425009-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	108	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896285)										
HK2425009-081	KT1/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	5 mg/L	106	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896286)										
HK2425009-081	KT1/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	80.8	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896287)										
HK2425009-111	W2/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	5 mg/L	114	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896288)										



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number		MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896288) - Continued										
HK2425009-111	W2/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	81.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896289)										
HK2425009-131	W7/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	5 mg/L	108	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896290)										
HK2425009-131	W7/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	91.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896291)										
HK2425009-165	E25/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	5 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896292)										
HK2425009-165	E25/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	88.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900730)										
HK2425009-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900731)										
HK2425009-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	98.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900732)										
HK2425009-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900733)										
HK2425009-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	95.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900734)										
HK2425009-041	W6/ME/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5900735)										
HK2425009-041	W6/ME/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	96.3	----	75.0	125	----	----



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 40
Contact	: BACKY KWOK	Contact	: Richard Fung	Work Order	: HK2425277
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Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 29-Jun-2024
Order number	: ---	Quote number	: HKE/1756/2024_V2	Issue Date	: 15-Jul-2024
C-O-C number	: ---			No. of samples received	: 132
Site	: ---			No. of samples analysed	: 132

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This document has been signed by those names that appear on this report and are the authorised signatories.

<i>Signatories</i>	<i>Position</i>	<i>Authorised results for</i>
		
Fung Lim Chee, Richard	Managing Director	Inorganics
		
Ng Sin Kou, May	Laboratory Manager	Microbiology_ENV



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 29-Jun-2024 to 15-Jul-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2425277

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.

Microbiological sample(s) were collected in 125mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 14:45.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

EK061P - Total Kjeldahl Nitrogen is the difference of Total Nitrogen and Total Oxidizable Nitrogen.

EK063A - Total Inorganic Nitrogen is the sum of the Total Oxidizable Nitrogen and Ammonical Nitrogen.



Analytical Results

Sub-Matrix: WATER				Sample ID	W5/ME/S/ REPLICATE 1	W5/ME/S/ REPLICATE 2	W5/ME/M/ REPLICATE 1	W5/ME/M/ REPLICATE 2	W5/ME/B/ REPLICATE 1
Sampling date / time					29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-001	HK2425277-002	HK2425277-003	HK2425277-004	HK2425277-005
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		10	10	10	10	10
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.03	0.04	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.50	1.58	1.56	1.57	1.58
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.55	1.61	1.60	1.61	1.62
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.3	0.3	0.3	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	1.9	1.9	2.0	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.55	1.61	1.60	1.61	1.62
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.06	0.04	0.04	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		5000	4200	720	580	5000



Sub-Matrix: WATER				Sample ID	W5/ME/B/ REPLICATE 2	W1/ME/S/ REPLICATE 1	W1/ME/S/ REPLICATE 2	W1/ME/M/ REPLICATE 1	W1/ME/M/ REPLICATE 2
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-006	HK2425277-007	HK2425277-008	HK2425277-009	HK2425277-010
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		10	10	10	11	10
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.03	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.58	1.56	1.56	1.53	1.58
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.61	1.60	1.59	1.57	1.61
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.3	0.3	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.61	1.60	1.59	1.57	1.61
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		4800	5300	5000	3000	3200



Sub-Matrix: WATER				Sample ID	W1/ME/B/ REPLICATE 1	W1/ME/B/ REPLICATE 2	W2/ME/S/ REPLICATE 1	W2/ME/S/ REPLICATE 2	W2/ME/M/ REPLICATE 1
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-011	HK2425277-012	HK2425277-013	HK2425277-014	HK2425277-015
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		10	10	9	9	10
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.02	0.02	0.03	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.58	1.58	1.57	1.56	1.58
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.60	1.60	1.60	1.59	1.61
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.3	0.3	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	1.9	2.0	2.0	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.60	1.60	1.60	1.59	1.61
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.04	0.04	0.04	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2400	1800	3900	2500	4600



Sub-Matrix: WATER				Sample ID	W2/ME/M/ REPLICATE 2	W2/ME/B/ REPLICATE 1	W2/ME/B/ REPLICATE 2	W4/ME/S/ REPLICATE 1	W4/ME/S/ REPLICATE 2
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-016	HK2425277-017	HK2425277-018	HK2425277-019	HK2425277-020
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	9	9	9	9
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.05	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.57	1.53	1.53	1.54	1.59
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.61	1.57	1.58	1.57	1.62
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.5	0.3	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	2.0	1.9	1.9	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.61	1.57	1.58	1.57	1.62
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		5700	420	290	4900	3100



Sub-Matrix: WATER				Sample ID	W4/ME/M/ REPLICATE 1	W4/ME/M/ REPLICATE 2	W4/ME/B/ REPLICATE 1	W4/ME/B/ REPLICATE 2	W8/ME/S/ REPLICATE 1
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-021	HK2425277-022	HK2425277-023	HK2425277-024	HK2425277-025
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		10	10	10	9	9
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.03	0.02	0.03	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.54	1.56	1.57	1.57	1.57
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.57	1.60	1.59	1.60	1.61
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	2.0	2.0	2.0	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.57	1.60	1.59	1.60	1.61
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.04	0.04	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3200	3000	3300	2200	560



Sub-Matrix: WATER				Sample ID	W8/ME/S/ REPLICATE 2	W8/ME/M/ REPLICATE 1	W8/ME/M/ REPLICATE 2	W8/ME/B/ REPLICATE 1	W8/ME/B/ REPLICATE 2
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-026	HK2425277-027	HK2425277-028	HK2425277-029	HK2425277-030
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		9	8	8	9	9
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.05	0.04	0.03	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.59	1.49	1.51	1.53	1.48
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.62	1.54	1.56	1.56	1.52
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.3	0.3	0.3	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	1.8	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.62	1.54	1.56	1.56	1.52
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.04	0.06	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		670	340	510	4700	3100



Sub-Matrix: WATER				Sample ID	W7/ME/S/ REPLICATE 1	W7/ME/S/ REPLICATE 2	W7/ME/M/ REPLICATE 1	W7/ME/M/ REPLICATE 2	W7/ME/B/ REPLICATE 1
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-031	HK2425277-032	HK2425277-033	HK2425277-034	HK2425277-035
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		7	7	9	9	11
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.02	0.04	0.04	0.03	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.60	1.52	1.50	1.58	1.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.63	1.56	1.53	1.62	1.54
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	1.9	2.0	2.0	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.63	1.56	1.53	1.62	1.54
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.04	0.04	0.05	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2600	3500	1600	1200	2600



Sub-Matrix: WATER				Sample ID	W7/ME/B/ REPLICATE 2	W6/ME/S/ REPLICATE 1	W6/ME/S/ REPLICATE 2	W6/ME/M/ REPLICATE 1	W6/ME/M/ REPLICATE 2
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-036	HK2425277-037	HK2425277-038	HK2425277-039	HK2425277-040
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		9	9	9	10	9
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.57	1.58	1.59	1.58	1.54
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.61	1.62	1.63	1.61	1.58
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.3	0.3	0.3	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	1.9	2.0	1.9	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.61	1.62	1.63	1.61	1.58
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.05	0.05	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3800	4300	4400	630	810



Sub-Matrix: WATER				Sample ID	W6/ME/B/ REPLICATE 1	W6/ME/B/ REPLICATE 2	W3/ME/S/ REPLICATE 1	W3/ME/S/ REPLICATE 2	W3/ME/M/ REPLICATE 1
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-041	HK2425277-042	HK2425277-043	HK2425277-044	HK2425277-045
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		10	9	8	9	9
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.03	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.52	1.55	1.53	1.58	1.48
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.56	1.59	1.57	1.62	1.52
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.4	0.3	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.56	1.59	1.57	1.62	1.52
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2900	1600	500	360	3200



Sub-Matrix: WATER				Sample ID	W3/ME/M/ REPLICATE 2	W3/ME/B/ REPLICATE 1	W3/ME/B/ REPLICATE 2	DB1/ME/M/ REPLICATE 1	DB1/ME/M/ REPLICATE 2
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-046	HK2425277-047	HK2425277-048	HK2425277-051	HK2425277-052
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		9	9	10	38	38
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	0.01	0.13	3.42	3.28
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.03	0.23	0.23
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.52	1.55	1.55	0.72	0.71
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.56	1.59	1.58	0.95	0.94
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.7	1.4	4.5	4.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	2.3	2.9	5.5	5.2
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.56	1.60	1.71	4.36	4.22
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.05	0.05	0.67	0.68
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		4700	450	620	4200	3500



Sub-Matrix: WATER				Sample ID	E24/ME/M/ REPLICATE 1	E24/ME/M/ REPLICATE 2	E27/ME/M/ REPLICATE 1	E27/ME/M/ REPLICATE 2	E25/ME/M/ REPLICATE 1
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-057	HK2425277-058	HK2425277-063	HK2425277-064	HK2425277-069
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		38	37	35	36	46
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.18	3.39	3.47	3.60	3.66
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.22	0.23	0.22	0.24	0.24
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.68	0.69	0.72	0.70	0.75
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.90	0.92	0.94	0.94	0.99
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		3.6	3.5	3.6	3.7	3.9
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.5	4.4	4.5	4.6	4.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.08	4.31	4.41	4.54	4.65
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.68	0.66	0.68	0.67	0.66
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3700	4000	2900	2700	2600



Sub-Matrix: WATER				Sample ID	E25/ME/M/ REPLICATE 2	E26/ME/S/ REPLICATE 1	E26/ME/S/ REPLICATE 2	E26/ME/B/ REPLICATE 1	E26/ME/B/ REPLICATE 2
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-070	HK2425277-073	HK2425277-074	HK2425277-077	HK2425277-078
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		39	42	40	39	42
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.02	3.32	3.13	3.07	3.29
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.24	0.23	0.25	0.24	0.24
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.73	0.73	0.72	0.75	0.72
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.97	0.96	0.97	0.99	0.96
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.0	4.1	4.0	4.0	4.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.0	5.1	5.0	5.0	5.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.99	4.28	4.10	4.05	4.25
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.69	0.65	0.67	0.66	0.67
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2900	2100	2200	2300	3000



Sub-Matrix: WATER				Sample ID	KT1/ME/M/ REPLICATE 1	KT1/ME/M/ REPLICATE 2	E28/ME/M/ REPLICATE 1	E28/ME/M/ REPLICATE 2	SP1/ME/M/ REPLICATE 1
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-081	HK2425277-082	HK2425277-087	HK2425277-088	HK2425277-093
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		37	36	41	40	45
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.50	3.38	2.58	2.57	2.40
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.22	0.23	0.18	0.17	0.19
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.65	0.70	0.58	0.58	0.56
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.87	0.93	0.75	0.75	0.76
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.6	4.5	3.0	2.8	2.8
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.4	5.4	3.7	3.5	3.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.37	4.30	3.34	3.32	3.16
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.68	0.67	0.65	0.61	0.63
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	5	5	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3900	5200	2700	3500	2500



Sub-Matrix: WATER				Sample ID	SP1/ME/M/ REPLICATE 2	W5/MF/S/ REPLICATE 1	W5/MF/S/ REPLICATE 2	W5/MF/M/ REPLICATE 1	W5/MF/M/ REPLICATE 2
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-094	HK2425277-097	HK2425277-098	HK2425277-099	HK2425277-100
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		45	8	8	9	9
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		2.48	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.20	0.03	0.03	0.04	0.02
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.58	1.50	1.44	1.47	1.52
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.78	1.53	1.47	1.51	1.54
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		2.7	0.2	0.2	0.1	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		3.5	1.7	1.7	1.6	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.26	1.53	1.47	1.51	1.54
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.62	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		5	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		4300	1800	1900	1700	2000



Sub-Matrix: WATER				Sample ID	W5/MF/B/ REPLICATE 1	W5/MF/B/ REPLICATE 2	W1/MF/S/ REPLICATE 1	W1/MF/S/ REPLICATE 2	W1/MF/M/ REPLICATE 1
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-101	HK2425277-102	HK2425277-103	HK2425277-104	HK2425277-105
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	8	8	6	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.02	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.37	1.44	1.57	1.48	1.47
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.41	1.49	1.59	1.53	1.51
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.1	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.6	1.8	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.41	1.49	1.59	1.53	1.51
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.03	0.05	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2200	1700	3800	4300	470



Sub-Matrix: WATER				Sample ID	W1/MF/M/ REPLICATE 2	W1/MF/B/ REPLICATE 1	W1/MF/B/ REPLICATE 2	W2/MF/S/ REPLICATE 1	W2/MF/S/ REPLICATE 2
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-106	HK2425277-107	HK2425277-108	HK2425277-109	HK2425277-110
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		7	8	8	9	8
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.01	0.05	0.03	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.40	1.47	1.52	1.52	1.46
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.42	1.51	1.55	1.55	1.50
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.1	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.6	1.7	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.42	1.51	1.55	1.55	1.50
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.03	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		670	3000	3700	830	600



Sub-Matrix: WATER				Sample ID	W2/MF/M/ REPLICATE 1	W2/MF/M/ REPLICATE 2	W2/MF/B/ REPLICATE 1	W2/MF/B/ REPLICATE 2	W4/MF/S/ REPLICATE 1
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-111	HK2425277-112	HK2425277-113	HK2425277-114	HK2425277-115
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		9	10	9	9	9
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.02	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.44	1.51	1.44	1.49	1.47
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.48	1.55	1.46	1.53	1.51
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.2	0.3	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.7	1.7	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.48	1.55	1.46	1.53	1.51
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.05	0.16
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1500	2600	1500	2600	2700



Sub-Matrix: WATER				Sample ID	W4/MF/S/ REPLICATE 2	W4/MF/M/ REPLICATE 1	W4/MF/M/ REPLICATE 2	W4/MF/B/ REPLICATE 1	W4/MF/B/ REPLICATE 2
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-116	HK2425277-117	HK2425277-118	HK2425277-119	HK2425277-120
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		9	10	9	10	10
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.05	0.03	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.48	1.48	1.57	1.49	1.58
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.52	1.53	1.60	1.53	1.62
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.8	1.7	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.52	1.53	1.60	1.53	1.62
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.11	0.05	0.05	0.31	0.34
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1900	620	510	3800	5200



Sub-Matrix: WATER				Sample ID	W8/MF/S/ REPLICATE 1	W8/MF/S/ REPLICATE 2	W8/MF/M/ REPLICATE 1	W8/MF/M/ REPLICATE 2	W8/MF/B/ REPLICATE 1
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-121	HK2425277-122	HK2425277-123	HK2425277-124	HK2425277-125
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		10	9	9	9	10
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.02	0.02	0.02	0.02	0.02
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.59	1.61	1.61	1.60	1.56
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.61	1.63	1.64	1.63	1.59
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.1	0.1	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.8	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.61	1.63	1.64	1.63	1.59
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.35	0.36	0.38	0.43	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2500	2700	1600	2100	2100



Sub-Matrix: WATER				Sample ID	W8/MF/B/ REPLICATE 2	W7/MF/S/ REPLICATE 1	W7/MF/S/ REPLICATE 2	W7/MF/M/ REPLICATE 1	W7/MF/M/ REPLICATE 2
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-126	HK2425277-127	HK2425277-128	HK2425277-129	HK2425277-130
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		11	10	10	9	10
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.03	0.04	0.02	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.55	1.61	1.56	1.56	1.61
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.58	1.64	1.60	1.58	1.64
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.3	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.9	1.9	1.8	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.58	1.64	1.60	1.58	1.64
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.06	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3000	3700	4600	800	1000



Sub-Matrix: WATER				Sample ID	W7/MF/B/ REPLICATE 1	W7/MF/B/ REPLICATE 2	W6/MF/S/ REPLICATE 1	W6/MF/S/ REPLICATE 2	W6/MF/M/ REPLICATE 1
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-131	HK2425277-132	HK2425277-133	HK2425277-134	HK2425277-135
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		10	9	13	11	11
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.02	0.02	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.60	1.62	1.70	1.62	1.60
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.63	1.64	1.72	1.64	1.63
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.1	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.9	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.63	1.64	1.72	1.64	1.63
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.06	0.06	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2200	2000	1900	2800	640



Sub-Matrix: WATER				Sample ID	W6/MF/M/ REPLICATE 2	W6/MF/B/ REPLICATE 1	W6/MF/B/ REPLICATE 2	W3/MF/S/ REPLICATE 1	W3/MF/S/ REPLICATE 2
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-136	HK2425277-137	HK2425277-138	HK2425277-139	HK2425277-140
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		12	12	13	8	7
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.03	0.04	0.03	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.60	1.60	1.60	1.60	1.60
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.64	1.64	1.64	1.62	1.64
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.64	1.64	1.64	1.62	1.64
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.06	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		510	2600	4000	110	82



Sub-Matrix: WATER				Sample ID	W3/MF/M/ REPLICATE 1	W3/MF/M/ REPLICATE 2	W3/MF/B/ REPLICATE 1	W3/MF/B/ REPLICATE 2	DB1/MF/M/ REPLICATE 1
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-141	HK2425277-142	HK2425277-143	HK2425277-144	HK2425277-147
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		11	11	12	12	34
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	3.36
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.03	0.02	0.24
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.55	1.60	1.60	1.62	0.73
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.59	1.64	1.63	1.64	0.97
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.1	4.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.8	5.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.59	1.64	1.63	1.64	4.33
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.69
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		640	460	2500	1600	7000



Sub-Matrix: WATER				Sample ID	DB1/MF/M/ REPLICATE 2	E24/MF/M/ REPLICATE 1	E24/MF/M/ REPLICATE 2	E27/MF/M/ REPLICATE 1	E27/MF/M/ REPLICATE 2
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-148	HK2425277-153	HK2425277-154	HK2425277-159	HK2425277-160
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		33	37	35	34	36
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.29	3.38	3.35	3.32	3.42
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.24	0.24	0.26	0.24	0.23
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.72	0.72	0.72	0.73	0.74
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.97	0.96	0.98	0.97	0.97
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.4	4.4	4.2	4.4	4.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.4	5.4	5.2	5.4	5.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.26	4.34	4.33	4.29	4.39
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.67	0.67	0.68	0.65	0.64
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	5	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		5900	4700	4500	5400	7400



Sub-Matrix: WATER				Sample ID	E25/MF/M/ REPLICATE 1	E25/MF/M/ REPLICATE 2	E26/MF/S/ REPLICATE 1	E26/MF/S/ REPLICATE 2	E26/MF/B/ REPLICATE 1
Sampling date / time					29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-165	HK2425277-166	HK2425277-169	HK2425277-170	HK2425277-173
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		43	52	42	39	42
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.42	3.37	2.80	3.05	3.04
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.24	0.25	0.24	0.24	0.24
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.76	0.76	0.76	0.76	0.75
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.00	1.01	1.00	1.00	0.99
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.3	4.4	4.5	4.3	4.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.3	5.4	5.5	5.3	5.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.42	4.38	3.81	4.04	4.02
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.66	0.71	0.73	0.64	0.68
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	3	4	5	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		5000	6800	4600	3600	4400



Sub-Matrix: WATER				Sample ID	E26/MF/B/ REPLICATE 2	KT1/MF/M/ REPLICATE 1	KT1/MF/M/ REPLICATE 2	E28/MF/M/ REPLICATE 1	E28/MF/M/ REPLICATE 2
				Sampling date / time	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024	29-Jun-2024
Compound	CAS Number	LOR	Unit		HK2425277-174	HK2425277-177	HK2425277-178	HK2425277-183	HK2425277-184
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		42	36	37	43	44
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.10	3.31	3.44	2.63	2.81
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.24	0.25	0.22	0.21	0.20
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.73	0.69	0.72	0.56	0.57
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.97	0.94	0.94	0.77	0.77
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.4	4.3	4.4	3.9	3.8
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.3	5.2	5.3	4.7	4.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.07	4.25	4.38	3.40	3.58
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.64	0.64	0.66	0.62	0.60
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	5	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		5200	5900	7300	9600	8700



Sub-Matrix: WATER				Sample ID	SP1/MF/M/ REPLICATE 1	SP1/MF/M/ REPLICATE 2	---	---	---
				Sampling date / time	29-Jun-2024	29-Jun-2024	---	---	---
Compound	CAS Number	LOR	Unit		HK2425277-189	HK2425277-190	-----	-----	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		44	44	---	---	---
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		2.48	2.55	---	---	---
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.19	---	---	---
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.59	0.60	---	---	---
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.78	0.79	---	---	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		3.7	3.6	---	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.5	4.4	---	---	---
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.26	3.34	---	---	---
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.60	0.65	---	---	---
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	---	---	---
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		17000	13000	---	---	---

----- END OF REPORT -----

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5897475)								
HK2425277-001	W5/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	10	10	0.0
HK2425277-011	W1/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	10	10	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5897476)								
HK2425277-021	W4/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	10	10	0.0
HK2425277-031	W7/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	7	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5897477)								
HK2425277-041	W6/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	10	9	0.0
HK2425277-057	E24/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	38	39	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5897478)								
HK2425277-081	KT1/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	37	35	4.3
HK2425277-101	W5/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	8	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5897479)								
HK2425277-111	W2/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	9	9	0.0
HK2425277-121	W8/MF/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	10	11	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5897480)								
HK2425277-131	W7/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	10	10	0.0
HK2425277-141	W3/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	11	11	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5897481)								
HK2425277-165	E25/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	43	44	3.7
HK2425277-189	SP1/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	44	43	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896676)								
HK2425277-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.05	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896677)								
HK2425277-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.55	1.58	1.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896678)								
HK2425277-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.03	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896679)								

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896679) - Continued								
HK2425277-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.57	1.52	3.1
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896680)								
HK2425277-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.03	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896681)								
HK2425277-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.56	1.52	2.3
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896682)								
HK2425277-087	E28/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.18	0.17	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896683)								
HK2425277-087	E28/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.75	0.75	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896684)								
HK2425277-113	W2/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.02	0.02	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896685)								
HK2425277-113	W2/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.46	1.42	2.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896686)								
HK2425277-133	W6/MF/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.02	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896687)								
HK2425277-133	W6/MF/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.72	1.62	6.2
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896688)								
HK2425277-166	E25/MF/M/ REPLICATE 2	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.25	0.24	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896689)								
HK2425277-166	E25/MF/M/ REPLICATE 2	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.01	1.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896910)								
HK2425277-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896911)								
HK2425277-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896912)								
HK2425277-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896913)								
HK2425277-087	E28/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	2.58	2.55	1.5
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896914)								
HK2425277-113	W2/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896915)								



Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896915) - Continued								
HK2425277-133	W6/MF/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896916)								
HK2425277-166	E25/MF/M/ REPLICATE 2	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	3.37	2.80	18.3
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902322)								
HK2425277-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	2.0	1.9	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902323)								
HK2425277-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902324)								
HK2425277-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	2.0	2.0	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902325)								
HK2425277-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902326)								
HK2425277-041	W6/ME/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.9	2.0	7.2
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902327)								
HK2425277-041	W6/ME/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902328)								
HK2425277-081	KT1/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	5.4	5.6	3.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902329)								
HK2425277-081	KT1/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.68	0.67	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902330)								
HK2425277-111	W2/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902331)								
HK2425277-111	W2/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902332)								
HK2425277-131	W7/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.8	1.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902333)								
HK2425277-131	W7/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902334)								
HK2425277-165	E25/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	5.3	5.1	2.7
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902335)								
HK2425277-165	E25/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.66	0.65	0.0



Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5897475)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	99.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5897476)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	92.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5897477)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	93.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5897478)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	108	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5897479)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	99.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5897480)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	97.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5897481)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	102	----	85.7	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896676)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	100	----	78.8	120	----	----
					<0.01	0.4 mg/L	104	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896677)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	99.4	----	86.0	124	----	----
					<0.01	0.4 mg/L	101	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896678)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	84.2	----	78.8	120	----	----
					<0.01	0.4 mg/L	106	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896679)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	105	----	86.0	124	----	----
					<0.01	0.4 mg/L	102	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896680)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	90.8	----	78.8	120	----	----

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896680) - Continued											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.4 mg/L	103	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896681)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	98.8	----	86.0	124	----	----
				<0.01	0.4 mg/L	102	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896682)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	86.6	----	78.8	120	----	----
				<0.01	0.4 mg/L	104	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896683)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	96.8	----	86.0	124	----	----
				<0.01	0.4 mg/L	98.3	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896684)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	87.2	----	78.8	120	----	----
				<0.01	0.4 mg/L	107	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896685)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	91.0	----	86.0	124	----	----
				<0.01	0.4 mg/L	97.6	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896686)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	94.8	----	78.8	120	----	----
				<0.01	0.4 mg/L	105	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896687)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	100	----	86.0	124	----	----
				<0.01	0.4 mg/L	100	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896688)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	106	----	78.8	120	----	----
				<0.01	0.4 mg/L	108	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896689)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	103	----	86.0	124	----	----
				<0.01	0.4 mg/L	101	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896910)											

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896910) - Continued											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	105	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896911)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	105	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896912)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	107	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896913)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	99.0	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896914)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	94.1	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896915)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	97.7	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896916)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	101	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902322)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	110	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902323)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	99.7	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902324)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	102	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902325)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	99.7	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902326)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	106	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902327)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	99.6	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902328)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	111	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902329)											

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902329) - Continued												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	98.5	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902330)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	110	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902331)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	96.7	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902332)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	113	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902333)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	101	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902334)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	109	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902335)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	101	----	93.1	103	----	----
EP: Aggregate Organics (QC Lot: 5895809)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	96.2	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5897047)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	95.4	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5897048)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	90.6	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5897049)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	92.4	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5897050)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	92.7	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5897051)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	93.3	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5897052)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	86.1	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5897053)												



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EP: Aggregate Organics (QC Lot: 5897053) - Continued												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	104	----	77.6	118	----	----



Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896676)										
HK2425277-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	112	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896677)										
HK2425277-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	92.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896678)										
HK2425277-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	100	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896679)										
HK2425277-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	96.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896680)										
HK2425277-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896681)										
HK2425277-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	87.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896682)										
HK2425277-087	E28/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	91.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896683)										
HK2425277-087	E28/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896684)										
HK2425277-113	W2/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	114	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896685)										
HK2425277-113	W2/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	92.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896686)										
HK2425277-133	W6/MF/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	100	----	75.0	125	----	----



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
Laboratory sample ID	Sample ID	Method: Compound	CAS Number							
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896687)										
HK2425277-133	W6/MF/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	88.0	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896688)										
HK2425277-166	E25/MF/M/ REPLICATE 2	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	99.6	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896689)										
HK2425277-166	E25/MF/M/ REPLICATE 2	EK059A: Nitrite + Nitrate as N	----	1 mg/L	103	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896910)										
HK2425277-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	78.6	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896911)										
HK2425277-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	93.2	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896912)										
HK2425277-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	90.0	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896913)										
HK2425277-087	E28/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	95.8	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896914)										
HK2425277-113	W2/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	83.3	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896915)										
HK2425277-133	W6/MF/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	82.0	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5896916)										
HK2425277-166	E25/MF/M/ REPLICATE 2	EK055K: Ammonia as N	7664-41-7	5 mg/L	79.8	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902322)										
HK2425277-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	98.8	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902323)										
HK2425277-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	97.4	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902324)										
HK2425277-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	105	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902325)										
HK2425277-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	95.6	----	75.0	125	----	



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number			MS	MSD	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902326)										
HK2425277-041	W6/ME/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902327)										
HK2425277-041	W6/ME/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	94.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902328)										
HK2425277-081	KT1/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	5 mg/L	113	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902329)										
HK2425277-081	KT1/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	95.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902330)										
HK2425277-111	W2/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	92.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902331)										
HK2425277-111	W2/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	88.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902332)										
HK2425277-131	W7/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	105	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902333)										
HK2425277-131	W7/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	98.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902334)										
HK2425277-165	E25/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	5 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5902335)										
HK2425277-165	E25/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	5 mg/L	99.4	----	75.0	125	----	----



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 38
Contact	: BACKY KWOK	Contact	: Richard Fung	Work Order	: HK2425414
Address	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
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Telephone	: ---	Telephone	: +852 2610 1044		
Facsimile	: ---	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 02-Jul-2024
Order number	: ---	Quote number	: HKE/1756/2024_V2	Issue Date	: 19-Jul-2024
C-O-C number	: ---			No. of samples received	: 128
Site	: ---			No. of samples analysed	: 128

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This document has been signed by those names that appear on this report and are the authorised signatories.

<i>Signatories</i>	<i>Position</i>	<i>Authorised results for</i>
		
Fung Lim Chee, Richard	Managing Director	Inorganics
		
Ng Sin Kou, May	Laboratory Manager	Microbiology_ENV



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 02-Jul-2024 to 19-Jul-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2425414

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.

Microbiological sample(s) was/ were collected in 125mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 18:40.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

EK061P - Total Kjeldahl Nitrogen is the difference of Total Nitrogen and Total Oxidizable Nitrogen.

EK063A - Total Inorganic Nitrogen is the sum of the Total Oxidizable Nitrogen and Ammonical Nitrogen.



Analytical Results

Sub-Matrix: WATER				Sample ID	W5/ME/S/ REPLICATE 1	W5/ME/S/ REPLICATE 2	W5/ME/M/ REPLICATE 1	W5/ME/M/ REPLICATE 2	W5/ME/B/ REPLICATE 1
Sampling date / time					02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-001	HK2425414-002	HK2425414-003	HK2425414-004	HK2425414-005
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	5	6	5	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.52	1.51	1.54	1.54	1.55
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.57	1.55	1.57	1.57	1.58
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		---	---	0.2	---	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	---	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.7	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.57	1.55	1.57	1.57	1.58
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		670	730	420	390	270



Sub-Matrix: WATER				Sample ID	W5/ME/B/ REPLICATE 2	W1/ME/S/ REPLICATE 1	W1/ME/S/ REPLICATE 2	W1/ME/M/ REPLICATE 1	W1/ME/M/ REPLICATE 2
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-006	HK2425414-007	HK2425414-008	HK2425414-009	HK2425414-010
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	7	7	5	7
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.06	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.53	1.54	1.51	1.53	1.51
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.57	1.58	1.57	1.58	1.56
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		---	0.2	---	---	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	---	0.2	0.2	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.8	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.57	1.58	1.57	1.58	1.56
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.04	0.04	0.04	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		350	240	210	380	420



Sub-Matrix: WATER				Sample ID	W1/ME/B/ REPLICATE 1	W1/ME/B/ REPLICATE 2	W2/ME/S/ REPLICATE 1	W2/ME/S/ REPLICATE 2	W2/ME/M/ REPLICATE 1
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-011	HK2425414-012	HK2425414-013	HK2425414-014	HK2425414-015
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	6	6	7	7
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.05	0.05	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.52	1.48	1.50	1.50	1.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.56	1.53	1.55	1.55	1.55
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.56	1.53	1.55	1.55	1.55
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.04	0.04	0.05	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		570	420	1000	830	910



Sub-Matrix: WATER				Sample ID	W2/ME/M/ REPLICATE 2	W2/ME/B/ REPLICATE 1	W2/ME/B/ REPLICATE 2	W4/ME/S/ REPLICATE 1	W4/ME/S/ REPLICATE 2
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-016	HK2425414-017	HK2425414-018	HK2425414-019	HK2425414-020
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	5	6	4	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.03	0.05	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.53	1.54	1.51	1.54	1.52
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.56	1.57	1.56	1.58	1.57
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.56	1.57	1.56	1.58	1.57
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.05	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		220	290	250	300	270



Sub-Matrix: WATER				Sample ID	W4/ME/M/ REPLICATE 1	W4/ME/M/ REPLICATE 2	W4/ME/B/ REPLICATE 1	W4/ME/B/ REPLICATE 2	W8/ME/S/ REPLICATE 1
Sampling date / time				02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit	HK2425414-021	HK2425414-022	HK2425414-023	HK2425414-024	HK2425414-025	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	5	4	7	8	7	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.05	0.06	0.04	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.56	1.53	1.52	1.49	1.52	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.61	1.57	1.57	1.55	1.56	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	---	0.4	---	---	---	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	---	0.2	0.2	0.2	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.8	1.9	1.8	1.8	1.8	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.61	1.57	1.57	1.55	1.56	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	<0.01	0.04	0.04	0.04	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	200	260	300	210	390	



Sub-Matrix: WATER				Sample ID	W8/ME/S/ REPLICATE 2	W8/ME/M/ REPLICATE 1	W8/ME/M/ REPLICATE 2	W8/ME/B/ REPLICATE 1	W8/ME/B/ REPLICATE 2
Sampling date / time					02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-026	HK2425414-027	HK2425414-028	HK2425414-029	HK2425414-030
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	8	6	5	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.52	1.50	1.44	1.52	1.48
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.56	1.54	1.48	1.56	1.54
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		---	---	---	0.2	0.2
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.3	0.3	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.8	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.56	1.54	1.48	1.56	1.54
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		420	450	530	460	210



Sub-Matrix: WATER				Sample ID	W7/ME/S/ REPLICATE 1	W7/ME/S/ REPLICATE 2	W7/ME/B/ REPLICATE 1	W7/ME/B/ REPLICATE 2	W6/ME/S/ REPLICATE 1
Sampling date / time				02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit	HK2425414-031	HK2425414-032	HK2425414-035	HK2425414-036	HK2425414-037	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	8	8	8	8	8	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.05	0.05	0.05	0.05	0.05	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.50	1.55	1.47	1.48	1.55	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.54	1.60	1.53	1.53	1.60	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	0.2	---	---	0.2	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	---	---	0.2	0.2	---	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.8	1.8	1.7	1.8	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.54	1.60	1.53	1.53	1.60	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.04	0.05	0.04	0.04	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	180	160	390	570	320	



Sub-Matrix: WATER				Sample ID	W6/ME/S/ REPLICATE 2	W6/ME/M/ REPLICATE 1	W6/ME/M/ REPLICATE 2	W6/ME/B/ REPLICATE 1	W6/ME/B/ REPLICATE 2
Sampling date / time					02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-038	HK2425414-039	HK2425414-040	HK2425414-041	HK2425414-042
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	8	14	8	8
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.04	0.04	0.03	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.48	1.50	1.52	1.57	1.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.53	1.53	1.56	1.60	1.55
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	---	0.2	---	0.2
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		---	0.2	---	0.2	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.7	1.8	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.53	1.53	1.56	1.60	1.55
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.05	0.05	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		260	420	560	190	270



Sub-Matrix: WATER				Sample ID	W3/ME/S/ REPLICATE 1	W3/ME/S/ REPLICATE 2	W3/ME/M/ REPLICATE 1	W3/ME/M/ REPLICATE 2	W3/ME/B/ REPLICATE 1
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-043	HK2425414-044	HK2425414-045	HK2425414-046	HK2425414-047
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	8	8	8	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.05	0.04	0.06	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.50	1.48	1.57	1.53	1.57
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.55	1.53	1.61	1.59	1.62
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.4	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.9	2.0	1.9	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.55	1.53	1.61	1.59	1.62
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.06	0.05	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		240	290	420	370	570



Sub-Matrix: WATER				Sample ID	W3/ME/B/ REPLICATE 2	DB1/ME/M/ REPLICATE 1	DB1/ME/M/ REPLICATE 2	E24/ME/M/ REPLICATE 1	E24/ME/M/ REPLICATE 2
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-048	HK2425414-051	HK2425414-052	HK2425414-057	HK2425414-058
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	54	56	54	56
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	3.76	3.63	3.40	3.70
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.18	0.18	0.17	0.19
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.47	0.52	0.53	0.54	0.51
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.53	0.70	0.71	0.71	0.70
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	5.4	5.2	5.4	5.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	6.1	5.9	6.1	6.1
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.53	4.46	4.34	4.12	4.41
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.78	0.78	0.77	0.77
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	6	6	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		510	24000	29000	6000	7300



Sub-Matrix: WATER				Sample ID	E27/ME/M/ REPLICATE 1	E27/ME/M/ REPLICATE 2	E25/ME/M/ REPLICATE 1	E25/ME/M/ REPLICATE 2	E26/ME/S/ REPLICATE 1
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-063	HK2425414-064	HK2425414-069	HK2425414-070	HK2425414-073
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		54	56	62	62	55
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.93	3.93	4.12	4.05	3.74
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.18	0.17	0.20	0.19
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.53	0.53	0.53	0.50	0.51
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.72	0.71	0.71	0.70	0.70
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		5.4	5.4	5.5	5.5	5.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		6.1	6.2	6.2	6.2	6.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.65	4.64	4.82	4.74	4.44
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.79	0.78	0.78	0.77	0.78
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		5	4	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		20000	25000	27000	21000	42000



Sub-Matrix: WATER				Sample ID	E26/ME/S/ REPLICATE 2	E26/ME/B/ REPLICATE 1	E26/ME/B/ REPLICATE 2	KT1/ME/M/ REPLICATE 1	KT1/ME/M/ REPLICATE 2
Sampling date / time					02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-074	HK2425414-077	HK2425414-078	HK2425414-081	HK2425414-082
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		56	54	53	55	54
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		4.42	4.10	4.04	4.03	3.86
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.18	0.18	0.17	0.18
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.53	0.51	0.55	0.54	0.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.72	0.69	0.72	0.72	0.68
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		5.4	5.4	5.3	5.4	5.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		6.1	6.1	6.0	6.1	6.1
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		5.13	4.79	4.76	4.74	4.54
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.79	0.77	0.81	0.79	0.78
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		37000	53000	48000	14000	10000



Sub-Matrix: WATER				Sample ID	E28/ME/M/ REPLICATE 1	E28/ME/M/ REPLICATE 2	SP1/ME/M/ REPLICATE 1	SP1/ME/M/ REPLICATE 2	W5/MF/S/ REPLICATE 1
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-087	HK2425414-088	HK2425414-093	HK2425414-094	HK2425414-097
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		50	52	61	58	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		4.18	3.17	4.02	3.37	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.20	0.19	0.19	0.19	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.51	0.52	0.54	0.51	1.37
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.72	0.71	0.72	0.70	1.42
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		5.2	5.4	5.5	5.5	0.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.9	6.1	6.2	6.2	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.90	3.88	4.74	4.08	1.42
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.79	0.78	0.79	0.78	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	4	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		23000	35000	37000	42000	180



Sub-Matrix: WATER				Sample ID	W5/MF/S/ REPLICATE 2	W5/MF/M/ REPLICATE 1	W5/MF/M/ REPLICATE 2	W5/MF/B/ REPLICATE 1	W5/MF/B/ REPLICATE 2
Sampling date / time					02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-098	HK2425414-099	HK2425414-100	HK2425414-101	HK2425414-102
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	6	5	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.44	1.50	1.49	1.50	1.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.48	1.54	1.54	1.54	1.54
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.3	0.4	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.48	1.54	1.54	1.54	1.54
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.05	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		250	570	620	430	320



Sub-Matrix: WATER				Sample ID	W1/MF/S/ REPLICATE 1	W1/MF/S/ REPLICATE 2	W1/MF/M/ REPLICATE 1	W1/MF/M/ REPLICATE 2	W1/MF/B/ REPLICATE 1
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-103	HK2425414-104	HK2425414-105	HK2425414-106	HK2425414-107
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	6	4	4	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	0.01	0.02	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.05	0.06	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.49	1.48	1.46	1.40	1.31
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.54	1.53	1.52	1.45	1.35
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.3	0.4	0.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.54	1.53	1.53	1.46	1.35
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.02	0.06	0.06	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		200	160	200	250	800



Sub-Matrix: WATER				Sample ID	W1/MF/B/ REPLICATE 2	W2/MF/S/ REPLICATE 1	W2/MF/S/ REPLICATE 2	W2/MF/M/ REPLICATE 1	W2/MF/M/ REPLICATE 2
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-108	HK2425414-109	HK2425414-110	HK2425414-111	HK2425414-112
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	4	3	6	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.06	0.05	0.05	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.39	1.39	1.39	1.42	1.39
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.44	1.45	1.44	1.47	1.45
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.4	0.3	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.44	1.45	1.44	1.47	1.45
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.04	0.06	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		800	340	390	340	270



Sub-Matrix: WATER				Sample ID	W2/MF/B/ REPLICATE 1	W2/MF/B/ REPLICATE 2	W4/MF/S/ REPLICATE 1	W4/MF/S/ REPLICATE 2	W4/MF/M/ REPLICATE 1
Sampling date / time					02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-113	HK2425414-114	HK2425414-115	HK2425414-116	HK2425414-117
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	5	5	<2	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.04	0.05	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.43	1.48	1.46	1.47	1.49
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.48	1.52	1.50	1.51	1.53
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.9	1.8	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.48	1.53	1.50	1.51	1.53
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.15	0.16	0.16	0.15	0.16
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		270	340	780	420	300



Sub-Matrix: WATER				Sample ID	W4/MF/M/ REPLICATE 2	W4/MF/B/ REPLICATE 1	W4/MF/B/ REPLICATE 2	W8/MF/S/ REPLICATE 1	W8/MF/S/ REPLICATE 2
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-118	HK2425414-119	HK2425414-120	HK2425414-121	HK2425414-122
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	3	4	8	7
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.04	0.04	0.03	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.47	1.50	1.50	1.54	1.49
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.52	1.54	1.54	1.58	1.53
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.4	0.3	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.52	1.54	1.54	1.58	1.53
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.17	0.16	0.15	0.16	0.15
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		220	520	420	410	330



Sub-Matrix: WATER				Sample ID	W8/MF/M/ REPLICATE 1	W8/MF/M/ REPLICATE 2	W8/MF/B/ REPLICATE 1	W8/MF/B/ REPLICATE 2	W7/MF/S/ REPLICATE 1
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-123	HK2425414-124	HK2425414-125	HK2425414-126	HK2425414-127
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		7	8	6	7	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.05	0.06	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.49	1.46	1.50	1.51	1.55
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.53	1.51	1.56	1.56	1.59
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	2.0	2.0	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.53	1.51	1.56	1.56	1.59
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.16	0.16	0.14	0.16	0.17
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		310	350	170	210	200



Sub-Matrix: WATER				Sample ID	W7/MF/S/ REPLICATE 2	W7/MF/B/ REPLICATE 1	W7/MF/B/ REPLICATE 2	W6/MF/S/ REPLICATE 1	W6/MF/S/ REPLICATE 2
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-128	HK2425414-131	HK2425414-132	HK2425414-133	HK2425414-134
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	7	3	5	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.54	1.48	1.48	1.49	1.48
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.57	1.52	1.52	1.53	1.52
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	1.9	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.57	1.52	1.52	1.53	1.52
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.16	0.16	0.17	0.16	0.16
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		260	370	430	220	180



Sub-Matrix: WATER				Sample ID	W6/MF/M/ REPLICATE 1	W6/MF/M/ REPLICATE 2	W6/MF/B/ REPLICATE 1	W6/MF/B/ REPLICATE 2	W3/MF/S/ REPLICATE 1
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-135	HK2425414-136	HK2425414-137	HK2425414-138	HK2425414-139
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	6	6	9	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.47	1.47	1.48	1.48	1.47
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.51	1.50	1.52	1.52	1.52
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.51	1.50	1.52	1.52	1.52
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.16	0.16	0.17	0.16	0.16
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		160	200	510	670	570



Sub-Matrix: WATER				Sample ID	W3/MF/S/ REPLICATE 2	W3/MF/M/ REPLICATE 1	W3/MF/M/ REPLICATE 2	W3/MF/B/ REPLICATE 1	W3/MF/B/ REPLICATE 2
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-140	HK2425414-141	HK2425414-142	HK2425414-143	HK2425414-144
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	6	5	4	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.05	0.05	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.46	1.48	1.44	1.45	1.54
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.51	1.53	1.50	1.50	1.58
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.51	1.53	1.50	1.50	1.58
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.16	0.16	0.17	0.16	0.16
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		380	410	350	430	370



Sub-Matrix: WATER				Sample ID	DB1/MF/M/ REPLICATE 1	DB1/MF/M/ REPLICATE 2	E24/MF/M/ REPLICATE 1	E24/MF/M/ REPLICATE 2	E27/MF/M/ REPLICATE 1
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-147	HK2425414-148	HK2425414-153	HK2425414-154	HK2425414-159
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		52	52	44	47	50
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.74	3.77	4.03	3.70	4.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.17	0.18	0.20	0.20	0.20
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.52	0.51	0.50	0.50	0.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.69	0.70	0.71	0.70	0.70
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		5.5	5.4	5.2	5.5	5.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		6.2	6.2	5.9	6.2	6.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.44	4.47	4.73	4.40	4.72
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.89	0.90	0.91	0.88	0.87
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		5	6	5	6	6
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		37000	45000	27000	32000	17000



Sub-Matrix: WATER				Sample ID	E27/MF/M/ REPLICATE 2	E25/MF/M/ REPLICATE 1	E25/MF/M/ REPLICATE 2	E26/MF/S/ REPLICATE 1	E26/MF/S/ REPLICATE 2
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-160	HK2425414-165	HK2425414-166	HK2425414-169	HK2425414-170
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		48	54	48	52	54
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.60	3.65	4.20	4.13	4.04
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.18	0.16	0.17	0.17
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.53	0.50	0.52	0.51	0.51
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.71	0.68	0.68	0.68	0.68
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		5.2	5.0	5.1	5.1	5.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		6.0	5.7	5.8	5.8	5.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.30	4.33	4.88	4.80	4.72
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.88	0.93	0.89	0.89	0.91
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		6	5	5	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		29000	32000	37000	45000	31000



Sub-Matrix: WATER				Sample ID	E26/MF/B/ REPLICATE 1	E26/MF/B/ REPLICATE 2	KT1/MF/M/ REPLICATE 1	KT1/MF/M/ REPLICATE 2	E28/MF/M/ REPLICATE 1
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024	02-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425414-173	HK2425414-174	HK2425414-177	HK2425414-178	HK2425414-183
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		56	46	46	57	57
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.84	3.85	3.51	3.70	3.76
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.19	0.17	0.18	0.18
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.50	0.49	0.51	0.50	0.51
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.68	0.68	0.68	0.68	0.68
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		5.3	5.3	5.1	5.0	5.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		6.0	6.0	5.8	5.7	5.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.52	4.53	4.19	4.38	4.45
EK067P: Total Phosphorus as P	----	0.01	mg/L		1.04	1.05	1.03	1.03	1.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		5	4	5	5	6
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		37000	33000	44000	27000	36000



Sub-Matrix: WATER				Sample ID	E28/MF/M/ REPLICATE 2	SP1/MF/M/ REPLICATE 1	SP1/MF/M/ REPLICATE 2	---	---
				Sampling date / time	02-Jul-2024	02-Jul-2024	02-Jul-2024	----	----
Compound	CAS Number	LOR	Unit		HK2425414-184	HK2425414-189	HK2425414-190	-----	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		55	47	34	---	---
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.66	3.80	3.63	---	---
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.17	0.19	0.18	---	---
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.50	0.48	0.45	---	---
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.67	0.67	0.63	---	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.8	4.8	5.0	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.5	5.5	5.6	---	---
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.34	4.47	4.26	---	---
EK067P: Total Phosphorus as P	----	0.01	mg/L		1.00	1.00	1.02	---	---
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		6	5	6	---	---
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		47000	36000	43000	---	---

----- END OF REPORT -----

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5899451)								
HK2425414-001	W5/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	7	0.0
HK2425414-011	W1/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5899452)								
HK2425414-021	W4/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	5	5	0.0
HK2425414-031	W7/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	8	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5899453)								
HK2425414-043	W3/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	8	9	0.0
HK2425414-063	E27/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	54	54	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5899454)								
HK2425414-087	E28/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	50	48	4.2
HK2425414-103	W1/MF/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5899455)								
HK2425414-113	W2/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	5	0.0
HK2425414-123	W8/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	7	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5899456)								
HK2425414-135	W6/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	6	0.0
HK2425414-147	DB1/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	52	51	2.5
EA/ED: Physical and Aggregate Properties (QC Lot: 5899457)								
HK2425414-173	E26/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	56	57	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899500)								
HK2425414-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899501)								
HK2425414-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.57	1.48	5.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899502)								
HK2425414-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899503)								
HK2425414-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.61	1.60	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899504)								

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899504) - Continued								
HK2425414-043	W3/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899505)								
HK2425414-043	W3/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.55	1.53	1.1
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899506)								
HK2425414-087	E28/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.20	0.20	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899507)								
HK2425414-087	E28/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.72	0.70	2.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899508)								
HK2425414-113	W2/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899509)								
HK2425414-113	W2/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.48	1.38	7.1
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899510)								
HK2425414-135	W6/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899511)								
HK2425414-135	W6/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.51	1.50	0.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899512)								
HK2425414-173	E26/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.18	0.18	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899513)								
HK2425414-173	E26/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.68	0.67	1.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899582)								
HK2425414-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899583)								
HK2425414-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899584)								
HK2425414-043	W3/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899585)								
HK2425414-087	E28/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	4.18	3.90	6.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899586)								
HK2425414-113	W2/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899587)								
HK2425414-135	W6/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899588)								



Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899588) - Continued								
HK2425414-173	E26/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	3.84	3.70	3.7
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903314)								
HK2425414-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.8	1.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903315)								
HK2425414-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.04	24.3
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903316)								
HK2425414-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.8	1.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903317)								
HK2425414-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903318)								
HK2425414-043	W3/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903319)								
HK2425414-043	W3/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903320)								
HK2425414-087	E28/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	5.9	6.2	4.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903321)								
HK2425414-087	E28/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.79	0.78	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903322)								
HK2425414-113	W2/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.8	1.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903323)								
HK2425414-113	W2/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.15	0.16	6.5
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903324)								
HK2425414-135	W6/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.9	1.9	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903325)								
HK2425414-135	W6/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.16	0.17	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903326)								
HK2425414-173	E26/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	6.0	5.9	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903327)								
HK2425414-173	E26/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	1.04	1.03	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QC Lot: 5899451)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	100	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5899452)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	99.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5899453)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	98.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5899454)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	94.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5899455)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	106	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5899456)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	91.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5899457)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	93.0	----	85.7	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899500)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	85.2	----	78.8	120	----	----
					<0.01	0.4 mg/L	107	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899501)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	95.2	----	86.0	124	----	----
					<0.01	0.4 mg/L	98.8	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899502)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	94.0	----	78.8	120	----	----
					<0.01	0.4 mg/L	109	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899503)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	93.8	----	86.0	124	----	----
					<0.01	0.4 mg/L	100	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899504)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	100	----	78.8	120	----	----
					<0.01	0.4 mg/L	107	----	94.5	112	----	----

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899505)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	99.2	----	86.0	124	----	----
					<0.01	0.4 mg/L	98.2	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899506)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	96.4	----	78.8	120	----	----
					<0.01	0.4 mg/L	112	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899507)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	94.8	----	86.0	124	----	----
					<0.01	0.4 mg/L	97.2	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899508)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	99.4	----	78.8	120	----	----
					<0.01	0.4 mg/L	110	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899509)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	97.0	----	86.0	124	----	----
					<0.01	0.4 mg/L	97.2	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899510)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	96.4	----	78.8	120	----	----
					<0.01	0.4 mg/L	108	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899511)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	96.8	----	86.0	124	----	----
					<0.01	0.4 mg/L	98.7	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899512)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	95.0	----	78.8	120	----	----
					<0.01	0.4 mg/L	110	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899513)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	99.8	----	86.0	124	----	----
					<0.01	0.4 mg/L	98.5	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899582)												
EK055K: Ammonia as N		7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	91.4	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899583)												

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899583) - Continued											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	93.0	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899584)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	101	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899585)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	99.6	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899586)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	103	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899587)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	102	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899588)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	104	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903314)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	98.3	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903315)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	98.5	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903316)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	93.5	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903317)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	97.7	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903318)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	111	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903319)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	102	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903320)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	115	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903321)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	99.4	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903322)											



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903322) - Continued												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	114	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903323)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	103	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903324)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	113	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903325)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	99.2	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903326)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	109	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903327)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	101	----	93.1	103	----	----
EP: Aggregate Organics (QC Lot: 5900019)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	94.7	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5900469)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	95.0	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5900470)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	94.8	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5900471)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	90.9	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5900472)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	94.5	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5900473)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	101	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5900474)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	96.2	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5900475)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	96.2	----	77.6	118	----	----



Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899500)										
HK2425414-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	116	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899501)										
HK2425414-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	88.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899502)										
HK2425414-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	110	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899503)										
HK2425414-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899504)										
HK2425414-043	W3/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	112	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899505)										
HK2425414-043	W3/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	80.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899506)										
HK2425414-087	E28/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	108	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899507)										
HK2425414-087	E28/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899508)										
HK2425414-113	W2/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	118	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899509)										
HK2425414-113	W2/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	83.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899510)										
HK2425414-135	W6/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	109	----	75.0	125	----	----



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899511)										
HK2425414-135	W6/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	95.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899512)										
HK2425414-173	E26/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	114	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899513)										
HK2425414-173	E26/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899582)										
HK2425414-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	82.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899583)										
HK2425414-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	83.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899584)										
HK2425414-043	W3/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	79.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899585)										
HK2425414-087	E28/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	88.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899586)										
HK2425414-113	W2/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	78.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899587)										
HK2425414-135	W6/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	86.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5899588)										
HK2425414-173	E26/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	97.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903314)										
HK2425414-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903315)										
HK2425414-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	94.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903316)										
HK2425414-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	96.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903317)										
HK2425414-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	91.8	----	75.0	125	----	----



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number		MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903318)										
HK2425414-043	W3/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	89.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903319)										
HK2425414-043	W3/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	96.9	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903320)										
HK2425414-087	E28/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	5 mg/L	113	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903321)										
HK2425414-087	E28/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	97.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903322)										
HK2425414-113	W2/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903323)										
HK2425414-113	W2/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	94.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903324)										
HK2425414-135	W6/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	107	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903325)										
HK2425414-135	W6/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	92.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903326)										
HK2425414-173	E26/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	5 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5903327)										
HK2425414-173	E26/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	124	----	75.0	125	----	----



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 39
Contact	: BACKY KWOK	Contact	: Richard Fung	Work Order	: HK2425895
Address	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Backy_0807@yahoo.com.hk	E-mail	: richard.fung@alsglobal.com		
Telephone	: ---	Telephone	: +852 2610 1044		
Facsimile	: ---	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 04-Jul-2024
Order number	: ---	Quote number	: HKE/1756/2024_V2	Issue Date	: 18-Jul-2024
C-O-C number	: ---			No. of samples received	: 132
Site	: ---			No. of samples analysed	: 132

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This document has been signed by those names that appear on this report and are the authorised signatories.

<i>Signatories</i>	<i>Position</i>	<i>Authorised results for</i>
		
Fung Lim Chee, Richard	Managing Director	Inorganics
		
Ng Sin Kou, May	Laboratory Manager	Microbiology_ENV



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 04-Jul-2024 to 18-Jul-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2425895

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.

Microbiological sample(s) was/ were collected in 125mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 18:45.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

EK061P - Total Kjeldahl Nitrogen is the difference of Total Nitrogen and Total Oxidizable Nitrogen.

EK063A - Total Inorganic Nitrogen is the sum of the Total Oxidizable Nitrogen and Ammonical Nitrogen.



Analytical Results

Sub-Matrix: WATER

Sample ID

Sampling date / time

				W5/ME/S/ REPLICATE 1	W5/ME/S/ REPLICATE 2	W5/ME/M/ REPLICATE 1	W5/ME/M/ REPLICATE 2	W5/ME/B/ REPLICATE 1
				04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit	HK2425895-001	HK2425895-002	HK2425895-003	HK2425895-004	HK2425895-005
EA/ED: Physical and Aggregate Properties								
EA025: Suspended Solids (SS)	----	2	mg/L	5	5	<2	7	8
ED/EK: Inorganic Nonmetallic Parameters								
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.04	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.55	1.57	1.56	1.59	1.57
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.59	1.61	1.60	1.64	1.61
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.4	0.3	0.3	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L	2.0	1.9	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.61	1.61	1.60	1.64	1.61
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.04	0.04	0.05	0.04
EP: Aggregate Organics								
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2
EM: Microbiological Testing								
EM019: Escherichia coli	----	1	CFU/100mL	52	74	36	29	100



Sub-Matrix: WATER				Sample ID	W5/ME/B/ REPLICATE 2	W1/ME/S/ REPLICATE 1	W1/ME/S/ REPLICATE 2	W1/ME/M/ REPLICATE 1	W1/ME/M/ REPLICATE 2
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-006	HK2425895-007	HK2425895-008	HK2425895-009	HK2425895-010
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	7	8	6	7
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.05	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.59	1.58	1.54	1.53	1.57
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.64	1.62	1.59	1.57	1.62
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.3	0.2	0.5	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	1.9	1.8	2.1	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.64	1.62	1.59	1.57	1.62
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.05	0.04	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		150	120	160	91	85



Sub-Matrix: WATER				Sample ID	W1/ME/B/ REPLICATE 1	W1/ME/B/ REPLICATE 2	W2/ME/S/ REPLICATE 1	W2/ME/S/ REPLICATE 2	W2/ME/M/ REPLICATE 1
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-011	HK2425895-012	HK2425895-013	HK2425895-014	HK2425895-015
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		9	9	9	9	9
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.03	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.53	1.57	1.56	1.58	1.55
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.58	1.61	1.60	1.61	1.58
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.6	0.4	0.5	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	2.2	2.0	2.1	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.58	1.61	1.60	1.61	1.58
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.05	0.06	0.06	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		180	220	100	130	45



Sub-Matrix: WATER				Sample ID	W2/ME/M/ REPLICATE 2	W2/ME/B/ REPLICATE 1	W2/ME/B/ REPLICATE 2	W4/ME/S/ REPLICATE 1	W4/ME/S/ REPLICATE 2
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-016	HK2425895-017	HK2425895-018	HK2425895-019	HK2425895-020
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	8	8	16	15
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.05	0.04	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.57	1.53	1.52	1.53	1.49
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.61	1.57	1.56	1.58	1.53
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.4	0.4	0.4	0.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	2.0	2.0	2.0	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.61	1.57	1.56	1.58	1.53
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.04	0.05	0.04	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		57	33	42	110	90



Sub-Matrix: WATER				Sample ID	W4/ME/M/ REPLICATE 1	W4/ME/M/ REPLICATE 2	W4/ME/B/ REPLICATE 1	W4/ME/B/ REPLICATE 2	W8/ME/S/ REPLICATE 1
Sampling date / time					04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-021	HK2425895-022	HK2425895-023	HK2425895-024	HK2425895-025
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		12	14	15	9	16
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.52	1.50	1.57	1.53	1.52
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.56	1.55	1.61	1.58	1.57
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.3	0.3	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	2.0	1.9	1.9	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.56	1.55	1.61	1.58	1.57
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.06	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		75	90	43	49	120



Sub-Matrix: WATER				Sample ID	W8/ME/S/ REPLICATE 2	W8/ME/M/ REPLICATE 1	W8/ME/M/ REPLICATE 2	W8/ME/B/ REPLICATE 1	W8/ME/B/ REPLICATE 2
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-026	HK2425895-027	HK2425895-028	HK2425895-029	HK2425895-030
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		17	17	18	18	18
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.05	0.04	0.02	0.02
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.51	1.53	1.55	1.67	1.63
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.56	1.58	1.60	1.69	1.65
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.5	0.3	0.3	0.6
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	2.1	1.9	2.0	2.2
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.56	1.58	1.60	1.69	1.65
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.06	0.04	0.05	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		150	100	80	100	90



Sub-Matrix: WATER				Sample ID	W7/ME/S/ REPLICATE 1	W7/ME/S/ REPLICATE 2	W7/ME/M/ REPLICATE 1	W7/ME/M/ REPLICATE 2	W7/ME/B/ REPLICATE 1
Sampling date / time					04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-031	HK2425895-032	HK2425895-033	HK2425895-034	HK2425895-035
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		16	16	16	18	18
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.05	0.02	0.03	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.52	1.53	1.61	1.54	1.52
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.56	1.58	1.64	1.57	1.56
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.3	0.4	0.4	0.6
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	2.0	2.0	2.2
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.56	1.58	1.64	1.57	1.56
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.05	0.07	0.07
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		84	76	90	110	80



Sub-Matrix: WATER				Sample ID	W7/ME/B/ REPLICATE 2	W6/ME/S/ REPLICATE 1	W6/ME/S/ REPLICATE 2	W6/ME/M/ REPLICATE 1	W6/ME/M/ REPLICATE 2
Sampling date / time					04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-036	HK2425895-037	HK2425895-038	HK2425895-039	HK2425895-040
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		18	16	18	16	13
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.02	0.02	0.02	0.02
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.51	1.64	1.62	1.66	1.64
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.55	1.66	1.65	1.68	1.67
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.7	0.4	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.2	2.0	2.0	2.1	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.55	1.66	1.65	1.68	1.67
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.08	0.04	0.05	0.06	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		90	100	120	81	72



Sub-Matrix: WATER				Sample ID	W6/ME/B/ REPLICATE 1	W6/ME/B/ REPLICATE 2	W3/ME/S/ REPLICATE 1	W3/ME/S/ REPLICATE 2	W3/ME/M/ REPLICATE 1
Sampling date / time					04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit	HK2425895-041	HK2425895-042	HK2425895-043	HK2425895-044	HK2425895-045	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	14	14	7	8	8	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.03	0.04	0.04	0.04	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.62	1.64	1.50	1.51	1.53	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.67	1.67	1.54	1.56	1.57	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.3	0.4	0.3	0.4	0.2	
EK062P: Total Nitrogen as N	----	0.1	mg/L	2.0	2.0	1.9	1.9	1.8	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.67	1.67	1.54	1.56	1.57	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.05	0.06	0.05	0.05	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	61	50	44	36	80	



Sub-Matrix: WATER				Sample ID	W3/ME/M/ REPLICATE 2	W3/ME/B/ REPLICATE 1	W3/ME/B/ REPLICATE 2	DB1/ME/M/ REPLICATE 1	DB1/ME/M/ REPLICATE 2
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-046	HK2425895-047	HK2425895-048	HK2425895-051	HK2425895-052
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	8	8	77	75
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.03	0.20	0.21
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.53	1.52	1.53	1.64	1.61
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.57	1.56	1.56	1.85	1.82
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.3	0.9	0.9
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.9	1.9	2.8	2.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.57	1.56	1.56	1.85	1.82
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.04	0.05	0.47	0.45
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	3	2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		100	30	38	130	100



Sub-Matrix: WATER				Sample ID	E24/ME/M/ REPLICATE 1	E24/ME/M/ REPLICATE 2	E27/ME/M/ REPLICATE 1	E27/ME/M/ REPLICATE 2	E25/ME/M/ REPLICATE 1
Sampling date / time					04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit	HK2425895-057	HK2425895-058	HK2425895-063	HK2425895-064	HK2425895-069	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	87	102	74	77	66	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	3.56	3.78	3.48	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.21	0.19	0.19	0.20	0.18	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.60	1.61	0.78	0.78	0.78	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.81	1.80	0.97	0.98	0.96	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.9	1.0	4.4	4.4	4.4	
EK062P: Total Nitrogen as N	----	0.1	mg/L	2.7	2.8	5.3	5.4	5.3	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.81	1.80	4.53	4.76	4.44	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.49	0.46	0.82	0.90	0.81	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	3	3	5	6	6	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	100	80	19000	25000	32000	



Sub-Matrix: WATER				Sample ID	E25/ME/M/ REPLICATE 2	E26/ME/S/ REPLICATE 1	E26/ME/S/ REPLICATE 2	E26/ME/B/ REPLICATE 1	E26/ME/B/ REPLICATE 2
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-070	HK2425895-073	HK2425895-074	HK2425895-077	HK2425895-078
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		76	76	73	77	77
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.51	3.88	3.57	3.79	3.87
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.19	0.20	0.18	0.18
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.79	0.79	0.78	0.80	0.76
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.97	0.98	0.97	0.98	0.95
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.4	4.4	4.4	4.4	4.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.4	5.3	5.4	5.4	5.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.49	4.86	4.54	4.77	4.82
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.82	0.81	0.80	0.86	0.81
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		6	5	6	6	6
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		40000	42000	45000	31000	40000



Sub-Matrix: WATER				Sample ID	KT1/ME/M/ REPLICATE 1	KT1/ME/M/ REPLICATE 2	E28/ME/M/ REPLICATE 1	E28/ME/M/ REPLICATE 2	SP1/ME/M/ REPLICATE 1
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-081	HK2425895-082	HK2425895-087	HK2425895-088	HK2425895-093
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		62	79	84	75	79
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.89	3.89	4.10	3.71	3.76
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.21	0.17	0.20	0.16
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.80	0.76	0.79	0.77	0.80
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.97	0.97	0.96	0.98	0.96
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.9	4.5	4.5	4.5	4.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.9	5.4	5.5	5.5	5.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.86	4.86	5.07	4.69	4.72
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.84	0.87	0.88	0.99	0.85
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		6	6	6	7	5
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		46000	34000	45000	49000	30000



Sub-Matrix: WATER				Sample ID	SP1/ME/M/ REPLICATE 2	W5/MF/S/ REPLICATE 1	W5/MF/S/ REPLICATE 2	W5/MF/M/ REPLICATE 1	W5/MF/M/ REPLICATE 2
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-094	HK2425895-097	HK2425895-098	HK2425895-099	HK2425895-100
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		78	8	8	8	7
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.78	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.17	0.03	0.03	0.02	0.02
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.81	1.57	1.57	1.51	1.57
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.98	1.60	1.60	1.53	1.60
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.4	0.4	0.4	0.5	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.4	2.0	2.0	2.0	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.75	1.60	1.60	1.53	1.60
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.94	0.05	0.05	0.05	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		6	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		25000	130	100	51	43



Sub-Matrix: WATER				Sample ID	W5/MF/B/ REPLICATE 1	W5/MF/B/ REPLICATE 2	W1/MF/S/ REPLICATE 1	W1/MF/S/ REPLICATE 2	W1/MF/M/ REPLICATE 1
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-101	HK2425895-102	HK2425895-103	HK2425895-104	HK2425895-105
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	8	11	7	8
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.05	0.04	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.42	1.50	1.51	1.38	1.44
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.46	1.56	1.54	1.42	1.47
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.4	0.5	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.46	1.56	1.54	1.42	1.47
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		140	110	80	100	180



Sub-Matrix: WATER				Sample ID	W1/MF/M/ REPLICATE 2	W1/MF/B/ REPLICATE 1	W1/MF/B/ REPLICATE 2	W2/MF/S/ REPLICATE 1	W2/MF/S/ REPLICATE 2
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-106	HK2425895-107	HK2425895-108	HK2425895-109	HK2425895-110
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		10	10	8	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.56	1.47	1.43	1.51	1.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.59	1.51	1.47	1.55	1.53
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.5	0.4	0.7	0.4	0.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.1	2.0	2.1	2.0	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.59	1.51	1.47	1.55	1.53
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		130	63	75	78	84



Sub-Matrix: WATER				Sample ID	W2/MF/M/ REPLICATE 1	W2/MF/M/ REPLICATE 2	W2/MF/B/ REPLICATE 1	W2/MF/B/ REPLICATE 2	W4/MF/S/ REPLICATE 1
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-111	HK2425895-112	HK2425895-113	HK2425895-114	HK2425895-115
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	6	4	4	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.04	0.03	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.42	1.49	1.49	1.49	1.51
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.48	1.54	1.53	1.53	1.54
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.5	0.4	0.6	0.4	0.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	2.1	1.9	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.48	1.54	1.53	1.53	1.54
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		16	19	60	52	84



Sub-Matrix: WATER				Sample ID	W4/MF/S/ REPLICATE 2	W4/MF/M/ REPLICATE 1	W4/MF/M/ REPLICATE 2	W4/MF/B/ REPLICATE 1	W4/MF/B/ REPLICATE 2
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-116	HK2425895-117	HK2425895-118	HK2425895-119	HK2425895-120
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	5	5	6	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.02	0.02	0.02	0.02	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.58	1.59	1.59	1.57	1.60
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.61	1.61	1.61	1.59	1.63
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.5	0.4	0.3	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.1	2.0	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.61	1.61	1.61	1.59	1.63
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		72	100	80	32	25



Sub-Matrix: WATER				Sample ID	W8/MF/S/ REPLICATE 1	W8/MF/S/ REPLICATE 2	W8/MF/M/ REPLICATE 1	W8/MF/M/ REPLICATE 2	W8/MF/B/ REPLICATE 1
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-121	HK2425895-122	HK2425895-123	HK2425895-124	HK2425895-125
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	6	5	5	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.03	0.02	0.03	0.02
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.56	1.57	1.50	1.57	1.59
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.59	1.60	1.53	1.60	1.61
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.4	0.3	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.59	1.60	1.53	1.60	1.61
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		85	75	64	55	58



Sub-Matrix: WATER				Sample ID	W8/MF/B/ REPLICATE 2	W7/MF/S/ REPLICATE 1	W7/MF/S/ REPLICATE 2	W7/MF/M/ REPLICATE 1	W7/MF/M/ REPLICATE 2
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-126	HK2425895-127	HK2425895-128	HK2425895-129	HK2425895-130
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	6	6	5	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.02	0.03	0.03	0.03	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.57	1.59	1.59	1.59	1.55
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.59	1.62	1.62	1.62	1.60
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.3	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.0	2.0	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.59	1.62	1.62	1.62	1.60
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.04	0.05	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		49	54	38	36	32



Sub-Matrix: WATER				Sample ID	W7/MF/B/ REPLICATE 1	W7/MF/B/ REPLICATE 2	W6/MF/S/ REPLICATE 1	W6/MF/S/ REPLICATE 2	W6/MF/M/ REPLICATE 1
Sampling date / time					04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit	HK2425895-131	HK2425895-132	HK2425895-133	HK2425895-134	HK2425895-135	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	6	6	13	14	14	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.05	0.06	0.05	0.05	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.58	1.54	1.50	1.48	1.50	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.62	1.59	1.56	1.53	1.54	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.6	0.3	0.3	0.3	0.3	
EK062P: Total Nitrogen as N	----	0.1	mg/L	2.2	1.9	1.8	1.8	1.9	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.62	1.59	1.56	1.53	1.54	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.04	0.04	0.03	0.03	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	57	46	74	87	36	



Sub-Matrix: WATER				Sample ID	W6/MF/M/ REPLICATE 2	W6/MF/B/ REPLICATE 1	W6/MF/B/ REPLICATE 2	W3/MF/S/ REPLICATE 1	W3/MF/S/ REPLICATE 2
Sampling date / time					04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-136	HK2425895-137	HK2425895-138	HK2425895-139	HK2425895-140
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		13	14	13	13	13
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.48	1.51	1.50	1.46	1.55
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.54	1.56	1.55	1.51	1.60
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.3	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.8	1.8	1.8	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.54	1.56	1.55	1.51	1.60
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.03	0.03	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		44	120	90	66	78



Sub-Matrix: WATER				Sample ID	W3/MF/M/ REPLICATE 1	W3/MF/M/ REPLICATE 2	W3/MF/B/ REPLICATE 1	W3/MF/B/ REPLICATE 2	DB1/MF/M/ REPLICATE 1
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-141	HK2425895-142	HK2425895-143	HK2425895-144	HK2425895-147
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		14	13	14	15	109
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.05	0.03	0.04	0.17
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.54	1.52	1.56	1.50	1.62
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.59	1.57	1.59	1.54	1.79
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.3	0.3	1.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.8	1.8	1.8	2.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.59	1.57	1.59	1.54	1.79
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.03	0.03	0.44
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	2	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		26	21	36	28	74



Sub-Matrix: WATER				Sample ID	DB1/MF/M/ REPLICATE 2	E24/MF/M/ REPLICATE 1	E24/MF/M/ REPLICATE 2	E27/MF/M/ REPLICATE 1	E27/MF/M/ REPLICATE 2
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-148	HK2425895-153	HK2425895-154	HK2425895-159	HK2425895-160
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		160	100	96	103	102
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	3.92	4.07
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.20	0.20	0.23	0.17	0.19
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.64	1.65	1.61	0.81	0.77
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.84	1.85	1.84	0.98	0.96
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.8	0.7	0.8	4.3	4.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.7	2.6	2.7	5.3	5.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.84	1.85	1.84	4.91	5.04
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.44	0.41	0.44	0.89	0.86
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		2	3	3	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		79	110	100	30000	36000



Sub-Matrix: WATER				Sample ID	E25/MF/M/ REPLICATE 1	E25/MF/M/ REPLICATE 2	E26/MF/S/ REPLICATE 1	E26/MF/S/ REPLICATE 2	E26/MF/B/ REPLICATE 1
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-165	HK2425895-166	HK2425895-169	HK2425895-170	HK2425895-173
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		91	89	70	95	80
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.74	3.90	4.02	3.98	3.94
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.22	0.17	0.17	0.21	0.22
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.78	0.81	0.81	0.78	0.75
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.00	0.98	0.98	0.99	0.98
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.8	4.2	4.4	4.3	4.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.8	5.2	5.3	5.3	5.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.74	4.88	5.00	4.98	4.92
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.86	0.86	0.80	0.85	0.85
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		6	6	6	6	6
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		28000	24000	31000	26000	27000



Sub-Matrix: WATER				Sample ID	E26/MF/B/ REPLICATE 2	KT1/MF/M/ REPLICATE 1	KT1/MF/M/ REPLICATE 2	E28/MF/M/ REPLICATE 1	E28/MF/M/ REPLICATE 2
				Sampling date / time	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024	04-Jul-2024
Compound	CAS Number	LOR	Unit		HK2425895-174	HK2425895-177	HK2425895-178	HK2425895-183	HK2425895-184
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		55	114	113	111	86
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.96	3.87	3.61	3.95	3.83
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.15	0.17	0.21	0.22
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.76	0.80	0.82	0.76	0.76
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.94	0.96	0.98	0.97	0.99
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.4	4.2	4.3	4.4	4.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.3	5.2	5.3	5.3	5.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.90	4.83	4.60	4.92	4.81
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.82	0.81	0.82	0.82	0.85
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		6	6	5	6	6
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		34000	24000	21000	32000	26000



Sub-Matrix: WATER				Sample ID	SP1/MF/M/ REPLICATE 1	SP1/MF/M/ REPLICATE 2	---	---	---
				Sampling date / time	04-Jul-2024	04-Jul-2024	---	---	---
Compound	CAS Number	LOR	Unit		HK2425895-189	HK2425895-190	-----	-----	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		87	92	---	---	---
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.84	3.90	---	---	---
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.16	0.17	---	---	---
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.81	0.82	---	---	---
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.97	1.00	---	---	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.4	4.4	---	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.4	5.4	---	---	---
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.82	4.90	---	---	---
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.81	0.84	---	---	---
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		6	6	---	---	---
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		34000	30000	---	---	---

----- END OF REPORT -----

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5906784)								
HK2425895-001	W5/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	5	5	0.0
HK2425895-011	W1/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	9	9	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5906785)								
HK2425895-021	W4/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	12	11	0.0
HK2425895-031	W7/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	16	16	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5906786)								
HK2425895-041	W6/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	14	13	0.0
HK2425895-057	E24/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	87	87	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5906787)								
HK2425895-081	KT1/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	62	64	3.0
HK2425895-101	W5/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	8	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5906788)								
HK2425895-111	W2/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	6	0.0
HK2425895-121	W8/MF/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	5	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5906789)								
HK2425895-131	W7/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	5	0.0
HK2425895-141	W3/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	14	13	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5906790)								
HK2425895-165	E25/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	91	91	0.0
HK2425895-189	SP1/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	87	85	2.3
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904892)								
HK2425895-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	2.0	1.9	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904893)								
HK2425895-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904894)								
HK2425895-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	2.0	1.9	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904895)								

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904895) - Continued								
HK2425895-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904897)								
HK2425895-041	W6/ME/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	2.0	2.0	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904898)								
HK2425895-041	W6/ME/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904900)								
HK2425895-081	KT1/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	5.9	5.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904901)								
HK2425895-081	KT1/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.84	0.82	1.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904903)								
HK2425895-111	W2/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.9	1.9	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904905)								
HK2425895-111	W2/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904906)								
HK2425895-131	W7/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	2.2	1.9	13.2
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904907)								
HK2425895-131	W7/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904908)								
HK2425895-165	E25/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	5.8	5.7	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904909)								
HK2425895-165	E25/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.86	0.86	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905079)								
HK2425895-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905080)								
HK2425895-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.59	1.52	5.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905082)								
HK2425895-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905083)								
HK2425895-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.56	1.55	0.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905084)								
HK2425895-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905085)								



Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905085) - Continued								
HK2425895-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.67	1.65	1.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905086)								
HK2425895-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.18	0.19	5.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905087)								
HK2425895-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.97	0.98	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905088)								
HK2425895-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905089)								
HK2425895-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.48	1.58	6.7
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905090)								
HK2425895-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905091)								
HK2425895-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.62	1.60	1.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905092)								
HK2425895-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.22	0.20	13.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905093)								
HK2425895-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.00	0.95	5.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905102)								
HK2425895-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.01	0.02	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905103)								
HK2425895-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905104)								
HK2425895-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905105)								
HK2425895-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	3.89	4.08	4.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905106)								
HK2425895-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905107)								
HK2425895-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905108)								
HK2425895-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	3.74	3.97	5.8



Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
Method: Compound	CAS Number										
EA/ED: Physical and Aggregate Properties (QC Lot: 5906784)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	95.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5906785)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5906786)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	104	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5906787)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5906788)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	105	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5906789)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	108	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5906790)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	89.0	----	85.7	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904892)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	103	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904893)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	96.7	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904894)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	105	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904895)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	95.8	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904897)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	104	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904898)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	94.2	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904900)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	109	----	93.4	119	----	----



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904901)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	96.4	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904903)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	110	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904905)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	100	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904906)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	107	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904907)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	94.8	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904908)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	105	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904909)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	95.6	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905079)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	105	----	78.8	120	----	----
					<0.01	0.4 mg/L	111	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905080)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	97.4	----	86.0	124	----	----
					<0.01	0.4 mg/L	108	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905082)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	103	----	78.8	120	----	----
					<0.01	0.4 mg/L	111	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905083)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	97.8	----	86.0	124	----	----
					<0.01	0.4 mg/L	97.8	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905084)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	106	----	78.8	120	----	----
					<0.01	0.4 mg/L	107	----	94.5	112	----	----

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905085)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	101	----	86.0	124	----	----
					<0.01	0.4 mg/L	99.2	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905086)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	103	----	78.8	120	----	----
					<0.01	0.4 mg/L	109	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905087)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	98.2	----	86.0	124	----	----
					<0.01	0.4 mg/L	95.8	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905088)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	85.0	----	78.8	120	----	----
					<0.01	0.4 mg/L	101	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905089)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	93.6	----	86.0	124	----	----
					<0.01	0.4 mg/L	97.0	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905090)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	111	----	78.8	120	----	----
					<0.01	0.4 mg/L	107	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905091)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	97.2	----	86.0	124	----	----
					<0.01	0.4 mg/L	98.3	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905092)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	110	----	78.8	120	----	----
					<0.01	0.4 mg/L	110	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905093)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	101	----	86.0	124	----	----
					<0.01	0.4 mg/L	98.8	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905102)												
EK055K: Ammonia as N		7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	97.8	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905103)												



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905103) - Continued											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	100	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905104)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	92.2	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905105)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	95.7	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905106)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	94.1	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905107)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	101	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905108)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	98.4	----	89.3	109	----	----
EP: Aggregate Organics (QC Lot: 5906097)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	96.4	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5906098)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	102	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5906099)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	103	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5906100)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	102	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5906101)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	101	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5906102)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	100	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5906103)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	100	----	77.6	118	----	----

Matrix: **WATER**

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904892)										
HK2425895-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	96.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904893)										
HK2425895-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	89.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904894)										
HK2425895-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	99.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904895)										
HK2425895-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	87.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904897)										
HK2425895-041	W6/ME/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	99.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904898)										
HK2425895-041	W6/ME/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	89.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904900)										
HK2425895-081	KT1/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	2.5 mg/L	105	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904901)										
HK2425895-081	KT1/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	91.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904903)										
HK2425895-111	W2/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904905)										
HK2425895-111	W2/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	87.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904906)										
HK2425895-131	W7/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	79.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904907)										
HK2425895-131	W7/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	1 mg/L	92.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904908)										
HK2425895-165	E25/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	2.5 mg/L	81.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5904909)										



Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number		MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905090) - Continued										
HK2425895-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	115	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905091)										
HK2425895-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	88.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905092)										
HK2425895-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905093)										
HK2425895-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	97.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905102)										
HK2425895-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	81.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905103)										
HK2425895-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	118	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905104)										
HK2425895-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	116	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905105)										
HK2425895-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	89.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905106)										
HK2425895-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	122	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905107)										
HK2425895-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	111	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5905108)										
HK2425895-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	111	----	75.0	125	----	----



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 40
Contact	: BACKY KWOK	Contact	: Richard Fung	Work Order	: HK2426092
Address	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
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Telephone	: ---	Telephone	: +852 2610 1044		
Facsimile	: ---	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 06-Jul-2024
Order number	: ---	Quote number	: HKE/1756/2024_V2	Issue Date	: 19-Jul-2024
C-O-C number	: ---			No. of samples received	: 132
Site	: ---			No. of samples analysed	: 132

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This document has been signed by those names that appear on this report and are the authorised signatories.

<i>Signatories</i>	<i>Position</i>	<i>Authorised results for</i>
		
Fung Lim Chee, Richard	Managing Director	Inorganics
		
Ng Sin Kou, May	Laboratory Manager	Microbiology_ENV



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 06-Jul-2024 to 19-Jul-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2426092

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.

Microbiological sample(s) was/ were collected in 125mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 20:45.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

* denoted the estimated count; Result based on a count outside of standard method's countable range.

EK061P - Total Kjeldahl Nitrogen is the difference of Total Nitrogen and Total Oxidizable Nitrogen.

EK063A - Total Inorganic Nitrogen is the sum of the Total Oxidizable Nitrogen and Ammonical Nitrogen.



Analytical Results

Sub-Matrix: WATER

Sample ID

Sampling date / time

				W5/ME/S/ REPLICATE 1	W5/ME/S/ REPLICATE 2	W5/ME/M/ REPLICATE 1	W5/ME/M/ REPLICATE 2	W5/ME/B/ REPLICATE 1
				06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit	HK2426092-001	HK2426092-002	HK2426092-003	HK2426092-004	HK2426092-005
EA/ED: Physical and Aggregate Properties								
EA025: Suspended Solids (SS)	----	2	mg/L	5	4	4	2	4
ED/EK: Inorganic Nonmetallic Parameters								
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.03	0.03	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.67	1.62	1.64	1.64	1.66
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.70	1.65	1.67	1.67	1.69
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.1	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.8	1.9	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.70	1.65	1.67	1.67	1.69
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.06	0.06	0.06	0.06	0.06
EP: Aggregate Organics								
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2
EM: Microbiological Testing								
EM019: Escherichia coli	----	1	CFU/100mL	7*	11	9	6*	9



Sub-Matrix: WATER				Sample ID	W5/ME/B/ REPLICATE 2	W1/ME/S/ REPLICATE 1	W1/ME/S/ REPLICATE 2	W1/ME/M/ REPLICATE 1	W1/ME/M/ REPLICATE 2
Sampling date / time					06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-006	HK2426092-007	HK2426092-008	HK2426092-009	HK2426092-010
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	3	2	3	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.03	0.03	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.66	1.64	1.65	1.64	1.64
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.69	1.68	1.68	1.67	1.68
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.69	1.68	1.68	1.67	1.68
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.06	0.06	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		14	6*	6*	6*	4*



Sub-Matrix: WATER				Sample ID	W1/ME/B/ REPLICATE 1	W1/ME/B/ REPLICATE 2	W2/ME/S/ REPLICATE 1	W2/ME/S/ REPLICATE 2	W2/ME/M/ REPLICATE 1
Sampling date / time				06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit	HK2426092-011	HK2426092-012	HK2426092-013	HK2426092-014	HK2426092-015	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	4	2	<2	<2	2	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.05	0.03	0.03	0.03	0.04	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.62	1.64	1.62	1.63	1.63	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.67	1.67	1.65	1.66	1.67	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	0.2	0.2	0.2	0.2	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.9	1.9	1.9	1.9	1.9	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.67	1.67	1.65	1.66	1.67	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.06	0.06	0.06	0.06	0.06	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	10	9	5*	9	8	



Sub-Matrix: WATER				Sample ID	W2/ME/M/ REPLICATE 2	W2/ME/B/ REPLICATE 1	W2/ME/B/ REPLICATE 2	W4/ME/S/ REPLICATE 1	W4/ME/S/ REPLICATE 2
Sampling date / time				06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	
Compound	CAS Number	LOR	Unit	HK2426092-016	HK2426092-017	HK2426092-018	HK2426092-019	HK2426092-020	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	3	4	5	2	6	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.03	0.04	0.03	0.04	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.66	1.66	1.64	1.66	1.66	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.70	1.70	1.68	1.69	1.70	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	0.2	0.2	0.2	0.2	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.9	1.9	1.9	1.9	1.9	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.70	1.70	1.68	1.69	1.70	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.06	0.06	0.06	0.06	0.06	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	4*	13	18	5*	4*	



Sub-Matrix: WATER				Sample ID	W4/ME/M/ REPLICATE 1	W4/ME/M/ REPLICATE 2	W4/ME/B/ REPLICATE 1	W4/ME/B/ REPLICATE 2	W8/ME/S/ REPLICATE 1
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-021	HK2426092-022	HK2426092-023	HK2426092-024	HK2426092-025
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	5	5	6	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.03	0.03	0.03	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.65	1.65	1.65	1.66	1.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.69	1.68	1.68	1.70	1.54
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.69	1.68	1.68	1.70	1.54
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.06	0.06	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		12	9	7*	3*	6*



Sub-Matrix: WATER				Sample ID	W8/ME/S/ REPLICATE 2	W8/ME/M/ REPLICATE 1	W8/ME/M/ REPLICATE 2	W8/ME/B/ REPLICATE 1	W8/ME/B/ REPLICATE 2
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-026	HK2426092-027	HK2426092-028	HK2426092-029	HK2426092-030
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	6	6	5	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.55	1.54	1.54	1.57	1.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.60	1.58	1.58	1.61	1.55
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.60	1.58	1.58	1.61	1.55
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.06	0.06	0.06	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		5*	10	4*	5*	10



Sub-Matrix: WATER				Sample ID	W7/ME/S/ REPLICATE 1	W7/ME/S/ REPLICATE 2	W7/ME/M/ REPLICATE 1	W7/ME/M/ REPLICATE 2	W7/ME/B/ REPLICATE 1
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-031	HK2426092-032	HK2426092-033	HK2426092-034	HK2426092-035
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	11	6	7	8
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.05	0.04	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.52	1.52	1.58	1.51	1.58
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.56	1.57	1.63	1.55	1.60
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.56	1.57	1.63	1.55	1.60
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.06	0.06	0.05	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		6*	7*	5*	4*	5*



Sub-Matrix: WATER				Sample ID	W7/ME/B/ REPLICATE 2	W6/ME/S/ REPLICATE 1	W6/ME/S/ REPLICATE 2	W6/ME/M/ REPLICATE 1	W6/ME/M/ REPLICATE 2
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-036	HK2426092-037	HK2426092-038	HK2426092-039	HK2426092-040
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	6	7	7	7
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.03	0.03	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.57	1.55	1.55	1.53	1.55
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.61	1.58	1.58	1.57	1.59
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.7	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.61	1.58	1.58	1.57	1.59
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		7*	6*	8	9	3*



Sub-Matrix: WATER				Sample ID	W6/ME/B/ REPLICATE 1	W6/ME/B/ REPLICATE 2	W3/ME/S/ REPLICATE 1	W3/ME/S/ REPLICATE 2	W3/ME/M/ REPLICATE 1
Sampling date / time					06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-041	HK2426092-042	HK2426092-043	HK2426092-044	HK2426092-045
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		7	7	7	6	7
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.52	1.52	1.63	1.62	1.63
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.56	1.57	1.66	1.66	1.67
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.56	1.57	1.66	1.66	1.67
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.06	0.06	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		6*	6*	3*	6*	5*



Sub-Matrix: WATER				Sample ID	W3/ME/M/ REPLICATE 2	W3/ME/B/ REPLICATE 1	W3/ME/B/ REPLICATE 2	DB1/ME/M/ REPLICATE 1	DB1/ME/M/ REPLICATE 2
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-046	HK2426092-047	HK2426092-048	HK2426092-051	HK2426092-052
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		7	8	3	11	11
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.03	0.03	0.10	0.10
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.63	1.58	1.61	1.21	1.20
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.67	1.62	1.65	1.31	1.30
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.3	0.3	0.3	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.9	2.0	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.67	1.62	1.65	1.31	1.30
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.06	0.19	0.19
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		6*	5*	5*	7*	3*



Sub-Matrix: WATER				Sample ID	E24/ME/M/ REPLICATE 1	E24/ME/M/ REPLICATE 2	E27/ME/M/ REPLICATE 1	E27/ME/M/ REPLICATE 2	E25/ME/M/ REPLICATE 1
Sampling date / time					06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit	HK2426092-057	HK2426092-058	HK2426092-063	HK2426092-064	HK2426092-069	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	12	11	91	86	82	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	1.57	1.53	1.58	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.11	0.11	0.20	0.20	0.20	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.19	1.18	1.53	1.52	1.49	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.30	1.30	1.73	1.72	1.70	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.3	0.4	1.4	1.4	1.4	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.7	3.2	3.1	3.1	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.30	1.30	3.30	3.25	3.28	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.19	0.19	0.56	0.53	0.54	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	4	4	4	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	15	11	6600	4800	4800	



Sub-Matrix: WATER				Sample ID	E25/ME/M/ REPLICATE 2	E26/ME/S/ REPLICATE 1	E26/ME/S/ REPLICATE 2	E26/ME/B/ REPLICATE 1	E26/ME/B/ REPLICATE 2
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-070	HK2426092-073	HK2426092-074	HK2426092-077	HK2426092-078
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		88	90	89	92	98
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		1.59	1.61	1.51	1.65	1.51
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.22	0.21	0.22	0.21	0.20
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.50	1.48	1.47	1.52	1.52
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.72	1.69	1.68	1.73	1.72
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.4	1.4	1.4	1.4	1.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		3.2	3.1	3.1	3.1	3.1
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.31	3.30	3.20	3.37	3.23
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.55	0.54	0.54	0.55	0.54
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	4	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3800	5200	4200	5600	4500



Sub-Matrix: WATER				Sample ID	KT1/ME/M/ REPLICATE 1	KT1/ME/M/ REPLICATE 2	E28/ME/M/ REPLICATE 1	E28/ME/M/ REPLICATE 2	SP1/ME/M/ REPLICATE 1
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-081	HK2426092-082	HK2426092-087	HK2426092-088	HK2426092-093
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		119	120	103	103	102
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		1.68	1.53	1.52	1.58	1.52
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.20	0.21	0.21	0.20	0.19
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.54	1.52	1.52	1.52	1.52
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.74	1.72	1.73	1.71	1.72
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		2.1	2.2	1.4	1.3	1.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		3.9	3.9	3.1	3.0	3.1
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.42	3.25	3.25	3.29	3.24
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.54	0.54	0.53	0.54	0.54
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2300	3800	4900	4600	4700



Sub-Matrix: WATER				Sample ID	SP1/ME/M/ REPLICATE 2	W5/MF/S/ REPLICATE 1	W5/MF/S/ REPLICATE 2	W5/MF/M/ REPLICATE 1	W5/MF/M/ REPLICATE 2
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-094	HK2426092-097	HK2426092-098	HK2426092-099	HK2426092-100
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		121	2	2	3	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		1.58	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.20	0.04	0.04	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.52	1.65	1.66	1.60	1.66
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.73	1.69	1.70	1.64	1.69
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.3	0.1	0.1	0.2	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		3.1	1.8	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.31	1.69	1.70	1.64	1.69
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.54	0.06	0.06	0.06	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3400	NOT DETECTED	5*	7*	6*



Sub-Matrix: WATER				Sample ID	W5/MF/B/ REPLICATE 1	W5/MF/B/ REPLICATE 2	W1/MF/S/ REPLICATE 1	W1/MF/S/ REPLICATE 2	W1/MF/M/ REPLICATE 1
Sampling date / time				06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit	HK2426092-101	HK2426092-102	HK2426092-103	HK2426092-104	HK2426092-105	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	2	2	<2	<2	2	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.02	0.02	0.03	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.65	1.65	1.63	1.65	1.62	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.69	1.69	1.65	1.67	1.65	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	0.2	0.2	0.2	0.2	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.8	1.9	1.8	1.9	1.8	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.69	1.69	1.65	1.67	1.65	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.06	0.06	0.06	0.06	0.05	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	5*	5*	4*	5*	3*	



Sub-Matrix: WATER				Sample ID	W1/MF/M/ REPLICATE 2	W1/MF/B/ REPLICATE 1	W1/MF/B/ REPLICATE 2	W2/MF/S/ REPLICATE 1	W2/MF/S/ REPLICATE 2
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-106	HK2426092-107	HK2426092-108	HK2426092-109	HK2426092-110
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	<2	3	<2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.03	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.65	1.65	1.62	1.50	1.47
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.68	1.69	1.65	1.54	1.51
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.3	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.7	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.68	1.69	1.65	1.54	1.51
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.06	0.06	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		8	9	4*	5*	7*



Sub-Matrix: WATER				Sample ID	W2/MF/M/ REPLICATE 1	W2/MF/M/ REPLICATE 2	W2/MF/B/ REPLICATE 1	W2/MF/B/ REPLICATE 2	W4/MF/S/ REPLICATE 1
Sampling date / time					06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-111	HK2426092-112	HK2426092-113	HK2426092-114	HK2426092-115
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	2	2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.47	1.54	1.53	1.50	1.49
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.51	1.57	1.57	1.54	1.53
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.8	1.8	1.8	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.51	1.57	1.57	1.54	1.53
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.06	0.06	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		6*	7*	8	6*	11



Sub-Matrix: WATER				Sample ID	W4/MF/S/ REPLICATE 2	W4/MF/M/ REPLICATE 1	W4/MF/M/ REPLICATE 2	W4/MF/B/ REPLICATE 1	W4/MF/B/ REPLICATE 2
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-116	HK2426092-117	HK2426092-118	HK2426092-119	HK2426092-120
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	<2	<2	2	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.48	1.47	1.48	1.48	1.48
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.53	1.52	1.52	1.52	1.52
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.7	1.7	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.53	1.52	1.52	1.52	1.52
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		13	6*	10	5*	13



Sub-Matrix: WATER				Sample ID	W8/MF/S/ REPLICATE 1	W8/MF/S/ REPLICATE 2	W8/MF/M/ REPLICATE 1	W8/MF/M/ REPLICATE 2	W8/MF/B/ REPLICATE 1
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-121	HK2426092-122	HK2426092-123	HK2426092-124	HK2426092-125
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	2	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.03	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.66	1.67	1.67	1.67	1.60
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.70	1.70	1.70	1.70	1.63
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.70	1.70	1.70	1.70	1.63
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.06	0.06	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		8	2*	7*	2*	10



Sub-Matrix: WATER				Sample ID	W8/MF/B/ REPLICATE 2	W7/MF/S/ REPLICATE 1	W7/MF/S/ REPLICATE 2	W7/MF/M/ REPLICATE 1	W7/MF/M/ REPLICATE 2
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-126	HK2426092-127	HK2426092-128	HK2426092-129	HK2426092-130
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	4	4	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.58	1.64	1.58	1.66	1.66
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.62	1.67	1.61	1.69	1.69
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.9	1.8	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.62	1.67	1.61	1.69	1.69
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.06	0.06	0.06	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		7*	5*	11	7*	9



Sub-Matrix: WATER				Sample ID	W7/MF/B/ REPLICATE 1	W7/MF/B/ REPLICATE 2	W6/MF/S/ REPLICATE 1	W6/MF/S/ REPLICATE 2	W6/MF/M/ REPLICATE 1
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-131	HK2426092-132	HK2426092-133	HK2426092-134	HK2426092-135
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	3	3	3	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.03	0.05	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.64	1.66	1.61	1.62	1.58
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.68	1.68	1.66	1.66	1.61
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.68	1.68	1.66	1.66	1.61
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.06	0.06	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		6*	8	10	4*	4*



Sub-Matrix: WATER				Sample ID	W6/MF/M/ REPLICATE 2	W6/MF/B/ REPLICATE 1	W6/MF/B/ REPLICATE 2	W3/MF/S/ REPLICATE 1	W3/MF/S/ REPLICATE 2
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-136	HK2426092-137	HK2426092-138	HK2426092-139	HK2426092-140
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	4	4	2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.63	1.63	1.62	1.57	1.57
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.67	1.67	1.66	1.61	1.60
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.67	1.67	1.66	1.61	1.60
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.06	0.06	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		5*	6*	4*	3*	5*



Sub-Matrix: WATER				Sample ID	W3/MF/M/ REPLICATE 1	W3/MF/M/ REPLICATE 2	W3/MF/B/ REPLICATE 1	W3/MF/B/ REPLICATE 2	DB1/MF/M/ REPLICATE 1
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-141	HK2426092-142	HK2426092-143	HK2426092-144	HK2426092-147
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	5	2	11
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.05	0.04	0.11
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.65	1.61	1.61	1.62	1.18
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.69	1.65	1.66	1.66	1.29
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.69	1.65	1.66	1.66	1.29
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.06	0.06	0.19
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		8	8	10	6*	6*



Sub-Matrix: WATER				Sample ID	DB1/MF/M/ REPLICATE 2	E24/MF/M/ REPLICATE 1	E24/MF/M/ REPLICATE 2	E27/MF/M/ REPLICATE 1	E27/MF/M/ REPLICATE 2
Sampling date / time					06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-148	HK2426092-153	HK2426092-154	HK2426092-159	HK2426092-160
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		10	10	10	56	53
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	1.54	1.63
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.11	0.11	0.10	0.22	0.22
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.28	1.17	1.18	1.45	1.45
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.39	1.28	1.28	1.67	1.67
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.3	2.3	2.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	3.9	4.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.39	1.28	1.28	3.21	3.29
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.19	0.18	0.17	0.53	0.53
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		6*	15	14	2900	4000



Sub-Matrix: WATER				Sample ID	E25/MF/M/ REPLICATE 1	E25/MF/M/ REPLICATE 2	E26/MF/S/ REPLICATE 1	E26/MF/S/ REPLICATE 2	E26/MF/B/ REPLICATE 1
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-165	HK2426092-166	HK2426092-169	HK2426092-170	HK2426092-173
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		58	61	56	54	51
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		1.52	1.58	1.57	1.60	1.61
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.22	0.22	0.21	0.22	0.22
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.46	1.44	1.46	1.46	1.44
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.68	1.66	1.67	1.68	1.66
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		2.3	2.3	2.4	2.3	2.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.0	4.0	4.0	4.0	4.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.20	3.24	3.24	3.28	3.27
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.54	0.54	0.55	0.54	0.54
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	5	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2300	2000	3300	3700	2000



Sub-Matrix: WATER				Sample ID	E26/MF/B/ REPLICATE 2	KT1/MF/M/ REPLICATE 1	KT1/MF/M/ REPLICATE 2	E28/MF/M/ REPLICATE 1	E28/MF/M/ REPLICATE 2
				Sampling date / time	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024	06-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426092-174	HK2426092-177	HK2426092-178	HK2426092-183	HK2426092-184
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		53	93	58	60	57
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		1.56	1.48	1.57	1.53	1.58
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.24	0.22	0.21	0.23	0.24
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.44	1.44	1.44	1.44	1.43
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.67	1.66	1.65	1.67	1.66
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		2.3	2.3	2.3	2.3	2.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.0	4.0	4.0	4.0	4.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.23	3.14	3.22	3.20	3.24
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.56	0.53	0.53	0.55	0.54
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	5	4	5	5
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2200	3300	4800	3900	2700



Sub-Matrix: WATER				Sample ID	SP1/MF/M/ REPLICATE 1	SP1/MF/M/ REPLICATE 2	---	---	---
				Sampling date / time	06-Jul-2024	06-Jul-2024	---	---	---
Compound	CAS Number	LOR	Unit		HK2426092-189	HK2426092-190	-----	-----	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		54	56	---	---	---
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		1.58	1.53	---	---	---
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.23	0.23	---	---	---
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.42	1.43	---	---	---
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.65	1.67	---	---	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		2.3	2.3	---	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.0	4.0	---	---	---
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.23	3.20	---	---	---
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.53	0.54	---	---	---
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		5	5	---	---	---
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3700	5100	---	---	---

----- END OF REPORT -----

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5909845)								
HK2426092-001	W5/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	5	6	0.0
HK2426092-011	W1/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5909846)								
HK2426092-021	W4/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	5	5	0.0
HK2426092-031	W7/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5909847)								
HK2426092-041	W6/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	7	7	0.0
HK2426092-057	E24/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	12	11	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5909848)								
HK2426092-081	KT1/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	119	122	2.7
HK2426092-101	W5/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	2	2	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5909849)								
HK2426092-111	W2/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0
HK2426092-121	W8/MF/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5909850)								
HK2426092-131	W7/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
HK2426092-141	W3/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5909851)								
HK2426092-165	E25/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	58	55	4.6
HK2426092-189	SP1/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	54	52	4.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909309)								
HK2426092-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909310)								
HK2426092-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.70	1.62	4.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909311)								
HK2426092-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909312)								

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909312) - Continued								
HK2426092-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.69	1.68	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909313)								
HK2426092-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909314)								
HK2426092-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.56	1.50	4.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909315)								
HK2426092-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.20	0.19	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909316)								
HK2426092-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.74	1.73	0.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909317)								
HK2426092-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909318)								
HK2426092-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.51	1.50	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909319)								
HK2426092-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.03	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909320)								
HK2426092-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.68	1.66	1.2
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909321)								
HK2426092-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.22	0.24	6.2
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909322)								
HK2426092-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.68	1.68	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909638)								
HK2426092-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909639)								
HK2426092-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909640)								
HK2426092-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909641)								
HK2426092-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	1.68	1.54	8.6
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909642)								
HK2426092-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909643)								



Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909643) - Continued								
HK2426092-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909644)								
HK2426092-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	1.52	1.58	4.1
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917527)								
HK2426092-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.8	1.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917528)								
HK2426092-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.06	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917529)								
HK2426092-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.9	1.9	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917530)								
HK2426092-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.06	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917531)								
HK2426092-041	W6/ME/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.7	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917532)								
HK2426092-041	W6/ME/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917533)								
HK2426092-081	KT1/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	3.9	3.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917534)								
HK2426092-081	KT1/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.54	0.54	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917535)								
HK2426092-111	W2/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.7	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917536)								
HK2426092-111	W2/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917537)								
HK2426092-131	W7/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.9	1.9	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917538)								
HK2426092-131	W7/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.06	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5921276)								
HK2426092-153	E24/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5921277)								
HK2426092-153	E24/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.18	0.18	0.0



Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5909845)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	98.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5909846)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	101	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5909847)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	94.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5909848)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	96.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5909849)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	95.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5909850)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	99.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5909851)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	100	----	85.7	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909309)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	106	----	78.8	120	----	----
					<0.01	0.4 mg/L	103	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909310)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	105	----	86.0	124	----	----
					<0.01	0.4 mg/L	102	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909311)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	104	----	78.8	120	----	----
					<0.01	0.4 mg/L	104	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909312)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	102	----	86.0	124	----	----
					<0.01	0.4 mg/L	103	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909313)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	104	----	78.8	120	----	----

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909313) - Continued											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.4 mg/L	104	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909314)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	98.0	----	86.0	124	----	----
				<0.01	0.4 mg/L	103	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909315)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	104	----	78.8	120	----	----
				<0.01	0.4 mg/L	104	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909316)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	102	----	86.0	124	----	----
				<0.01	0.4 mg/L	102	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909317)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	93.4	----	78.8	120	----	----
				<0.01	0.4 mg/L	103	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909318)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	103	----	86.0	124	----	----
				<0.01	0.4 mg/L	99.8	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909319)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	101	----	78.8	120	----	----
				<0.01	0.4 mg/L	106	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909320)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	99.8	----	86.0	124	----	----
				<0.01	0.4 mg/L	99.1	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909321)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	101	----	78.8	120	----	----
				<0.01	0.4 mg/L	106	----	94.5	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909322)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	94.6	----	86.0	124	----	----
				<0.01	0.4 mg/L	99.0	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909638)											

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909638) - Continued											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	108	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909639)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	101	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909640)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	99.3	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909641)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	92.2	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909642)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	106	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909643)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	92.9	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909644)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	92.2	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917527)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	112	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917528)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	97.7	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917529)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	112	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917530)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	100	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917531)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	112	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917532)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	99.6	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917533)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	101	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917534)											

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917534) - Continued												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	102	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917535)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	107	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917536)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	103	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917537)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	112	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917538)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	103	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5921276)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	112	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5921277)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	95.9	----	93.1	103	----	----
EP: Aggregate Organics (QC Lot: 5909522)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	96.1	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5909523)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	101	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5909524)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	102	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5909525)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	104	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5909526)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	99.7	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5909527)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	98.0	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5909528)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	92.6	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5909529)												



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EP: Aggregate Organics (QC Lot: 5909529) - Continued												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	92.4	----	77.6	118	----	----



Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909309)										
HK2426092-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909310)										
HK2426092-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	94.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909311)										
HK2426092-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	108	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909312)										
HK2426092-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	98.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909313)										
HK2426092-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909314)										
HK2426092-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	98.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909315)										
HK2426092-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	107	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909316)										
HK2426092-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	91.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909317)										
HK2426092-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909318)										
HK2426092-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	99.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909319)										
HK2426092-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	105	----	75.0	125	----	----



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909320)										
HK2426092-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	92.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909321)										
HK2426092-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909322)										
HK2426092-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	93.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909638)										
HK2426092-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909639)										
HK2426092-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	79.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909640)										
HK2426092-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909641)										
HK2426092-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	94.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909642)										
HK2426092-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	82.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909643)										
HK2426092-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5909644)										
HK2426092-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	95.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917527)										
HK2426092-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	87.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917528)										
HK2426092-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	93.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917529)										
HK2426092-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	78.9	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917530)										
HK2426092-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	93.5	----	75.0	125	----	----



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number		MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917531)										
HK2426092-041	W6/ME/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917532)										
HK2426092-041	W6/ME/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	91.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917533)										
HK2426092-081	KT1/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	1 mg/L	109	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917534)										
HK2426092-081	KT1/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	97.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917535)										
HK2426092-111	W2/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	110	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917536)										
HK2426092-111	W2/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	96.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917537)										
HK2426092-131	W7/MF/B/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	108	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5917538)										
HK2426092-131	W7/MF/B/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	97.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5921276)										
HK2426092-153	E24/MF/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	79.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5921277)										
HK2426092-153	E24/MF/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	93.6	----	75.0	125	----	----



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 39
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2426725
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
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Facsimile	: ---	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 09-Jul-2024
Order number	: ---	Quote number	: HKE/1756/2024_V2	Issue Date	: 23-Jul-2024
C-O-C number	: ---			No. of samples received	: 132
Site	: ---			No. of samples analysed	: 132

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This document has been signed by those names that appear on this report and are the authorised signatories.

<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
 Fung Lim Chee, Richard	Managing Director	Inorganics
 Ng Sin Kou, May	Laboratory Manager	Microbiology_ENV



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 09-Jul-2024 to 23-Jul-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2426725

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.

Microbiological sample(s) were collected in 125mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 19:35.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

* denoted the estimated count; Result based on a count outside of standard method's countable range.

EK061P - Total Kjeldahl Nitrogen is the difference of Total Nitrogen and Total Oxidizable Nitrogen.

EK063A - Total Inorganic Nitrogen is the sum of the Total Oxidizable Nitrogen and Ammonical Nitrogen.



Analytical Results

Sub-Matrix: WATER				Sample ID	W5/ME/S/ REPLICATE 1	W5/ME/S/ REPLICATE 2	W5/ME/M/ REPLICATE 1	W5/ME/M/ REPLICATE 2	W5/ME/B/ REPLICATE 1
Sampling date / time					09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-001	HK2426725-002	HK2426725-003	HK2426725-004	HK2426725-005
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	5	5	5	12
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	0.02	0.01	0.02
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.04	0.03	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.53	1.52	1.02	0.81	1.04
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.57	1.56	1.06	0.84	1.09
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	<0.1	<0.1	<0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.7	1.2	0.9	1.1
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.57	1.56	1.08	0.85	1.10
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		5*	10	18	34	56



Sub-Matrix: WATER				Sample ID	W5/ME/B/ REPLICATE 2	W1/ME/S/ REPLICATE 1	W1/ME/S/ REPLICATE 2	W1/ME/M/ REPLICATE 1	W1/ME/M/ REPLICATE 2
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-006	HK2426725-007	HK2426725-008	HK2426725-009	HK2426725-010
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		18	4	4	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.03	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.05	0.05	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.80	1.43	1.37	1.28	1.27
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.84	1.47	1.42	1.32	1.33
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		<0.1	0.1	0.2	0.2	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		0.9	1.6	1.6	1.5	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.87	1.47	1.42	1.32	1.33
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.04	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		44	20	15	9	16



Sub-Matrix: WATER				Sample ID	W1/ME/B/ REPLICATE 1	W1/ME/B/ REPLICATE 2	W2/ME/S/ REPLICATE 1	W2/ME/S/ REPLICATE 2	W2/ME/M/ REPLICATE 1
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-011	HK2426725-012	HK2426725-013	HK2426725-014	HK2426725-015
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	4	4	7
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.06	0.03	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.11	1.14	1.51	1.45	1.08
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.15	1.20	1.54	1.50	1.13
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.1	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.3	1.4	1.8	1.6	1.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.15	1.20	1.54	1.50	1.13
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.04	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		11	15	15	15	22



Sub-Matrix: WATER				Sample ID	W2/ME/M/ REPLICATE 2	W2/ME/B/ REPLICATE 1	W2/ME/B/ REPLICATE 2	W4/ME/S/ REPLICATE 1	W4/ME/S/ REPLICATE 2
Sampling date / time					09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-016	HK2426725-017	HK2426725-018	HK2426725-019	HK2426725-020
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	8	9	8	7
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	0.02	0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.05	0.05	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.14	0.90	0.86	1.64	1.63
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.20	0.95	0.91	1.68	1.68
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.1	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.4	1.1	1.1	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.20	0.96	0.93	1.68	1.68
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.04	0.05	0.04	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		27	43	20	12	14



Sub-Matrix: WATER				Sample ID	W4/ME/M/ REPLICATE 1	W4/ME/M/ REPLICATE 2	W4/ME/B/ REPLICATE 1	W4/ME/B/ REPLICATE 2	W8/ME/S/ REPLICATE 1
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-021	HK2426725-022	HK2426725-023	HK2426725-024	HK2426725-025
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	4	6	5	7
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.06	0.04	0.06	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.37	1.18	1.00	0.98	1.68
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.43	1.24	1.04	1.04	1.71
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.2	0.2	0.2	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.4	1.2	1.2	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.43	1.24	1.05	1.04	1.71
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.05	0.04	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		49	35	35	39	20



Sub-Matrix: WATER				Sample ID	W8/ME/S/ REPLICATE 2	W8/ME/M/ REPLICATE 1	W8/ME/M/ REPLICATE 2	W8/ME/B/ REPLICATE 1	W8/ME/B/ REPLICATE 2
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-026	HK2426725-027	HK2426725-028	HK2426725-029	HK2426725-030
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	7	7	6	10
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.05	0.04	0.05	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.72	1.57	1.63	1.29	1.30
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.76	1.62	1.67	1.34	1.38
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.1	<0.1	0.1	<0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.7	1.7	1.5	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.76	1.62	1.67	1.34	1.38
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.04	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		16	19	20	22	21



Sub-Matrix: WATER				Sample ID	W7/ME/S/ REPLICATE 1	W7/ME/S/ REPLICATE 2	W7/ME/M/ REPLICATE 1	W7/ME/M/ REPLICATE 2	W7/ME/B/ REPLICATE 1
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-031	HK2426725-032	HK2426725-033	HK2426725-034	HK2426725-035
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		7	7	6	7	25
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.06	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.68	1.59	1.44	1.64	1.22
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.71	1.63	1.50	1.68	1.27
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.2	<0.1	<0.1	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.6	1.8	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.71	1.63	1.50	1.68	1.27
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		14	22	25	15	15



Sub-Matrix: WATER				Sample ID	W7/ME/B/ REPLICATE 2	W6/ME/S/ REPLICATE 1	W6/ME/S/ REPLICATE 2	W6/ME/M/ REPLICATE 1	W6/ME/M/ REPLICATE 2
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-036	HK2426725-037	HK2426725-038	HK2426725-039	HK2426725-040
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		13	3	3	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.04	0.03	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.29	1.32	1.39	1.22	0.93
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.33	1.36	1.42	1.26	0.96
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	<0.1	<0.1	0.2	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.4	1.5	1.4	1.1
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.33	1.36	1.42	1.26	0.97
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.04	0.04	0.06	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		25	16	14	9	5*



Sub-Matrix: WATER				Sample ID	W6/ME/B/ REPLICATE 1	W6/ME/B/ REPLICATE 2	W3/ME/S/ REPLICATE 1	W3/ME/S/ REPLICATE 2	W3/ME/M/ REPLICATE 1
Sampling date / time				09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit	HK2426725-041	HK2426725-042	HK2426725-043	HK2426725-044	HK2426725-045	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	8	7	6	5	3	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.05	0.04	0.04	0.04	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.21	0.99	1.52	1.51	1.26	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.25	1.04	1.56	1.55	1.30	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	<0.1	<0.1	0.1	0.2	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.3	1.1	1.6	1.6	1.5	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.25	1.04	1.56	1.55	1.30	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.03	0.03	0.03	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	18	26	2*	1*	18	



Sub-Matrix: WATER				Sample ID	W3/ME/M/ REPLICATE 2	W3/ME/B/ REPLICATE 1	W3/ME/B/ REPLICATE 2	DB1/ME/M/ REPLICATE 1	DB1/ME/M/ REPLICATE 2
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-046	HK2426725-047	HK2426725-048	HK2426725-051	HK2426725-052
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	5	6	6	6
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.05	0.09	0.09
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.99	1.05	0.97	1.37	1.35
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.03	1.09	1.02	1.46	1.44
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	<0.1	0.1	0.1	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.3	1.2	1.1	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.03	1.09	1.02	1.46	1.44
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.09	0.09
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		10	24	25	42	40



Sub-Matrix: WATER				Sample ID	E24/ME/M/ REPLICATE 1	E24/ME/M/ REPLICATE 2	E27/ME/M/ REPLICATE 1	E27/ME/M/ REPLICATE 2	E25/ME/M/ REPLICATE 1
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-057	HK2426725-058	HK2426725-063	HK2426725-064	HK2426725-069
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		7	7	65	45	50
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	0.36	0.36	0.36
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.08	0.09	0.21	0.20	0.20
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.36	1.36	1.68	1.68	1.68
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.44	1.45	1.88	1.88	1.88
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	1.1	0.9	0.9
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	3.0	2.8	2.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.44	1.45	2.24	2.24	2.24
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.09	0.08	0.46	0.43	0.44
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	2	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		50	35	2200	1800	2400



Sub-Matrix: WATER				Sample ID	E25/ME/M/ REPLICATE 2	E26/ME/S/ REPLICATE 1	E26/ME/S/ REPLICATE 2	E26/ME/B/ REPLICATE 1	E26/ME/B/ REPLICATE 2
Sampling date / time					09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit	HK2426725-070	HK2426725-073	HK2426725-074	HK2426725-077	HK2426725-078	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	42	66	62	68	58	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.37	0.34	0.37	0.46	0.37	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.20	0.20	0.20	0.19	0.21	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.67	1.68	1.67	1.66	1.58	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.88	1.88	1.87	1.86	1.80	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	1.0	0.9	0.9	0.9	1.2	
EK062P: Total Nitrogen as N	----	0.1	mg/L	2.8	2.8	2.8	2.8	3.0	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	2.25	2.22	2.24	2.32	2.16	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.45	0.47	0.44	0.43	0.45	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	3	3	3	3	3	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	1700	6300	5400	1900	3000	



Sub-Matrix: WATER				Sample ID	KT1/ME/M/ REPLICATE 1	KT1/ME/M/ REPLICATE 2	E28/ME/M/ REPLICATE 1	E28/ME/M/ REPLICATE 2	SP1/ME/M/ REPLICATE 1
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-081	HK2426725-082	HK2426725-087	HK2426725-088	HK2426725-093
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		51	45	47	48	51
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.57	0.63	0.36	0.32	0.34
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.20	0.20	0.19	0.19	0.19
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.68	1.68	1.69	1.67	1.68
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.88	1.89	1.88	1.86	1.87
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.9	0.9	1.0	1.0	1.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.8	2.8	2.8	2.8	2.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		2.46	2.51	2.24	2.18	2.21
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.44	0.44	0.44	0.44	0.44
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	3	3	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3600	4800	3700	5000	2000



Sub-Matrix: WATER				Sample ID	SP1/ME/M/ REPLICATE 2	W5/MF/S/ REPLICATE 1	W5/MF/S/ REPLICATE 2	W5/MF/M/ REPLICATE 1	W5/MF/M/ REPLICATE 2
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-094	HK2426725-097	HK2426725-098	HK2426725-099	HK2426725-100
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		54	4	4	4	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.35	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.20	0.04	0.05	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.69	1.43	1.42	1.43	1.41
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.89	1.47	1.47	1.47	1.46
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.9	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.8	1.7	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		2.24	1.47	1.47	1.47	1.46
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.45	0.05	0.04	0.05	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2700	1600	1700	1600	2700



Sub-Matrix: WATER				Sample ID	W5/MF/B/ REPLICATE 1	W5/MF/B/ REPLICATE 2	W1/MF/S/ REPLICATE 1	W1/MF/S/ REPLICATE 2	W1/MF/M/ REPLICATE 1
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-101	HK2426725-102	HK2426725-103	HK2426725-104	HK2426725-105
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	6	4	4	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.06	0.05	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.41	1.43	1.42	1.44	1.43
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.46	1.48	1.47	1.48	1.46
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.7	1.7	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.46	1.48	1.47	1.48	1.46
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		14	24	29	26	27



Sub-Matrix: WATER				Sample ID	W1/MF/M/ REPLICATE 2	W1/MF/B/ REPLICATE 1	W1/MF/B/ REPLICATE 2	W2/MF/S/ REPLICATE 1	W2/MF/S/ REPLICATE 2
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-106	HK2426725-107	HK2426725-108	HK2426725-109	HK2426725-110
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	4	3	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.43	1.36	1.35	1.34	1.34
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.47	1.40	1.40	1.38	1.40
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.47	1.40	1.40	1.38	1.40
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		34	22	29	26	31



Sub-Matrix: WATER				Sample ID	W2/MF/M/ REPLICATE 1	W2/MF/M/ REPLICATE 2	W2/MF/B/ REPLICATE 1	W2/MF/B/ REPLICATE 2	W4/MF/S/ REPLICATE 1
Sampling date / time				09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit	HK2426725-111	HK2426725-112	HK2426725-113	HK2426725-114	HK2426725-115	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	4	5	5	5	4	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.04	0.04	0.04	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.34	1.34	1.38	1.39	1.44	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.39	1.39	1.42	1.43	1.48	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	0.2	0.2	0.2	0.2	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	1.6	1.6	1.7	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.39	1.39	1.42	1.43	1.48	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.04	0.04	0.04	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	27	23	34	31	30	



Sub-Matrix: WATER				Sample ID	W4/MF/S/ REPLICATE 2	W4/MF/M/ REPLICATE 1	W4/MF/M/ REPLICATE 2	W4/MF/B/ REPLICATE 1	W4/MF/B/ REPLICATE 2
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-116	HK2426725-117	HK2426725-118	HK2426725-119	HK2426725-120
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	4	5	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.02	0.03	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.43	1.38	1.37	1.36	1.33
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.47	1.40	1.40	1.38	1.36
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.47	1.40	1.40	1.38	1.36
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		31	22	14	18	22



Sub-Matrix: WATER				Sample ID	W8/MF/S/ REPLICATE 1	W8/MF/S/ REPLICATE 2	W8/MF/M/ REPLICATE 1	W8/MF/M/ REPLICATE 2	W8/MF/B/ REPLICATE 1
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-121	HK2426725-122	HK2426725-123	HK2426725-124	HK2426725-125
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	3	3	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.05	0.04	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.45	1.46	1.45	1.42	1.45
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.49	1.50	1.48	1.47	1.49
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.7	1.7	1.6	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.49	1.50	1.48	1.47	1.49
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		14	13	19	24	20



Sub-Matrix: WATER				Sample ID	W8/MF/B/ REPLICATE 2	W7/MF/S/ REPLICATE 1	W7/MF/S/ REPLICATE 2	W7/MF/M/ REPLICATE 1	W7/MF/M/ REPLICATE 2
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-126	HK2426725-127	HK2426725-128	HK2426725-129	HK2426725-130
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	4	4	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.04	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.46	1.44	1.46	1.48	1.46
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.51	1.49	1.50	1.52	1.50
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.7	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.51	1.49	1.50	1.52	1.50
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		29	32	28	36	30



Sub-Matrix: WATER				Sample ID	W7/MF/B/ REPLICATE 1	W7/MF/B/ REPLICATE 2	W6/MF/S/ REPLICATE 1	W6/MF/S/ REPLICATE 2	W6/MF/M/ REPLICATE 1
Sampling date / time				09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit	HK2426725-131	HK2426725-132	HK2426725-133	HK2426725-134	HK2426725-135	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	4	4	3	4	3	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.04	0.04	0.05	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.46	1.46	1.47	1.43	1.41	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.50	1.50	1.50	1.47	1.46	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	0.2	0.2	0.2	0.2	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.7	1.7	1.6	1.7	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.50	1.50	1.50	1.47	1.46	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.04	0.04	0.04	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	30	32	22	20	29	



Sub-Matrix: WATER				Sample ID	W6/MF/M/ REPLICATE 2	W6/MF/B/ REPLICATE 1	W6/MF/B/ REPLICATE 2	W3/MF/S/ REPLICATE 1	W3/MF/S/ REPLICATE 2
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-136	HK2426725-137	HK2426725-138	HK2426725-139	HK2426725-140
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	2	3	3	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.03	0.05	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.44	1.45	1.45	1.45	1.47
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.49	1.48	1.49	1.48	1.50
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.7	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.49	1.48	1.49	1.48	1.50
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		18	20	18	22	20



Sub-Matrix: WATER				Sample ID	W3/MF/M/ REPLICATE 1	W3/MF/M/ REPLICATE 2	W3/MF/B/ REPLICATE 1	W3/MF/B/ REPLICATE 2	DB1/MF/M/ REPLICATE 1
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-141	HK2426725-142	HK2426725-143	HK2426725-144	HK2426725-147
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	3	2	4	7
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.02	0.04	0.03	0.04	0.09
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.47	1.44	1.37	1.46	1.36
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.49	1.49	1.39	1.50	1.45
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.6	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.49	1.49	1.39	1.50	1.45
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.10
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		29	19	33	28	40



Sub-Matrix: WATER				Sample ID	DB1/MF/M/ REPLICATE 2	E24/MF/M/ REPLICATE 1	E24/MF/M/ REPLICATE 2	E27/MF/M/ REPLICATE 1	E27/MF/M/ REPLICATE 2
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-148	HK2426725-153	HK2426725-154	HK2426725-159	HK2426725-160
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	6	6	48	57
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	0.36	0.29
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.09	0.09	0.09	0.20	0.20
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.36	1.35	1.36	1.68	1.66
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.44	1.45	1.45	1.88	1.86
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	1.5	1.6
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.7	3.4	3.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.44	1.45	1.45	2.24	2.16
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.10	0.07	0.09	0.38	0.40
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		37	28	38	16	23



Sub-Matrix: WATER				Sample ID	E25/MF/M/ REPLICATE 1	E25/MF/M/ REPLICATE 2	E26/MF/S/ REPLICATE 1	E26/MF/S/ REPLICATE 2	E26/MF/B/ REPLICATE 1
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-165	HK2426725-166	HK2426725-169	HK2426725-170	HK2426725-173
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		39	41	45	48	69
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.42	0.32	0.33	0.35	0.32
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.19	0.20	0.17	0.19
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.76	1.67	1.64	1.65	1.66
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.95	1.86	1.83	1.82	1.84
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.4	1.5	1.6	1.6	1.6
EK062P: Total Nitrogen as N	----	0.1	mg/L		3.4	3.4	3.4	3.4	3.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		2.37	2.18	2.17	2.17	2.17
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.41	0.39	0.39	0.40	0.44
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	3	3	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2200	3300	2500	1700	4800



Sub-Matrix: WATER				Sample ID	E26/MF/B/ REPLICATE 2	KT1/MF/M/ REPLICATE 1	KT1/MF/M/ REPLICATE 2	E28/MF/M/ REPLICATE 1	E28/MF/M/ REPLICATE 2
				Sampling date / time	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024	09-Jul-2024
Compound	CAS Number	LOR	Unit		HK2426725-174	HK2426725-177	HK2426725-178	HK2426725-183	HK2426725-184
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		45	41	42	42	41
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.35	0.34	0.36	0.34	0.34
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.20	0.20	0.20	0.20
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.65	1.67	1.66	1.68	1.66
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.84	1.86	1.85	1.88	1.86
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.6	1.5	1.6	1.5	1.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		3.4	3.4	3.4	3.4	3.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		2.20	2.20	2.21	2.22	2.19
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.38	0.38	0.39	0.39	0.39
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	3	3	2	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		5300	1600	1500	3900	4600



Sub-Matrix: WATER				Sample ID	SP1/MF/M/ REPLICATE 1	SP1/MF/M/ REPLICATE 2	---	---	---
				Sampling date / time	09-Jul-2024	09-Jul-2024	---	---	---
Compound	CAS Number	LOR	Unit		HK2426725-189	HK2426725-190	-----	-----	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		50	43	---	---	---
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.37	0.36	---	---	---
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.20	0.20	---	---	---
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.67	1.66	---	---	---
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.86	1.85	---	---	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.4	1.4	---	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		3.2	3.2	---	---	---
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		2.23	2.21	---	---	---
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.38	0.39	---	---	---
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	2	---	---	---
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		4500	4800	---	---	---

----- END OF REPORT -----

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5915704)								
HK2426725-001	W5/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	5	0.0
HK2426725-011	W1/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5915705)								
HK2426725-021	W4/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	6	0.0
HK2426725-031	W7/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	7	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5915706)								
HK2426725-041	W6/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	8	7	0.0
HK2426725-057	E24/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	7	7	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5915707)								
HK2426725-081	KT1/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	51	53	2.5
HK2426725-101	W5/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	5	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5915708)								
HK2426725-111	W2/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
HK2426725-121	W8/MF/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5915709)								
HK2426725-131	W7/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
HK2426725-141	W3/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5915710)								
HK2426725-165	E25/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	39	38	0.0
HK2426725-189	SP1/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	50	52	2.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914496)								
HK2426725-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914497)								
HK2426725-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914498)								
HK2426725-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914499)								

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914499) - Continued								
HK2426725-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.57	0.59	3.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914500)								
HK2426725-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914501)								
HK2426725-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914502)								
HK2426725-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.42	0.40	4.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914503)								
HK2426725-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.03	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914504)								
HK2426725-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.57	1.60	2.3
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914505)								
HK2426725-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914506)								
HK2426725-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.43	1.44	0.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914507)								
HK2426725-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914508)								
HK2426725-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.25	1.23	1.5
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914509)								
HK2426725-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.20	0.22	6.1
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914510)								
HK2426725-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.88	1.92	2.2
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914511)								
HK2426725-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914512)								
HK2426725-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.39	1.41	1.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914513)								
HK2426725-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914514)								
HK2426725-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.50	1.48	1.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914515)								



Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914515) - Continued								
HK2426725-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.19	0.20	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914516)								
HK2426725-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.95	1.92	1.7
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5922370)								
HK2426725-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.8	1.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5922371)								
HK2426725-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5922372)								
HK2426725-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.8	14.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5922373)								
HK2426725-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933518)								
HK2426725-078	E26/ME/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	3.0	3.3	9.3
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933519)								
HK2426725-078	E26/ME/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.45	0.45	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933520)								
HK2426725-110	W2/MF/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933521)								
HK2426725-110	W2/MF/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.05	22.2
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933522)								
HK2426725-130	W7/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.7	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933523)								
HK2426725-130	W7/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933524)								
HK2426725-160	E27/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	3.4	3.3	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933525)								
HK2426725-160	E27/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.40	0.40	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933526)								
HK2426725-190	SP1/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	3.2	3.4	6.6
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933527)								
HK2426725-190	SP1/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.39	0.40	0.0



Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
Method: Compound	CAS Number										
EA/ED: Physical and Aggregate Properties (QC Lot: 5915704)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5915705)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	113	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5915706)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5915707)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5915708)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5915709)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	103	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5915710)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	92.5	----	85.7	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914496)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	92.1	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914497)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	101	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914498)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	92.7	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914499)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	96.1	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914500)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	97.3	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914501)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	98.3	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914502)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	97.1	----	89.3	109	----	----



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914503)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	96.6	----	78.8	120	----	----
				<0.01	0.4 mg/L	111	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914504)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	110	----	86.0	124	----	----
				<0.01	0.4 mg/L	108	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914505)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	91.2	----	78.8	120	----	----
				<0.01	0.4 mg/L	110	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914506)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	109	----	86.0	124	----	----
				<0.01	0.4 mg/L	105	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914507)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	97.6	----	78.8	120	----	----
				<0.01	0.4 mg/L	111	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914508)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	110	----	86.0	124	----	----
				<0.01	0.4 mg/L	108	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914509)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	96.6	----	78.8	120	----	----
				<0.01	0.4 mg/L	111	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914510)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	101	----	86.0	124	----	----
				<0.01	0.4 mg/L	105	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914511)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	98.4	----	78.8	120	----	----
				<0.01	0.4 mg/L	113	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914512)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	97.2	----	86.0	124	----	----
				<0.01	0.4 mg/L	104	----	94.8	113	----	----

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914513)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	103	----	78.8	120	----	----
					<0.01	0.4 mg/L	113	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914514)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	104	----	86.0	124	----	----
					<0.01	0.4 mg/L	104	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914515)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	97.4	----	78.8	120	----	----
					<0.01	0.4 mg/L	110	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914516)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	91.6	----	86.0	124	----	----
					<0.01	0.4 mg/L	106	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5922370)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	110	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5922371)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	98.2	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5922372)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	110	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5922373)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	98.0	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933518)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	101	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933519)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	97.3	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933520)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	105	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933521)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	100	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933522)												



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933522) - Continued												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	110	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933523)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	96.4	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933524)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	110	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933525)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	99.4	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933526)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	98.5	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933527)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	95.2	----	93.1	103	----	----
EP: Aggregate Organics (QC Lot: 5918099)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	95.3	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5918100)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	93.2	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5918101)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	91.7	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5918102)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	90.9	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5918103)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	92.6	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5918104)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	92.9	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5918105)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	95.9	----	77.6	118	----	----

Matrix: **WATER**

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
Laboratory sample ID	Sample ID	Method: Compound	CAS Number							
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914496)										
HK2426725-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	86.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914497)										
HK2426725-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914498)										
HK2426725-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	92.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914499)										
HK2426725-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	116	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914500)										
HK2426725-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	91.9	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914501)										
HK2426725-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	98.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914502)										
HK2426725-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	100.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914503)										
HK2426725-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	113	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914504)										
HK2426725-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	99.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914505)										
HK2426725-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	111	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914506)										
HK2426725-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914507)										
HK2426725-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914508)										

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
Laboratory sample ID	Sample ID	Method: Compound	CAS Number							
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914508) - Continued										
HK2426725-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	96.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914509)										
HK2426725-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	116	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914510)										
HK2426725-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914511)										
HK2426725-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	116	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914512)										
HK2426725-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914513)										
HK2426725-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	105	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914514)										
HK2426725-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	92.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914515)										
HK2426725-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	118	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5914516)										
HK2426725-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	96.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5922370)										
HK2426725-001	W5/ME/S/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5922371)										
HK2426725-001	W5/ME/S/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	96.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5922372)										
HK2426725-021	W4/ME/M/ REPLICATE 1	EK062P: Total Nitrogen as N	----	0.5 mg/L	80.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5922373)										



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5922373) - Continued										
HK2426725-021	W4/ME/M/ REPLICATE 1	EK067P: Total Phosphorus as P	----	0.5 mg/L	91.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933518)										
HK2426725-078	E26/ME/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	5 mg/L	117	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933519)										
HK2426725-078	E26/ME/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	96.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933520)										
HK2426725-110	W2/MF/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	93.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933521)										
HK2426725-110	W2/MF/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	105	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933522)										
HK2426725-130	W7/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	80.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933523)										
HK2426725-130	W7/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	95.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933525)										
HK2426725-160	E27/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	97.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933526)										
HK2426725-190	SP1/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	1 mg/L	105	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5933527)										
HK2426725-190	SP1/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	98.4	----	75.0	125	----	----



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 39
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2427022
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong	Amendment	: 2
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Telephone	: ---	Telephone	: +852 2610 1044		
Facsimile	: ---	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 11-Jul-2024
Order number	: ---	Quote number	: HKE/1756/2024_V2	Issue Date	: 12-Aug-2024
C-O-C number	: ---			No. of samples received	: 132
Site	: ---			No. of samples analysed	: 132

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This document has been signed by those names that appear on this report and are the authorised signatories.

<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
 Fung Lim Chee, Richard	Managing Director	Inorganics
 Ng Sin Kou, May	Laboratory Manager	Microbiology_ENV



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 11-Jul-2024 to 09-Aug-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2427022

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.

Microbiological sample(s) was/ were collected in 125mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 16:10.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

This is an amendment of the Certificate of Analysis.

The result(s) of the analyte(s) Total Phosphorus of test code EK067P for sample HK2427022-042 has been amended.

EK061P - Total Kjeldahl Nitrogen is the difference of Total Nitrogen and Total Oxidizable Nitrogen.

EK063A - Total Inorganic Nitrogen is the sum of the Total Oxidizable Nitrogen and Ammonical Nitrogen.



Analytical Results

Sub-Matrix: WATER

Sample ID

				W5/ME/S/ REPLICATE 1	W5/ME/S/ REPLICATE 2	W5/ME/M/ REPLICATE 1	W5/ME/M/ REPLICATE 2	W5/ME/B/ REPLICATE 1
Sampling date / time				11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit	HK2427022-001	HK2427022-002	HK2427022-003	HK2427022-004	HK2427022-005
EA/ED: Physical and Aggregate Properties								
EA025: Suspended Solids (SS)	----	2	mg/L	5	<2	4	3	4
ED/EK: Inorganic Nonmetallic Parameters								
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.05	0.03	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.40	1.47	1.46	1.44	1.45
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.45	1.52	1.50	1.49	1.50
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	---	0.1	0.1	<0.1	<0.1
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	---	---	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.7	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.45	1.52	1.50	1.49	1.50
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.02	0.02	0.02	0.02	0.02
EP: Aggregate Organics								
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2
EM: Microbiological Testing								
EM019: Escherichia coli	----	1	CFU/100mL	1*	1*	9	5*	NOT DETECTED



Sub-Matrix: WATER				Sample ID	W5/ME/B/ REPLICATE 2	W1/ME/S/ REPLICATE 1	W1/ME/S/ REPLICATE 2	W1/ME/M/ REPLICATE 1	W1/ME/M/ REPLICATE 2
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-006	HK2427022-007	HK2427022-008	HK2427022-009	HK2427022-010
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	2	2	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.05	0.05	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.45	1.46	1.46	1.43	1.45
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.50	1.51	1.51	1.47	1.49
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		<0.1	<0.1	<0.1	<0.1	<0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.5	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.50	1.51	1.51	1.47	1.49
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.02	0.02	0.03	0.02	0.02
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		NOT DETECTED	NOT DETECTED	4*	3*	4*



Sub-Matrix: WATER				Sample ID	W1/ME/B/ REPLICATE 1	W1/ME/B/ REPLICATE 2	W2/ME/S/ REPLICATE 1	W2/ME/S/ REPLICATE 2	W2/ME/M/ REPLICATE 1
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-011	HK2427022-012	HK2427022-013	HK2427022-014	HK2427022-015
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	2	3	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.05	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.43	1.43	1.43	1.44	1.45
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.48	1.48	1.48	1.49	1.49
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		<0.1	<0.1	<0.1	----	0.1
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		---	---	---	0.2	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.5	1.5	1.7	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.48	1.48	1.48	1.49	1.49
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.02	0.03	0.03	0.03	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3*	3*	27	41	2*



Sub-Matrix: WATER				Sample ID	W2/ME/M/ REPLICATE 2	W2/ME/B/ REPLICATE 1	W2/ME/B/ REPLICATE 2	W4/ME/S/ REPLICATE 1	W4/ME/S/ REPLICATE 2
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-016	HK2427022-017	HK2427022-018	HK2427022-019	HK2427022-020
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	3	2	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.43	1.44	1.44	1.43	1.46
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.46	1.48	1.48	1.47	1.50
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		<0.1	<0.1	<0.1	----	<0.1
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		---	---	---	0.2	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.6	1.5	1.7	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.46	1.48	1.48	1.47	1.50
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.03	0.03	0.02
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		6*	3*	1*	NOT DETECTED	1*



Sub-Matrix: WATER				Sample ID	W4/ME/M/ REPLICATE 1	W4/ME/M/ REPLICATE 2	W4/ME/B/ REPLICATE 1	W4/ME/B/ REPLICATE 2	W8/ME/S/ REPLICATE 1
Sampling date / time					11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit	HK2427022-021	HK2427022-022	HK2427022-023	HK2427022-024	HK2427022-025	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	2	3	4	3	3	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.03	0.03	0.04	0.05	0.04	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.44	1.44	1.42	1.43	1.43	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.47	1.47	1.46	1.48	1.47	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.5	1.5	1.6	1.5	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.47	1.47	1.46	1.48	1.47	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.03	0.02	0.02	0.03	0.03	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	NOT DETECTED	1*	1*	1*	1	



Sub-Matrix: WATER				Sample ID	W8/ME/S/ REPLICATE 2	W8/ME/M/ REPLICATE 1	W8/ME/M/ REPLICATE 2	W8/ME/B/ REPLICATE 1	W8/ME/B/ REPLICATE 2
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-026	HK2427022-027	HK2427022-028	HK2427022-029	HK2427022-030
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	2	2	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.03	0.05	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.43	1.40	1.45	1.43	1.44
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.47	1.45	1.48	1.48	1.50
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.1	0.1	<0.1	<0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.47	1.45	1.48	1.48	1.50
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.03	0.02	0.02
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3*	3*	3*	1*	NOT DETECTED



Sub-Matrix: WATER				Sample ID	W7/ME/S/ REPLICATE 1	W7/ME/S/ REPLICATE 2	W7/ME/M/ REPLICATE 1	W7/ME/M/ REPLICATE 2	W7/ME/B/ REPLICATE 1
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-031	HK2427022-032	HK2427022-033	HK2427022-034	HK2427022-035
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	<2	4	3	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.05	0.05	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.44	1.42	1.41	1.36	1.43
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.48	1.48	1.46	1.41	1.47
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		<0.1	<0.1	0.1	0.2	<0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.48	1.48	1.46	1.41	1.47
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.02	0.02	0.02	0.03	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3*	7*	4*	2*	1*



Sub-Matrix: WATER				Sample ID	W7/ME/B/ REPLICATE 2	W6/ME/S/ REPLICATE 1	W6/ME/S/ REPLICATE 2	W6/ME/M/ REPLICATE 1	W6/ME/M/ REPLICATE 2
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-036	HK2427022-037	HK2427022-038	HK2427022-039	HK2427022-040
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	4	3	3	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.04	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.45	1.44	1.42	1.45	1.39
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.48	1.48	1.46	1.50	1.44
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		<0.1	0.1	0.1	<0.1	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.48	1.48	1.46	1.50	1.44
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.04	0.02	0.02
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1*	NOT DETECTED	2*	1*	1*



Sub-Matrix: WATER				Sample ID	W6/ME/B/ REPLICATE 1	W6/ME/B/ REPLICATE 2	W3/ME/S/ REPLICATE 1	W3/ME/S/ REPLICATE 2	W3/ME/M/ REPLICATE 1
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-041	HK2427022-042	HK2427022-043	HK2427022-044	HK2427022-045
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	3	5	2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.01	0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.06	0.06	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.42	1.41	1.43	1.43	1.42
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.46	1.45	1.49	1.49	1.46
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.1	<0.1	<0.1	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.48	1.46	1.49	1.49	1.46
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.02	0.02	0.03	0.02	0.02
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2*	3*	5*	3*	4*



Sub-Matrix: WATER				Sample ID	W3/ME/M/ REPLICATE 2	W3/ME/B/ REPLICATE 1	W3/ME/B/ REPLICATE 2	DB1/ME/M/ REPLICATE 1	DB1/ME/M/ REPLICATE 2
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-046	HK2427022-047	HK2427022-048	HK2427022-051	HK2427022-052
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	4	14	12
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.03	0.03	0.08	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.40	1.40	1.41	1.29	1.31
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.43	1.43	1.45	1.37	1.37
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.1	0.1	----	----
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		---	---	---	0.3	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.43	1.43	1.45	1.37	1.37
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.02	0.03	0.13	0.13
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1*	2*	1*	NOT DETECTED	3*



Sub-Matrix: WATER				Sample ID	E24/ME/M/ REPLICATE 1	E24/ME/M/ REPLICATE 2	E27/ME/M/ REPLICATE 1	E27/ME/M/ REPLICATE 2	E25/ME/M/ REPLICATE 1
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-057	HK2427022-058	HK2427022-063	HK2427022-064	HK2427022-069
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		12	12	33	40	41
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	0.03	0.02	0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.06	0.14	0.14	0.15
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.31	1.31	1.76	1.73	1.73
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.37	1.38	1.89	1.87	1.88
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.2	1.0	1.0	1.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	2.9	2.9	2.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.37	1.38	1.92	1.89	1.89
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.14	0.14	0.41	0.41	0.40
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	3	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2*	5*	95	87	97



Sub-Matrix: WATER				Sample ID	E25/ME/M/ REPLICATE 2	E26/ME/S/ REPLICATE 1	E26/ME/S/ REPLICATE 2	E26/ME/B/ REPLICATE 1	E26/ME/B/ REPLICATE 2
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-070	HK2427022-073	HK2427022-074	HK2427022-077	HK2427022-078
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		38	38	42	40	40
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.15	0.14	0.15	0.14	0.16
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.74	1.73	1.72	1.71	1.69
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.89	1.87	1.87	1.85	1.85
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.9	0.9	1.0	1.0	1.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.8	2.8	2.9	2.9	2.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.89	1.87	1.87	1.85	1.85
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.40	0.39	0.40	0.40	0.40
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		2	3	3	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		120	42	38	780	560



Sub-Matrix: WATER				Sample ID	KT1/ME/M/ REPLICATE 1	KT1/ME/M/ REPLICATE 2	E28/ME/M/ REPLICATE 1	E28/ME/M/ REPLICATE 2	SP1/ME/M/ REPLICATE 1
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-081	HK2427022-082	HK2427022-087	HK2427022-088	HK2427022-093
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		41	40	46	48	44
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	0.01	0.06	0.05	0.04
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.16	0.18	0.15	0.15	0.15
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.72	1.72	1.74	1.63	1.61
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.88	1.89	1.88	1.77	1.76
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.2	1.1	1.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.9	2.9	3.0	2.9	2.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.88	1.90	1.94	1.83	1.80
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.41	0.42	0.42	0.40	0.41
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	2	3	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		65	77	620	890	510



Sub-Matrix: WATER				Sample ID	SP1/ME/M/ REPLICATE 2	W5/MF/S/ REPLICATE 1	W5/MF/S/ REPLICATE 2	W5/MF/M/ REPLICATE 1	W5/MF/M/ REPLICATE 2
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-094	HK2427022-097	HK2427022-098	HK2427022-099	HK2427022-100
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		42	4	4	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.06	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.16	0.04	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.75	1.43	1.39	1.40	1.44
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.91	1.47	1.44	1.44	1.48
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		---	0.1	0.2	0.2	0.1
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.0	---	---	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.9	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.97	1.47	1.44	1.44	1.48
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.42	0.03	0.03	0.03	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		620	2*	9	12	12



Sub-Matrix: WATER				Sample ID	W5/MF/B/ REPLICATE 1	W5/MF/B/ REPLICATE 2	W1/MF/S/ REPLICATE 1	W1/MF/S/ REPLICATE 2	W1/MF/M/ REPLICATE 1
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-101	HK2427022-102	HK2427022-103	HK2427022-104	HK2427022-105
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	4	2	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.05	0.05	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.44	1.44	1.42	1.37	1.42
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.47	1.50	1.47	1.42	1.46
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.1	0.2	0.2	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.7	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.47	1.50	1.47	1.42	1.46
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.03	0.03	0.02
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		4*	4*	NOT DETECTED	NOT DETECTED	2*



Sub-Matrix: WATER				Sample ID	W1/MF/M/ REPLICATE 2	W1/MF/B/ REPLICATE 1	W1/MF/B/ REPLICATE 2	W2/MF/S/ REPLICATE 1	W2/MF/S/ REPLICATE 2
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-106	HK2427022-107	HK2427022-108	HK2427022-109	HK2427022-110
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	2	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.05	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.42	1.42	1.42	1.40	1.39
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.46	1.46	1.47	1.44	1.44
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.1	<0.1	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.47	1.46	1.47	1.44	1.44
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.04	0.03	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1*	1*	1*	NOT DETECTED	4*



Sub-Matrix: WATER			Sample ID	W2/MF/M/ REPLICATE 1	W2/MF/M/ REPLICATE 2	W2/MF/B/ REPLICATE 1	W2/MF/B/ REPLICATE 2	W4/MF/S/ REPLICATE 1	
				Sampling date / time					11-Jul-2024
Compound	CAS Number	LOR	Unit	HK2427022-111	HK2427022-112	HK2427022-113	HK2427022-114	HK2427022-115	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	3	2	3	4	<2	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.03	0.04	0.04	0.04	0.03	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.42	1.43	1.39	1.40	1.44	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.45	1.47	1.43	1.44	1.48	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.1	0.1	---	0.2	0.1	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	---	---	0.2	---	---	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	1.7	1.6	1.6	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.45	1.47	1.43	1.44	1.48	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.03	0.03	0.04	0.03	0.03	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	1*	2*	4*	1*	5*	



Sub-Matrix: WATER				Sample ID	W4/MF/S/ REPLICATE 2	W4/MF/M/ REPLICATE 1	W4/MF/M/ REPLICATE 2	W4/MF/B/ REPLICATE 1	W4/MF/B/ REPLICATE 2
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-116	HK2427022-117	HK2427022-118	HK2427022-119	HK2427022-120
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	2	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.03	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.44	1.43	1.42	1.43	1.42
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.47	1.47	1.46	1.47	1.46
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.1	0.1	0.1	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.47	1.47	1.46	1.47	1.46
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.02	0.03	0.03	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2*	2*	5*	2*	2*



Sub-Matrix: WATER				Sample ID	W8/MF/S/ REPLICATE 1	W8/MF/S/ REPLICATE 2	W8/MF/M/ REPLICATE 1	W8/MF/M/ REPLICATE 2	W8/MF/B/ REPLICATE 1
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-121	HK2427022-122	HK2427022-123	HK2427022-124	HK2427022-125
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	3	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.03	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.41	1.43	1.40	1.42	1.40
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.46	1.46	1.45	1.46	1.45
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.1	0.2	0.1	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.46	1.46	1.45	1.46	1.45
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.04	0.04	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2*	1*	NOT DETECTED	1*	1*



Sub-Matrix: WATER				Sample ID	W8/MF/B/ REPLICATE 2	W7/MF/S/ REPLICATE 1	W7/MF/S/ REPLICATE 2	W7/MF/M/ REPLICATE 1	W7/MF/M/ REPLICATE 2
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-126	HK2427022-127	HK2427022-128	HK2427022-129	HK2427022-130
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	2	3	3	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.42	1.41	1.39	1.42	1.40
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.46	1.45	1.44	1.45	1.44
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.1	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.46	1.45	1.44	1.45	1.44
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.03	0.03	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2*	3*	NOT DETECTED	1*	1*



Sub-Matrix: WATER				Sample ID	W7/MF/B/ REPLICATE 1	W7/MF/B/ REPLICATE 2	W6/MF/S/ REPLICATE 1	W6/MF/S/ REPLICATE 2	W6/MF/M/ REPLICATE 1
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-131	HK2427022-132	HK2427022-133	HK2427022-134	HK2427022-135
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	4	4	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.03	0.03	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.38	1.40	1.39	1.40	1.41
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.42	1.44	1.42	1.43	1.45
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		---	---	---	---	0.2
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.4	0.2	0.2	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.8	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.42	1.44	1.42	1.43	1.45
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.05	0.03	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1*	6*	2*	NOT DETECTED	NOT DETECTED



Sub-Matrix: WATER				Sample ID	W6/MF/M/ REPLICATE 2	W6/MF/B/ REPLICATE 1	W6/MF/B/ REPLICATE 2	W3/MF/S/ REPLICATE 1	W3/MF/S/ REPLICATE 2
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-136	HK2427022-137	HK2427022-138	HK2427022-139	HK2427022-140
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		8	<2	5	5	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.04	0.04	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.39	1.41	1.42	1.43	1.42
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.44	1.44	1.46	1.46	1.45
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.44	1.44	1.46	1.46	1.45
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.03	0.03	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2*	4*	2*	1*	2*



Sub-Matrix: WATER				Sample ID	W3/MF/M/ REPLICATE 1	W3/MF/M/ REPLICATE 2	W3/MF/B/ REPLICATE 1	W3/MF/B/ REPLICATE 2	DB1/MF/M/ REPLICATE 1
Sampling date / time				11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit	HK2427022-141	HK2427022-142	HK2427022-143	HK2427022-144	HK2427022-147	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	4	3	3	<2	11	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.05	0.03	0.03	0.04	0.07	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.40	1.44	1.42	1.40	1.30	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.46	1.47	1.45	1.44	1.38	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	---	0.1	0.2	0.2	---	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	---	---	---	0.3	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	1.6	1.6	1.7	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.46	1.47	1.45	1.44	1.38	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.03	0.04	0.03	0.02	0.13	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	2*	NOT DETECTED	2*	NOT DETECTED	NOT DETECTED	



Sub-Matrix: WATER				Sample ID	DB1/MF/M/ REPLICATE 2	E24/MF/M/ REPLICATE 1	E24/MF/M/ REPLICATE 2	E27/MF/M/ REPLICATE 1	E27/MF/M/ REPLICATE 2
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-148	HK2427022-153	HK2427022-154	HK2427022-159	HK2427022-160
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		9	12	13	44	44
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	0.02	0.02
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.08	0.07	0.07	0.16	0.15
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.30	1.31	1.33	1.74	1.75
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.38	1.38	1.40	1.90	1.90
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.3	1.0	0.9
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.7	2.9	2.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.38	1.38	1.40	1.93	1.92
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.14	0.14	0.14	0.41	0.42
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2*	1*	NOT DETECTED	980	830



Sub-Matrix: WATER				Sample ID	E25/MF/M/ REPLICATE 1	E25/MF/M/ REPLICATE 2	E26/MF/S/ REPLICATE 1	E26/MF/S/ REPLICATE 2	E26/MF/B/ REPLICATE 1
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-165	HK2427022-166	HK2427022-169	HK2427022-170	HK2427022-173
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		38	37	38	40	41
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.15	0.15	0.19	0.14	0.14
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.75	1.74	1.68	1.73	1.68
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.89	1.89	1.87	1.88	1.83
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.9	1.0	1.1	1.0	1.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.8	2.8	3.0	2.9	2.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.89	1.89	1.87	1.88	1.83
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.39	0.39	0.42	0.41	0.40
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	3	3	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		680	370	210	120	830



Sub-Matrix: WATER				Sample ID	E26/MF/B/ REPLICATE 2	KT1/MF/M/ REPLICATE 1	KT1/MF/M/ REPLICATE 2	E28/MF/M/ REPLICATE 1	E28/MF/M/ REPLICATE 2
				Sampling date / time	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024	11-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427022-174	HK2427022-177	HK2427022-178	HK2427022-183	HK2427022-184
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		42	41	41	46	45
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.15	0.14	0.15	0.14	0.14
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.70	1.62	1.70	1.70	1.76
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.86	1.76	1.85	1.84	1.90
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.0	1.1	1.0	1.0	1.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.9	2.8	2.8	2.8	2.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.86	1.76	1.85	1.84	1.90
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.40	0.39	0.41	0.39	0.41
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	3	3	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		720	200	430	310	480



Sub-Matrix: WATER				Sample ID	SP1/MF/M/ REPLICATE 1	SP1/MF/M/ REPLICATE 2	---	---	---
				Sampling date / time	11-Jul-2024	11-Jul-2024	---	---	---
Compound	CAS Number	LOR	Unit		HK2427022-189	HK2427022-190	-----	-----	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		42	46	---	---	---
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	---	---	---
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.15	0.16	---	---	---
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.71	1.71	---	---	---
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.86	1.86	---	---	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.0	1.0	---	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		2.8	2.9	---	---	---
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.86	1.86	---	---	---
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.40	0.40	---	---	---
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	3	---	---	---
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		800	900	---	---	---

----- END OF REPORT -----

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5921923)								
HK2427022-001	W5/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	5	5	0.0
HK2427022-011	W1/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5921924)								
HK2427022-021	W4/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	2	2	0.0
HK2427022-031	W7/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5921925)								
HK2427022-041	W6/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
HK2427022-057	E24/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	12	13	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5921926)								
HK2427022-081	KT1/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	41	42	0.0
HK2427022-101	W5/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5921927)								
HK2427022-111	W2/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
HK2427022-121	W8/MF/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5921928)								
HK2427022-131	W7/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	5	0.0
HK2427022-141	W3/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5921929)								
HK2427022-165	E25/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	38	38	0.0
HK2427022-189	SP1/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	42	43	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919958)								
HK2427022-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.04	# 26.2
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919959)								
HK2427022-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.45	1.48	2.2
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919960)								
HK2427022-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.03	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919961)								

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919961) - Continued								
HK2427022-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.47	1.46	0.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919962)								
HK2427022-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919963)								
HK2427022-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.46	1.47	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919964)								
HK2427022-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.16	0.16	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919965)								
HK2427022-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.88	1.89	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919966)								
HK2427022-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.03	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919967)								
HK2427022-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.45	1.39	4.3
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919968)								
HK2427022-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919969)								
HK2427022-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.42	1.41	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919970)								
HK2427022-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.15	0.16	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919971)								
HK2427022-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.89	1.91	1.1
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920046)								
HK2427022-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920047)								
HK2427022-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920048)								
HK2427022-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920049)								
HK2427022-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920050)								
HK2427022-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920051)								



Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920051) - Continued								
HK2427022-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920052)								
HK2427022-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937605)								
HK2427022-020	W4/ME/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.5	1.5	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937606)								
HK2427022-020	W4/ME/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.02	0.02	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937607)								
HK2427022-040	W6/ME/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937608)								
HK2427022-040	W6/ME/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.02	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937609)								
HK2427022-078	E26/ME/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	2.8	2.9	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937610)								
HK2427022-078	E26/ME/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.40	0.40	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937611)								
HK2427022-110	W2/MF/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937612)								
HK2427022-110	W2/MF/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.03	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937613)								
HK2427022-130	W7/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937614)								
HK2427022-130	W7/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.03	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937615)								
HK2427022-160	E27/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	2.8	3.0	6.1
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937616)								
HK2427022-160	E27/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.42	0.40	5.3
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937617)								
HK2427022-190	SP1/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	2.9	2.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937618)								
HK2427022-190	SP1/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.40	0.39	3.2



Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result		LCS	DCS	Low	High
EA/ED: Physical and Aggregate Properties (QC Lot: 5921923)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	106	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5921924)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	106	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5921925)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	104	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5921926)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	106	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5921927)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	93.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5921928)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	97.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5921929)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	92.0	----	85.7	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919958)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	96.4	----	78.8	120	----	----
					<0.01	0.4 mg/L	100	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919959)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	97.2	----	86.0	124	----	----
					<0.01	0.4 mg/L	109	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919960)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	98.6	----	78.8	120	----	----
					<0.01	0.4 mg/L	102	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919961)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	103	----	86.0	124	----	----
					<0.01	0.4 mg/L	108	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919962)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	92.4	----	78.8	120	----	----

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919962) - Continued											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.4 mg/L	102	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919963)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	109	----	86.0	124	----	----
				<0.01	0.4 mg/L	110	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919964)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	91.6	----	78.8	120	----	----
				<0.01	0.4 mg/L	100	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919965)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	115	----	86.0	124	----	----
				<0.01	0.4 mg/L	110	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919966)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	96.8	----	78.8	120	----	----
				<0.01	0.4 mg/L	103	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919967)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	111	----	86.0	124	----	----
				<0.01	0.4 mg/L	112	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919968)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	90.8	----	78.8	120	----	----
				<0.01	0.4 mg/L	101	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919969)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	105	----	86.0	124	----	----
				<0.01	0.4 mg/L	112	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919970)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	86.6	----	78.8	120	----	----
				<0.01	0.4 mg/L	101	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919971)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	106	----	86.0	124	----	----
				<0.01	0.4 mg/L	112	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920046)											

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920046) - Continued											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	106	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920047)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	99.5	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920048)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	99.6	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920049)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	104	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920050)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	101	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920051)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	103	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920052)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	91.2	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937605)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	109	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937606)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	94.3	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937607)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	111	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937608)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	96.0	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937609)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	110	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937610)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	95.9	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937611)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	112	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937612)											



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937612) - Continued												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	95.9	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937613)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	110	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937614)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	95.1	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937615)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	107	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937616)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	93.8	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937617)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	102	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937618)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	93.5	----	93.1	103	----	----
EP: Aggregate Organics (QC Lot: 5921139)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	92.1	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5921140)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	109	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5921141)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	108	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5921142)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	102	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5921143)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	110	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5921144)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	103	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5921145)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	100	----	77.6	118	----	----



Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919958)										
HK2427022-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	96.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919959)										
HK2427022-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919960)										
HK2427022-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	105	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919961)										
HK2427022-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	95.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919962)										
HK2427022-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	108	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919963)										
HK2427022-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	99.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919964)										
HK2427022-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	98.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919965)										
HK2427022-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	88.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919966)										
HK2427022-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919967)										
HK2427022-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	98.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919968)										
HK2427022-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	102	----	75.0	125	----	----



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919969)										
HK2427022-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	96.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919970)										
HK2427022-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	107	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5919971)										
HK2427022-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	87.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920046)										
HK2427022-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	113	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920047)										
HK2427022-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	114	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920048)										
HK2427022-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	84.9	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920049)										
HK2427022-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	79.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920050)										
HK2427022-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	89.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920051)										
HK2427022-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	113	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5920052)										
HK2427022-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	81.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937605)										
HK2427022-020	W4/ME/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	1 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937606)										
HK2427022-020	W4/ME/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	94.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937607)										
HK2427022-040	W6/ME/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	1 mg/L	100	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937608)										
HK2427022-040	W6/ME/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	92.8	----	75.0	125	----	----



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number		MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937609)										
HK2427022-078	E26/ME/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	1 mg/L	87.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937610)										
HK2427022-078	E26/ME/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	98.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937611)										
HK2427022-110	W2/MF/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	1 mg/L	97.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937612)										
HK2427022-110	W2/MF/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	93.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937613)										
HK2427022-130	W7/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	1 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937614)										
HK2427022-130	W7/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	94.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937615)										
HK2427022-160	E27/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	1 mg/L	87.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937616)										
HK2427022-160	E27/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	95.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937617)										
HK2427022-190	SP1/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	1 mg/L	76.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5937618)										
HK2427022-190	SP1/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	96.3	----	75.0	125	----	----



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 40
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2427551
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong	Amendment	: 1
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Telephone	: —	Telephone	: +852 2610 1044		
Facsimile	: —	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 13-Jul-2024
Order number	: —	Quote number	: HKE/1756/2024_V2	Issue Date	: 08-Aug-2024
C-O-C number	: —			No. of samples received	: 132
Site	: —			No. of samples analysed	: 132

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This document has been signed by those names that appear on this report and are the authorised signatories.

<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
 Fung Lim Chee, Richard	Managing Director	Inorganics
 Ng Sin Kou, May	Laboratory Manager	Microbiology_ENV



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 13-Jul-2024 to 31-Jul-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2427551

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.

Microbiological sample(s) were collected in 125mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 18:00.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

* denoted the estimated count; Result based on a count outside of standard method's countable range.

This is an amendment of the Certificate of Analysis.

The comment(s) has/ have been added.

The result(s) of the analyte(s) Nitrite of test code EK057A for sample HK2427551-033 has been amended.

EK061P - Total Kjeldahl Nitrogen is the difference of Total Nitrogen and Total Oxidizable Nitrogen.

EK063A - Total Inorganic Nitrogen is the sum of the Total Oxidizable Nitrogen and Ammonical Nitrogen.



Analytical Results

Sub-Matrix: WATER

Sample ID

Sampling date / time

				W5/ME/S/ REPLICATE 1	W5/ME/S/ REPLICATE 2	W5/ME/M/ REPLICATE 1	W5/ME/M/ REPLICATE 2	W5/ME/B/ REPLICATE 1
				13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit	HK2427551-001	HK2427551-002	HK2427551-003	HK2427551-004	HK2427551-005
EA/ED: Physical and Aggregate Properties								
EA025: Suspended Solids (SS)	----	2	mg/L	3	3	3	2	3
ED/EK: Inorganic Nonmetallic Parameters								
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.04	0.04	0.06	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.49	1.54	1.54	1.59	1.58
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.55	1.59	1.58	1.64	1.61
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	0.1	0.1	0.2	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.7	1.7	1.8	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.55	1.59	1.58	1.64	1.61
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.03	0.03	0.03	0.03	0.03
EP: Aggregate Organics								
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2
EM: Microbiological Testing								
EM019: Escherichia coli	----	1	CFU/100mL	4*	2*	5*	NOT DETECTED	3*



Sub-Matrix: WATER				Sample ID	W5/ME/B/ REPLICATE 2	W1/ME/S/ REPLICATE 1	W1/ME/S/ REPLICATE 2	W1/ME/M/ REPLICATE 1	W1/ME/M/ REPLICATE 2
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-006	HK2427551-007	HK2427551-008	HK2427551-009	HK2427551-010
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	3	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.03	0.02	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.58	1.53	1.53	1.55	1.58
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.61	1.56	1.56	1.58	1.62
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.2	0.1	0.3	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.7	1.9	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.61	1.56	1.56	1.58	1.62
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.03	0.03	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		4*	1*	2*	1*	1*



Sub-Matrix: WATER				Sample ID	W1/ME/B/ REPLICATE 1	W1/ME/B/ REPLICATE 2	W2/ME/S/ REPLICATE 1	W2/ME/S/ REPLICATE 2	W2/ME/M/ REPLICATE 1
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-011	HK2427551-012	HK2427551-013	HK2427551-014	HK2427551-015
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	3	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.05	0.05	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.57	1.55	1.45	1.50	1.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.60	1.60	1.50	1.53	1.53
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.1	0.1	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.6	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.60	1.60	1.50	1.53	1.53
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.03	0.05	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3*	NOT DETECTED	2*	2*	NOT DETECTED



Sub-Matrix: WATER				Sample ID	W2/ME/M/ REPLICATE 2	W2/ME/B/ REPLICATE 1	W2/ME/B/ REPLICATE 2	W4/ME/S/ REPLICATE 1	W4/ME/S/ REPLICATE 2
Sampling date / time					13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-016	HK2427551-017	HK2427551-018	HK2427551-019	HK2427551-020
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	3	4	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.03	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.48	1.50	1.48	1.49	1.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.51	1.52	1.52	1.53	1.53
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.1	0.1	0.1	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.7	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.51	1.52	1.52	1.53	1.53
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.03	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1*	1*	2*	NOT DETECTED	3*



Sub-Matrix: WATER				Sample ID	W4/ME/M/ REPLICATE 1	W4/ME/M/ REPLICATE 2	W4/ME/B/ REPLICATE 1	W4/ME/B/ REPLICATE 2	W8/ME/S/ REPLICATE 1
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-021	HK2427551-022	HK2427551-023	HK2427551-024	HK2427551-025
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	3	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.03	0.05	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.48	1.48	1.53	1.48	1.55
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.52	1.52	1.58	1.52	1.60
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.1	0.1	<0.1	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.7	1.6	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.52	1.52	1.58	1.52	1.60
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.03	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1*	2*	2*	3*	NOT DETECTED



Sub-Matrix: WATER				Sample ID	W8/ME/S/ REPLICATE 2	W8/ME/M/ REPLICATE 1	W8/ME/M/ REPLICATE 2	W8/ME/B/ REPLICATE 1	W8/ME/B/ REPLICATE 2
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-026	HK2427551-027	HK2427551-028	HK2427551-029	HK2427551-030
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	3	3	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.04	0.04	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.54	1.55	1.53	1.56	1.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.58	1.59	1.57	1.59	1.55
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.8	1.7	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.58	1.59	1.57	1.59	1.55
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.03	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		NOT DETECTED	1*	1*	NOT DETECTED	NOT DETECTED



Sub-Matrix: WATER				Sample ID	W7/ME/S/ REPLICATE 1	W7/ME/S/ REPLICATE 2	W7/ME/M/ REPLICATE 1	W7/ME/M/ REPLICATE 2	W7/ME/B/ REPLICATE 1
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-031	HK2427551-032	HK2427551-033	HK2427551-034	HK2427551-035
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	3	3	3	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.03	0.02	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.49	1.54	1.63	1.50	1.51
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.52	1.57	1.65	1.53	1.55
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.2	0.2	0.1	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.8	1.6	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.52	1.57	1.65	1.53	1.55
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.03	0.03	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		NOT DETECTED	4*	NOT DETECTED	1*	NOT DETECTED



Sub-Matrix: WATER				Sample ID	W7/ME/B/ REPLICATE 2	W6/ME/S/ REPLICATE 1	W6/ME/S/ REPLICATE 2	W6/ME/M/ REPLICATE 1	W6/ME/M/ REPLICATE 2
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-036	HK2427551-037	HK2427551-038	HK2427551-039	HK2427551-040
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	4	4	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.51	1.49	1.50	1.51	1.43
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.54	1.53	1.54	1.55	1.48
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.2	0.1	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.7	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.54	1.53	1.54	1.55	1.48
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		4*	1*	2*	1*	2*



Sub-Matrix: WATER				Sample ID	W6/ME/B/ REPLICATE 1	W6/ME/B/ REPLICATE 2	W3/ME/S/ REPLICATE 1	W3/ME/S/ REPLICATE 2	W3/ME/M/ REPLICATE 1
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-041	HK2427551-042	HK2427551-043	HK2427551-044	HK2427551-045
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	2	3	3	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.03	0.04	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.46	1.48	1.50	1.51	1.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.50	1.51	1.55	1.55	1.53
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	<0.1	<0.1	<0.1	<0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.50	1.51	1.55	1.55	1.53
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.03	0.03	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		NOT DETECTED	1*	NOT DETECTED	3*	NOT DETECTED



Sub-Matrix: WATER				Sample ID	W3/ME/M/ REPLICATE 2	W3/ME/B/ REPLICATE 1	W3/ME/B/ REPLICATE 2	DB1/ME/M/ REPLICATE 1	DB1/ME/M/ REPLICATE 2
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-046	HK2427551-047	HK2427551-048	HK2427551-051	HK2427551-052
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	3	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.05	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.50	1.48	1.45	1.17	1.17
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.53	1.51	1.50	1.21	1.20
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		<0.1	<0.1	0.1	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.5	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.53	1.51	1.50	1.21	1.20
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.03	0.14	0.14
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		NOT DETECTED	1*	1*	5*	NOT DETECTED



Sub-Matrix: WATER				Sample ID	E24/ME/M/ REPLICATE 1	E24/ME/M/ REPLICATE 2	E27/ME/M/ REPLICATE 1	E27/ME/M/ REPLICATE 2	E25/ME/M/ REPLICATE 1
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-057	HK2427551-058	HK2427551-063	HK2427551-064	HK2427551-069
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	42	43	39
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	3.38	3.17	3.19
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.03	0.18	0.19	0.18
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.18	1.18	1.05	1.08	1.14
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.21	1.21	1.23	1.27	1.32
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	4.0	3.9	3.8
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.5	5.2	5.2	5.2
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.21	1.21	4.61	4.44	4.51
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.14	0.14	0.66	0.65	0.65
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		6*	4*	2600	3700	3600



Sub-Matrix: WATER				Sample ID	E25/ME/M/ REPLICATE 2	E26/ME/S/ REPLICATE 1	E26/ME/S/ REPLICATE 2	E26/ME/B/ REPLICATE 1	E26/ME/B/ REPLICATE 2
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-070	HK2427551-073	HK2427551-074	HK2427551-077	HK2427551-078
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		40	38	38	38	41
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.30	2.97	3.06	3.21	2.79
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.17	0.17	0.17	0.17	0.16
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.05	1.09	1.12	1.14	1.16
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.22	1.26	1.29	1.31	1.33
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.0	4.0	3.9	3.8	4.6
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.2	5.2	5.2	5.1	5.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.53	4.23	4.35	4.52	4.12
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.67	0.67	0.65	0.66	0.64
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	5	5	5	5
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		4900	3100	4300	4500	3300



Sub-Matrix: WATER				Sample ID	KT1/ME/M/ REPLICATE 1	KT1/ME/M/ REPLICATE 2	E28/ME/M/ REPLICATE 1	E28/ME/M/ REPLICATE 2	SP1/ME/M/ REPLICATE 1
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-081	HK2427551-082	HK2427551-087	HK2427551-088	HK2427551-093
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		41	41	42	42	41
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.10	3.00	3.02	3.10	2.51
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.17	0.17	0.18	0.18
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.12	1.11	1.14	1.15	1.12
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.30	1.28	1.30	1.33	1.30
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		3.9	3.9	3.9	3.7	3.9
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.2	5.2	5.2	5.1	5.2
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.40	4.28	4.32	4.43	3.81
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.65	0.66	0.64	0.65	0.65
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		6	5	5	4	6
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1800	3400	1200	1700	4200



Sub-Matrix: WATER				Sample ID	SP1/ME/M/ REPLICATE 2	W5/MF/S/ REPLICATE 1	W5/MF/S/ REPLICATE 2	W5/MF/M/ REPLICATE 1	W5/MF/M/ REPLICATE 2
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-094	HK2427551-097	HK2427551-098	HK2427551-099	HK2427551-100
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		43	2	2	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		2.91	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.04	0.04	0.06	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.09	1.50	1.48	1.54	1.55
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.28	1.53	1.51	1.60	1.59
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		3.9	0.1	<0.1	<0.1	<0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.2	1.7	1.6	1.6	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.20	1.53	1.51	1.60	1.59
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.66	0.04	0.03	0.03	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		6	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		5500	2*	NOT DETECTED	3*	2*



Sub-Matrix: WATER				Sample ID	W5/MF/B/ REPLICATE 1	W5/MF/B/ REPLICATE 2	W1/MF/S/ REPLICATE 1	W1/MF/S/ REPLICATE 2	W1/MF/M/ REPLICATE 1
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-101	HK2427551-102	HK2427551-103	HK2427551-104	HK2427551-105
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	2	3	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.06	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.54	1.70	1.62	1.74	1.72
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.58	1.74	1.68	1.79	1.76
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		<0.1	<0.1	<0.1	<0.1	<0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.8	1.7	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.58	1.74	1.68	1.79	1.76
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.03	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2*	3*	1*	5*	NOT DETECTED



Sub-Matrix: WATER				Sample ID	W1/MF/M/ REPLICATE 2	W1/MF/B/ REPLICATE 1	W1/MF/B/ REPLICATE 2	W2/MF/S/ REPLICATE 1	W2/MF/S/ REPLICATE 2
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-106	HK2427551-107	HK2427551-108	HK2427551-109	HK2427551-110
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	2	2	2	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.04	0.05	0.05	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.72	1.71	1.75	1.74	1.68
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.77	1.75	1.80	1.78	1.71
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		<0.1	0.1	<0.1	<0.1	<0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.77	1.75	1.80	1.78	1.71
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		10	5*	NOT DETECTED	NOT DETECTED	3*



Sub-Matrix: WATER				Sample ID	W2/MF/M/ REPLICATE 1	W2/MF/M/ REPLICATE 2	W2/MF/B/ REPLICATE 1	W2/MF/B/ REPLICATE 2	W4/MF/S/ REPLICATE 1
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-111	HK2427551-112	HK2427551-113	HK2427551-114	HK2427551-115
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	2	2	2	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.05	0.05	0.06	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.71	1.69	1.69	1.70	1.72
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.75	1.74	1.74	1.76	1.76
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		<0.1	<0.1	<0.1	<0.1	<0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.75	1.74	1.74	1.76	1.76
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.03	0.03	0.03	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2*	2*	NOT DETECTED	2*	2*



Sub-Matrix: WATER				Sample ID	W4/MF/S/ REPLICATE 2	W4/MF/M/ REPLICATE 1	W4/MF/M/ REPLICATE 2	W4/MF/B/ REPLICATE 1	W4/MF/B/ REPLICATE 2
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-116	HK2427551-117	HK2427551-118	HK2427551-119	HK2427551-120
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	2	2	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.04	0.04	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.73	1.66	1.54	1.70	1.55
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.78	1.70	1.58	1.75	1.60
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		<0.1	0.1	<0.1	0.1	<0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.6	1.9	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.78	1.70	1.58	1.75	1.60
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.03	0.04	0.02
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1*	3*	1*	3*	3*



Sub-Matrix: WATER				Sample ID	W8/MF/S/ REPLICATE 1	W8/MF/S/ REPLICATE 2	W8/MF/M/ REPLICATE 1	W8/MF/M/ REPLICATE 2	W8/MF/B/ REPLICATE 1
Sampling date / time					13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-121	HK2427551-122	HK2427551-123	HK2427551-124	HK2427551-125
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	3	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.05	0.05	0.05	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.55	1.57	1.56	1.57	1.50
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.58	1.62	1.61	1.62	1.56
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.1	0.2	0.1	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.7	1.8	1.7	1.7
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.58	1.62	1.61	1.62	1.56
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.04	0.04	0.04	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		NOT DETECTED	1*	4*	2*	4*



Sub-Matrix: WATER				Sample ID	W8/MF/B/ REPLICATE 2	W7/MF/S/ REPLICATE 1	W7/MF/S/ REPLICATE 2	W7/MF/M/ REPLICATE 1	W7/MF/M/ REPLICATE 2
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-126	HK2427551-127	HK2427551-128	HK2427551-129	HK2427551-130
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	3	4	2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.05	0.03	0.06	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.48	1.55	1.59	1.57	1.61
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.55	1.61	1.62	1.63	1.65
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.1	0.1	0.1	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.8	1.8	1.8	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.55	1.61	1.62	1.63	1.65
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1*	NOT DETECTED	NOT DETECTED	3*	NOT DETECTED



Sub-Matrix: WATER				Sample ID	W7/MF/B/ REPLICATE 1	W7/MF/B/ REPLICATE 2	W6/MF/S/ REPLICATE 1	W6/MF/S/ REPLICATE 2	W6/MF/M/ REPLICATE 1
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-131	HK2427551-132	HK2427551-133	HK2427551-134	HK2427551-135
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	2	3	3	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.05	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.47	1.62	1.50	1.51	1.71
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.51	1.66	1.55	1.56	1.75
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.1	0.1	0.1	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.8	1.7	1.7	2.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.51	1.66	1.55	1.56	1.75
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3*	NOT DETECTED	NOT DETECTED	NOT DETECTED	1*



Sub-Matrix: WATER				Sample ID	W6/MF/M/ REPLICATE 2	W6/MF/B/ REPLICATE 1	W6/MF/B/ REPLICATE 2	W3/MF/S/ REPLICATE 1	W3/MF/S/ REPLICATE 2
Sampling date / time					13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-136	HK2427551-137	HK2427551-138	HK2427551-139	HK2427551-140
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	3	3	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.04	0.04	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.54	1.75	1.74	1.58	1.73
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.61	1.79	1.79	1.62	1.78
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.2	0.2	0.1	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	2.0	2.0	1.7	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.61	1.79	1.79	1.62	1.78
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		NOT DETECTED	2*	1*	2*	2*



Sub-Matrix: WATER				Sample ID	W3/MF/M/ REPLICATE 1	W3/MF/M/ REPLICATE 2	W3/MF/B/ REPLICATE 1	W3/MF/B/ REPLICATE 2	DB1/MF/M/ REPLICATE 1
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-141	HK2427551-142	HK2427551-143	HK2427551-144	HK2427551-147
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	3	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.03	0.05	0.05	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.56	1.62	1.52	1.59	1.20
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.60	1.65	1.57	1.64	1.26
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	<0.1	0.1	0.2	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.7	1.7	1.9	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.60	1.65	1.57	1.64	1.26
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.14
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		1*	1*	1*	1*	NOT DETECTED



Sub-Matrix: WATER				Sample ID	DB1/MF/M/ REPLICATE 2	E24/MF/M/ REPLICATE 1	E24/MF/M/ REPLICATE 2	E27/MF/M/ REPLICATE 1	E27/MF/M/ REPLICATE 2
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-148	HK2427551-153	HK2427551-154	HK2427551-159	HK2427551-160
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	2	3	46	43
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	3.15	3.00
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.05	0.04	0.19	0.18
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.21	1.19	1.23	1.14	1.15
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.25	1.24	1.27	1.33	1.33
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.3	4.0	4.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	5.3	5.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.25	1.24	1.27	4.48	4.34
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.14	0.14	0.14	0.68	0.69
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	4	3	5	5
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		2*	NOT DETECTED	NOT DETECTED	8900	9300



Sub-Matrix: WATER				Sample ID	E25/MF/M/ REPLICATE 1	E25/MF/M/ REPLICATE 2	E26/MF/S/ REPLICATE 1	E26/MF/S/ REPLICATE 2	E26/MF/B/ REPLICATE 1
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-165	HK2427551-166	HK2427551-169	HK2427551-170	HK2427551-173
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		38	37	44	43	45
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.06	3.01	2.84	3.01	3.12
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.19	0.18	0.18	0.18
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.12	1.12	1.14	1.16	1.17
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.31	1.31	1.32	1.34	1.35
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.1	3.9	3.9	4.0	4.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.4	5.2	5.3	5.3	5.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.37	4.32	4.16	4.35	4.48
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.70	0.67	0.68	0.69	0.67
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		6	6	5	5	6
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		7500	8100	9000	8500	7300



Sub-Matrix: WATER				Sample ID	E26/MF/B/ REPLICATE 2	KT1/MF/M/ REPLICATE 1	KT1/MF/M/ REPLICATE 2	E28/MF/M/ REPLICATE 1	E28/MF/M/ REPLICATE 2
				Sampling date / time	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024	13-Jul-2024
Compound	CAS Number	LOR	Unit		HK2427551-174	HK2427551-177	HK2427551-178	HK2427551-183	HK2427551-184
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		35	39	38	38	38
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.06	3.11	2.76	2.97	2.99
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.20	0.17	0.18	0.17	0.18
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.09	1.14	1.12	1.16	1.10
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.28	1.31	1.31	1.33	1.28
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		3.9	3.9	4.0	4.0	4.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.2	5.2	5.3	5.4	5.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.34	4.42	4.06	4.30	4.27
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.67	0.66	0.68	0.68	0.69
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		5	5	6	6	5
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		8600	5300	6500	8700	7200



Sub-Matrix: WATER				Sample ID	SP1/MF/M/ REPLICATE 1	SP1/MF/M/ REPLICATE 2	---	---	---
				Sampling date / time	13-Jul-2024	13-Jul-2024	---	---	---
Compound	CAS Number	LOR	Unit		HK2427551-189	HK2427551-190	-----	-----	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		40	38	---	---	---
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.17	3.09	---	---	---
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.19	0.17	---	---	---
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.10	1.13	---	---	---
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.30	1.30	---	---	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.7	4.7	---	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		6.0	6.0	---	---	---
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.47	4.39	---	---	---
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.67	0.68	---	---	---
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		5	5	---	---	---
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		7500	8900	---	---	---

----- END OF REPORT -----

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5925099)								
HK2427551-001	W5/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
HK2427551-011	W1/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5925100)								
HK2427551-021	W4/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
HK2427551-031	W7/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5925101)								
HK2427551-041	W6/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
HK2427551-057	E24/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5925102)								
HK2427551-081	KT1/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	41	42	3.4
HK2427551-101	W5/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5925103)								
HK2427551-111	W2/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	2	2	0.0
HK2427551-121	W8/MF/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5925104)								
HK2427551-131	W7/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	2	2	0.0
HK2427551-141	W3/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5925105)								
HK2427551-165	E25/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	38	39	0.0
HK2427551-189	SP1/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	40	42	2.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924342)								
HK2427551-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924343)								
HK2427551-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924344)								
HK2427551-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924345)								

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924345) - Continued								
HK2427551-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	3.10	3.09	0.3
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924346)								
HK2427551-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924347)								
HK2427551-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924348)								
HK2427551-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	3.06	3.04	0.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924862)								
HK2427551-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924863)								
HK2427551-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.55	1.59	2.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924864)								
HK2427551-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924865)								
HK2427551-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.52	1.53	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924866)								
HK2427551-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.03	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924867)								
HK2427551-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.50	1.47	1.6
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924868)								
HK2427551-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.18	0.19	6.1
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924869)								
HK2427551-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.30	1.30	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924870)								
HK2427551-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924871)								
HK2427551-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.75	1.74	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924872)								
HK2427551-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924873)								
HK2427551-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.51	1.52	0.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924874)								

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924874) - Continued								
HK2427551-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.18	0.18	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924875)								
HK2427551-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.31	1.34	2.6
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941836)								
HK2427551-020	W4/ME/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941837)								
HK2427551-020	W4/ME/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941838)								
HK2427551-040	W6/ME/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941839)								
HK2427551-040	W6/ME/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941840)								
HK2427551-078	E26/ME/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	5.9	6.0	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941841)								
HK2427551-078	E26/ME/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.64	0.64	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941842)								
HK2427551-110	W2/MF/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.8	1.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941843)								
HK2427551-110	W2/MF/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.03	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941844)								
HK2427551-120	W4/MF/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.7	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941845)								
HK2427551-120	W4/MF/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.02	0.02	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943196)								
HK2427551-130	W7/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.8	1.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943197)								
HK2427551-130	W7/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943198)								
HK2427551-160	E27/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	5.8	5.7	1.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943199)								
HK2427551-160	E27/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.69	0.67	1.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943200)								

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QC Lot: 5925099)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	99.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5925100)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	97.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5925101)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	104	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5925102)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	96.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5925103)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	102	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5925104)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	98.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5925105)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	95.5	----	85.7	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924342)												
EK055K: Ammonia as N		7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	93.8	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924343)												
EK055K: Ammonia as N		7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	97.0	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924344)												
EK055K: Ammonia as N		7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	94.3	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924345)												



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924345) - Continued											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	99.2	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924346)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	102	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924347)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	103	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924348)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	97.9	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924862)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	107	----	78.8	120	----	----
				<0.01	0.4 mg/L	109	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924863)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	107	----	86.0	124	----	----
				<0.01	0.4 mg/L	99.8	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924864)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	107	----	78.8	120	----	----
				<0.01	0.4 mg/L	111	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924865)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	111	----	86.0	124	----	----
				<0.01	0.4 mg/L	103	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924866)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	108	----	78.8	120	----	----
				<0.01	0.4 mg/L	111	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924867)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	109	----	86.0	124	----	----
				<0.01	0.4 mg/L	111	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924868)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	114	----	78.8	120	----	----
				<0.01	0.4 mg/L	110	----	98.6	114	----	----

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924869)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	114	----	86.0	124	----	----
					<0.01	0.4 mg/L	110	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924870)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	107	----	78.8	120	----	----
					<0.01	0.4 mg/L	111	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924871)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	107	----	86.0	124	----	----
					<0.01	0.4 mg/L	111	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924872)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	108	----	78.8	120	----	----
					<0.01	0.4 mg/L	112	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924873)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	108	----	86.0	124	----	----
					<0.01	0.4 mg/L	112	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924874)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	112	----	78.8	120	----	----
					<0.01	0.4 mg/L	112	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924875)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	112	----	86.0	124	----	----
					<0.01	0.4 mg/L	112	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941836)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	113	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941837)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	99.4	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941838)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	111	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941839)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	100	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941840)												

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941840) - Continued												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	109	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941841)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	100	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941842)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	106	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941843)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	99.7	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941844)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	104	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941845)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	99.4	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943196)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	106	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943197)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	101	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943198)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	109	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943199)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	102	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943200)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	100	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943201)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	101	----	93.1	103	----	----
EP: Aggregate Organics (QC Lot: 5924664)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	101	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5924691)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	105	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5924692)												



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit	
EP: Aggregate Organics (QC Lot: 5924692) - Continued												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	100	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5924693)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	98.2	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5924694)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	98.5	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5924695)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	99.5	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5924696)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	99.7	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5924697)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	104	----	77.6	118	----	----

Matrix: **WATER**

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
Laboratory sample ID	Sample ID	Method: Compound	CAS Number							
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924342)										
HK2427551-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	79.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924343)										
HK2427551-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924344)										
HK2427551-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	112	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924345)										
HK2427551-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	113	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924346)										
HK2427551-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	75.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924347)										
HK2427551-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	81.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924348)										
HK2427551-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	109	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924862)										
HK2427551-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	96.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924863)										
HK2427551-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	91.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924864)										
HK2427551-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924865)										
HK2427551-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	95.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924866)										
HK2427551-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924867)										

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
Laboratory sample ID	Sample ID	Method: Compound	CAS Number							
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924867) - Continued										
HK2427551-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	93.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924868)										
HK2427551-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924869)										
HK2427551-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	93.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924870)										
HK2427551-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924871)										
HK2427551-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	86.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924872)										
HK2427551-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924873)										
HK2427551-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	91.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924874)										
HK2427551-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	107	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5924875)										
HK2427551-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	99.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941836)										
HK2427551-020	W4/ME/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	111	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941837)										
HK2427551-020	W4/ME/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	98.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941838)										
HK2427551-040	W6/ME/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	108	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941839)										



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941839) - Continued										
HK2427551-040	W6/ME/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	98.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941840)										
HK2427551-078	E26/ME/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	5 mg/L	110	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941841)										
HK2427551-078	E26/ME/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941842)										
HK2427551-110	W2/MF/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	105	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941843)										
HK2427551-110	W2/MF/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	98.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941844)										
HK2427551-120	W4/MF/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5941845)										
HK2427551-120	W4/MF/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	97.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943196)										
HK2427551-130	W7/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943197)										
HK2427551-130	W7/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943198)										
HK2427551-160	E27/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	5 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943199)										
HK2427551-160	E27/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	99.9	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943200)										
HK2427551-190	SP1/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	5 mg/L	99.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943201)										
HK2427551-190	SP1/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	99.5	----	75.0	125	----	----



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 39
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2428081
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
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Facsimile	: —	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 16-Jul-2024
Order number	: —	Quote number	: HKE/1756/2024_V2	Issue Date	: 29-Jul-2024
C-O-C number	: —			No. of samples received	: 132
Site	: —			No. of samples analysed	: 132

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This document has been signed by those names that appear on this report and are the authorised signatories.

<i>Signatories</i>	<i>Position</i>	<i>Authorised results for</i>
 Fung Lim Chee, Richard	Managing Director	Inorganics
 Ng Sin Kou, May	Laboratory Manager	Microbiology_ENV



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 16-Jul-2024 to 29-Jul-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2428081

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.

Microbiological sample(s) were collected in 125mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 16:40.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

* denoted the estimated count; Result based on a count outside of standard method's countable range.

EK061P - Total Kjeldahl Nitrogen is the difference of Total Nitrogen and Total Oxidizable Nitrogen.

EK063A - Total Inorganic Nitrogen is the sum of the Total Oxidizable Nitrogen and Ammonical Nitrogen.



Analytical Results

Sub-Matrix: WATER				Sample ID	W5/ME/S/ REPLICATE 1	W5/ME/S/ REPLICATE 2	W5/ME/M/ REPLICATE 1	W5/ME/M/ REPLICATE 2	W5/ME/B/ REPLICATE 1
Sampling date / time					16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-001	HK2428081-002	HK2428081-003	HK2428081-004	HK2428081-005
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	4	4	3	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.07	0.07	0.07	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.53	1.56	1.58	1.59	1.59
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.60	1.64	1.65	1.66	1.67
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.8	1.8	1.8	1.9	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.60	1.64	1.65	1.66	1.67
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		24	33	23	29	25



Sub-Matrix: WATER				Sample ID	W5/ME/B/ REPLICATE 2	W1/ME/S/ REPLICATE 1	W1/ME/S/ REPLICATE 2	W1/ME/M/ REPLICATE 1	W1/ME/M/ REPLICATE 2
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-006	HK2428081-007	HK2428081-008	HK2428081-009	HK2428081-010
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	5	5	5	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.08	0.10	0.09	0.10	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.57	1.53	1.54	1.55	1.58
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.65	1.63	1.63	1.65	1.66
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.8	1.9	1.9	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.65	1.63	1.63	1.65	1.66
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		35	29	23	20	12



Sub-Matrix: WATER				Sample ID	W1/ME/B/ REPLICATE 1	W1/ME/B/ REPLICATE 2	W2/ME/S/ REPLICATE 1	W2/ME/S/ REPLICATE 2	W2/ME/M/ REPLICATE 1
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-011	HK2428081-012	HK2428081-013	HK2428081-014	HK2428081-015
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		6	5	4	5	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.08	0.08	0.08	0.07	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.57	1.58	1.58	1.61	1.58
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.65	1.66	1.65	1.68	1.66
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.9	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.65	1.66	1.65	1.68	1.66
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		19	25	27	15	22



Sub-Matrix: WATER				Sample ID	W2/ME/M/ REPLICATE 2	W2/ME/B/ REPLICATE 1	W2/ME/B/ REPLICATE 2	W4/ME/S/ REPLICATE 1	W4/ME/S/ REPLICATE 2
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-016	HK2428081-017	HK2428081-018	HK2428081-019	HK2428081-020
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	2	4	4	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.08	0.08	0.10	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.60	1.55	1.56	0.95	0.94
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.68	1.63	1.66	0.99	0.98
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.9	1.8	1.9	1.4	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.68	1.63	1.66	0.99	0.98
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.06	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	2	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		28	19	15	9	11



Sub-Matrix: WATER				Sample ID	W4/ME/M/ REPLICATE 1	W4/ME/M/ REPLICATE 2	W4/ME/B/ REPLICATE 1	W4/ME/B/ REPLICATE 2	W8/ME/S/ REPLICATE 1
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-021	HK2428081-022	HK2428081-023	HK2428081-024	HK2428081-025
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	3	4	5	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.03	0.04	0.05	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.91	0.94	0.94	0.95	0.96
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.94	0.98	0.97	0.99	0.99
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.5	0.4	0.4	0.4	0.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.4	1.4	1.4	1.4	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.94	0.98	0.97	0.99	0.99
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.06	0.06	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		2	3	3	2	2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		26	21	19	19	15



Sub-Matrix: WATER				Sample ID	W8/ME/S/ REPLICATE 2	W8/ME/M/ REPLICATE 1	W8/ME/M/ REPLICATE 2	W8/ME/B/ REPLICATE 1	W8/ME/B/ REPLICATE 2
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-026	HK2428081-027	HK2428081-028	HK2428081-029	HK2428081-030
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	5	4	5	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.05	0.06	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.94	0.91	0.93	0.92	0.95
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.98	0.95	0.98	0.98	1.00
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.5	0.5	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.4	1.4	1.4	1.4	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.98	0.95	0.98	0.98	1.00
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.06	0.06	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		2	3	2	2	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		27	32	35	15	11



Sub-Matrix: WATER				Sample ID	W7/ME/S/ REPLICATE 1	W7/ME/S/ REPLICATE 2	W7/ME/M/ REPLICATE 1	W7/ME/M/ REPLICATE 2	W7/ME/B/ REPLICATE 1
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-031	HK2428081-032	HK2428081-033	HK2428081-034	HK2428081-035
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		5	4	4	5	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.04	0.04	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.94	0.94	0.94	0.91	0.93
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.98	0.98	0.98	0.96	0.98
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.5	0.5	0.4	0.5	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.4	1.4	1.4	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.98	0.98	0.98	0.96	0.98
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.06	0.06	0.06
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		2	3	2	3	2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		16	13	15	16	25



Sub-Matrix: WATER				Sample ID	W7/ME/B/ REPLICATE 2	W6/ME/S/ REPLICATE 1	W6/ME/S/ REPLICATE 2	W6/ME/M/ REPLICATE 1	W6/ME/M/ REPLICATE 2
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-036	HK2428081-037	HK2428081-038	HK2428081-039	HK2428081-040
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	3	3	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.04	0.08	0.07	0.09
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.92	0.81	1.52	1.58	1.56
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.98	0.84	1.60	1.65	1.65
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.6	0.3	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.4	1.4	1.9	1.9	1.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.98	0.84	1.60	1.65	1.65
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.06	0.06	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		2	3	3	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		18	15	19	30	19



Sub-Matrix: WATER				Sample ID	W6/ME/B/ REPLICATE 1	W6/ME/B/ REPLICATE 2	W3/ME/S/ REPLICATE 1	W3/ME/S/ REPLICATE 2	W3/ME/M/ REPLICATE 1
Sampling date / time					16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit	HK2428081-041	HK2428081-042	HK2428081-043	HK2428081-044	HK2428081-045	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	4	5	3	3	3	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.10	0.07	0.08	0.09	0.08	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.52	1.58	1.57	1.48	1.65	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.63	1.65	1.65	1.58	1.73	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	0.2	0.2	0.2	0.2	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.9	1.9	1.9	1.8	1.9	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.63	1.65	1.65	1.58	1.73	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.04	0.03	0.04	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	8	10	18	16	4*	



Sub-Matrix: WATER				Sample ID	W3/ME/M/ REPLICATE 2	W3/ME/B/ REPLICATE 1	W3/ME/B/ REPLICATE 2	DB1/ME/M/ REPLICATE 1	DB1/ME/M/ REPLICATE 2
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-046	HK2428081-047	HK2428081-048	HK2428081-051	HK2428081-052
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	3	7	8
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.02	0.03	0.08	0.04	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.92	0.87	1.58	0.88	0.90
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.95	0.90	1.65	0.92	0.93
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.2	0.5	0.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.4	1.4	1.8	1.4	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.95	0.90	1.65	0.92	0.93
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.04	0.12	0.13
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	3	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		10	15	25	49	45



Sub-Matrix: WATER				Sample ID	E24/ME/M/ REPLICATE 1	E24/ME/M/ REPLICATE 2	E27/ME/M/ REPLICATE 1	E27/ME/M/ REPLICATE 2	E25/ME/M/ REPLICATE 1
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-057	HK2428081-058	HK2428081-063	HK2428081-064	HK2428081-069
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		7	7	69	70	52
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	4.50	4.41	4.19
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.05	0.18	0.17	0.15
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.85	0.86	0.37	0.35	0.37
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.91	0.91	0.55	0.52	0.52
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.5	0.5	5.4	5.3	5.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.4	1.4	5.9	5.8	5.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.91	0.91	5.05	4.93	4.72
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.12	0.12	1.21	1.18	1.18
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		2	3	8	8	6
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		52	46	12000	21000	15000



Sub-Matrix: WATER				Sample ID	E25/ME/M/ REPLICATE 2	E26/ME/S/ REPLICATE 1	E26/ME/S/ REPLICATE 2	E26/ME/B/ REPLICATE 1	E26/ME/B/ REPLICATE 2
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-070	HK2428081-073	HK2428081-074	HK2428081-077	HK2428081-078
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		64	56	56	46	57
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		4.60	4.32	4.37	4.87	4.34
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.15	0.15	0.15	0.16	0.16
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.38	0.39	0.38	0.37	0.37
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.53	0.54	0.53	0.54	0.53
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		5.2	5.2	5.1	5.1	5.8
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.7	5.8	5.7	5.7	6.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		5.13	4.86	4.90	5.41	4.87
EK067P: Total Phosphorus as P	----	0.01	mg/L		1.19	1.22	1.18	1.20	1.17
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		7	7	7	7	7
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		19000	13000	24000	29000	33000



Sub-Matrix: WATER				Sample ID	KT1/ME/M/ REPLICATE 1	KT1/ME/M/ REPLICATE 2	E28/ME/M/ REPLICATE 1	E28/ME/M/ REPLICATE 2	SP1/ME/M/ REPLICATE 1
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-081	HK2428081-082	HK2428081-087	HK2428081-088	HK2428081-093
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		68	78	79	68	73
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		4.72	4.47	4.78	4.48	4.29
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.16	0.17	0.18	0.15	0.18
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.39	0.37	0.36	0.37	0.34
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.55	0.53	0.54	0.52	0.52
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		5.1	5.1	5.2	5.0	4.9
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.6	5.6	5.8	5.5	5.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		5.27	5.01	5.31	5.01	4.81
EK067P: Total Phosphorus as P	----	0.01	mg/L		1.24	1.19	1.24	1.10	1.09
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		7	7	7	7	7
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		41000	35000	37000	45000	23000



Sub-Matrix: WATER				Sample ID	SP1/ME/M/ REPLICATE 2	W5/MF/S/ REPLICATE 1	W5/MF/S/ REPLICATE 2	W5/MF/M/ REPLICATE 1	W5/MF/M/ REPLICATE 2
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-094	HK2428081-097	HK2428081-098	HK2428081-099	HK2428081-100
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		85	3	4	3	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		4.65	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.15	0.06	0.05	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.36	1.02	1.00	1.04	1.05
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.51	1.08	1.05	1.08	1.10
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		5.0	0.5	0.5	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.5	1.5	1.5	1.5	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		5.16	1.08	1.05	1.08	1.10
EK067P: Total Phosphorus as P	----	0.01	mg/L		1.08	<0.01	<0.01	<0.01	<0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		7	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		36000	15	9	17	22



Sub-Matrix: WATER				Sample ID	W5/MF/B/ REPLICATE 1	W5/MF/B/ REPLICATE 2	W1/MF/S/ REPLICATE 1	W1/MF/S/ REPLICATE 2	W1/MF/M/ REPLICATE 1
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-101	HK2428081-102	HK2428081-103	HK2428081-104	HK2428081-105
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	2	2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.06	0.04	0.04	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.14	1.02	0.93	0.96	0.95
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.21	1.08	0.97	1.00	0.99
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.5	0.6	0.6	0.6
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.21	1.08	0.97	1.00	0.99
EK067P: Total Phosphorus as P	----	0.01	mg/L		<0.01	0.02	0.02	0.03	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		9	14	11	15	22



Sub-Matrix: WATER				Sample ID	W1/MF/M/ REPLICATE 2	W1/MF/B/ REPLICATE 1	W1/MF/B/ REPLICATE 2	W2/MF/S/ REPLICATE 1	W2/MF/S/ REPLICATE 2
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-106	HK2428081-107	HK2428081-108	HK2428081-109	HK2428081-110
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	3	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.04	0.05	0.05	0.04
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.97	0.95	0.93	0.95	0.94
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.02	0.99	0.98	1.00	0.99
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.5	0.6	0.6	0.6	0.6
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.02	0.99	0.98	1.00	0.99
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.03	0.03	0.04	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		8	18	10	8	19



Sub-Matrix: WATER				Sample ID	W2/MF/M/ REPLICATE 1	W2/MF/M/ REPLICATE 2	W2/MF/B/ REPLICATE 1	W2/MF/B/ REPLICATE 2	W4/MF/S/ REPLICATE 1
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-111	HK2428081-112	HK2428081-113	HK2428081-114	HK2428081-115
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	4	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.04	0.05	0.04	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.93	0.95	0.95	0.95	1.05
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.98	0.99	1.00	0.99	1.11
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.6	0.6	0.6	0.6	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.98	0.99	1.00	0.99	1.11
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.02	0.02	0.03	<0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		11	18	19	23	25



Sub-Matrix: WATER				Sample ID	W4/MF/S/ REPLICATE 2	W4/MF/M/ REPLICATE 1	W4/MF/M/ REPLICATE 2	W4/MF/B/ REPLICATE 1	W4/MF/B/ REPLICATE 2
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-116	HK2428081-117	HK2428081-118	HK2428081-119	HK2428081-120
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	4	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.06	0.06	0.06	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.05	1.05	1.05	1.06	1.04
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.12	1.11	1.11	1.12	1.12
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.5	1.5	1.5	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.12	1.11	1.11	1.12	1.12
EK067P: Total Phosphorus as P	----	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		22	22	25	27	26



Sub-Matrix: WATER				Sample ID	W8/MF/S/ REPLICATE 1	W8/MF/S/ REPLICATE 2	W8/MF/M/ REPLICATE 1	W8/MF/M/ REPLICATE 2	W8/MF/B/ REPLICATE 1
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-121	HK2428081-122	HK2428081-123	HK2428081-124	HK2428081-125
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	4	<2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.06	0.09	0.06	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.03	1.05	1.46	1.09	1.03
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.09	1.11	1.55	1.15	1.09
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.3	0.3	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.5	1.8	1.5	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.09	1.11	1.55	1.15	1.09
EK067P: Total Phosphorus as P	----	0.01	mg/L		<0.01	<0.01	0.01	<0.01	<0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		26	25	17	18	15



Sub-Matrix: WATER				Sample ID	W8/MF/B/ REPLICATE 2	W7/MF/S/ REPLICATE 1	W7/MF/S/ REPLICATE 2	W7/MF/M/ REPLICATE 1	W7/MF/M/ REPLICATE 2
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-126	HK2428081-127	HK2428081-128	HK2428081-129	HK2428081-130
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	<2	2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.09	0.06	0.10	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.04	1.41	1.20	1.43	1.11
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.09	1.50	1.26	1.53	1.18
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.3	0.2	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.8	1.5	1.8	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.09	1.50	1.26	1.53	1.18
EK067P: Total Phosphorus as P	----	0.01	mg/L		<0.01	0.02	<0.01	0.02	<0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		18	25	27	12	23



Sub-Matrix: WATER				Sample ID	W7/MF/B/ REPLICATE 1	W7/MF/B/ REPLICATE 2	W6/MF/S/ REPLICATE 1	W6/MF/S/ REPLICATE 2	W6/MF/M/ REPLICATE 1
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-131	HK2428081-132	HK2428081-133	HK2428081-134	HK2428081-135
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	5	3	4	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.05	0.06	0.06	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.03	1.06	1.05	1.05	0.91
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.09	1.11	1.11	1.11	0.97
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.3	0.2	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.3	1.3	1.4	1.3	1.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.09	1.11	1.11	1.11	0.97
EK067P: Total Phosphorus as P	----	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		15	26	11	20	17



Sub-Matrix: WATER				Sample ID	W6/MF/M/ REPLICATE 2	W6/MF/B/ REPLICATE 1	W6/MF/B/ REPLICATE 2	W3/MF/S/ REPLICATE 1	W3/MF/S/ REPLICATE 2
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-136	HK2428081-137	HK2428081-138	HK2428081-139	HK2428081-140
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	4	5	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.10	0.06	0.07	0.09	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.36	1.05	1.03	1.50	0.99
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.46	1.11	1.10	1.59	1.05
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.1	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.7	1.3	1.3	1.7	1.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.46	1.11	1.10	1.59	1.05
EK067P: Total Phosphorus as P	----	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		10	28	35	19	26



Sub-Matrix: WATER				Sample ID	W3/MF/M/ REPLICATE 1	W3/MF/M/ REPLICATE 2	W3/MF/B/ REPLICATE 1	W3/MF/B/ REPLICATE 2	DB1/MF/M/ REPLICATE 1
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-141	HK2428081-142	HK2428081-143	HK2428081-144	HK2428081-147
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	5	5	4	7
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.09	0.08	0.08	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.97	1.37	1.52	1.52	0.88
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.03	1.47	1.60	1.60	0.90
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.2	0.1	<0.1	0.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.3	1.7	1.7	1.7	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.03	1.47	1.60	1.60	0.90
EK067P: Total Phosphorus as P	----	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	0.09
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		8	8	16	18	38



Sub-Matrix: WATER				Sample ID	DB1/MF/M/ REPLICATE 2	E24/MF/M/ REPLICATE 1	E24/MF/M/ REPLICATE 2	E27/MF/M/ REPLICATE 1	E27/MF/M/ REPLICATE 2
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-148	HK2428081-153	HK2428081-154	HK2428081-159	HK2428081-160
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		7	10	10	71	73
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	4.92	4.91
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.03	0.04	0.05	0.17	0.17
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.89	0.90	0.85	0.41	0.39
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.92	0.94	0.90	0.58	0.56
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.5	0.5	1.0	0.8
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.4	1.4	1.4	1.6	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.92	0.94	0.90	5.50	5.47
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.09	0.10	0.10	1.18	1.20
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	7	7
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		38	50	34	9600	8200



Sub-Matrix: WATER				Sample ID	E25/MF/M/ REPLICATE 1	E25/MF/M/ REPLICATE 2	E26/MF/S/ REPLICATE 1	E26/MF/S/ REPLICATE 2	E26/MF/B/ REPLICATE 1
Sampling date / time					16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit	HK2428081-165	HK2428081-166	HK2428081-169	HK2428081-170	HK2428081-173	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	61	55	55	60	65	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	5.05	4.90	4.90	4.87	4.80	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.17	0.17	0.17	0.17	0.16	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	0.38	0.38	0.39	0.38	0.38	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.56	0.55	0.56	0.55	0.54	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	5.1	5.1	5.2	5.2	5.1	
EK062P: Total Nitrogen as N	----	0.1	mg/L	5.6	5.7	5.7	5.8	5.6	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	5.60	5.45	5.45	5.42	5.35	
EK067P: Total Phosphorus as P	----	0.01	mg/L	1.20	1.19	1.18	1.20	1.17	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	7	7	7	7	6	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	12000	21000	7000	7500	8900	



Sub-Matrix: WATER				Sample ID	E26/MF/B/ REPLICATE 2	KT1/MF/M/ REPLICATE 1	KT1/MF/M/ REPLICATE 2	E28/MF/M/ REPLICATE 1	E28/MF/M/ REPLICATE 2
				Sampling date / time	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024	16-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428081-174	HK2428081-177	HK2428081-178	HK2428081-183	HK2428081-184
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		62	61	66	63	66
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		4.88	4.67	4.73	5.00	4.70
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.16	0.16	0.15	0.16
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.37	0.37	0.36	0.38	0.38
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.55	0.53	0.52	0.53	0.54
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		5.0	4.9	5.0	5.0	5.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.5	5.5	5.5	5.5	5.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		5.43	5.21	5.24	5.53	5.23
EK067P: Total Phosphorus as P	----	0.01	mg/L		1.16	1.12	1.11	1.12	1.20
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		7	7	6	6	7
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		9800	11000	19000	20000	34000



Sub-Matrix: WATER				Sample ID	SP1/MF/M/ REPLICATE 1	SP1/MF/M/ REPLICATE 2	---	---	---
				Sampling date / time	16-Jul-2024	16-Jul-2024	---	---	---
Compound	CAS Number	LOR	Unit		HK2428081-189	HK2428081-190	-----	-----	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		72	75	---	---	---
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		4.58	4.80	---	---	---
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.16	0.16	---	---	---
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.37	0.37	---	---	---
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.53	0.54	---	---	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		5.2	5.9	---	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.7	6.4	---	---	---
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		5.11	5.33	---	---	---
EK067P: Total Phosphorus as P	----	0.01	mg/L		1.30	1.32	---	---	---
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		6	6	---	---	---
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		27000	41000	---	---	---

----- END OF REPORT -----

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5931889)								
HK2428081-001	W5/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
HK2428081-011	W1/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	6	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5931890)								
HK2428081-021	W4/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
HK2428081-031	W7/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	5	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5931891)								
HK2428081-041	W6/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
HK2428081-057	E24/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	7	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5931892)								
HK2428081-081	KT1/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	68	65	5.1
HK2428081-101	W5/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5931893)								
HK2428081-111	W2/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	3	0.0
HK2428081-121	W8/MF/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5931894)								
HK2428081-131	W7/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
HK2428081-141	W3/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5931895)								
HK2428081-165	E25/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	61	58	6.2
HK2428081-189	SP1/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	72	74	2.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928981)								
HK2428081-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.07	0.07	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928982)								
HK2428081-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.60	1.62	1.1
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928983)								
HK2428081-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.03	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928984)								

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928984) - Continued								
HK2428081-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.94	0.92	1.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928985)								
HK2428081-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.10	0.10	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928986)								
HK2428081-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.63	1.77	8.7
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928987)								
HK2428081-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.16	0.17	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928988)								
HK2428081-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.55	0.53	2.6
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928989)								
HK2428081-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.05	0.06	22.2
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928990)								
HK2428081-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.98	0.98	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928991)								
HK2428081-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928992)								
HK2428081-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.09	1.11	1.7
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928993)								
HK2428081-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.17	0.18	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928994)								
HK2428081-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.56	0.56	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929330)								
HK2428081-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929331)								
HK2428081-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929332)								
HK2428081-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929333)								
HK2428081-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	4.72	4.81	1.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929334)								
HK2428081-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929335)								



Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929335) - Continued								
HK2428081-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929336)								
HK2428081-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	5.05	5.07	0.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943219)								
HK2428081-020	W4/ME/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.4	1.4	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943220)								
HK2428081-020	W4/ME/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.06	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943221)								
HK2428081-040	W6/ME/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.9	1.8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943222)								
HK2428081-040	W6/ME/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943223)								
HK2428081-078	E26/ME/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	6.3	6.5	2.1
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943224)								
HK2428081-078	E26/ME/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	1.17	1.15	1.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943225)								
HK2428081-110	W2/MF/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.6	1.6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943226)								
HK2428081-110	W2/MF/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.03	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943227)								
HK2428081-130	W7/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.5	1.5	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943228)								
HK2428081-130	W7/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943229)								
HK2428081-160	E27/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.4	1.3	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943230)								
HK2428081-160	E27/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	1.20	1.17	2.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943231)								
HK2428081-190	SP1/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	6.4	6.5	1.6
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943232)								
HK2428081-190	SP1/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	1.32	1.28	3.0



Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
		Method: Compound	CAS Number	LOR		Unit	Result	LCS	DCS	Low	High	Value
EA/ED: Physical and Aggregate Properties (QC Lot: 5931889)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	106	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5931890)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	99.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5931891)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	106	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5931892)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	97.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5931893)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	96.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5931894)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	98.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5931895)												
EA025: Suspended Solids (SS)		----	2	mg/L	<2	20 mg/L	102	----	85.7	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928981)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	95.4	----	78.8	120	----	----
					<0.01	0.4 mg/L	104	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928982)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	91.4	----	86.0	124	----	----
					<0.01	0.4 mg/L	106	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928983)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	100	----	78.8	120	----	----
					<0.01	0.4 mg/L	105	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928984)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	86.0	----	86.0	124	----	----
					<0.01	0.4 mg/L	107	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928985)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	107	----	78.8	120	----	----

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928985) - Continued											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.4 mg/L	104	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928986)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	109	----	86.0	124	----	----
				<0.01	0.4 mg/L	107	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928987)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	100	----	78.8	120	----	----
				<0.01	0.4 mg/L	105	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928988)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	104	----	86.0	124	----	----
				<0.01	0.4 mg/L	107	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928989)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	96.0	----	78.8	120	----	----
				<0.01	0.4 mg/L	104	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928990)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	105	----	86.0	124	----	----
				<0.01	0.4 mg/L	106	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928991)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	107	----	78.8	120	----	----
				<0.01	0.4 mg/L	104	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928992)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	108	----	86.0	124	----	----
				<0.01	0.4 mg/L	107	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928993)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	113	----	78.8	120	----	----
				<0.01	0.4 mg/L	104	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928994)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	98.4	----	86.0	124	----	----
				<0.01	0.4 mg/L	107	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929330)											

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929330) - Continued											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	104	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929331)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	108	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929332)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	96.1	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929333)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	102	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929334)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	96.0	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929335)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	102	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929336)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	90.6	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943219)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	107	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943220)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	102	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943221)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	106	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943222)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	102	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943223)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	107	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943224)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	102	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943225)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	106	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943226)											



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943226) - Continued												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	102	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943227)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	108	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943228)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	98.0	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943229)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	109	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943230)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	97.4	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943231)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	106	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943232)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	97.4	----	93.1	103	----	----
EP: Aggregate Organics (QC Lot: 5934188)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	86.5	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5934189)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	85.2	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5934190)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	88.0	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5934191)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	97.3	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5934192)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	94.2	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5934193)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	94.2	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5934194)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	93.8	----	77.6	118	----	----



Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928981)										
HK2428081-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928982)										
HK2428081-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	89.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928983)										
HK2428081-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928984)										
HK2428081-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928985)										
HK2428081-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928986)										
HK2428081-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	86.9	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928987)										
HK2428081-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	108	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928988)										
HK2428081-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928989)										
HK2428081-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928990)										
HK2428081-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928991)										
HK2428081-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	106	----	75.0	125	----	----



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928992)										
HK2428081-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928993)										
HK2428081-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	108	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5928994)										
HK2428081-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929330)										
HK2428081-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	83.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929331)										
HK2428081-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	95.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929332)										
HK2428081-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	86.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929333)										
HK2428081-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	98.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929334)										
HK2428081-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	93.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929335)										
HK2428081-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	99.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5929336)										
HK2428081-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	111	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943219)										
HK2428081-020	W4/ME/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	91.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943220)										
HK2428081-020	W4/ME/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943221)										
HK2428081-040	W6/ME/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943222)										
HK2428081-040	W6/ME/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	103	----	75.0	125	----	----



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number		MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943223)										
HK2428081-078	E26/ME/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	5 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943224)										
HK2428081-078	E26/ME/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	96.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943225)										
HK2428081-110	W2/MF/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	116	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943226)										
HK2428081-110	W2/MF/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943227)										
HK2428081-130	W7/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	91.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943228)										
HK2428081-130	W7/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	105	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943229)										
HK2428081-160	E27/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	1 mg/L	88.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943230)										
HK2428081-160	E27/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	98.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943231)										
HK2428081-190	SP1/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	5 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5943232)										
HK2428081-190	SP1/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	96.6	----	75.0	125	----	----



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 39
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2428083
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
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Telephone	: ---	Telephone	: +852 2610 1044		
Facsimile	: ---	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 18-Jul-2024
Order number	: ---	Quote number	: HKE/1756/2024_V2	Issue Date	: 01-Aug-2024
C-O-C number	: ---			No. of samples received	: 132
Site	: ---			No. of samples analysed	: 132

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This document has been signed by those names that appear on this report and are the authorised signatories.

<i>Signatories</i>	<i>Position</i>	<i>Authorised results for</i>
		
Fung Lim Chee, Richard	Managing Director	Inorganics
		
Ng Sin Kou, May	Laboratory Manager	Microbiology_ENV



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 18-Jul-2024 to 01-Aug-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2428083

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.

Microbiological sample(s) were collected in 125mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 16:40.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

EK061P - Total Kjeldahl Nitrogen is the difference of Total Nitrogen and Total Oxidizable Nitrogen.

EK063A - Total Inorganic Nitrogen is the sum of the Total Oxidizable Nitrogen and Ammonical Nitrogen.



Analytical Results

Sub-Matrix: WATER

Sample ID

Sampling date / time

				W5/ME/S/ REPLICATE 1	W5/ME/S/ REPLICATE 2	W5/ME/M/ REPLICATE 1	W5/ME/M/ REPLICATE 2	W5/ME/B/ REPLICATE 1
				18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit	HK2428083-001	HK2428083-002	HK2428083-003	HK2428083-004	HK2428083-005
EA/ED: Physical and Aggregate Properties								
EA025: Suspended Solids (SS)	----	2	mg/L	3	3	3	3	3
ED/EK: Inorganic Nonmetallic Parameters								
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.07	0.08	0.08	0.08	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.04	1.05	1.07	1.06	1.07
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.11	1.14	1.15	1.15	1.15
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.4	0.4	0.4	0.4	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.5	1.5	1.5	1.5	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.11	1.14	1.15	1.15	1.15
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.04	0.04	0.03
EP: Aggregate Organics								
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2
EM: Microbiological Testing								
EM019: Escherichia coli	----	1	CFU/100mL	67	59	44	41	36



Sub-Matrix: WATER				Sample ID	W5/ME/B/ REPLICATE 2	W1/ME/S/ REPLICATE 1	W1/ME/S/ REPLICATE 2	W1/ME/M/ REPLICATE 1	W1/ME/M/ REPLICATE 2
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-006	HK2428083-007	HK2428083-008	HK2428083-009	HK2428083-010
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	3	4	4	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.09	0.08	0.09	0.11
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.09	1.23	0.99	0.98	1.25
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.16	1.32	1.07	1.07	1.36
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.4	0.4	0.5	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.7	1.5	1.5	1.8
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.16	1.32	1.07	1.07	1.36
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.04	0.03	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		33	43	38	37	41



Sub-Matrix: WATER				Sample ID	W1/ME/B/ REPLICATE 1	W1/ME/B/ REPLICATE 2	W2/ME/S/ REPLICATE 1	W2/ME/S/ REPLICATE 2	W2/ME/M/ REPLICATE 1
Sampling date / time				18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit	HK2428083-011	HK2428083-012	HK2428083-013	HK2428083-014	HK2428083-015	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	4	4	3	2	3	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.09	0.10	0.10	0.08	0.09	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	0.98	1.16	1.22	1.02	1.04	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.07	1.27	1.32	1.10	1.13	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.4	0.5	0.4	0.4	0.4	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.5	1.7	1.7	1.5	1.5	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.07	1.27	1.32	1.10	1.13	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.04	0.04	0.03	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	36	39	47	44	36	



Sub-Matrix: WATER				Sample ID	W2/ME/M/ REPLICATE 2	W2/ME/B/ REPLICATE 1	W2/ME/B/ REPLICATE 2	W4/ME/S/ REPLICATE 1	W4/ME/S/ REPLICATE 2
Sampling date / time					18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-016	HK2428083-017	HK2428083-018	HK2428083-019	HK2428083-020
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	4	3	5	4
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.08	0.08	0.08	0.08	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.06	1.00	1.32	1.30	0.96
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.14	1.09	1.41	1.39	1.04
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.3	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.5	1.8	1.7	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.14	1.09	1.41	1.39	1.04
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.03	0.04	0.04	0.04	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		32	57	54	39	42



Sub-Matrix: WATER				Sample ID	W4/ME/M/ REPLICATE 1	W4/ME/M/ REPLICATE 2	W4/ME/B/ REPLICATE 1	W4/ME/B/ REPLICATE 2	W8/ME/S/ REPLICATE 1
Sampling date / time				18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit	HK2428083-021	HK2428083-022	HK2428083-023	HK2428083-024	HK2428083-025	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	4	4	3	3	2	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.08	0.10	0.10	0.10	0.08	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	1.00	1.33	1.36	1.36	1.20	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.08	1.44	1.46	1.46	1.28	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.4	0.3	0.2	0.2	0.2	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.5	1.8	1.7	1.7	1.5	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	1.08	1.44	1.46	1.46	1.28	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.03	0.06	0.06	0.06	0.05	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	24	29	34	42	38	



Sub-Matrix: WATER				Sample ID	W8/ME/S/ REPLICATE 2	W8/ME/M/ REPLICATE 1	W8/ME/M/ REPLICATE 2	W8/ME/B/ REPLICATE 1	W8/ME/B/ REPLICATE 2
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-026	HK2428083-027	HK2428083-028	HK2428083-029	HK2428083-030
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	2	2	2	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.09	0.08	0.08	0.10	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.19	1.18	1.20	1.19	1.21
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.28	1.26	1.27	1.29	1.29
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.2	0.2	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.5	1.5	1.5	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.28	1.26	1.27	1.29	1.29
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		31	36	34	40	33



Sub-Matrix: WATER				Sample ID	W7/ME/S/ REPLICATE 1	W7/ME/S/ REPLICATE 2	W7/ME/M/ REPLICATE 1	W7/ME/M/ REPLICATE 2	W7/ME/B/ REPLICATE 1
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-031	HK2428083-032	HK2428083-033	HK2428083-034	HK2428083-035
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	2	4	3	5
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.08	0.07	0.09	0.08	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.03	0.92	0.96	0.92	0.93
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.11	0.99	1.04	1.00	1.02
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.5	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.4	1.5	1.4	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.11	0.99	1.04	1.00	1.02
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		42	47	46	34	31



Sub-Matrix: WATER				Sample ID	W7/ME/B/ REPLICATE 2	W6/ME/S/ REPLICATE 1	W6/ME/S/ REPLICATE 2	W6/ME/M/ REPLICATE 1	W6/ME/M/ REPLICATE 2
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-036	HK2428083-037	HK2428083-038	HK2428083-039	HK2428083-040
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	2	2	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	0.03	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.09	0.09	0.08	0.10	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.02	1.21	1.20	1.02	0.92
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.11	1.30	1.28	1.13	0.99
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.2	0.2	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.5	1.5	1.5	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.11	1.30	1.28	1.15	0.99
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		42	33	47	38	44



Sub-Matrix: WATER				Sample ID	W6/ME/B/ REPLICATE 1	W6/ME/B/ REPLICATE 2	W3/ME/S/ REPLICATE 1	W3/ME/S/ REPLICATE 2	W3/ME/M/ REPLICATE 1
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-041	HK2428083-042	HK2428083-043	HK2428083-044	HK2428083-045
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	4	<2	<2	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.09	0.09	0.09	0.09
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.92	1.03	1.08	1.06	1.07
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.00	1.12	1.16	1.15	1.16
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.4	0.3	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.4	1.5	1.4	1.4	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.00	1.12	1.16	1.15	1.16
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.06	0.05	0.05	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		52	61	29	35	26



Sub-Matrix: WATER				Sample ID	W3/ME/M/ REPLICATE 2	W3/ME/B/ REPLICATE 1	W3/ME/B/ REPLICATE 2	DB1/ME/M/ REPLICATE 1	DB1/ME/M/ REPLICATE 2
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-046	HK2428083-047	HK2428083-048	HK2428083-051	HK2428083-052
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	2	2	16	15
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.08	0.07	0.02	0.01
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.09	1.08	1.06	0.57	0.57
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.16	1.16	1.13	0.59	0.59
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.3	0.5	0.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.4	1.4	1.4	1.1	1.1
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.16	1.16	1.13	0.59	0.59
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.05	0.05	0.05	0.11	0.11
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		38	42	37	44	49



Sub-Matrix: WATER				Sample ID	E24/ME/M/ REPLICATE 1	E24/ME/M/ REPLICATE 2	E27/ME/M/ REPLICATE 1	E27/ME/M/ REPLICATE 2	E25/ME/M/ REPLICATE 1
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-057	HK2428083-058	HK2428083-063	HK2428083-064	HK2428083-069
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		15	14	36	32	42
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	3.72	3.66	3.74
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		<0.01	0.02	0.15	0.15	0.15
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.59	0.57	0.39	0.39	0.36
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.59	0.59	0.55	0.54	0.51
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.5	0.5	4.1	4.2	4.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.1	1.1	4.6	4.7	4.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.59	0.59	4.27	4.20	4.25
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.11	0.11	0.84	0.86	0.92
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	2	3	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		37	33	5700	6400	6600



Sub-Matrix: WATER				Sample ID	E25/ME/M/ REPLICATE 2	E26/ME/S/ REPLICATE 1	E26/ME/S/ REPLICATE 2	E26/ME/B/ REPLICATE 1	E26/ME/B/ REPLICATE 2
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-070	HK2428083-073	HK2428083-074	HK2428083-077	HK2428083-078
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		44	35	36	38	38
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		4.23	3.90	3.91	3.74	3.79
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.15	0.16	0.15	0.16	0.15
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.38	0.35	0.39	0.39	0.39
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.52	0.51	0.54	0.54	0.54
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.3	4.4	4.2	4.1	5.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.8	4.9	4.7	4.6	5.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.76	4.40	4.45	4.28	4.33
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.87	0.92	0.87	0.85	0.85
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		7200	7600	6400	7800	7400



Sub-Matrix: WATER				Sample ID	KT1/ME/M/ REPLICATE 1	KT1/ME/M/ REPLICATE 2	E28/ME/M/ REPLICATE 1	E28/ME/M/ REPLICATE 2	SP1/ME/M/ REPLICATE 1
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-081	HK2428083-082	HK2428083-087	HK2428083-088	HK2428083-093
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		47	49	46	42	51
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		4.36	4.11	3.66	3.66	4.15
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.15	0.16	0.17	0.16	0.16
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.36	0.36	0.38	0.36	0.34
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.51	0.52	0.55	0.51	0.50
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		5.7	5.0	4.5	5.0	5.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		6.2	5.5	5.0	5.5	5.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.87	4.63	4.20	4.18	4.65
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.86	0.80	0.76	0.80	0.85
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		5	4	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		7800	8100	7600	6800	8100



Sub-Matrix: WATER				Sample ID	SP1/ME/M/ REPLICATE 2	W5/MF/S/ REPLICATE 1	W5/MF/S/ REPLICATE 2	W5/MF/M/ REPLICATE 1	W5/MF/M/ REPLICATE 2
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-094	HK2428083-097	HK2428083-098	HK2428083-099	HK2428083-100
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		54	3	3	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.78	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.16	0.09	0.08	0.10	0.09
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.40	1.11	0.99	1.17	0.98
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.56	1.20	1.07	1.27	1.07
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		5.5	0.4	0.4	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		6.1	1.6	1.5	1.6	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.33	1.20	1.07	1.27	1.07
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.77	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	3	2	2	2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		7700	34	28	36	42



Sub-Matrix: WATER				Sample ID	W5/MF/B/ REPLICATE 1	W5/MF/B/ REPLICATE 2	W1/MF/S/ REPLICATE 1	W1/MF/S/ REPLICATE 2	W1/MF/M/ REPLICATE 1
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-101	HK2428083-102	HK2428083-103	HK2428083-104	HK2428083-105
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	3	2	2	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.09	0.09	0.08	0.08	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.09	1.11	1.12	1.14	1.15
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.18	1.20	1.21	1.22	1.23
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.4	1.4	1.5	1.5	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.18	1.20	1.21	1.22	1.23
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		49	45	47	51	34



Sub-Matrix: WATER				Sample ID	W1/MF/M/ REPLICATE 2	W1/MF/B/ REPLICATE 1	W1/MF/B/ REPLICATE 2	W2/MF/S/ REPLICATE 1	W2/MF/S/ REPLICATE 2
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-106	HK2428083-107	HK2428083-108	HK2428083-109	HK2428083-110
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	2	2	3	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.09	0.08	0.08	0.08	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.15	1.15	1.14	1.14	1.13
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.24	1.23	1.23	1.22	1.22
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.3	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.5	1.5	1.5	1.5
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.24	1.23	1.23	1.22	1.22
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		37	46	49	34	28



Sub-Matrix: WATER				Sample ID	W2/MF/M/ REPLICATE 1	W2/MF/M/ REPLICATE 2	W2/MF/B/ REPLICATE 1	W2/MF/B/ REPLICATE 2	W4/MF/S/ REPLICATE 1
Sampling date / time					18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-111	HK2428083-112	HK2428083-113	HK2428083-114	HK2428083-115
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	3	3	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.08	0.09	0.11	0.09	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.12	1.16	1.13	1.12	1.14
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.20	1.24	1.24	1.21	1.22
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.2	0.3	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.5	1.5	1.4	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.20	1.24	1.24	1.21	1.22
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.05	0.05	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		29	34	65	49	36



Sub-Matrix: WATER				Sample ID	W4/MF/S/ REPLICATE 2	W4/MF/M/ REPLICATE 1	W4/MF/M/ REPLICATE 2	W4/MF/B/ REPLICATE 1	W4/MF/B/ REPLICATE 2
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-116	HK2428083-117	HK2428083-118	HK2428083-119	HK2428083-120
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	4	4	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.09	0.10	0.10	0.08	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.14	1.13	1.12	1.15	1.14
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.23	1.23	1.22	1.24	1.22
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.5	1.5	1.5	1.4	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.23	1.23	1.22	1.24	1.22
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		33	44	37	35	27



Sub-Matrix: WATER				Sample ID	W8/MF/S/ REPLICATE 1	W8/MF/S/ REPLICATE 2	W8/MF/M/ REPLICATE 1	W8/MF/M/ REPLICATE 2	W8/MF/B/ REPLICATE 1
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-121	HK2428083-122	HK2428083-123	HK2428083-124	HK2428083-125
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	3	4	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.09	0.11	0.11	0.10	0.10
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.02	1.22	1.33	1.33	1.34
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.11	1.34	1.44	1.44	1.44
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.4	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.11	1.34	1.44	1.44	1.44
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		36	39	32	27	25



Sub-Matrix: WATER				Sample ID	W8/MF/B/ REPLICATE 2	W7/MF/S/ REPLICATE 1	W7/MF/S/ REPLICATE 2	W7/MF/M/ REPLICATE 1	W7/MF/M/ REPLICATE 2
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-126	HK2428083-127	HK2428083-128	HK2428083-129	HK2428083-130
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		4	2	3	3	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.11	0.11	0.11	0.09	0.08
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.34	1.33	1.33	1.31	1.08
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.44	1.45	1.44	1.40	1.16
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.44	1.45	1.44	1.40	1.16
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		32	33	36	34	29



Sub-Matrix: WATER				Sample ID	W7/MF/B/ REPLICATE 1	W7/MF/B/ REPLICATE 2	W6/MF/S/ REPLICATE 1	W6/MF/S/ REPLICATE 2	W6/MF/M/ REPLICATE 1
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-131	HK2428083-132	HK2428083-133	HK2428083-134	HK2428083-135
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	3	2	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.02	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.11	0.10	0.10	0.11	0.12
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.36	1.35	1.36	1.34	1.32
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.47	1.45	1.45	1.46	1.45
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.1	0.1	0.1	0.1
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.6	1.6	1.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.49	1.45	1.45	1.46	1.45
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		32	38	36	43	36



Sub-Matrix: WATER				Sample ID	W6/MF/M/ REPLICATE 2	W6/MF/B/ REPLICATE 1	W6/MF/B/ REPLICATE 2	W3/MF/S/ REPLICATE 1	W3/MF/S/ REPLICATE 2
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-136	HK2428083-137	HK2428083-138	HK2428083-139	HK2428083-140
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	3	3	3	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.10	0.10	0.10	0.11	0.09
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.35	1.36	1.14	1.11	1.13
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.45	1.46	1.23	1.22	1.22
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.1	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.6	1.6	1.4	1.4	1.4
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.45	1.46	1.23	1.22	1.22
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.04
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		34	32	39	21	27



Sub-Matrix: WATER				Sample ID	W3/MF/M/ REPLICATE 1	W3/MF/M/ REPLICATE 2	W3/MF/B/ REPLICATE 1	W3/MF/B/ REPLICATE 2	DB1/MF/M/ REPLICATE 1
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-141	HK2428083-142	HK2428083-143	HK2428083-144	HK2428083-147
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	4	2	4	16
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.10	0.09	0.10	0.10	0.01
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.10	1.13	1.10	1.11	0.57
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.19	1.22	1.20	1.20	0.58
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.5
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.4	1.4	1.4	1.4	1.1
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		1.19	1.22	1.20	1.20	0.58
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.04	0.04	0.04	0.04	0.10
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		33	37	34	28	35



Sub-Matrix: WATER				Sample ID	DB1/MF/M/ REPLICATE 2	E24/MF/M/ REPLICATE 1	E24/MF/M/ REPLICATE 2	E27/MF/M/ REPLICATE 1	E27/MF/M/ REPLICATE 2
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-148	HK2428083-153	HK2428083-154	HK2428083-159	HK2428083-160
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		16	18	18	56	43
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	3.99	3.89
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.01	0.01	0.01	0.16	0.16
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.57	0.57	0.57	0.35	0.36
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.58	0.58	0.58	0.51	0.52
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.5	0.5	0.5	4.7	5.0
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.1	1.1	1.1	5.2	5.6
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.58	0.58	0.58	4.50	4.41
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.10	0.10	0.10	0.86	0.82
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	2	2	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		26	64	52	7600	8400



Sub-Matrix: WATER				Sample ID	E25/MF/M/ REPLICATE 1	E25/MF/M/ REPLICATE 2	E26/MF/S/ REPLICATE 1	E26/MF/S/ REPLICATE 2	E26/MF/B/ REPLICATE 1
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-165	HK2428083-166	HK2428083-169	HK2428083-170	HK2428083-173
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		40	43	46	39	39
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.76	3.74	3.79	3.81	3.54
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.16	0.18	0.18	0.17
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.39	0.39	0.36	0.38	0.36
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.57	0.55	0.54	0.55	0.53
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.3	4.4	4.4	4.2	4.6
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.9	5.0	4.9	4.8	5.1
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.33	4.30	4.33	4.36	4.07
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.79	0.80	0.79	0.77	0.82
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	4	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		4600	5400	5800	6500	6700



Sub-Matrix: WATER				Sample ID	E26/MF/B/ REPLICATE 2	KT1/MF/M/ REPLICATE 1	KT1/MF/M/ REPLICATE 2	E28/MF/M/ REPLICATE 1	E28/MF/M/ REPLICATE 2
				Sampling date / time	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024	18-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428083-174	HK2428083-177	HK2428083-178	HK2428083-183	HK2428083-184
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		41	35	38	32	45
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.85	3.40	3.61	3.72	3.54
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.17	0.16	0.17	0.15	0.18
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.36	0.38	0.35	0.38	0.36
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.54	0.53	0.52	0.53	0.54
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.5	4.5	4.6	4.4	4.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.0	5.0	5.2	5.0	4.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.39	3.94	4.13	4.26	4.09
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.81	0.82	0.84	0.80	0.80
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		7400	7600	7300	7700	6900



Sub-Matrix: WATER				Sample ID	SP1/MF/M/ REPLICATE 1	SP1/MF/M/ REPLICATE 2	---	---	---
				Sampling date / time	18-Jul-2024	18-Jul-2024	---	---	---
Compound	CAS Number	LOR	Unit		HK2428083-189	HK2428083-190	-----	-----	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		47	37	---	---	---
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		3.68	3.60	---	---	---
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.16	0.18	---	---	---
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.36	0.35	---	---	---
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.52	0.53	---	---	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		4.4	4.7	---	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		5.0	5.2	---	---	---
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		4.20	4.14	---	---	---
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.79	0.78	---	---	---
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	---	---	---
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		5600	6200	---	---	---

----- END OF REPORT -----

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5934939)								
HK2428083-001	W5/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	4	0.0
HK2428083-011	W1/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5934940)								
HK2428083-021	W4/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	4	4	0.0
HK2428083-031	W7/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5934941)								
HK2428083-041	W6/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	4	0.0
HK2428083-057	E24/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	15	16	10.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5934942)								
HK2428083-081	KT1/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	47	45	4.5
HK2428083-101	W5/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	2	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5934943)								
HK2428083-111	W2/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	2	3	0.0
HK2428083-121	W8/MF/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	2	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5934944)								
HK2428083-131	W7/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	4	0.0
HK2428083-141	W3/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5934945)								
HK2428083-165	E25/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	40	39	3.3
HK2428083-189	SP1/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	47	42	12.6
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936109)								
HK2428083-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936110)								
HK2428083-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936111)								
HK2428083-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936112)								

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936112) - Continued								
HK2428083-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	4.36	4.36	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936113)								
HK2428083-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936114)								
HK2428083-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.02	0.02	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936115)								
HK2428083-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	3.76	3.85	2.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936141)								
HK2428083-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.07	0.07	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936142)								
HK2428083-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.11	1.12	1.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936143)								
HK2428083-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.08	0.07	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936144)								
HK2428083-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.08	1.08	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936145)								
HK2428083-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.07	0.07	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936146)								
HK2428083-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.00	1.00	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936147)								
HK2428083-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.15	0.15	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936148)								
HK2428083-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.51	0.50	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936149)								
HK2428083-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.08	0.08	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936150)								
HK2428083-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.20	1.20	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936151)								
HK2428083-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.11	0.10	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936152)								
HK2428083-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.47	1.46	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936153)								



Matrix: WATER

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936153) - Continued								
HK2428083-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.18	0.16	15.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936154)								
HK2428083-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.57	0.55	4.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946635)								
HK2428083-020	W4/ME/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.4	1.4	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946636)								
HK2428083-020	W4/ME/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.03	0.03	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946637)								
HK2428083-040	W6/ME/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.4	1.4	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946638)								
HK2428083-040	W6/ME/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946639)								
HK2428083-078	E26/ME/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	5.6	5.8	3.5
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946640)								
HK2428083-078	E26/ME/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.85	0.84	1.7
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949007)								
HK2428083-110	W2/MF/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.5	1.4	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949008)								
HK2428083-110	W2/MF/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949009)								
HK2428083-130	W7/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.4	1.4	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949010)								
HK2428083-130	W7/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.04	0.04	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949011)								
HK2428083-160	E27/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	5.6	5.4	2.3
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949012)								
HK2428083-160	E27/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.82	0.83	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949013)								
HK2428083-190	SP1/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	5.2	5.3	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949014)								
HK2428083-190	SP1/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.78	0.78	0.0



Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
Method: Compound	CAS Number										
EA/ED: Physical and Aggregate Properties (QC Lot: 5934939)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5934940)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	106	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5934941)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5934942)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5934943)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	106	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5934944)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	97.0	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5934945)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	104	----	85.7	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936109)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	92.6	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936110)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	90.7	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936111)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	97.1	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936112)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	91.0	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936113)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	97.0	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936114)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	90.6	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936115)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	94.2	----	89.3	109	----	----



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936141)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	95.2	----	78.8	120	----	----
				<0.01	0.4 mg/L	101	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936142)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	97.8	----	86.0	124	----	----
				<0.01	0.4 mg/L	111	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936143)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	104	----	78.8	120	----	----
				<0.01	0.4 mg/L	105	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936144)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	100	----	86.0	124	----	----
				<0.01	0.4 mg/L	108	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936145)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	107	----	78.8	120	----	----
				<0.01	0.4 mg/L	106	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936146)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	102	----	86.0	124	----	----
				<0.01	0.4 mg/L	109	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936147)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	110	----	78.8	120	----	----
				<0.01	0.4 mg/L	103	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936148)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	104	----	86.0	124	----	----
				<0.01	0.4 mg/L	109	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936149)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	107	----	78.8	120	----	----
				<0.01	0.4 mg/L	104	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936150)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	103	----	86.0	124	----	----
				<0.01	0.4 mg/L	108	----	94.8	113	----	----

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936151)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	95.6	----	78.8	120	----	----
					<0.01	0.4 mg/L	104	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936152)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	104	----	86.0	124	----	----
					<0.01	0.4 mg/L	108	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936153)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	89.6	----	78.8	120	----	----
					<0.01	0.4 mg/L	105	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936154)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	102	----	86.0	124	----	----
					<0.01	0.4 mg/L	109	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946635)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	111	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946636)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	102	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946637)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	112	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946638)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	97.6	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946639)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	113	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946640)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	102	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949007)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	110	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949008)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	96.5	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949009)												



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949009) - Continued											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	107	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949010)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	97.7	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949011)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	109	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949012)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	96.9	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949013)											
EK062P: Total Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	106	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949014)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	96.9	----	93.1	103	----	----
EP: Aggregate Organics (QC Lot: 5937105)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	101	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5937106)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	99.7	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5937107)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	100	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5937108)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	99.8	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5937109)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	101	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5937110)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	101	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5937111)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	101	----	77.6	118	----	----

Matrix: **WATER**

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
Laboratory sample ID	Sample ID	Method: Compound	CAS Number							
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936109)										
HK2428083-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	95.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936110)										
HK2428083-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	76.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936111)										
HK2428083-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	77.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936112)										
HK2428083-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	84.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936113)										
HK2428083-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	108	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936114)										
HK2428083-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	97.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936115)										
HK2428083-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	98.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936141)										
HK2428083-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	107	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936142)										
HK2428083-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936143)										
HK2428083-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936144)										
HK2428083-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	5 mg/L	99.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936145)										
HK2428083-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936146)										

Matrix: WATER					Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936146) - Continued										
HK2428083-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	94.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936147)										
HK2428083-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936148)										
HK2428083-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	105	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936149)										
HK2428083-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936150)										
HK2428083-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	100	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936151)										
HK2428083-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936152)										
HK2428083-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	92.9	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936153)										
HK2428083-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	105	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5936154)										
HK2428083-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	103	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946635)										
HK2428083-020	W4/ME/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	94.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946636)										
HK2428083-020	W4/ME/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	99.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946637)										
HK2428083-040	W6/ME/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	76.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946638)										



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
Laboratory sample ID	Sample ID	Method: Compound	CAS Number							
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946638) - Continued										
HK2428083-040	W6/ME/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	94.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946639)										
HK2428083-078	E26/ME/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	5 mg/L	107	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5946640)										
HK2428083-078	E26/ME/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949007)										
HK2428083-110	W2/MF/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	81.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949008)										
HK2428083-110	W2/MF/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	96.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949009)										
HK2428083-130	W7/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	86.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949010)										
HK2428083-130	W7/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	99.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949011)										
HK2428083-160	E27/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	5 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949012)										
HK2428083-160	E27/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	98.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949013)										
HK2428083-190	SP1/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	5 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5949014)										
HK2428083-190	SP1/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	1 mg/L	100	----	75.0	125	----	----



CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 39
Contact	: MR THOMAS WONG	Contact	: Richard Fung	Work Order	: HK2428509
Address	: RM623, 6/F, GOLDFIELD INDUSTRIAL CENTRE NO. 1 SUI WO ROAD, FO TAN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
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Facsimile	: —	Facsimile	: +852 2610 2021		
Project	: HUNG SHUI KIU EFFLUENT POLISHING PLANT PHASE 1			Date Samples Received	: 20-Jul-2024
Order number	: —	Quote number	: HKE/1756/2024_V2	Issue Date	: 06-Aug-2024
C-O-C number	: —			No. of samples received	: 132
Site	: —			No. of samples analysed	: 132

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This document has been signed by those names that appear on this report and are the authorised signatories.

<u>Signatories</u>	<u>Position</u>	<u>Authorised results for</u>
 Fung Lim Chee, Richard	Managing Director	Inorganics
 Ng Sin Kou, May	Laboratory Manager	Microbiology_ENV



General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 20-Jul-2024 to 06-Aug-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2428509

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.

Microbiological sample(s) were collected in 125mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 17:55.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

* denoted the estimated count; Result based on a count outside of standard method's countable range.

EK061P - Total Kjeldahl Nitrogen is the difference of Total Nitrogen and Total Oxidizable Nitrogen.

EK063A - Total Inorganic Nitrogen is the sum of the Total Oxidizable Nitrogen and Ammonical Nitrogen.



Analytical Results

Sub-Matrix: WATER

Sample ID

Sampling date / time

				W5/ME/S/ REPLICATE 1	W5/ME/S/ REPLICATE 2	W5/ME/M/ REPLICATE 1	W5/ME/M/ REPLICATE 2	W5/ME/B/ REPLICATE 1
				20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit	HK2428509-001	HK2428509-002	HK2428509-003	HK2428509-004	HK2428509-005
EA/ED: Physical and Aggregate Properties								
EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	<2	<2	<2
ED/EK: Inorganic Nonmetallic Parameters								
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.05	0.06	0.07	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	0.68	0.71	0.70	0.69	0.70
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.73	0.76	0.76	0.76	0.78
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	0.73	0.76	0.76	0.76	0.78
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.01	0.02	0.01	0.03	0.01
EP: Aggregate Organics								
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	<2	<2
EM: Microbiological Testing								
EM019: Escherichia coli	----	1	CFU/100mL	15	8	32	23	6*



Sub-Matrix: WATER				Sample ID	W5/ME/B/ REPLICATE 2	W1/ME/S/ REPLICATE 1	W1/ME/S/ REPLICATE 2	W1/ME/M/ REPLICATE 1	W1/ME/M/ REPLICATE 2
Sampling date / time					20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-006	HK2428509-007	HK2428509-008	HK2428509-009	HK2428509-010
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	2	2	<2	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.06	0.06	0.07	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.70	0.72	0.68	0.68	0.69
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.77	0.77	0.74	0.75	0.75
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.3	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.77	0.77	0.74	0.75	0.75
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.03	0.02	0.01	0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3*	28	22	24	11



Sub-Matrix: WATER				Sample ID	W1/ME/B/ REPLICATE 1	W1/ME/B/ REPLICATE 2	W2/ME/S/ REPLICATE 1	W2/ME/S/ REPLICATE 2	W2/ME/M/ REPLICATE 1
Sampling date / time					20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-011	HK2428509-012	HK2428509-013	HK2428509-014	HK2428509-015
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	2	<2	<2	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.06	0.05	0.06	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.68	0.69	0.71	0.71	0.68
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.75	0.76	0.76	0.76	0.75
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.75	0.76	0.76	0.76	0.75
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.01	0.01	0.01	0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		15	20	19	22	20



Sub-Matrix: WATER				Sample ID	W2/ME/M/ REPLICATE 2	W2/ME/B/ REPLICATE 1	W2/ME/B/ REPLICATE 2	W4/ME/S/ REPLICATE 1	W4/ME/S/ REPLICATE 2
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-016	HK2428509-017	HK2428509-018	HK2428509-019	HK2428509-020
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	<2	2	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.02	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.07	0.08	0.08	0.06	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.70	0.70	0.69	0.69	0.68
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.77	0.78	0.77	0.75	0.74
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.79	0.78	0.77	0.75	0.74
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.01	0.01	0.02	0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		9	12	9	9	14



Sub-Matrix: WATER				Sample ID	W4/ME/M/ REPLICATE 1	W4/ME/M/ REPLICATE 2	W4/ME/B/ REPLICATE 1	W4/ME/B/ REPLICATE 2	W8/ME/S/ REPLICATE 1
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-021	HK2428509-022	HK2428509-023	HK2428509-024	HK2428509-025
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	<2	<2	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.05	0.06	0.05	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.69	0.68	0.68	0.68	0.68
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.74	0.73	0.74	0.73	0.74
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.3	0.3	0.3	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.74	0.73	0.74	0.73	0.74
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.01	0.01	0.01	0.02
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		18	21	26	15	21



Sub-Matrix: WATER				Sample ID	W8/ME/S/ REPLICATE 2	W8/ME/M/ REPLICATE 1	W8/ME/M/ REPLICATE 2	W8/ME/B/ REPLICATE 1	W8/ME/B/ REPLICATE 2
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-026	HK2428509-027	HK2428509-028	HK2428509-029	HK2428509-030
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	<2	<2	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	0.02
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.08	0.07	0.05	0.06	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.67	0.67	0.69	0.69	0.69
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.75	0.73	0.74	0.75	0.76
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.3	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.75	0.73	0.74	0.75	0.79
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.01	0.01	0.01	0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		14	20	11	41	25



Sub-Matrix: WATER				Sample ID	W7/ME/S/ REPLICATE 1	W7/ME/S/ REPLICATE 2	W7/ME/M/ REPLICATE 1	W7/ME/M/ REPLICATE 2	W7/ME/B/ REPLICATE 1
Sampling date / time					20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-031	HK2428509-032	HK2428509-033	HK2428509-034	HK2428509-035
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	<2	<2	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.02	0.02	0.03	0.02	0.02
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.08	0.07	0.06	0.09
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.70	0.67	0.68	0.70	0.66
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.76	0.75	0.75	0.75	0.75
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.3	0.2	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.78	0.77	0.78	0.78	0.77
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.02	0.01	0.01	0.02
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		27	25	25	27	7*



Sub-Matrix: WATER				Sample ID	W7/ME/B/ REPLICATE 2	W6/ME/S/ REPLICATE 1	W6/ME/S/ REPLICATE 2	W6/ME/M/ REPLICATE 1	W6/ME/M/ REPLICATE 2
Sampling date / time					20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-036	HK2428509-037	HK2428509-038	HK2428509-039	HK2428509-040
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	<2	<2	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.04	0.02	0.02	0.02	0.02
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.05	0.07	0.05	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.70	0.69	0.68	0.68	0.68
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.76	0.74	0.75	0.73	0.73
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.3	0.3	0.3	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.80	0.76	0.77	0.75	0.76
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.01	0.01	0.01	0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		12	28	27	20	39



Sub-Matrix: WATER				Sample ID		W6/ME/B/ REPLICATE 1	W6/ME/B/ REPLICATE 2	W3/ME/S/ REPLICATE 1	W3/ME/S/ REPLICATE 2	W3/ME/M/ REPLICATE 1
Sampling date / time						20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit	HK2428509-041		HK2428509-042	HK2428509-043	HK2428509-044	HK2428509-045	
EA/ED: Physical and Aggregate Properties										
EA025: Suspended Solids (SS)	----	2	mg/L	<2		<2	<2	<2	<2	
ED/EK: Inorganic Nonmetallic Parameters										
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.03		0.02	0.02	0.02	0.02	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06		0.07	0.07	0.07	0.06	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	0.67		0.65	0.65	0.67	0.67	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.73		0.72	0.72	0.74	0.73	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.3		0.3	0.3	0.3	0.3	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.0		1.0	1.0	1.0	1.0	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	0.76		0.75	0.75	0.76	0.75	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.01		0.01	0.01	0.01	0.01	
EP: Aggregate Organics										
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2		<2	<2	<2	<2	
EM: Microbiological Testing										
EM019: Escherichia coli	----	1	CFU/100mL	23		16	15	29	32	



Sub-Matrix: WATER				Sample ID	W3/ME/M/ REPLICATE 2	W3/ME/B/ REPLICATE 1	W3/ME/B/ REPLICATE 2	DB1/ME/M/ REPLICATE 1	DB1/ME/M/ REPLICATE 2
Sampling date / time					20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-046	HK2428509-047	HK2428509-048	HK2428509-051	HK2428509-052
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	<2	3	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.02	0.02	0.04	0.03	0.03
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.06	0.06	0.03	0.03
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.70	0.69	0.70	0.63	0.63
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.75	0.74	0.76	0.66	0.65
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.4	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.77	0.77	0.80	0.68	0.68
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.01	0.01	0.04	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		25	28	20	29	42



Sub-Matrix: WATER				Sample ID	E24/ME/M/ REPLICATE 1	E24/ME/M/ REPLICATE 2	E27/ME/M/ REPLICATE 1	E27/ME/M/ REPLICATE 2	E25/ME/M/ REPLICATE 1
Sampling date / time					20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit	HK2428509-057	HK2428509-058	HK2428509-063	HK2428509-064	HK2428509-069	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	5	3	89	76	73	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.04	0.03	1.90	1.86	1.71	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.03	0.03	0.18	0.18	0.17	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	0.62	0.62	1.16	1.17	1.17	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.64	0.65	1.33	1.35	1.34	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.4	0.4	2.9	2.8	2.8	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.0	1.1	4.2	4.2	4.1	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	0.68	0.68	3.24	3.21	3.05	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.06	0.06	0.52	0.49	0.54	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	4	4	4	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	37	40	6500	4600	5500	



Sub-Matrix: WATER				Sample ID	E25/ME/M/ REPLICATE 2	E26/ME/S/ REPLICATE 1	E26/ME/S/ REPLICATE 2	E26/ME/B/ REPLICATE 1	E26/ME/B/ REPLICATE 2
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-070	HK2428509-073	HK2428509-074	HK2428509-077	HK2428509-078
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		63	62	61	67	70
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		1.78	1.71	1.81	1.75	1.98
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.18	0.18	0.17	0.17
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.14	1.18	1.17	1.17	1.18
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.32	1.35	1.34	1.34	1.35
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		2.8	2.8	2.9	2.8	2.9
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.2	4.2	4.2	4.1	4.3
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.10	3.06	3.15	3.09	3.33
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.50	0.53	0.47	0.50	0.50
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		4300	3100	4700	5200	6500



Sub-Matrix: WATER				Sample ID	KT1/ME/M/ REPLICATE 1	KT1/ME/M/ REPLICATE 2	E28/ME/M/ REPLICATE 1	E28/ME/M/ REPLICATE 2	SP1/ME/M/ REPLICATE 1
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-081	HK2428509-082	HK2428509-087	HK2428509-088	HK2428509-093
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		70	85	59	61	52
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		1.78	1.81	1.80	1.83	1.67
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.17	0.17	0.18	0.18	0.17
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.17	1.17	1.16	1.15	1.15
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.34	1.34	1.34	1.32	1.32
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		2.8	2.9	2.9	2.8	2.8
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.1	4.2	4.3	4.1	4.2
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.12	3.15	3.14	3.15	2.99
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.46	0.48	0.49	0.49	0.50
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	4	4	3
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		3900	4700	5300	4000	5700



Sub-Matrix: WATER				Sample ID	SP1/ME/M/ REPLICATE 2	W5/MF/S/ REPLICATE 1	W5/MF/S/ REPLICATE 2	W5/MF/M/ REPLICATE 1	W5/MF/M/ REPLICATE 2
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-094	HK2428509-097	HK2428509-098	HK2428509-099	HK2428509-100
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		54	<2	<2	<2	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		1.97	0.02	0.03	0.03	0.02
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.07	0.07	0.06	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.10	0.68	0.69	0.70	0.69
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.29	0.75	0.76	0.76	0.75
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		2.9	0.2	0.3	0.3	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.2	1.0	1.1	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.26	0.77	0.79	0.78	0.77
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.54	0.01	0.01	0.01	0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		3	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		6300	21	26	14	17



Sub-Matrix: WATER				Sample ID	W5/MF/B/ REPLICATE 1	W5/MF/B/ REPLICATE 2	W1/MF/S/ REPLICATE 1	W1/MF/S/ REPLICATE 2	W1/MF/M/ REPLICATE 1
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-101	HK2428509-102	HK2428509-103	HK2428509-104	HK2428509-105
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	2	3	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.02	0.02	0.01	0.02	0.02
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.05	0.08	0.07	0.06	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.70	0.68	0.68	0.69	0.69
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.75	0.76	0.75	0.76	0.75
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.78	0.78	0.77	0.77	0.77
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.01	0.01	0.01	0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		27	12	19	20	20



Sub-Matrix: WATER				Sample ID	W1/MF/M/ REPLICATE 2	W1/MF/B/ REPLICATE 1	W1/MF/B/ REPLICATE 2	W2/MF/S/ REPLICATE 1	W2/MF/S/ REPLICATE 2
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-106	HK2428509-107	HK2428509-108	HK2428509-109	HK2428509-110
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		3	2	3	2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.04	0.06	0.07	0.07	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.69	0.68	0.66	0.66	0.66
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.73	0.74	0.73	0.73	0.73
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.3	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.73	0.74	0.73	0.73	0.73
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.01	0.02	0.01	0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		18	25	39	23	38



Sub-Matrix: WATER				Sample ID	W2/MF/M/ REPLICATE 1	W2/MF/M/ REPLICATE 2	W2/MF/B/ REPLICATE 1	W2/MF/B/ REPLICATE 2	W4/MF/S/ REPLICATE 1
Sampling date / time					20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-111	HK2428509-112	HK2428509-113	HK2428509-114	HK2428509-115
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	2	2	3	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.07	0.06	0.06	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.67	0.66	0.67	0.68	0.68
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.72	0.73	0.73	0.73	0.74
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.72	0.73	0.73	0.73	0.74
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.02	0.01	0.01	0.01	0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		27	18	14	30	21



Sub-Matrix: WATER				Sample ID	W4/MF/S/ REPLICATE 2	W4/MF/M/ REPLICATE 1	W4/MF/M/ REPLICATE 2	W4/MF/B/ REPLICATE 1	W4/MF/B/ REPLICATE 2
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-116	HK2428509-117	HK2428509-118	HK2428509-119	HK2428509-120
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	<2	<2	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.07	0.06	0.07	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.68	0.67	0.67	0.66	0.68
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.74	0.73	0.73	0.73	0.74
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.3	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.74	0.73	0.73	0.73	0.74
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.02	0.01	0.01	0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		47	52	24	29	37



Sub-Matrix: WATER				Sample ID	W8/MF/S/ REPLICATE 1	W8/MF/S/ REPLICATE 2	W8/MF/M/ REPLICATE 1	W8/MF/M/ REPLICATE 2	W8/MF/B/ REPLICATE 1
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-121	HK2428509-122	HK2428509-123	HK2428509-124	HK2428509-125
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	2	2	2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.06	0.06	0.06	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.69	0.67	0.67	0.68	0.67
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.74	0.73	0.73	0.74	0.73
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.74	0.73	0.73	0.74	0.73
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.01	0.01	0.01	0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		11	19	12	30	28



Sub-Matrix: WATER				Sample ID	W8/MF/B/ REPLICATE 2	W7/MF/S/ REPLICATE 1	W7/MF/S/ REPLICATE 2	W7/MF/M/ REPLICATE 1	W7/MF/M/ REPLICATE 2
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-126	HK2428509-127	HK2428509-128	HK2428509-129	HK2428509-130
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		2	<2	<2	<2	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.06	0.06	0.06	0.07
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.69	0.68	0.68	0.68	0.67
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.74	0.74	0.75	0.74	0.74
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.2	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.74	0.74	0.75	0.74	0.74
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.01	0.01	0.01	0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		29	27	20	44	29



Sub-Matrix: WATER				Sample ID	W7/MF/B/ REPLICATE 1	W7/MF/B/ REPLICATE 2	W6/MF/S/ REPLICATE 1	W6/MF/S/ REPLICATE 2	W6/MF/M/ REPLICATE 1
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-131	HK2428509-132	HK2428509-133	HK2428509-134	HK2428509-135
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	<2	<2	<2
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.01	<0.01	0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.06	0.07	0.06	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.67	0.67	0.68	0.67	0.66
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.73	0.73	0.75	0.73	0.73
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.2	0.2	0.2	0.2
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.74	0.73	0.76	0.73	0.73
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.02	0.01	0.02	0.02	0.03
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		11	5*	30	39	19



Sub-Matrix: WATER				Sample ID	W6/MF/M/ REPLICATE 2	W6/MF/B/ REPLICATE 1	W6/MF/B/ REPLICATE 2	W3/MF/S/ REPLICATE 1	W3/MF/S/ REPLICATE 2
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-136	HK2428509-137	HK2428509-138	HK2428509-139	HK2428509-140
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	<2	2	3
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.05	0.07	0.07	0.06
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.66	0.57	0.65	0.64	0.61
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.72	0.62	0.72	0.72	0.68
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.3	0.2	0.3
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	0.9	1.0	1.0	0.9
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.72	0.62	0.72	0.72	0.68
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.02	0.03	0.02	0.02	<0.01
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		32	26	30	43	20



Sub-Matrix: WATER				Sample ID	W3/MF/M/ REPLICATE 1	W3/MF/M/ REPLICATE 2	W3/MF/B/ REPLICATE 1	W3/MF/B/ REPLICATE 2	DB1/MF/M/ REPLICATE 1
Sampling date / time					20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-141	HK2428509-142	HK2428509-143	HK2428509-144	HK2428509-147
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		<2	<2	<2	<2	73
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	0.04
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.06	0.08	0.06	0.06	0.05
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.66	0.64	0.66	0.66	0.61
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		0.72	0.72	0.73	0.72	0.66
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.2	0.3	0.4
EK062P: Total Nitrogen as N	----	0.1	mg/L		1.0	1.0	1.0	1.0	1.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		0.72	0.72	0.73	0.72	0.70
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.01	0.02	0.01	0.02	0.05
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<2	<2	<2	<2
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		29	29	22	22	63



Sub-Matrix: WATER				Sample ID	DB1/MF/M/ REPLICATE 2	E24/MF/M/ REPLICATE 1	E24/MF/M/ REPLICATE 2	E27/MF/M/ REPLICATE 1	E27/MF/M/ REPLICATE 2
Sampling date / time				20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	
Compound	CAS Number	LOR	Unit	HK2428509-148	HK2428509-153	HK2428509-154	HK2428509-159	HK2428509-160	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L	99	3	2	4	3	
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.02	0.03	0.02	1.75	1.86	
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.04	0.04	0.06	0.17	0.17	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	0.62	0.62	0.62	1.17	1.15	
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.66	0.66	0.68	1.34	1.32	
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.4	0.4	0.3	2.8	2.9	
EK062P: Total Nitrogen as N	----	0.1	mg/L	1.1	1.0	1.0	4.1	4.2	
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L	0.69	0.69	0.70	3.10	3.18	
EK067P: Total Phosphorus as P	----	0.01	mg/L	0.05	0.05	0.04	0.47	0.45	
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	<2	<2	3	3	
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL	55	3700	2800	5600	4700	



Sub-Matrix: WATER				Sample ID	E25/MF/M/ REPLICATE 1	E25/MF/M/ REPLICATE 2	E26/MF/S/ REPLICATE 1	E26/MF/S/ REPLICATE 2	E26/MF/B/ REPLICATE 1
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-165	HK2428509-166	HK2428509-169	HK2428509-170	HK2428509-173
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		83	64	74	54	46
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		1.89	1.97	2.03	1.84	1.95
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.17	0.20	0.17	0.20
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.10	1.11	1.08	1.12	1.06
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.29	1.29	1.28	1.29	1.26
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		2.8	2.9	2.8	2.9	2.9
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.1	4.2	4.1	4.2	4.2
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.18	3.26	3.31	3.13	3.21
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.50	0.54	0.51	0.47	0.54
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	3	3	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		7300	6100	7500	6300	7000



Sub-Matrix: WATER				Sample ID	E26/MF/B/ REPLICATE 2	KT1/MF/M/ REPLICATE 1	KT1/MF/M/ REPLICATE 2	E28/MF/M/ REPLICATE 1	E28/MF/M/ REPLICATE 2
				Sampling date / time	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024	20-Jul-2024
Compound	CAS Number	LOR	Unit		HK2428509-174	HK2428509-177	HK2428509-178	HK2428509-183	HK2428509-184
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		75	81	63	61	56
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		1.96	1.90	1.93	1.94	1.94
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.18	0.17	0.20	0.18	0.20
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.12	1.16	1.08	1.14	1.07
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.30	1.33	1.28	1.32	1.28
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		2.9	2.8	2.9	2.8	2.8
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.2	4.2	4.2	4.2	4.0
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.26	3.22	3.21	3.26	3.22
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.48	0.54	0.53	0.56	0.49
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	3	4	4	4
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		7900	12000	9000	10000	7700



Sub-Matrix: WATER				Sample ID	SP1/MF/M/ REPLICATE 1	SP1/MF/M/ REPLICATE 2	---	---	---
				Sampling date / time	20-Jul-2024	20-Jul-2024	---	---	---
Compound	CAS Number	LOR	Unit		HK2428509-189	HK2428509-190	-----	-----	-----
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	2	mg/L		59	75	---	---	---
ED/EK: Inorganic Nonmetallic Parameters									
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		1.89	1.89	---	---	---
EK057A: Nitrite as N	14797-65-0	0.01	mg/L		0.20	0.20	---	---	---
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		1.13	1.13	---	---	---
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L		1.33	1.33	---	---	---
EK061P: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		2.9	2.8	---	---	---
EK062P: Total Nitrogen as N	----	0.1	mg/L		4.2	4.1	---	---	---
EK063A: Total Inorganic Nitrogen as N	----	0.02	mg/L		3.22	3.22	---	---	---
EK067P: Total Phosphorus as P	----	0.01	mg/L		0.52	0.63	---	---	---
EP: Aggregate Organics									
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	4	---	---	---
EM: Microbiological Testing									
EM019: Escherichia coli	----	1	CFU/100mL		8100	7500	---	---	---

----- END OF REPORT -----

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting “0.0” denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 5940811)								
HK2428509-001	W5/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0
HK2428509-011	W1/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	2	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5940812)								
HK2428509-021	W4/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0
HK2428509-031	W7/ME/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5940813)								
HK2428509-041	W6/ME/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0
HK2428509-057	E24/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	5	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5940814)								
HK2428509-081	KT1/ME/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	70	73	4.3
HK2428509-101	W5/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5940815)								
HK2428509-111	W2/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	2	2	0.0
HK2428509-121	W8/MF/S/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5940816)								
HK2428509-131	W7/MF/B/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0
HK2428509-141	W3/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	<2	<2	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 5940817)								
HK2428509-165	E25/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	83	81	2.4
HK2428509-189	SP1/MF/M/ REPLICATE 1	EA025: Suspended Solids (SS)	----	2	mg/L	59	61	3.3
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939849)								
HK2428509-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939850)								
HK2428509-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.02	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939851)								
HK2428509-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.03	0.02	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939852)								

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939852) - Continued								
HK2428509-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	1.78	1.80	1.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939853)								
HK2428509-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939854)								
HK2428509-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.01	0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939855)								
HK2428509-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	1.89	1.90	0.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939972)								
HK2428509-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939973)								
HK2428509-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.73	0.74	1.7
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939974)								
HK2428509-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939975)								
HK2428509-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.74	0.74	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939976)								
HK2428509-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939977)								
HK2428509-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.73	0.73	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939978)								
HK2428509-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.17	0.16	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939979)								
HK2428509-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.34	1.34	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939982)								
HK2428509-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.05	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939983)								
HK2428509-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.72	0.73	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939984)								
HK2428509-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.06	0.06	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939985)								
HK2428509-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.73	0.73	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939986)								



Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939986) - Continued								
HK2428509-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.01	mg/L	0.18	0.18	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939987)								
HK2428509-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	1.29	1.30	0.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955744)								
HK2428509-020	W4/ME/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.0	1.0	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955745)								
HK2428509-020	W4/ME/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.01	0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955746)								
HK2428509-040	W6/ME/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.0	1.0	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955747)								
HK2428509-040	W6/ME/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.01	0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955748)								
HK2428509-078	E26/ME/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	4.3	4.0	7.7
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955749)								
HK2428509-078	E26/ME/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.50	0.49	2.2
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955750)								
HK2428509-110	W2/MF/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.0	1.0	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955751)								
HK2428509-110	W2/MF/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.01	0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955752)								
HK2428509-130	W7/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	1.0	1.0	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955753)								
HK2428509-130	W7/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.01	0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955754)								
HK2428509-160	E27/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	4.2	4.0	4.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955755)								
HK2428509-160	E27/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.45	0.44	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955756)								
HK2428509-190	SP1/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.1	mg/L	4.1	4.1	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955757)								
HK2428509-190	SP1/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.63	0.58	9.6



Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
Method: Compound	CAS Number										
EA/ED: Physical and Aggregate Properties (QC Lot: 5940811)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	104	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5940812)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	97.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5940813)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5940814)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5940815)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	104	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5940816)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	103	----	85.7	113	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 5940817)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	----	85.7	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939849)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	92.9	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939850)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	92.8	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939851)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	92.8	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939852)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	90.5	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939853)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	98.3	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939854)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	99.2	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939855)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	96.9	----	89.3	109	----	----



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939972)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	94.2	----	78.8	120	----	----
				<0.01	0.4 mg/L	105	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939973)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	88.0	----	86.0	124	----	----
				<0.01	0.4 mg/L	100	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939974)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	102	----	78.8	120	----	----
				<0.01	0.4 mg/L	105	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939975)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	90.6	----	86.0	124	----	----
				<0.01	0.4 mg/L	104	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939976)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	101	----	78.8	120	----	----
				<0.01	0.4 mg/L	103	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939977)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	90.2	----	86.0	124	----	----
				<0.01	0.4 mg/L	100	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939978)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	93.2	----	78.8	120	----	----
				<0.01	0.4 mg/L	104	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939979)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	88.8	----	86.0	124	----	----
				<0.01	0.4 mg/L	101	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939982)											
EK057A: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	103	----	78.8	120	----	----
				<0.01	0.4 mg/L	102	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939983)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	93.6	----	86.0	124	----	----
				<0.01	0.4 mg/L	101	----	94.8	113	----	----

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939984)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	104	----	78.8	120	----	----
					<0.01	0.4 mg/L	104	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939985)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	87.4	----	86.0	124	----	----
					<0.01	0.4 mg/L	103	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939986)												
EK057A: Nitrite as N		14797-65-0	0.01	mg/L	<0.01	0.05 mg/L	92.4	----	78.8	120	----	----
					<0.01	0.4 mg/L	106	----	98.6	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939987)												
EK059A: Nitrite + Nitrate as N		----	0.01	mg/L	<0.01	0.05 mg/L	95.2	----	86.0	124	----	----
					<0.01	0.4 mg/L	99.9	----	94.8	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955744)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	104	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955745)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	97.8	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955746)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	106	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955747)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	97.4	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955748)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	104	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955749)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	96.9	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955750)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	107	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955751)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	98.4	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955752)												



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955752) - Continued												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	104	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955753)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	98.2	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955754)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	106	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955755)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	101	----	93.1	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955756)												
EK062P: Total Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	105	----	93.4	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955757)												
EK067P: Total Phosphorus as P		----	0.01	mg/L	<0.01	0.5 mg/L	101	----	93.1	103	----	----
EP: Aggregate Organics (QC Lot: 5939115)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	95.9	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5940309)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	92.3	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5940310)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	95.2	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5940311)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	93.9	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5940312)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	102	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5940313)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	99.5	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5940314)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	98.5	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 5940315)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	102	----	77.6	118	----	----

Matrix: **WATER**

Matrix: WATER					Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939849)										
HK2428509-001	W5/ME/S/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	114	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939850)										
HK2428509-021	W4/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	118	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939851)										
HK2428509-041	W6/ME/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	108	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939852)										
HK2428509-081	KT1/ME/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	97.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939853)										
HK2428509-111	W2/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	88.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939854)										
HK2428509-131	W7/MF/B/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	77.8	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939855)										
HK2428509-165	E25/MF/M/ REPLICATE 1	EK055K: Ammonia as N	7664-41-7	5 mg/L	95.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939972)										
HK2428509-001	W5/ME/S/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	97.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939973)										
HK2428509-001	W5/ME/S/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939974)										
HK2428509-021	W4/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	104	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939975)										
HK2428509-021	W4/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	98.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939976)										
HK2428509-041	W6/ME/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	106	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939977)										

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
Laboratory sample ID	Sample ID	Method: Compound	CAS Number							
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939977) - Continued										
HK2428509-041	W6/ME/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	97.5	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939978)										
HK2428509-081	KT1/ME/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	102	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939979)										
HK2428509-081	KT1/ME/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	85.9	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939982)										
HK2428509-111	W2/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.25 mg/L	108	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939983)										
HK2428509-111	W2/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	92.3	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939984)										
HK2428509-131	W7/MF/B/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	103	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939985)										
HK2428509-131	W7/MF/B/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	102	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939986)										
HK2428509-165	E25/MF/M/ REPLICATE 1	EK057A: Nitrite as N	14797-65-0	0.5 mg/L	108	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5939987)										
HK2428509-165	E25/MF/M/ REPLICATE 1	EK059A: Nitrite + Nitrate as N	----	1 mg/L	89.7	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955744)										
HK2428509-020	W4/ME/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	107	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955745)										
HK2428509-020	W4/ME/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	89.2	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955746)										
HK2428509-040	W6/ME/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	99.7	----	75.0	125	----	
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955747)										



Matrix: WATER

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number		MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955747) - Continued										
HK2428509-040	W6/ME/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	94.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955748)										
HK2428509-078	E26/ME/B/ REPLICATE 2	EK062P: Total Nitrogen as N	----	5 mg/L	99.9	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955749)										
HK2428509-078	E26/ME/B/ REPLICATE 2	EK067P: Total Phosphorus as P	----	5 mg/L	97.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955750)										
HK2428509-110	W2/MF/S/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	100	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955751)										
HK2428509-110	W2/MF/S/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	94.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955752)										
HK2428509-130	W7/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	0.5 mg/L	98.1	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955753)										
HK2428509-130	W7/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	0.5 mg/L	96.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955754)										
HK2428509-160	E27/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	5 mg/L	102	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955755)										
HK2428509-160	E27/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	5 mg/L	99.9	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955756)										
HK2428509-190	SP1/MF/M/ REPLICATE 2	EK062P: Total Nitrogen as N	----	5 mg/L	107	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5955757)										
HK2428509-190	SP1/MF/M/ REPLICATE 2	EK067P: Total Phosphorus as P	----	5 mg/L	99.2	----	75.0	125	----	----