

Appendix 9.3
Sediment Chemical Testing Laboratory Results for
VC1 and VC2



**CEDD Contract No. GE/2005/49
Chemical and Biological Testing
(Term Contract)**

Works Order No. GE/2005/49.17

**Agreement No. CE 35/2006 (CE)
Kai Tak Development Engineering Study cum Design and
Construction of Advanced Works
Outlined GI/Laboratories Testing Proposals for
Cruise Terminal and Advance Works**

**Chemical and Biological Testing of Sediment,
Ambient Water and Elutriate**

Final Chemical Testing Report


CLIENT:

Geotechnical Projects Division
Geotechnical Engineering Office
Civil Engineering and Development Department
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CERTIFIED BY:



Maureen Chia Chi Chang
PAAC

DATE:

8 June 2007



Chemical Analysis



Sediment



Laboratories

Metals

TEST REPORT

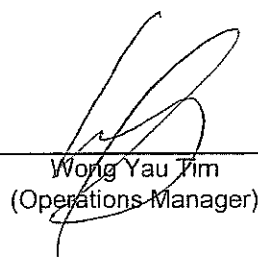
Report No. : 103245N
Project Name : Chemical and Biological Testing of Sediment (Term Contract)
 Agreement No. CE 35/2006(CE) Kai Tak Development Engineering Study cum
 Design and Construction of Advance Works Outlined GI/Laboratories Testing
 Proposals for Cruise Terminal and Advance Works
Customer : Chemical and Biological Testing of Sediment, Ambient Water and Elutriate
 Geotechnical Projects Division, Geotechnical Engineering office,
 Civil Engineering and Development Department
Address : 23/FI., 410 Kwun Tong Road, Kwun Tong, Kowloon
Lab Job No. : J546
Lab Sample No. : 19273, 19276
Sample Description : 13 samples said to be sediment
Sample Receipt Date : 30 April 2007 - 02 May 2007
Test Period : 02 May 2007 - 15 May 2007

Test Information

Code	Test Parameter	Reporting Limits	Test Procedure
		Sediment/Soil mg/kg	
Cd	Cadmium	0.20	S/M/DIG-RAR & M/ICP-MS
Cr	Chromium	8.0	S/M/DIG-RAR & M/ICP-MS
Cu	Copper	7.0	S/M/DIG-RAR & M/ICP-MS
Ni	Nickel	4.0	S/M/DIG-RAR & M/ICP-MS
Pb	Lead	8.0	S/M/DIG-RAR & M/ICP-MS
Zn	Zinc	20	S/M/DIG-RAR & M/ICP-MS
Hg	Mercury	0.05	S/M/DIG-RAR & M/ICP-MS
As	Arsenic	1.0	S/M/DIG-RAR & M/ICP-MS
Ag	Silver	0.10	S/M/DIG-RAR & M/ICP-MS

- Notes :
1. This report shall not be reproduced, except in full, without prior approval from Lam Laboratories Ltd.
 2. Results related to samples as received.
 3. Results are based on dry sample weight.
 4. < = less than
 5. N/A = Not applicable
 6. Test results satisfy all in-house QA/QC protocols as attached.
 7. Test description (for in-house methods) as follows:
 S/M/DIG-RAR: Acid digestion.
 M/ICP-MS: ICP-MS Quantification.

Authorized Signatory :



Wong Yau Tim
(Operations Manager)

Issue Date: 06 Jun. 2007

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Lab Job No. : J546
Lab Sample No. : 19273,19276

Test Result

Customer Ref. Drillhole No.	Sample				Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag
	Depth, m			Type Specimen	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	No.	From	To	Depth, m									
AW / VC1	NA	0.00	0.90	NA	<0.20	20	24	14	39	60	0.17	4.3	0.23
AW / VC1	NA	0.90	1.90	NA	<0.20	18	<7.0	15	18	48	<0.05	3.2	<0.10
AW / VC1	NA	1.90	2.90	NA	<0.20	19	<7.0	15	19	46	<0.05	4.5	<0.10
AW / VC1	NA	2.90	3.90	NA	<0.20	20	<7.0	15	40	47	<0.05	4.1	<0.10
AW / VC1	NA	3.90	4.90	NA	<0.20	14	<7.0	9.5	23	30	<0.05	4.2	<0.10
AW / VC1	NA	4.90	5.85	NA	<0.20	14	<7.0	<4.0	36	21	<0.05	3.3	<0.10
AW / VC2	NA	0.00	0.90	NA	<0.20	<8.0	14	4.8	24	30	0.14	2.8	0.15
AW / VC2	NA	0.90	1.90	NA	<0.20	20	10	15	36	54	0.20	5.1	<0.10
AW / VC2	NA	1.90	2.90	NA	<0.20	18	<7.0	14	23	47	<0.05	3.6	<0.10
AW / VC2	NA	2.90	3.90	NA	<0.20	20	<7.0	16	20	49	<0.05	3.9	<0.10
AW / VC2	NA	3.90	4.90	NA	<0.20	20	<7.0	16	20	50	<0.05	4.3	<0.10
AW / VC2	NA	4.90	5.90	NA	<0.20	18	<7.0	14	20	41	<0.05	3.8	<0.10
Ref. Sediment	NA	NA	NA	NA	<0.20	23	14	18	39	71	<0.05	5.6	0.15

----End of Report----

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Lab Job No. : J546
 Lab Sample No. : 19273,19276

Test Results**1.1 Sample Duplicate (Relative deviation)**

Customer Ref.	Sample					Batch	Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag
Drillhole No.	Depth, m			Type	Specimen	Batch	%	%	%	%	%	%	%	%	%
	No.	From	To		Depth m										
Ref. Sediment	NA	NA	NA		NA	1	*na	3.5	3.5	3.0	2.6	0.8	*na	1.9	12
Control Limits							+/- 30 % of the mean								

1.2 Method Spike (Standard Addition)

Customer Ref.	Sample					Batch	Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag
Drillhole No.	Depth, m			Type	Specimen	Batch	%	%	%	%	%	%	%	%	%
	No.	From	To		Depth m										
Ref. Sediment	NA	NA	NA		NA	1	89	77	82	78	102	86	79	89	85
Control Limits							75 - 125 %								

Note: 1. *na = Relative deviation(RD) for duplicates cannot be evaluated as the value determined is lower than reporting limits.

2. Results are based on dry sample weight

3. < = less than

Authorized Signatory :

Issue Date:

06 Jun. 2007

Wong Yau Tim
(Operations Manager)

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Lab Sample No. : 19273,19276

Test Results**1.3 Sample Reference Material (ISE 2005.4.4)**

Reference	Sample					Batch	Cd	Cr	Cu	Ni	Pb	Zn	As	Hg	Ag
	Depth, m			Type	Specimen		%	%	%	%	%	%	%	%	%
	No.	From	To		Depth m										
ISE 050404	N/A	N/A	N/A		N/A	1	106	75	85	78	100	92	84	84	94
Control Limits							75 - 125% of nominal value								

1.4 Method Blank

Reference	Sample					Batch	Cd	Cr	Cu	Ni	Pb	Zn	As	Hg	Ag
	Depth, m			Type	Specimen		mg/kg								
	No.	From	To		Depth m										
N/A	N/A	N/A	N/A		N/A	1	<0.20	<8.0	<7.0	<4.0	<8.0	<20	<0.05	<1.0	<0.10
Control Limits							Less than reporting limit								

Note: 1. Results are based on dry sample weight
 2. < = less than



PAHs

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Lab Sample No. : 19273,19276
Sample Description : 13 samples said to be sediment
Sample Receipt Date : 30 April 2007 - 02 May 2007
Test Period : 02 May 2007 - 15 May 2007

Test Information**1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs**

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/kg	
NAP	Naphthalene	55	S/O/PAH
ANY	Acenaphthylene	55	S/O/PAH
ANA	Acenaphthene	55	S/O/PAH
FLU	Fluorene	55	S/O/PAH
PHE	Phenanthrene	55	S/O/PAH
ANT	Anthracene	55	S/O/PAH
LMW PAH	Total LMW PAH	55	S/O/PAH

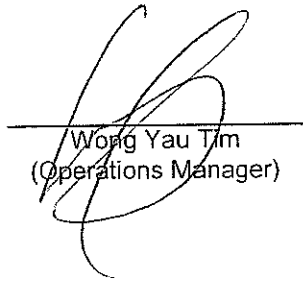
2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/kg	
CHR	Chrysene	170	S/O/PAH
BaA	Benzo(a)anthracene	170	S/O/PAH
BbF	Benzo(b)fluoranthene	170	S/O/PAH
BkF	Benzo(k)fluoranthene	170	S/O/PAH
BaP	Benzo(a)pyrene	170	S/O/PAH
DBA	Dibenz(ah)anthracene	170	S/O/PAH
FLT	Fluoranthene	170	S/O/PAH
IPY	Indeno(1,2,3-cd)pyrene	170	S/O/PAH
PYR	Pyrene	170	S/O/PAH
BPE	Benzo(ghi)perylene	170	S/O/PAH
HMW PAH	Total HMW PAH	170	S/O/PAH

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 2. Results relate to samples as received.
 3. Results are based on dry sample weight.
 4. < = less than
 5. N/A = Not applicable
 6. Test results satisfy all in-house QA/QC protocols as attached.
 7. Test description (for in-house methods only) as follows:
S/O/PAH: Ultra-Sonic extraction and GC-MS Quantification.
 8. Total LMW PAH equals to the sum of NAP, ANY, ANA, FLU, PHE, ANT.
 9. Total HMW PAH equals to the sum of CHR, BaA, BbF, BkF, BaP, DBA, FLT, IPY, PYR, BPE.

Authorized Signatory :

Issue Date: 06 Jun. 2007


 Wong Yau Tim
 (Operations Manager)

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 Civil Engineering and Development Department
Lab Job No. : J546
Lab Sample No. : 19273,19276

Test Results**1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs**

Customer Ref.	Sample					NAP ug/kg	ANY ug/kg	ANA ug/kg	FLU ug/kg	PHE ug/kg	ANT ug/kg	LMW PAH ug/kg
Drillhole No.	Depth, m			Type	Specimen Depth m							
	No.	From	To									
AW / VC1	NA	0.00	0.90		NA	<55	<55	<55	<55	<55	<55	<55
AW / VC1	NA	0.90	1.90		NA	<55	<55	<55	<55	<55	<55	<55
AW / VC1	NA	1.90	2.90		NA	<55	<55	<55	<55	<55	<55	<55
AW / VC1	NA	2.90	3.90		NA	<55	<55	<55	<55	<55	<55	<55
AW / VC1	NA	3.90	4.90		NA	<55	<55	<55	<55	<55	<55	<55
AW / VC1	NA	4.90	5.85		NA	<55	<55	<55	<55	<55	<55	<55
AW / VC2	NA	0.00	0.90		NA	<55	<55	<55	<55	<55	<55	<55
AW / VC2	NA	0.90	1.90		NA	<55	<55	<55	<55	<55	<55	<55
AW / VC2	NA	1.90	2.90		NA	<55	<55	<55	<55	<55	<55	<55
AW / VC2	NA	2.90	3.90		NA	<55	<55	<55	<55	<55	<55	<55
AW / VC2	NA	3.90	4.90		NA	<55	<55	<55	<55	<55	<55	<55
AW / VC2	NA	4.90	5.90		NA	<55	<55	<55	<55	<55	<55	<55
R. Sediment	NA	NA	NA		NA	<55	<55	<55	<55	<55	<55	<55

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Test Results**2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs**

Customer Ref.	Sample				CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE	HMW PAH
Drillhole No.	Depth, m			Type	Specimen	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
	No.	From	To		Depth m										
AW / VC1	NA	0.00	0.90		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
AW / VC1	NA	0.90	1.90		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
AW / VC1	NA	1.90	2.90		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
AW / VC1	NA	2.90	3.90		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
AW / VC1	NA	3.90	4.90		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
AW / VC1	NA	4.90	5.85		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
AW / VC2	NA	0.00	0.90		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
AW / VC2	NA	0.90	1.90		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
AW / VC2	NA	1.90	2.90		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
AW / VC2	NA	2.90	3.90		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
AW / VC2	NA	3.90	4.90		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
AW / VC2	NA	4.90	5.90		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
R. Sediment	NA	NA	NA		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170

-----End of Report-----

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Lab Job No. : J546
Lab Sample No. : 19273,19276

Test Results**1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs****1.1 Sample Duplicate**

Customer Ref.	Sample					Batch	NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	Depth, m			Type	Specimen		%	%	%	%	%	%
	No.	From	To		Depth m							
R. Sediment	NA	NA	NA		NA	1	na*	na*	na*	na*	na*	na*
Control Limits							+/- 30 % of the mean					

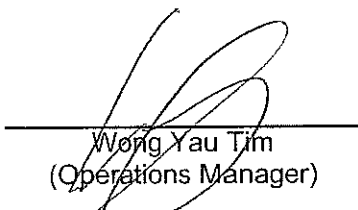
1.2 Sample Spike (Spike Level = 5 ug)

Customer Ref.	Sample					Batch	NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	Depth, m			Type	Specimen		%	%	%	%	%	%
	No.	From	To		Depth m							
R. Sediment	N/A	NA	NA		N/A	1	104	107	90	90	105	87
Control Limits							70 - 130 %					

Notes :

1. na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

Authorized Signatory :


 Wong Yau Tim
 (Operations Manager)

Issue Date: : 06 Jun. 2007

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Lab Sample No. : 19273,19276

Test Results**2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs****2.1 Sample Duplicate**

Customer Ref.	Sample					Batch	CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%	%
	No.	From	To													
R. Sediment	NA	NA	NA		NA	1	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*
Control Limits							+/- 30 % of the mean									

2.2 Sample Spike (Spike Level = 5 ug)

Customer Ref.	Sample					Batch	CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%	%
	No.	From	To													
R. Sediment	N/A	NA	NA		N/A	1	80	108	93	81	93	81	81	93	104	81
Control Limits							70 - 130 %									

Notes :

1. na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

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Test Results**1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs****1.3 QC Sample (SETOC 2002.4.4)**

Customer Ref.	Sample					Batch	NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	Depth, m			Type	Specimen		%	%	%	%	%	%
	No.	From	To		Depth m							
SETOC 2002.4.4	N/A	N/A	N/A		N/A	1	108	91	84	109	104	109
Control Limits							70 - 130 % of nominal value					

1.4 Method Blank

Customer Ref.	Sample					Batch	NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	Depth, m			Type	Specimen		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
	No.	From	To		Depth m							
N/A	N/A	N/A	N/A		N/A	1	<55	<55	<55	<55	<55	<55
Control Limits							Less than reporting limit					

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Lab Sample No. : 19273,19276

Test Results**2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs****2.3 QC Sample (SETOC 2002.4.4)**

Customer Ref.	Sample					Batch	CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	Depth, m			Type	Specimen		%	%	%	%	%	%	%	%	%	%
	No.	From	To		Depth m											
SETOC 2002.4.4	N/A	N/A	N/A		N/A	1	86	109	101	90	90	118	103	82	107	90
Control Limits							70 - 130% of nominal value									

2.4 Method Blank

Customer Ref.	Sample					Batch	CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	Depth, m			Type	Specimen		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
	No.	From	To		Depth m											
N/A	N/A	N/A	N/A		N/A	1	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
Control Limits							Less than reporting limit									



PCBs

TEST REPORT

Report No. : 103242N
Project Name : Chemical and Biological Testing of Sediment (Term Contract)
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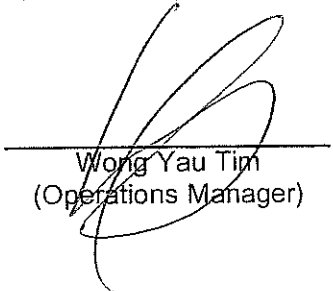
Test Information

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/kg	
8	2,4' dichlorobiphenyl	3.0	S/O/PCB
18	2,2',5 trichlorobiphenyl	3.0	S/O/PCB
28	2,4,4' trichlorobiphenyl	3.0	S/O/PCB
44	2,2',3,5' tetrachlorobiphenyl	3.0	S/O/PCB
52	2,2',5,5' tetrachlorobiphenyl	3.0	S/O/PCB
66	2,3',4,4' tetrachlorobiphenyl	3.0	S/O/PCB
77	3,3',4,4' tetrachlorobiphenyl	3.0	S/O/PCB
101	2,2',4,5,5' pentachlorobiphenyl	3.0	S/O/PCB
105	2,3,3',4,4' pentachlorobiphenyl	3.0	S/O/PCB
118	2,3',4,4',5 pentachlorobiphenyl	3.0	S/O/PCB
126	3,3',4,4',5 pentachlorobiphenyl	3.0	S/O/PCB
128	2,2',3,3',4,4' hexachlorobiphenyl	3.0	S/O/PCB
138	2,2',3,4,4',5' hexachlorobiphenyl	3.0	S/O/PCB
153	2,2',4,4',5,5' hexachlorobiphenyl	3.0	S/O/PCB
169	3,3',4,4',5,5' hexachlorobiphenyl	3.0	S/O/PCB
170	2,2',3,3',4,4',5 heptachlorobiphenyl	3.0	S/O/PCB
180	2,2',3,4,4',5,5' heptachlorobiphenyl	3.0	S/O/PCB
187	2,2',3,4',5,5',6 heptachlorobiphenyl	3.0	S/O/PCB
Total PCB	Total PCB	3.0	S/O/PCB

- Notes :
1. This report shall not be reproduced, except in full, without prior approval from Lam Laboratories Ltd.
 2. Results relate to samples as received.
 3. Results are based on dry sample weight.
 4. < = less than
 5. N/A = Not applicable
 6. Test results satisfy all in-house QA/QC protocols as attached.
 7. Test description (for in-house methods only) as follows:
S/O/PCB: Ultra-Sonic extraction and GC-MS Quantification.
 8. Total PCB equals to the sum of individual reported PCBs.

Authorized Signatory :

Issue Date: 06 Jun. 2007


 Wong Yau Tim
 (Operations Manager)

TEST REPORT

Report No. : 103242N
Project Name : Chemical and Biological Testing of Sediment (Term Contract)
 Agreement No. CE 35/2006(CE) Kai Tak Development Engineering Study cum
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 Proposals for Cruise Terminal and Advance Works
 Chemical and Biological Testing of Sediment, Ambient Water and Elutriate
Customer : Geotechnical Projects Division, Geotechnical Engineering office,
 Civil Engineering and Development Department

Lab Job No. : J546
Lab Sample No. : 19273,19276

Test Results

Customer Ref.	Sample					8	18	28	44	52	66	77	101	105
Drillhole No.	Depth, m			Type	Specimen	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
	No.	From	To		Depth m									
AW / VC1	NA	0.00	0.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC1	NA	0.90	1.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC1	NA	1.90	2.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC1	NA	2.90	3.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC1	NA	3.90	4.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC1	NA	4.90	5.85		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC2	NA	0.00	0.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC2	NA	0.90	1.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC2	NA	1.90	2.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC2	NA	2.90	3.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC2	NA	3.90	4.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC2	NA	4.90	5.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
R. Sediment	NA	NA	NA		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

TEST REPORT

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 Proposals for Cruise Terminal and Advance Works
 Chemical and Biological Testing of Sediment, Ambient Water and Elutriate
Customer : Geotechnical Projects Division, Geotechnical Engineering office,
 Civil Engineering and Development Department
Lab Job No. : J546
Lab Sample No. : 19273,19276

Test Results

Customer Ref.	Sample					118	126	128	138	153	169	170	180	187	Total PCB
Drillhole No.	Depth, m			Type	Specimen	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
	No.	From	To		Depth m										
AW / VC1	NA	0.00	0.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC1	NA	0.90	1.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC1	NA	1.90	2.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC1	NA	2.90	3.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC1	NA	3.90	4.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC1	NA	4.90	5.85		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC2	NA	0.00	0.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC2	NA	0.90	1.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC2	NA	1.90	2.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC2	NA	2.90	3.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC2	NA	3.90	4.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AW / VC2	NA	4.90	5.90		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
R. Sediment	NA	NA	NA		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

-----End of Report-----

QUALITY CONTROL REPORT

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Customer : Geotechnical Projects Division, Geotechnical Engineering office,
 Civil Engineering and Development Department

Lab Job No. : J546
Lab Sample No. : 19273,19276

Test Results**1.1 Sample Duplicate**

Customer Ref.	Sample					Batch	8	18	28	44	52	66	77	101	105
Drillhole No.	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To												
R. Sediment	NA	NA	NA		NA	1	na*	na*	na*	na*	na*	na*	na*	na*	na*
Control Limit							+/- 30% of the mean								


1.2 Sample Spike (Spike Level = 1 ug)

Customer Ref.	Sample					Batch	8	18	28	44	52	66	77	101	105
Drillhole No.	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To												
R. Sediment	NA	NA	NA		NA	1	102	107	101	100	102	107	105	109	116
Control Limit							70-130 %								

Notes :

1. na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

Authorized Signatory :


 Wong Yau Tim
 (Operations Manager)

Issue Date: : 06 Jun. 2007

QUALITY CONTROL REPORT

Report No. : 103242N
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 Civil Engineering and Development Department

Lab Job No. : J546
Lab Sample No. : 19273,19276

Test Results**1.3 Sample Duplicate**

Customer Ref.	Sample					Batch	118	126	128	138	153	169	170	180	187
Drillhole No.	Depth, m			Type	Specimen	Batch	%	%	%	%	%	%	%	%	%
	No.	From	To		Depth m										
R. Sediment	NA	NA	NA		NA	1	na*	na*	na*	na*	na*	na*	na*	na*	na*
Control Limit							+/- 30% of the mean								

1.4 Sample Spike (Spike Level = 1 ug)

Customer Ref.	Sample					Batch	118	126	128	138	153	169	170	180	187
Drillhole No.	Depth, m			Type	Specimen	Batch	%	%	%	%	%	%	%	%	%
	No.	From	To		Depth m										
R. Sediment	NA	NA	NA		NA	1	112	104	110	113	105	98	100	117	105
Control Limit							70-130 %								

Notes :

- na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

QUALITY CONTROL REPORT

Report No. : 103242N
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Customer : Geotechnical Projects Division, Geotechnical Engineering office,
 Civil Engineering and Development Department

Lab Job No. : J546
Lab Sample No. : 19273,19276

Test Results**2.1 QC Sample (SETOC 2002.3.3)**

Customer Ref.	Batch	28	52	101	105	118	128	138	153	180
Drillhole No.		%	%	%	%	%	%	%	%	%
SETOC 2002.3.3	1	106	80	83	92	82	100	103	84	90
Control Limit		70 - 130% of nominal value								

2.2 Method Blank

Customer Ref.	Sample					Batch	8	18	28	44	52	66	77	101	105
	Depth, m			Type	Specimen		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
	No.	From	To		Depth m										
N/A	N/A	N/A	N/A		N/A	1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Control Limit							less than reporting limit								

Customer Ref.	Sample					Batch	118	126	128	138	153	169	170	180	187
	Depth, m			Type	Specimen		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
	No.	From	To		Depth m										
N/A	N/A	N/A	N/A		N/A	1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Control Limit							less than reporting limit								



Laboratories

TBT

TEST REPORT

Report No. : 103244N
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Proposals for Cruise Terminal and Advance Works
Chemical and Biological Testing of Sediment, Ambient Water and Elutriate
Customer : Geotechnical Projects Division, Geotechnical Engineering office,
Civil Engineering and Development Department
Address : 23/FI., 410 Kwun Tong Road, Kwun Tong, Kowloon

Lab Job No. : J546
Lab Sample No. : 19273,19276
Sample Description : 13 samples said to be sediment
Sample Receipt Date : 30 April 2007 - 02 May 2007
Test Period : 02 May 2007 - 15 May 2007

Test Information

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
TBT	Tri-Butyl Tin	0.015	W/O/TBT

- Notes :
1. This report shall not be reproduced, except in full, without prior approval from Lam Laboratories Ltd.
 2. < = less than
 3. N/A = Not applicable
 4. Test results satisfy all in-house QA/QC protocols as attached.
 5. Test description (for in-house methods) as follows:
W/O/TBT: Solvent extraction and GC-MS Quantification.

Authorized Signatory :



Wong Yau Tim
(Operations Manager)

Issue Date: 06 Jun. 2007

TEST REPORT

Report No. : 103244N
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Customer : Geotechnical Projects Division, Geotechnical Engineering office,
 Civil Engineering and Development Department

Lab Job No. : J546
Lab Sample No. : 19273,19276

Test Results

Customer Ref.	Sample					TBT
Drillhole No.	Depth, m			Type	Specimen Depth m	ug TBT / L
	No.	From	To			
AW / VC1	NA	0.00	0.90		NA	<0.015
AW / VC1	NA	0.90	1.90		NA	<0.015
AW / VC1	NA	1.90	2.90		NA	<0.015
AW / VC1	NA	2.90	3.90		NA	<0.015
AW / VC1	NA	3.90	4.90		NA	<0.015
AW / VC1	NA	4.90	5.85		NA	<0.015
AW / VC2	NA	0.00	0.90		NA	<0.015
AW / VC2	NA	0.90	1.90		NA	<0.015
AW / VC2	NA	1.90	2.90		NA	<0.015
AW / VC2	NA	2.90	3.90		NA	<0.015
AW / VC2	NA	3.90	4.90		NA	<0.015
AW / VC2	NA	4.90	5.90		NA	<0.015
R. Sediment	NA	NA	NA		NA	<0.015

-----End of report-----

QUALITY CONTROL REPORT

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 Civil Engineering and Development Department

Lab Job No. : J546
Lab Sample No. : 19273,19276

Test Results**1.1 Sample Duplicate (Relative deviation)**

Customer Ref.	Sample					Batch	TBT
Drillhole No.	Depth, m			Type	Specimen		%
	No.	From	To		Depth m		
19282/1	N/A	N/A	N/A		N/A	1	na*
Control Limit							+/- 30% of the mean

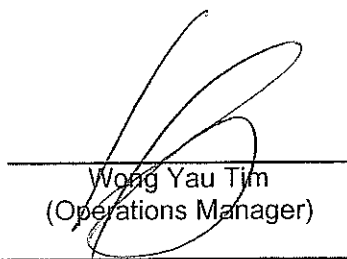
1.2 Sample Spike (Spike Level = 50 ng)

Customer Ref.	Sample					Batch	TBT
Drillhole No.	Depth, m			Type	Specimen		%
	No.	From	To		Depth m		
19282/1	N/A	N/A	N/A		N/A	1	92
Control Limit							70-130 %

Notes :

1. na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

Authorized Signatory :


 Wong Yau Tim
 (Operations Manager)

Issue Date:

06 Jun. 2007

QUALITY CONTROL REPORT

Report No. : 103244N
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 Civil Engineering and Development Department

Lab Job No. : J546
Lab Sample No. : 19273,19276

Test Results**1.3 QC Sample (Spike level = 50 ng)**

Customer Ref.	Sample					Batch	TBT
Drillhole No.	Depth, m			Type	Specimen		%
	No.	From	To		Depth m		
MB Spike	N/A	N/A	N/A		N/A	1	98
Control Limit							70 - 130 %

1.4 Method Blank

Customer Ref.	Sample					Batch	TBT
Drillhole No.	Depth, m			Type	Specimen		ug TBT / L
	No.	From	To		Depth m		
N/A	N/A	N/A	N/A		N/A	1	<0.015
Control Limit							Less than reporting limit