



### CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000486
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 16-NOV-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006237			No. of samples received	: 2
Site	: S1-2			No. of samples analysed	: 2

#### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000486

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 09:00. Sample(s), in vibrocores, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories

Fung Lim Chee, Richard  
Leung Sai Ho, Ivan

Position

General Manager  
Supervisor

Authorised results for

Inorganics  
Microbiology



**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

Compound	CAS Number	LOR	Unit	S1-2	S1-2
				0-0.9M	0.9-1.9M
Client sampling date / time				[14-NOV-2009]	[14-NOV-2009]
				HK1000486-001	HK1000486-002
<b>EA/ED: Physical and Aggregate Properties</b>					
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	51.0	43.3
<b>ED/EK: Inorganic Nonmetallic Parameters</b>					
EK067A: Total Phosphorus as P	---	20	mg/kg	626	315
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	48	<10
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	<1
<b>EM: Microbiological Testing</b>					
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3	<3



### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215681)</b>								
HK1000483-002	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	29.1	28.5	2.0
HK1000489-002	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	41.9	41.9	0.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>								
HK1000485-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10	0.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224086)</b>								
HK1000485-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	179	207	14.7

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	88.0	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221503)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224086)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	775 mg/kg	97.2	---	85	115	---	---

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

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

# ALS Technichem (HK) Pty Ltd

## ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



### CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000474
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 24-NOV-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006237			No. of samples received	: 1
Site	: S1-3			No. of samples analysed	: 1

#### 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: HK1000474

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 18:15. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
Fung Lim Chee, Richard	General Manager	Inorganics
Leung Sai Ho, Ivan	Supervisor	Microbiology

ALS Laboratory Group  
Trading Name: ALS Technichem (HK) Pty Ltd  
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

A Campbell Brothers Limited Company



**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

S1-3  
GRAB

[24-NOV-2009]

HK1000474-001

Client sampling date / time

Compound	CAS Number	LOR	Unit	
<b>EA/ED: Physical and Aggregate Properties</b>				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	53.8
<b>ED/EK: Inorganic Nonmetallic Parameters</b>				
EK067A: Total Phosphorus as P	---	20	mg/kg	635
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	312
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1
<b>EM: Microbiological Testing</b>				
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3



**Laboratory Duplicate (DUP) Report**

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>								
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>								
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559	496	11.9
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224738)</b>								
HK1001124-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	622	538	14.4

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224738)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	775 mg/kg	97.2	---	85	115	---	---

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

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

# ALS Technichem (HK) Pty Ltd

**ALS Laboratory Group**  
ANALYTICAL CHEMISTRY & TESTING SERVICES



## CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000472
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044	Date Samples Received	: 02-DEC-2009
Facsimile	: ----	Facsimile	: +852 2610 2021	Issue Date	: 23-JAN-2010
Project	: LG29024	Quote number	: HK/1797/2009**	No. of samples received	: 1
Order number	: CV/2009/13			No. of samples analysed	: 1
C-O-C number	: H006237				
Site	: D1-2				

### 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: **HK1000472**

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 18:15. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
Fung Lim Chee, Richard	General Manager	Inorganics
Leung Sai Ho, Ivan	Supervisor	Microbiology

**ALS Laboratory Group**  
Trading Name: **ALS Technichem (HK) Pty Ltd**  
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

D1-2  
GRAB

Client sampling date / time

[02-DEC-2009]

Compound	CAS Number	LOR	Unit	HK1000472-001
<b>EA/ED: Physical and Aggregate Properties</b>				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3
<b>ED/EK: Inorganic Nonmetallic Parameters</b>				
EK067A: Total Phosphorus as P	---	20	mg/kg	541
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	538
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1
<b>EM: Microbiological Testing</b>				
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3





### Laboratory Duplicate (DUP) Report

Matrix: SOIL					Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>									
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9	
HK1000472-001	D1-2 GRAB	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>									
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559	496	11.9	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>									
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8	

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

Matrix: SOIL											
Method Blank (MB) Report					Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---

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

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

# ALS Technichem (HK) Pty Ltd

## ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



### CERTIFICATE OF ANALYSIS

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Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000471
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Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 02-DEC-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006237			No. of samples received	: 1
Site	: D1-3			No. of samples analysed	: 1

#### 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: HK1000471

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.



Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 18:15. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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 Leung Sai Ho, Ivan	Supervisor	Microbiology

#### ALS Laboratory Group

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Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

D1-3  
GRAB

Client sampling date / time

[02-DEC-2009]

Compound	CAS Number	LOR	Unit	HK1000471-001
<b>EA/ED: Physical and Aggregate Properties</b>				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	62.4
<b>ED/EK: Inorganic Nonmetallic Parameters</b>				
EK067A: Total Phosphorus as P	---	20	mg/kg	676
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	614
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1
<b>EM: Microbiological Testing</b>				
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3



### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>								
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>								
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559	496	11.9
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>								
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---

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

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

# ALS Technichem (HK) Pty Ltd

## ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



### CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000470
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 02-DEC-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006237			No. of samples received	: 1
Site	: D6-1			No. of samples analysed	: 1

#### 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: HK1000470

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 18:15. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories

Fung Lim Chee, Richard  
Leung Sai Ho, Ivan

Position

General Manager  
Supervisor

Authorised results for

Inorganics  
Microbiology

#### ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd

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Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

A Campbell Brothers Limited Company



**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

D6-1  
GRAB

Client sampling date / time

[02-DEC-2009]

Compound	CAS Number	LOR	Unit	HK1000470-001
<b>EA/ED: Physical and Aggregate Properties</b>				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	58.4
<b>ED/EK: Inorganic Nonmetallic Parameters</b>				
EK067A: Total Phosphorus as P	---	20	mg/kg	522
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	190
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1
<b>EM: Microbiological Testing</b>				
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3



### Laboratory Duplicate (DUP) Report

Matrix: SOIL					Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>									
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9	
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>									
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559	496	11.9	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>									
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8	

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

Matrix: SOIL											
Method Blank (MB) Report					Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---

### 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	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000485
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044	Date Samples Received	: 28-DEC-2009
Facsimile	: ---	Facsimile	: +852 2610 2021	Issue Date	: 23-JAN-2010
Project	: LG29024	Quote number	: HK/1797/2009**	No. of samples received	: 2
Order number	: CV/2009/13			No. of samples analysed	: 2
C-O-C number	: H006237				
Site	: D6-2				

#### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 21-JAN-2010  
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: HK1000485

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 18:30. Sample(s), in vibrocores, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
Fung Lim Chee, Richard	General Manager	Inorganics
Leung Sai Ho, Ivan	Supervisor	Microbiology





**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

Compound	CAS Number	LOR	Unit	D6-2	D6-2
				0-0.9M	0.9-1.9M
				[28-DEC-2009]	[28-DEC-2009]
				HK1000485-001	HK1000485-002
<b>EA/ED: Physical and Aggregate Properties</b>					
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	29.6	29.7
<b>ED/EK: Inorganic Nonmetallic Parameters</b>					
EK067A: Total Phosphorus as P	---	20	mg/kg	179	191
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1	<1
<b>EM: Microbiological Testing</b>					
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3	<3



### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215681)</b>								
HK1000483-002	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	29.1	28.5	2.0
HK1000489-002	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	41.9	41.9	0.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>								
HK1000485-001	D6-2 0-0.9M	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10	0.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>								
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224738)</b>								
HK1001124-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	622	538	14.4

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	88.0	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221503)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224738)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	775 mg/kg	97.2	---	85	115	---	---

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

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

# ALS Technichem (HK) Pty Ltd

## ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



### CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000482
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 28-DEC-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006237			No. of samples received	: 2
Site	: D7-2			No. of samples analysed	: 2

#### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000482

**Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.**

**Sample(s) were received in an ambient condition.**

**Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.**

**Sample(s) were arrived in the laboratory at 18:30. Sample(s), in vibrocores, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.**

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<i>Signatories</i>	<i>Position</i>	<i>Authorised results for</i>
Fung Lim Chee, Richard	General Manager	Inorganics
Leung Sai Ho, Ivan	Supervisor	Microbiology

#### ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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### Analytical Results

Sub-Matrix: SEDIMENT

Client sample ID

Compound	CAS Number	LOR	Unit	Client sample ID	Client sample ID
				D7-2 0-0.9M	D7-2 0.9-1.9M
Client sampling date / time				[28-DEC-2009]	[28-DEC-2009]
				HK1000482-001	HK1000482-002
<b>EA/ED: Physical and Aggregate Properties</b>					
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	29.6	32.6
<b>ED/EK: Inorganic Nonmetallic Parameters</b>					
EK067A: Total Phosphorus as P	----	20	mg/kg	200	126
EK082: Acid Volatile Sulphides (as S)	----	10	mg/kg	<10	<10
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	<1
<b>EM: Microbiological Testing</b>					
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3	<3



### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>								
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>								
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559	496	11.9
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>								
HK1000482-001	D7-2 0-0.9M	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---

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

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

# ALS Technichem (HK) Pty Ltd

## ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



### CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000483
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 28-DEC-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006237			No. of samples received	: 2
Site	: D7-3			No. of samples analysed	: 2

#### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000483

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

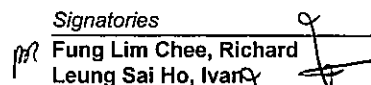

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 18:30. Sample(s), in vibrocores, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
 Fung Lim Chee, Richard	General Manager	Inorganics
 Leung Sai Ho, Ivan	Supervisor	Microbiology

#### ALS Laboratory Group

Trading Name: **ALS Technichem (HK) Pty Ltd**  
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

D7-3  
0-0.9M

D7-3  
0.9-1.9M

Client sampling date / time

[28-DEC-2009]

[28-DEC-2009]

Compound	CAS Number	LOR	Unit	HK1000483-001	HK1000483-002
<b>EA/ED: Physical and Aggregate Properties</b>					
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	31.0	29.1
<b>ED/EK: Inorganic Nonmetallic Parameters</b>					
EK067A: Total Phosphorus as P	---	20	mg/kg	303	317
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1	<1
<b>EM: Microbiological Testing</b>					
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3	<3



### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>								
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215681)</b>								
HK1000483-002	D7-3 0.9-1.9M	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	29.1	28.5	2.0
HK1000489-002	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	41.9	41.9	0.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>								
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559	496	11.9
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>								
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221503)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---

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

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



# ALS Technichem (HK) Pty Ltd

## ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



### CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000465
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 24-NOV-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006238			No. of samples received	: 1
Site	: S5-1			No. of samples analysed	: 1

#### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000465

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

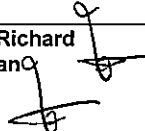

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 18:15. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
 Fung Lim Chee, Richard	General Manager	Inorganics
 Leung Sai Ho, Ivan	Supervisor	Microbiology

#### ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd  
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

S5-1

GRAB

[24-NOV-2009]

Client sampling date / time

HK1000465-001

Compound	CAS Number	LOR	Unit	Result
<b>EA/ED: Physical and Aggregate Properties</b>				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	62.8
<b>ED/EK: Inorganic Nonmetallic Parameters</b>				
EK067A: Total Phosphorus as P	---	20	mg/kg	541
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	641
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1
<b>EM: Microbiological Testing</b>				
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3



### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>								
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>								
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559	496	11.9
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>								
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---

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

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

# ALS Technichem (HK) Pty Ltd

**ALS Laboratory Group**  
ANALYTICAL CHEMISTRY & TESTING SERVICES



## CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000481
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 20-NOV-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006238			No. of samples received	: 2
Site	: S5-2			No. of samples analysed	: 2

### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000481

**Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.**

**Sample(s) were received in an ambient condition.**

**Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.**

**Sample(s) were arrived in the laboratory at 17:30. Sample(s), in vibrocores, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.**

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#### Signatories

*pn* Fung Lim Chee, Richard  
Leung Sai Ho, Ivan

#### Position

General Manager  
Supervisor

#### Authorised results for

Inorganics  
Microbiology

**ALS Laboratory Group**  
Trading Name: **ALS Technichem (HK) Pty Ltd**  
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

S5-2  
0-0.9M

S5-2  
0.9-1.9M

Client sampling date / time

[20-NOV-2009]

[20-NOV-2009]

Compound	CAS Number	LOR	Unit	HK1000481-001	HK1000481-002
<b>EA/ED: Physical and Aggregate Properties</b>					
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	31.6	38.2
<b>ED/EK: Inorganic Nonmetallic Parameters</b>					
EK067A: Total Phosphorus as P	---	20	mg/kg	789	177
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	<1
<b>EM: Microbiological Testing</b>					
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3	<3



### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>								
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>								
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559	496	11.9
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>								
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8

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

Matrix: SOIL				Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---

### 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	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000464
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 24-NOV-2009
Order number	: CV/2009/13			Issue Date	: 21-JAN-2010
C-O-C number	: H006238			No. of samples received	: 1
Site	: S5-4			No. of samples analysed	: 1

#### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 21-JAN-2010  
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: HK1000464

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 18:15. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
Fung Lim Chee, Richard	General Manager	Inorganics
Leung Sai Ho, Ivan	Supervisor	Microbiology

#### ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd  
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Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

S5-4  
 GRAB  
 [24-NOV-2009]  
 HK1000464-001

Client sampling date / time

Compound	CAS Number	LOR	Unit	
<b>EA/ED: Physical and Aggregate Properties</b>				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.8
<b>ED/EK: Inorganic Nonmetallic Parameters</b>				
EK067A: Total Phosphorus as P	---	20	mg/kg	1080
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1
<b>EM: Microbiological Testing</b>				
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3





**Laboratory Duplicate (DUP) Report**

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>								
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>								
HK1000464-001	S5-4 GRAB	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559	496	11.9
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224738)</b>								
HK1001124-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	622	538	14.4

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224738)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	775 mg/kg	97.2	---	85	115	---	---

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

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

# ALS Technichem (HK) Pty Ltd

**ALS Laboratory Group**  
ANALYTICAL CHEMISTRY & TESTING SERVICES



## CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000469
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 31-DEC-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006238			No. of samples received	: 1
Site	: D25-3			No. of samples analysed	: 1

### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000469

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 16:00. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 17/01/2010.

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Signatories

Fung Lim Chee, Richard  
Leung Sai Ho, Ivan

Position

General Manager  
Supervisor

Authorised results for

Inorganics  
Microbiology

**ALS Laboratory Group**

Trading Name: **ALS Technichem (HK) Pty Ltd**

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

D25-3  
GRAB

Client sampling date / time

[31-DEC-2009]

Compound	CAS Number	LOR	Unit	HK1000469-001
<b>EA/ED: Physical and Aggregate Properties</b>				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	53.5
<b>ED/EK: Inorganic Nonmetallic Parameters</b>				
EK067A: Total Phosphorus as P	---	20	mg/kg	243
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	66
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1
<b>EM: Microbiological Testing</b>				
EM102: <i>Escherichia coli</i>	---	3	MPN/g	9.2



### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>								
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>								
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559	496	11.9
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>								
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---

### 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	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 2
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1003158
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WAN CHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong	Amendment	: 1
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com	Date Samples Received	: 31-DEC-2009
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044	Issue Date	: 10-MAY-2010
Facsimile	: ---	Facsimile	: +852 2610 2021	No. of samples received	: 1
Project	: LG29024	Quote number	: HK/1797/2009**	No. of samples analysed	: 1
Order number	: CV/2009/13				
C-O-C number	: H006238				
Site	: D25-3				

### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 11-FEB-2010

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: **HK1003158**

**Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.**

**Sample(s) were received in an ambient condition.**

**Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.**

**Sample(s) were arrived in the laboratory at 16:00. Sample(s), in plastic bag, were received in an ambient condition. Testing period : 11/02/2010 (17:00) - 14/02/2010.**

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*Signatories*

**Leung Sai Ho, Ivan**

*Position*

**Supervisor**

*Authorised results for*

**Microbiology**

**ALS Laboratory Group**

Trading Name: **ALS Technichem (HK) Pty Ltd**

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Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

				Client sample ID				
				D25-3				
				Client sampling date / time	[31-DEC-2009]			
Compound	CAS Number	LOR	Unit	HK1003158-001				
<b>EM: Microbiological Testing</b>								
EM102: <i>Escherichia coli</i>	----	3	MPN/g	<3				

# ALS Technichem (HK) Pty Ltd

**ALS Laboratory Group**  
ANALYTICAL CHEMISTRY & TESTING SERVICES



## CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000467
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044	Date Samples Received	: 03-DEC-2009
Facsimile	: ----	Facsimile	: +852 2610 2021	Issue Date	: 23-JAN-2010
Project	: LG29024	Quote number	: HK/1797/2009**	No. of samples received	: 1
Order number	: CV/2009/13			No. of samples analysed	: 1
C-O-C number	: H006238				
Site	: D25-4				

### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000467

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

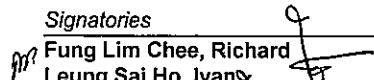
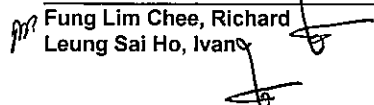
Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 18:15. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
 Fung Lim Chee, Richard	General Manager	Inorganics
 Leung Sai Ho, Ivany	Supervisor	Microbiology

**ALS Laboratory Group**  
Trading Name: **ALS Technichem (HK) Pty Ltd**  
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Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

D25-4

GRAB

Client sampling date / time

[03-DEC-2009]

Compound	CAS Number	LOR	Unit	HK1000467-001
<b>EA/ED: Physical and Aggregate Properties</b>				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.8
<b>ED/EK: Inorganic Nonmetallic Parameters</b>				
EK067A: Total Phosphorus as P	---	20	mg/kg	500
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	600
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1
<b>EM: Microbiological Testing</b>				
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3





### Laboratory Duplicate (DUP) Report

Matrix: SOIL					Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>									
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9	
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>									
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559	496	11.9	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>									
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8	

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

Matrix: SOIL											
Method Blank (MB) Report					Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---

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

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

# ALS Technichem (HK) Pty Ltd

## ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



### CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000478
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 30-DEC-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006238			No. of samples received	: 2
Site	: D26-1			No. of samples analysed	: 2

#### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000478

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

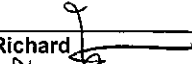

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 16:50. Sample(s), in vibrocores, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
 Fung Lim Chee, Richard	General Manager	Inorganics
 Leung Sai Ho, Ivan	Supervisor	Microbiology

#### ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

A Campbell Brothers Limited Company



**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

D26-1  
0-0.9M

D26-1  
0.9-1.9M

Client sampling date / time

[30-DEC-2009]

[30-DEC-2009]

Compound	CAS Number	LOR	Unit	HK1000478-001	HK1000478-002
<b>EA/ED: Physical and Aggregate Properties</b>					
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	35.6	41.9
<b>ED/EK: Inorganic Nonmetallic Parameters</b>					
EK067A: Total Phosphorus as P	---	20	mg/kg	936	1090
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	<1
<b>EM: Microbiological Testing</b>					
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3	<3



### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>								
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	54.5	55.0	0.9
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	61.3	60.7	1.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>								
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	----	10	mg/kg	559	496	11.9
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>								
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	----	20	mg/kg	200	227	12.8

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	----	1	mg/kg	<1	5 mg/kg	94.3	----	85	115	----	----
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	----	----	----	----	----	----	----
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	----	20	mg/kg	<20	695 mg/kg	85.6	----	85	115	----	----

### 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	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000466
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 03-DEC-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006238			No. of samples received	: 1
Site	: D26-2			No. of samples analysed	: 1

#### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000466

**Project Name:** Kwai Tsing Container Basin - Marine Ground Investigation.

**Sample(s)** were received in an ambient condition.

**Sediment sample(s)** analysed on an as received basis. Result(s) reported on a dry weight basis.

**Sample(s)** were arrived in the laboratory at 18:15. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
pp Fung Lim Chee, Richard Leung Sai Ho, Ivan	General Manager Supervisor	Inorganics Microbiology



### Analytical Results

Sub-Matrix: SEDIMENT

Client sample ID

D26-2  
GRAB

Client sampling date / time

[03-DEC-2009]

Compound	CAS Number	LOR	Unit	HK1000466-001
<b>EA/ED: Physical and Aggregate Properties</b>				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	53.4
<b>ED/EK: Inorganic Nonmetallic Parameters</b>				
EK067A: Total Phosphorus as P	---	20	mg/kg	472
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	437
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1
<b>EM: Microbiological Testing</b>				
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3



### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>								
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	54.5	55.0	0.9
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	61.3	60.7	1.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>								
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	----	10	mg/kg	559	496	11.9
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>								
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	----	20	mg/kg	200	227	12.8

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	----	1	mg/kg	<1	5 mg/kg	94.3	----	85	115	----	----
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	----	----	----	----	----	----	----
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	----	20	mg/kg	<20	695 mg/kg	85.6	----	85	115	----	----

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

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

# ALS Technichem (HK) Pty Ltd

**ALS Laboratory Group**  
ANALYTICAL CHEMISTRY & TESTING SERVICES



## CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000463
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 03-DEC-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006238			No. of samples received	: 1
Site	: D39-1			No. of samples analysed	: 1

### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000463

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

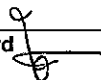
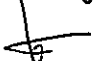
Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 18:15. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
 Fung Lim Chee, Richard	General Manager	Inorganics
 Leung Sai Ho, Ivano	Supervisor	Microbiology

**ALS Laboratory Group**  
Trading Name: **ALS Technichem (HK) Pty Ltd**  
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

D39-1  
GRAB

Client sampling date / time

[03-DEC-2009]

Compound	CAS Number	LOR	Unit	HK1000463-001
<b>EA/ED: Physical and Aggregate Properties</b>				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	59.0
<b>ED/EK: Inorganic Nonmetallic Parameters</b>				
EK067A: Total Phosphorus as P	---	20	mg/kg	510
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	675
EK085S: Sulphide as S <sub>2</sub> -	18496-25-8	1	mg/kg	<1
<b>EM: Microbiological Testing</b>				
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3



### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>								
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>								
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559	496	11.9
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>								
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---

### 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	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000461
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044	Date Samples Received	: 03-DEC-2009
Facsimile	: ----	Facsimile	: +852 2610 2021	Issue Date	: 23-JAN-2010
Project	: LG29024	Quote number	: HK/1797/2009**	No. of samples received	: 1
Order number	: CV/2009/13			No. of samples analysed	: 1
C-O-C number	: H006238				
Site	: D39-2				

#### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000461

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

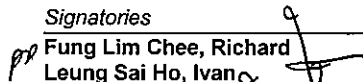

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 18:15. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
 Fung Lim Chee, Richard	General Manager	Inorganics
 Leung Sai Ho, Ivan	Supervisor	Microbiology



**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

**D39-2  
GRAB**

Client sampling date / time

[03-DEC-2009]

Compound	CAS Number	LOR	Unit	HK1000461-001
<b>EA/ED: Physical and Aggregate Properties</b>				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5
<b>ED/EK: Inorganic Nonmetallic Parameters</b>				
EK067A: Total Phosphorus as P	---	20	mg/kg	516
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	378
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1
<b>EM: Microbiological Testing</b>				
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3



**Laboratory Duplicate (DUP) Report**

Matrix: SOIL					Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>									
HK1000461-001	D39-2 GRAB	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9	
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>									
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	559	496	11.9	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>									
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8	

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

Matrix: SOIL					Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)		
						LCS	DCS	Low	High	Value	Control Limit	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>												
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>												
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>												
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---	

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

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

# ALS Technichem (HK) Pty Ltd

**ALS Laboratory Group**  
ANALYTICAL CHEMISTRY & TESTING SERVICES



## CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000457
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044	Date Samples Received	: 14-DEC-2009
Facsimile	: ----	Facsimile	: +852 2610 2021	Issue Date	: 23-JAN-2010
Project	: LG29024	Quote number	: HK/1797/2009**	No. of samples received	: 1
Order number	: CV/2009/13			No. of samples analysed	: 1
C-O-C number	: H006238				
Site	: D45-1				

### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000457

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

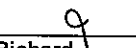

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 17:15. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
 Fung Lim Chee, Richard	General Manager	Inorganics
 Leung Sai Ho, Ivan	Supervisor	Microbiology

**ALS Laboratory Group**  
Trading Name: **ALS Technichem (HK) Pty Ltd**  
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

A Campbell Brothers Limited Company



**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

D45-1  
GRAB

Client sampling date / time

[14-DEC-2009]

Compound	CAS Number	LOR	Unit	HK1000457-001
<b>EA/ED: Physical and Aggregate Properties</b>				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	58.0
<b>ED/EK: Inorganic Nonmetallic Parameters</b>				
EK067A: Total Phosphorus as P	---	20	mg/kg	826
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	196
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1
<b>EM: Microbiological Testing</b>				
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3



**Laboratory Duplicate (DUP) Report**

Matrix: SOIL					Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>									
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9	
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	61.3	60.7	1.0	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1216545)</b>									
HK0927374-012	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	5	mg/kg	8	7	0.0	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>									
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8	

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

Matrix: SOIL					Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)		
						LCS	DCS	Low	High	Value	Control Limit	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1216545)</b>												
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.6	---	85	115	---	---	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>												
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>												
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---	

**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	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000475
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 14-DEC-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006239			No. of samples received	: 1
Site	: D45-2			No. of samples analysed	: 1

#### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000475

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 17:15. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories

Fung Lim Chee, Richard  
Leung Sai Ho, Ivan

Position

General Manager  
Supervisor

Authorised results for

Inorganics  
Microbiology

ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

D45-2  
GRAB

Client sampling date / time

[14-DEC-2009]

Compound	CAS Number	LOR	Unit	HK1000475-001
<b>EA/ED: Physical and Aggregate Properties</b>				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	58.1
<b>ED/EK: Inorganic Nonmetallic Parameters</b>				
EK067A: Total Phosphorus as P	---	20	mg/kg	721
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	791
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1
<b>EM: Microbiological Testing</b>				
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3



**Laboratory Duplicate (DUP) Report**

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215680)</b>								
HK1000461-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	54.5	55.0	0.9
HK1000472-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	61.3	60.7	1.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>								
HK1000464-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	----	10	mg/kg	559	496	11.9
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>								
HK1000482-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	200	227	12.8

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1217625)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	94.3	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221502)</b>											
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224085)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	85.6	---	85	115	---	---

**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	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: <b>HK1000863</b>
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044	Date Samples Received	: 09-JAN-2010
Facsimile	: ----	Facsimile	: +852 2610 2021	Issue Date	: 26-JAN-2010
Project	: LG29024	Quote number	: HK/1797/2009**	No. of samples received	: 1
Order number	: CV/2009/13			No. of samples analysed	: 1
C-O-C number	: H012200				
Site	: S23				

#### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 22-JAN-2010  
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: HK1000863

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

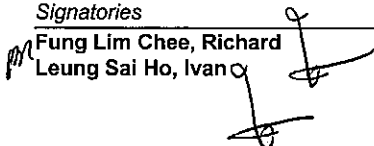
Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 15:00. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 12/01/2010 (16:00) - 19/01/2010.

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Signatories	Position	Authorised results for
 Fung Lim Chee, Richard	General Manager	Inorganics
Leung Sai Ho, Ivan	Supervisor	Microbiology

#### ALS Laboratory Group

Trading Name: **ALS Technichem (HK) Pty Ltd**  
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID: **S23**

Client sampling date / time: [09-JAN-2010]

Compound	CAS Number	LOR	Unit	HK1000863-001				
<b>EA/ED: Physical and Aggregate Properties</b>								
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	44.2				
<b>ED/EK: Inorganic Nonmetallic Parameters</b>								
EK067A: Total Phosphorus as P	---	20	mg/kg	616				
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	12				
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1				
<b>EM: Microbiological Testing</b>								
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3				



**Laboratory Duplicate (DUP) Report**

Matrix: SOIL

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Laboratory Duplicate (DUP) Report		
						Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1219923)</b>								
HK1000744-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	28.3	28.6	1.1
HK1000816-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	35.9	37.2	3.7
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>								
HK1000485-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10	0.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1227029)</b>								
HK1000188-005	Anonymous	EK067A: Total Phosphorus as P	---	10	mg/kg	373	414	10.6

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

Matrix: SOIL

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
		LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	88.0	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221503)</b>											
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1227029)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	695 mg/kg	89.0	---	85	115	---	---

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

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

# ALS Technichem (HK) Pty Ltd

**ALS Laboratory Group**  
ANALYTICAL CHEMISTRY & TESTING SERVICES



## CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1001124
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 14-JAN-2010
Order number	: CV/2009/13			Issue Date	: 28-JAN-2010
C-O-C number	: H012181			No. of samples received	: 1
Site	: S25			No. of samples analysed	: 1

### 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: HK1001124

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 15:00. Sample(s), in plastic bags, were received in an ambient condition. Testing period : 15/01/2010 (16:00) - 21/01/2010.

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*Signatories*

Fung Lim Chee, Richard

Leung Sai Ho, Ivan

*Position*

General Manager

Supervisor

*Authorised results for*

Inorganics

Microbiology

**ALS Laboratory Group**  
Trading Name: **ALS Technichem (HK) Pty Ltd**  
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID : S25

Client sampling date / time : [14-JAN-2010]

Compound	CAS Number	LOR	Unit	HK1001124-001			
<b>EA/ED: Physical and Aggregate Properties</b>							
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	48.0			
<b>ED/EK: Inorganic Nonmetallic Parameters</b>							
EK067A: Total Phosphorus as P	---	20	mg/kg	622			
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	160			
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1			
<b>EM: Microbiological Testing</b>							
EM102: <i>Escherichia coli</i>	---	3	MPN/g	3			





### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1221064)</b>								
HK1001124-001	S25	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	48.0	47.7	0.7
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224738)</b>								
HK1001124-001	S25	EK067A: Total Phosphorus as P	----	20	mg/kg	622	538	14.4
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1228584)</b>								
HK1001415-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	----	5	mg/kg	<5	<5	0.0

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221503)</b>											
EK085S: Sulphide as S <sup>2-</sup>	18496-25-8	1	mg/kg	<1	----	----	----	----	----	----	----
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224738)</b>											
EK067A: Total Phosphorus as P	----	20	mg/kg	<20	775 mg/kg	97.2	----	85	115	----	----
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1228584)</b>											
EK082: Acid Volatile Sulphides (as S)	----	1	mg/kg	<1	5 mg/kg	95.8	----	85	115	----	----

### 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	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 2
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1003157
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ---	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 14-JAN-2010
Order number	: CV/2009/13			Issue Date	: 24-FEB-2010
C-O-C number	: H012181			No. of samples received	: 1
Site	: S25			No. of samples analysed	: 1

### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 11-FEB-2010

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: **HK1003157**

**Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.**

**Sample(s) were received in an ambient condition.**

**Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.**

**Sample(s) were arrived in the laboratory at 14:00. Sample(s), in plastic bag, were received in an ambient condition. Testing period : 11/02/2010 (17:00) - 14/02/2010.**

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*Signatories*

**Leung Sai Ho, Ivan**

*Position*

**Supervisor**

*Authorised results for*

**Microbiology**

**ALS Laboratory Group**

Trading Name: **ALS Technichem (HK) Pty Ltd**

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong

Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: **SEDIMENT**

				Client sample ID				
				Client sampling date / time				
Compound	CAS Number	LOR	Unit	HK1003157-001				
<b>EM: Microbiological Testing</b>								
EM102: <i>Escherichia coli</i>	----	3	MPN/g	<3				

# ALS Technichem (HK) Pty Ltd

**ALS Laboratory Group**  
ANALYTICAL CHEMISTRY & TESTING SERVICES



## CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000536
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 07-JAN-2010
Order number	: CV/2009/13			Issue Date	: 21-JAN-2010
C-O-C number	: H012199			No. of samples received	: 2
Site	: S27			No. of samples analysed	: 2

### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 21-JAN-2010  
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: HK1000536

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

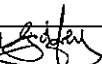

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 18:00. Sample(s), in vibrocore, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
FF Fung Lim Chee, Richard 	General Manager	Inorganics
Leung Sai Ho, Ivan 	Supervisor	Microbiology

### ALS Laboratory Group

Trading Name: **ALS Technichem (HK) Pty Ltd**  
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

A Campbell Brothers Limited Company



**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

S27  
0-0.9M

S27  
0.9-1.9M

Client sampling date / time

[07-JAN-2010]

[07-JAN-2010]

Compound	CAS Number	LOR	Unit	HK1000536-001	HK1000536-002
<b>EA/ED: Physical and Aggregate Properties</b>					
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	46.8	40.9
<b>ED/EK: Inorganic Nonmetallic Parameters</b>					
EK067A: Total Phosphorus as P	----	20	mg/kg	404	478
EK082: Acid Volatile Sulphides (as S)	----	10	mg/kg	<10	<10
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	<1
<b>EM: Microbiological Testing</b>					
EM102: <i>Escherichia coli</i>	----	3	MPN/g	<3	<3



**Laboratory Duplicate (DUP) Report**

Matrix: SOIL					Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1217702)</b>									
HK1000439-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	12.2	11.8	3.0	
HK1000511-002	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	40.9	41.1	0.7	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>									
HK1000485-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10	0.0	
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224738)</b>									
HK1001124-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	622	538	14.4	

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

Matrix: SOIL											
Method Blank (MB) Report					Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	88.0	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221503)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224738)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	775 mg/kg	97.2	---	85	115	---	---

**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	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000489
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 26-NOV-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006239			No. of samples received	: 2
Site	: S28			No. of samples analysed	: 2

#### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: HK1000489

**Project Name:** Kwai Tsing Container Basin - Marine Ground Investigation.



**Sample(s) were received in an ambient condition.**

**Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.**

**Sample(s) were arrived in the laboratory at 18:40. Sample(s), in vibrocores, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.**

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Signatories	Position	Authorised results for
 Fung Lim Chee, Richard	General Manager	Inorganics
 Leung Sai Ho, Ivan	Supervisor	Microbiology



**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

				S28 0-0.9M	S28 0.9-1.9M			
				[26-NOV-2009]	[26-NOV-2009]			
Compound	CAS Number	LOR	Unit	HK1000489-001	HK1000489-002			
<b>EA/ED: Physical and Aggregate Properties</b>								
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	47.4	41.9			
<b>ED/EK: Inorganic Nonmetallic Parameters</b>								
EK067A: Total Phosphorus as P	---	20	mg/kg	345	295			
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10			
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	<1			
<b>EM: Microbiological Testing</b>								
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3	<3			





### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215681)</b>								
HK1000483-002	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	29.1	28.5	2.0
HK1000489-002	S28 0.9-1.9M	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	41.9	41.9	0.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>								
HK1000485-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10	0.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224086)</b>								
HK1000485-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	179	207	14.7

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	88.0	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221503)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224086)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	775 mg/kg	97.2	---	85	115	---	---

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

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

# ALS Technichem (HK) Pty Ltd

## ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



### CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000488
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 19-NOV-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006239			No. of samples received	: 2
Site	: D355			No. of samples analysed	: 2

#### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-JAN-2010  
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: **HK1000488**

**Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.**

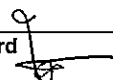
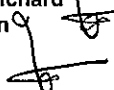
**Sample(s) were received in an ambient condition.**

**Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.**

**Sample(s) were arrived in the laboratory at 18:45. Sample(s), in vibrocores, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.**

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Signatories	Position	Authorised results for
 Fung Lim Chee, Richard	General Manager	Inorganics
 Leung Sai Ho, Ivan	Supervisor	Microbiology

#### ALS Laboratory Group

Trading Name: **ALS Technichem (HK) Pty Ltd**  
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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**Analytical Results**

Sub-Matrix: SEDIMENT

Client sample ID

Compound	CAS Number	LOR	Unit	Client sample ID	Client sample ID	[19-NOV-2009]	[19-NOV-2009]
				D355 0-0.9M	D355 0.9-1.9M		
Client sampling date / time				HK1000488-001	HK1000488-002		
<b>EA/ED: Physical and Aggregate Properties</b>							
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	48.3	37.5		
<b>ED/EK: Inorganic Nonmetallic Parameters</b>							
EK067A: Total Phosphorus as P	---	20	mg/kg	363	277		
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10		
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	<1		
<b>EM: Microbiological Testing</b>							
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3	<3		



### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215681)</b>								
HK1000483-002	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	29.1	28.5	2.0
HK1000489-002	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	41.9	41.9	0.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>								
HK1000485-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10	0.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224086)</b>								
HK1000485-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	179	207	14.7

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

Matrix: SOIL		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	88.0	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221503)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224086)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	775 mg/kg	97.2	---	85	115	---	---

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

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

# ALS Technichem (HK) Pty Ltd

**ALS Laboratory Group**  
ANALYTICAL CHEMISTRY & TESTING SERVICES



## CERTIFICATE OF ANALYSIS

Client	: LAM GEOTECHNICS LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR C M YEE	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000487
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WANCHAI, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Samuel@Lamconstruct.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2839 5633	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: LG29024	Quote number	: HK/1797/2009**	Date Samples Received	: 23-NOV-2009
Order number	: CV/2009/13			Issue Date	: 23-JAN-2010
C-O-C number	: H006239			No. of samples received	: 2
Site	: D381			No. of samples analysed	: 2

### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the 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 processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 21-JAN-2010  
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: HK1000487

Project Name: Kwai Tsing Container Basin - Marine Ground Investigation.

Sample(s) were received in an ambient condition.

Sediment sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Sample(s) were arrived in the laboratory at 18:35. Sample(s), in vibrocores, were received in an ambient condition. Testing period : 08/01/2010 (11:00) - 10/01/2010.

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Signatories	Position	Authorised results for
Fung Lim Chee, Richard	General Manager	Inorganics
Leung Sai Ho, Ivan	Supervisor	Microbiology

**ALS Laboratory Group**  
Trading Name: **ALS Technichem (HK) Pty Ltd**  
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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### Analytical Results

Sub-Matrix: SEDIMENT

Compound	CAS Number	LOR	Unit	Client sample ID	Client sample ID	Client sampling date / time	Client sampling date / time
				D381 0-0.9M	D381 0.9-1.9M	[23-NOV-2009]	[23-NOV-2009]
				HK1000487-001	HK1000487-002		
<b>EA/ED: Physical and Aggregate Properties</b>							
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	48.2	47.4		
<b>ED/EK: Inorganic Nonmetallic Parameters</b>							
EK067A: Total Phosphorus as P	---	20	mg/kg	553	410		
EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10		
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	<1		
<b>EM: Microbiological Testing</b>							
EM102: <i>Escherichia coli</i>	---	3	MPN/g	<3	<3		



### Laboratory Duplicate (DUP) Report

Matrix: SOIL				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
<b>EA/ED: Physical and Aggregate Properties (QC Lot: 1215681)</b>								
HK1000483-002	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	29.1	28.5	2.0
HK1000489-002	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	41.9	41.9	0.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>								
HK1000485-001	Anonymous	EK082: Acid Volatile Sulphides (as S)	---	10	mg/kg	<10	<10	0.0
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224086)</b>								
HK1000485-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	179	207	14.7
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224738)</b>								
HK1001124-001	Anonymous	EK067A: Total Phosphorus as P	---	20	mg/kg	622	538	14.4

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

Matrix: SOIL			Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1219505)</b>											
EK082: Acid Volatile Sulphides (as S)	---	1	mg/kg	<1	5 mg/kg	88.0	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1221503)</b>											
EK085S: Sulphide as S2-	18496-25-8	1	mg/kg	<1	---	---	---	---	---	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224086)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	775 mg/kg	97.2	---	85	115	---	---
<b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1224738)</b>											
EK067A: Total Phosphorus as P	---	20	mg/kg	<20	775 mg/kg	97.2	---	85	115	---	---

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

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