

Annex A4

Laboratory Test Results of Acid Volatile Sulphides (AVSs)



CERTIFICATE OF ANALYSIS

Client	: ERM HONG KONG	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MS MING KAM	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK0927572
Address	: 21/F, LINCOLN HOUSE, 979 KING`S ROAD, TAIKOO PLACE, ISLAND EAST, QUARRY BAY, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Ming.Kam@erm.com	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2271 3000	Telephone	: +852 2610 1044	Date Samples Received	: 22-DEC-2009
Facsimile	: +852 2723 5660	Facsimile	: +852 2610 2021	Issue Date	: 08-JAN-2010
Project	: 0101759	Quote number	: HK/1126c/2009	No. of samples received	: 3
Order number	: ----			No. of samples analysed	: 3
C-O-C number	: H008302-H008303				
Site	: SHENZHEN RIVER				

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: 29-DEC-2009

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: **HK0927572**

Sample(s) were picked up from client in Lo Wu by ALS Technichem (HK) staff in a chilled condition.

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

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Signatories

Fung Lim Chee, Richard

Position

General Manager

Authorised results for

Inorganics

ALS Laboratory Group

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

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Analytical Results

Sub-Matrix: **SEDIMENT**

				Client sample ID	SR1	SR5	SR8		
				Client sampling date / time	22-DEC-2009 13:00	22-DEC-2009 17:45	22-DEC-2009 16:45		
Compound	CAS Number	LOR	Unit		HK0927572-001	HK0927572-002	HK0927572-003		
EA/ED: Physical and Aggregate Properties									
EA055: Moisture Content (dried @ 103° C)	----	0.1	%		17.9	27.7	18.1		
ED/EK: Inorganic Nonmetallic Parameters									
EK082: Acid Volatile Sulphides (as S)	----	1	mg/kg		2	30	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 (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1207266)								
HK0926742-011	Anonymous	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	20.8	20.7	0.0
HK0927547-008	Anonymous	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	13.8	14.2	3.1
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1212699)								
HK0927346-002	Anonymous	EK082: Acid Volatile Sulphides (as S)	----	5	mg/kg	13	13	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
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 1212699)											
EK082: Acid Volatile Sulphides (as S)	----	1	mg/kg	<1	5 mg/kg	98.0	----	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.