ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

· ERM HONG KONG Client Contact

Laboratory : MS JOANNA KWAN : 21/F, LINCOLN HOUSE, 979 KING'S ROAD, Address

TAIKOO PLACE, ISLAND EAST,

QUARRY BAY, HONG KONG

Joanna.kwan@erm.com E-mail

+852 2271 3000 Telephone Facsimile +852 2723 5660

Project : WATER QUALITY MONITORING PROGRAMME

DEEP WATER BAY AND PO TOI

Order number

Address

C-O-C number Site

: Chan Kwok Fai, Godfrey Contact

: 11/F., Chung Shun Knitting Centre,

: ALS Technichem HK Pty Ltd

1 - 3 Wing Yip Street,

Kwai Chung, N.T., Hong Kong : Godfrey.Chan@alsenviro.com

· +852 2610 1044

Facsimile +852 2610 2021

Quote number

: 24-JUL-2009 Date received

Page

Work Order

Date of issue : 28-JUL-2009

30 No. of samples Received

: 1 of 4

HK0914949

30 Analysed

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0914949 supersedes any previous reports with this reference. The completion date of analysis is 27-JUL-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Fung Lim Chee, Richard

Specific comments for Work Order HK0914949:

Sample(s) were received in a chilled condition.

E-mail

Telephone

Water sample(s) analysed and reported on an as received basis.

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Position Signatory

General Manager

Inorganics

Authorised results for:-

ALS Laboratory Group Trading Name: ALS Technichem (HK) Pty Ltd

Client : ERM HONG KONG

Work Order HK0914949



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report								
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)				
EA/ED: Physical and	d Aggregate Properties (QC	Lot: 1051053)										
HK0914949-001	2009/07/23/1236/S1/B/E/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	8	8	0.0				
HK0914949-011	2009/07/23/1228/S2/M/E/ REPL.2	EA025: Suspended Solids (SS)		1	mg/L	9	9	0.0				
EA/ED: Physical and	d Aggregate Properties (QC	Lot: 1051054)										
HK0914949-021	2009/07/23/1251/B1/T/E/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	6	6	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	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)			
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit		
EA/ED: Physical and Aggregate Properti	es (QCLot: 1051053)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	98.5		85	115				
EA/ED: Physical and Aggregate Properti	es (QCLot: 1051054)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	102		85	115				

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

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

+852 2723 5660



CERTIFICATE OF ANALYSIS

Client: ERM HONG KONG Laboratory: ALS Technichem HK Pty Ltd Page: 1 of 4

Contact : MS JOANNA KWAN Contact : Chan Kwok Fai, Godfrey Work Order : HK0915105

Address : 21/F, LINCOLN HOUSE, 979 KING'S ROAD, Address : 11/F., Chung Shun Knitting Centre,

TAIKOO PLACE, ISLAND EAST, 1 - 3 Wing Yip Street,

QUARRY BAY, HONG KONG

Solution Joanna.kwan@erm.com

E-mail

Godfrey.Chan@alsenviro.com

Facsimile

Telephone : +852 2271 3000 Telephone : +852 2610 1044

Project : WATER QUALITY MONITORING PROGRAMME Quote number : --- Date received : 25-JUL-2009

DEEP WATER BAY AND PO TOI

Order number : ---- Date of issue : 29-JUL-2009

C-O-C number : --- No. of samples - Received : 30

Site : --- - - Analysed : 30

+852 2610 2021

Report Comments

E-mail

Facsimile

This report for ALS Technichem (HK) Pty Ltd work order reference HK0915105 supersedes any previous reports with this reference. The completion date of analysis is 27-JUL-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0915105 : Sample(s) were received in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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Signatory Position Authorised results for:-

: 4 of 4

Client

: ERM HONG KONG

Work Order



Laboratory Duplicate (DUP) Report

HK0915105

Matrix: WATER				Laboratory Duplicate (DUP) Report								
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)				
EA/ED: Physical and	d Aggregate Properties (QC	Lot: 1051158)										
HK0915105-001	2009/07/24/1337/S1/B/E/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	8	8	0.0				
HK0915105-011	2009/07/24/1330/S2/M/E/ REPL.2	EA025: Suspended Solids (SS)		1	mg/L	7	7	0.0				
EA/ED: Physical and	d Aggregate Properties (QC	Lot: 1051159)										
HK0915105-021	2009/07/24/1352/B1/T/E/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	6	6	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	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)		
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit	
EA/ED: Physical and Aggregate Properties (Q	CLot: 1051158)											
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	94.5		85	115			
EA/ED: Physical and Aggregate Properties (Q	CLot: 1051159)											
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	105		85	115			

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

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



30

CERTIFICATE OF ANALYSIS

Client : ERM HONG KONG Laboratory : ALS Technichem HK Pty Ltd Page : 1 of 4

Contact : MS JOANNA KWAN Contact : Chan Kwok Fai, Godfrey Work Order : LIKT

Contact : MS JOANNA KWAN Contact : Chan Kwok Fai, Godfrey Work Order : HK0915104

Address : 21/F, LINCOLN HOUSE, 979 KING`S ROAD, Address : 11/F., Chung Shun Knitting Centre,

TAIKOO PLACE, ISLAND EAST, 1 - 3 Wing Yip Street,

QUARRY BAY, HONG KONG

Solution Joanna.kwan@erm.com

E-mail

Kwai Chung, N.T., Hong Kong

Godfrey.Chan@alsenviro.com

 E-mail
 : Joanna.kwan@erm.com
 E-mail
 : Godfrey.Chan@alse

 Telephone
 : +852 2271 3000
 Telephone
 : +852 2610 1044

Facsimile : +852 2723 5660 Facsimile : +852 2610 2021

Project : WATER QUALITY MONITORING PROGRAMME Quote number : --- Date received : 25-JUL-2009

DEEP WATER BAY AND PO TOI

Order number : ---- Date of issue : 29-JUL-2009

C-O-C number : ---- No. of samples - Received :

Site : --- - Analysed : 30

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0915104 supersedes any previous reports with this reference. The completion date of analysis is 27-JUL-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0915104 : Sample(s) were received in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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Signatory Position Authorised results for:-

: 4 of 4

Client : ERM HONG KONG

Work Order HK0915104



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report									
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)					
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1051153)											
HK0915104-001	2009/07/24/0642/S1/B/F/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	7	7	0.0					
HK0915104-011	2009/07/24/0633/S2/M/F/ REPL.2	EA025: Suspended Solids (SS)		1	mg/L	5	5	0.0					
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1051154)											
HK0915104-021	2009/07/24/0655/B1/T/F/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	6	6	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	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)			
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit		
EA/ED: Physical and Aggregate Properties	(QCLot: 1051153)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	98.5		85	115				
EA/ED: Physical and Aggregate Properties	(QCLot: 1051154)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	96.5		85	115				

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

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



30

CERTIFICATE OF ANALYSIS

Client: ERM HONG KONG Laboratory: ALS Technichem HK Pty Ltd Page: 1 of 4

Contact : MS JOANNA KWAN Contact : Chan Kwok Fai, Godfrey Work Order : HK0915110

Address : 21/F, LINCOLN HOUSE, 979 KING'S ROAD, Address : 11/F., Chung Shun Knitting Centre,

TAIKOO PLACE, ISLAND EAST, 1 - 3 Wing Yip Street,

QUARRY BAY, HONG KONG Kwai Chung, N.T., Hong Kong

 Telephone
 : +852 2271 3000
 Telephone
 : +852 2610 1044

 Facsimile
 : +852 2723 5660
 Facsimile
 : +852 2610 2021

Project: WATER QUALITY MONITORING PROGRAMME Quote number: ---- Date received: 27-JUL-2009

DEEP WATER BAY AND PO TOI

Order number : ---- Date of issue : 29-JUL-2009

C-O-C number : ---- No. of samples - Received :

Site : --- - - Analysed : 30

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0915110 supersedes any previous reports with this reference. The completion date of analysis is 27-JUL-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0915110: Sample(s) were received in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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Signatory Position Authorised results for:-

Client : ERM HONG KONG

Work Order HK0915110



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report								
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)				
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1051164)										
HK0915110-001	2009/07/25/1358/S1/B/E/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	13	13	0.0				
HK0915110-011	2009/07/25/1352/S2/M/E/ REPL.2	EA025: Suspended Solids (SS)		1	mg/L	7	7	0.0				
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1051165)										
HK0915110-021	2009/07/25/1413/B1/T/E/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	6	6	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	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)			
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit		
EA/ED: Physical and Aggregate Properties (QCLot: 1051164)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	102		85	115				
EA/ED: Physical and Aggregate Properties (QCLot: 1051165)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	102		85	115				

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

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : ERM HONG KONG Laboratory : ALS Technichem HK Pty Ltd Page : 1 of 4

Contact : MS JOANNA KWAN Contact : Chan Kwok Fai, Godfrey Work Order : HK0915108

Address : 21/F, LINCOLN HOUSE, 979 KING'S ROAD, Address : 11/F., Chung Shun Knitting Centre,

TAIKOO PLACE, ISLAND EAST, 1 - 3 Wing Yip Street,

QUARRY BAY, HONG KONG Kwai Chung, N.T., Hong Kong

 E-mail
 : Joanna.kwan@erm.com
 E-mail
 : Godfrey.Chan@alsenviro.com

 Telephone
 : +852 2271 3000
 Telephone
 : +852 2610 1044

Telephone : +852 2271 3000 Telephone : +852 2610 1044

Facsimile : +852 2723 5660 Facsimile : +852 2610 2021

Project: WATER QUALITY MONITORING PROGRAMME Quote number: ---- Date received: 27-JUL-2009

DEEP WATER BAY AND PO TOI

Order number : ---- Date of issue : 29-JUL-2009

C-O-C number : ---- No. of samples - Received : 30

Site : --- - Analysed : 30

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0915108 supersedes any previous reports with this reference. The completion date of analysis is 27-JUL-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0915108 : Sample(s) were received in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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Signatory Position Authorised results for:-

Client : ERM HONG KONG

Work Order HK0915108



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report									
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)					
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1051162)											
HK0915108-001	2009/07/25/0808/S1/B/F/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	8	8	0.0					
HK0915108-011	2009/07/25/0800/S2/M/F/ REPL.2	EA025: Suspended Solids (SS)		1	mg/L	4	4	0.0					
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1051163)											
HK0915108-021	2009/07/25/0826/B1/T/F/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	9	9	0.0					

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

Matrix: WATER			Method Blank (Mi	B) Report	Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)		
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit	
EA/ED: Physical and Aggregate Propertion	es (QCLot: 1051162)											
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	104		85	115			
EA/ED: Physical and Aggregate Propertion	es (QCLot: 1051163)											
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	100		85	115			

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

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

+852 2723 5660



: 1 of 4

CERTIFICATE OF ANALYSIS

Client : ERM HONG KONG Laboratory : ALS Technichem HK Pty Ltd Page
Contact : MS JOANNA KWAN Contact : Chan Kwok Fai, Godfrey Work Order

Facsimile

Contact : MS JOANNA KWAN Contact : Chan Kwok Fai, Godfrey Work Order : HK0915196

Address : 21/F, LINCOLN HOUSE, 979 KING`S ROAD, Address : 11/F., Chung Shun Knitting Centre,

TAIKOO PLACE, ISLAND EAST, 1 - 3 Wing Yip Street,

QUARRY BAY, HONG KONG

Solution Joanna.kwan@erm.com

E-mail

Godfrey.Chan@alsenviro.com

Telephone : +852 2271 3000 Telephone : +852 2610 1044

Project : WATER QUALITY MONITORING PROGRAMME Quote number : --- Date received : 28-JUL-2009

DEEP WATER BAY AND PO TOI

Order number : ---- Date of issue : 30-JUL-2009

C-O-C number : --- No. of samples - Received : 30

+852 2610 2021

Site : --- - Analysed : 30

Report Comments

E-mail

Facsimile

This report for ALS Technichem (HK) Pty Ltd work order reference HK0915196 supersedes any previous reports with this reference. The completion date of analysis is 28-JUL-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0915196 : Sample(s) were received in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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of Hong Kong, Chapter 553, Section 6.

Signatory Position Authorised results for:-

Client

: 4 of 4

: ERM HONG KONG

Work Order HK0915196



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report								
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)				
EA/ED: Physical and	d Aggregate Properties (QC	Lot: 1052849)										
HK0915196-001	2009/07/27/1531/S1/B/E/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	4	4	0.0				
HK0915196-011	2009/07/27/1522/S2/M/E/ REPL.2	EA025: Suspended Solids (SS)		1	mg/L	4	4	0.0				
EA/ED: Physical and	d Aggregate Properties (QC	Lot: 1052850)										
HK0915196-021	2009/07/27/1549/B1/T/E/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	9	9	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	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)			
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit		
EA/ED: Physical and Aggregate Properties	s (QCLot: 1052849)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	89.0		85	115				
EA/ED: Physical and Aggregate Properties	s (QCLot: 1052850)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	110		85	115				

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

ALS Laboratory Group



ANALYTICAL CHEMISTRY & TESTING SERVICES

CERTIFICATE OF ANALYSIS

· ERM HONG KONG Client

: MS JOANNA KWAN

: 21/F, LINCOLN HOUSE, 979 KING'S ROAD,

TAIKOO PLACE, ISLAND EAST,

QUARRY BAY, HONG KONG

Joanna.kwan@erm.com E-mail

+852 2271 3000 Telephone Facsimile +852 2723 5660

Project : WATER QUALITY MONITORING PROGRAMME

DEEP WATER BAY AND PO TOI

Order number

Contact

Address

C-O-C number Site

Laboratory

Address

E-mail

Telephone

Quote number

: ALS Technichem HK Pty Ltd

: Chan Kwok Fai, Godfrey Contact

: 11/F., Chung Shun Knitting Centre,

1 - 3 Wing Yip Street,

Kwai Chung, N.T., Hong Kong : Godfrey.Chan@alsenviro.com

· +852 2610 1044

Facsimile +852 2610 2021

Date received

Page

Work Order

: 28-JUL-2009

HK0915194

: 1 of 4

Date of issue No. of samples : 30-JUL-2009

Received Analysed 30 30

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0915194 supersedes any previous reports with this reference. The completion date of analysis is 28-JUL-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0915194:

Sample(s) were received in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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Signatory

Position

Authorised results for:-

Fung Lim Chee, Richard

General Manager

Inorganics

Client : ERM HONG KONG

Work Order HK0915194



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report									
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)					
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1052847)											
HK0915194-001	2009/07/27/0903/S1/B/F/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	8	7	0.0					
HK0915194-011	2009/07/27/0857/S2/M/F/ REPL.2	EA025: Suspended Solids (SS)		1	mg/L	5	6	0.0					
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1052848)											
HK0915194-021	2009/07/27/0918/B1/T/F/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	22	23	7.2					

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	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)			
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit		
EA/ED: Physical and Aggregate Properti	es (QCLot: 1052847)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	91.0		85	115				
EA/ED: Physical and Aggregate Properti	es (QCLot: 1052848)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	108		85	115				

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

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : ERM HONG KONG Laboratory : ALS Technichem HK Pty Ltd Page : 1 of 4

Contact : MS JOANNA KWAN Contact : Chan Kwok Fai, Godfrev Work Order : LIMO

Contact : MS JOANNA KWAN Contact : Chan Kwok Fai, Godfrey Work Order : HK0915276

Address : 21/F, LINCOLN HOUSE, 979 KING'S ROAD, Address : 11/F., Chung Shun Knitting Centre,

TAIKOO PLACE, ISLAND EAST, 1 - 3 Wing Yip Street,

QUARRY BAY, HONG KONG Kwai Chung, N.T., Hong Kong

 E-mail
 : Joanna.kwan@erm.com
 E-mail
 : Godfrey.Chan@alsenviro.com

 Telephone
 : +852 2271 3000
 Telephone
 : +852 2610 1044

Telephone : +852 2271 3000 Telephone : +852 2610 1044

Facsimile : +852 2723 5660 Facsimile : +852 2610 2021

Project: WATER QUALITY MONITORING PROGRAMME Quote number: ---- Date received: 29-JUL-2009

DEEP WATER BAY AND PO TOI

Order number : ---- Date of issue : 01-AUG-2009

C-O-C number : --- No. of samples - Received : 30

Site : ---- - Analysed : 30

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0915276 supersedes any previous reports with this reference. The completion date of analysis is 30-JUL-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0915276: Sample(s) were received in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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Signatory Position Authorised results for:-

: 4 of 4

Client : ERM HONG KONG

Work Order HK0915276



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report								
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)				
EA/ED: Physical and	d Aggregate Properties (QC	Lot: 1055449)										
HK0915276-001	2009/07/28/1657/S1/B/E/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	9	9	0.0				
HK0915276-011	2009/07/28/1651/S2/M/E/ REPL.2	EA025: Suspended Solids (SS)		1	mg/L	9	10	0.0				
EA/ED: Physical and	d Aggregate Properties (QC	Lot: 1055450)										
HK0915276-021	2009/07/28/1710/B1/T/E/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	6	6	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	Spike Red	covery (%)	Recovery	Limits (%)	RPD	s (%)		
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit		
EA/ED: Physical and Aggregate Properties	(QCLot: 1055449)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	103		85	115				
EA/ED: Physical and Aggregate Properties	(QCLot: 1055450)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	89.5		85	115				

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

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : ERM HONG KONG Laboratory : ALS Technichem HK Pty Ltd Page : 1 of 4

Contact : MS JOANNA KWAN Contact : Chan Kwok Fai, Godfrey Work Order : LIKO

Contact : MS JOANNA KWAN Contact : Chan Kwok Fai, Godfrey Work Order : HK0915275

Address : 21/F, LINCOLN HOUSE, 979 KING`S ROAD, Address : 11/F., Chung Shun Knitting Centre,

TAIKOO PLACE, ISLAND EAST, 1 - 3 Wing Yip Street,

QUARRY BAY, HONG KONG

Solution Joanna.kwan@erm.com

E-mail

Kwai Chung, N.T., Hong Kong

Godfrey.Chan@alsenviro.com

 E-mail
 : Joanna.kwan@erm.com
 E-mail
 : Godfrey.Chan@alsen

 Telephone
 : +852 2271 3000
 Telephone
 : +852 2610 1044

Facsimile : +852 2723 5660 Facsimile : +852 2610 2021

Project: WATER QUALITY MONITORING PROGRAMME Quote number: ---- Date received: 29-JUL-2009

DEEP WATER BAY AND PO TOI

Order number : ---- Date of issue : 01-AUG-2009

C-O-C number : ---- No. of samples - Received : 30

Site : --- - Analysed : 30

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0915275 supersedes any previous reports with this reference. The completion date of analysis is 30-JUL-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0915275: Sample(s) were received in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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Signatory Position Authorised results for:-

: 4 of 4

Client : ERM HONG KONG

Work Order HK0915275



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report								
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)				
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1055447)										
HK0915275-001	2009/07/28/1110/S1/B/F/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	3	4	0.0				
HK0915275-011	2009/07/28/1103/S2/M/F/ REPL.2	EA025: Suspended Solids (SS)		1	mg/L	4	4	0.0				
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1055448)										
HK0915275-021	2009/07/28/1124/B1/T/F/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	10	10	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	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)			
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit		
EA/ED: Physical and Aggregate Propertie	s (QCLot: 1055447)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	91.0		85	115				
EA/ED: Physical and Aggregate Propertie	s (QCLot: 1055448)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	99.5		85	115				

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

ALS Laboratory Group

30

ANALYTICAL CHEMISTRY & TESTING SERVICES

CERTIFICATE OF ANALYSIS

· ERM HONG KONG : ALS Technichem HK Pty Ltd Client Laboratory : MS JOANNA KWAN : Chan Kwok Fai, Godfrey Contact Contact

HK0915323 : 21/F, LINCOLN HOUSE, 979 KING'S ROAD, Address : 11/F., Chung Shun Knitting Centre,

1 - 3 Wing Yip Street, TAIKOO PLACE, ISLAND EAST,

QUARRY BAY, HONG KONG Kwai Chung, N.T., Hong Kong : Godfrey.Chan@alsenviro.com Joanna.kwan@erm.com E-mail

+852 2271 3000 · +852 2610 1044 Telephone Telephone Facsimile +852 2723 5660 Facsimile +852 2610 2021

Project : WATER QUALITY MONITORING PROGRAMME Quote number : 30-JUL-2009 Date received

DEEP WATER BAY AND PO TOI

Date of issue : 03-AUG-2009 Order number

C-O-C number No. of samples Received

30 Analysed Site

Report Comments

Address

E-mail

This report for ALS Technichem (HK) Pty Ltd work order reference HK0915323 supersedes any previous reports with this reference. The completion date of analysis is 31-JUL-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Sample(s) were received in a chilled condition. Specific comments for Work Order HK0915323:

Water sample(s) analysed and reported on an as received basis.

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Position Authorised results for:-Signatory

Page

Work Order

: 1 of 4

Client : ERM HONG KONG

Work Order HK0915323



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report								
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)				
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1055454)										
HK0915323-001	2009/07/29/1751/S1/B/E/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	7	6	0.0				
HK0915323-011	2009/07/29/1745/S2/M/E/ REPL.2	EA025: Suspended Solids (SS)		1	mg/L	6	6	0.0				
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1055455)										
HK0915323-021	2009/07/29/1807/B1/T/E/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	7	7	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	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)		
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit	
EA/ED: Physical and Aggregate Propertie	es (QCLot: 1055454)											
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	96.0		85	115			
EA/ED: Physical and Aggregate Propertie	es (QCLot: 1055455)											
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	102		85	115			

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

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : ERM HONG KONG

: MS JOANNA KWAN

: 21/F, LINCOLN HOUSE, 979 KING`S ROAD,

TAIKOO PLACE, ISLAND EAST,

QUARRY BAY, HONG KONG

E-mail : Joanna.kwan@erm.com

Telephone : +852 2271 3000 Facsimile : +852 2723 5660

Project : WATER QUALITY

: WATER QUALITY MONITORING PROGRAMME
DEEP WATER BAY AND PO TOI

DELI WA

Order number : ----

Contact

Address

C-O-C number : ----

tory : ALS Technichem HK Pty Ltd

Contact : Chan Kwok Fai, Godfrey

11/F., Chung Shun Knitting Centre,

1 - 3 Wing Yip Street,

Kwai Chung, N.T., Hong Kong
: Godfrey.Chan@alsenviro.com

Telephone : +852 2610 1044

Facsimile : +852 2610 2021

Quote number : ---

Laboratory

Address

E-mail

Date received : 30-JUL-2009

Date of issue : 03-AUG-2009

Page

Work Order

No. of samples - Received :

: 1 of 4

HK0915322

Analysed : 30

30

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0915322 supersedes any previous reports with this reference. The completion date of analysis is 31-JUL-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0915322:

Sample(s) were received in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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Signatory Position Authorised results for:-

: 4 of 4

Client : ERM HONG KONG

Work Order HK0915322



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report								
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)				
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1055452)										
HK0915322-001	2009/07/29/1132/S1/B/F/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	8	8	0.0				
HK0915322-011	2009/07/29/1127/S2/M/F/ REPL.2	EA025: Suspended Solids (SS)		1	mg/L	5	6	0.0				
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1055453)										
HK0915322-021	2009/07/29/1146/B1/T/F/ REPL.1	EA025: Suspended Solids (SS)		1	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	Spike Red	overy (%)	Recovery	Limits (%)	RPDs	s (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit	
EA/ED: Physical and Aggregate Properties (QC	Lot: 1055452)											
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	93.5		85	115			
EA/ED: Physical and Aggregate Properties (QC	Lot: 1055453)											
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	106		85	115			

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

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

· ERM HONG KONG Client Laboratory : MS JOANNA KWAN Contact

: 21/F, LINCOLN HOUSE, 979 KING'S ROAD,

TAIKOO PLACE, ISLAND EAST,

QUARRY BAY, HONG KONG

Joanna.kwan@erm.com E-mail

+852 2271 3000 Telephone Facsimile +852 2723 5660

Project : WATER QUALITY MONITORING PROGRAMME

DEEP WATER BAY AND PO TOI

Order number

Address

C-O-C number

Site

: ALS Technichem HK Pty Ltd

: Chan Kwok Fai, Godfrey Contact

: 11/F., Chung Shun Knitting Centre,

1 - 3 Wing Yip Street,

Kwai Chung, N.T., Hong Kong : Godfrey.Chan@alsenviro.com

· +852 2610 1044

Telephone Facsimile +852 2610 2021

Quote number

Address

E-mail

: 31-JUL-2009 Date received

Page

Work Order

Date of issue : 04-AUG-2009

30 No. of samples Received

: 1 of 4

HK0915443

30 Analysed

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0915443 supersedes any previous reports with this reference. The completion date of analysis is 04-AUG-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0915443:

Sample(s) were received in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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Signatory

Position

Authorised results for:-

Fung Lim Chee, Richard

General Manager

Inorganics

Client : ERM HONG KONG

Work Order HK0915443



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report								
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)				
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1057437)										
HK0915443-001	2009/07/30/1452/S1/B/F/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	9	10	0.0				
HK0915443-011	2009/07/30/1445/S2/M/F/ REPL.2	EA025: Suspended Solids (SS)		1	mg/L	5	4	0.0				
EA/ED: Physical and	Aggregate Properties (QC	Lot: 1057438)										
HK0915443-021	2009/07/30/1506/B1/T/F/ REPL.1	EA025: Suspended Solids (SS)		1	mg/L	5	4	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	Spike Red	covery (%)	Recovery	Limits (%)	RPD	s (%)		
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit		
EA/ED: Physical and Aggregate Properties	s (QCLot: 1057437)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	89.0		85	115				
EA/ED: Physical and Aggregate Properties	s (QCLot: 1057438)												
EA025: Suspended Solids (SS)		2	mg/L	<2	20 mg/L	96.0		85	115				

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