

Installation of Submarine Gas Pipelines  
and Associated Facilities from  
To Kwa Wan to North Point for Former Kai Tak Airport Development  
Consultancy Services for Feasibility Study and Detailed Design  
Environmental Impact Assessment Report



**Appendix B6**  
**Laboratory Test Report on Elutriate Tests**



**Marine Water / Elutriate**



**Metals**



REPORT OF ANALYSIS

<b>Client</b> :	LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG	<b>Job No.</b> :	LAMLO1/080714
<b>Attention</b> :	MAUREEN CHANG	<b>Quote No.</b> :	QT-00441
<b>Project Name</b> :		<b>Order No.</b> :	
<b>Your Client Services Manager</b> :	Brian Woodward	<b>Date Sampled</b> :	
		<b>Date Received</b> :	14-JUL-2008
		<b>Sampled By</b> :	CLIENT
		<b>Phone</b> :	(02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/02736	VC-37	MARINE WATER JOB J656
NQ08/02737	VC37 <i>0.0-0.9m</i>	ELUTRIATE (0.0-0.9) + MARINE WATER JOB J656
NQ08/02738	VC37 <i>0.9-1.9m</i>	ELUTRIATE (1.0-1.9) + MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/02736 VC-37	NQ08/02737 VC37	NQ08/02738 VC37	Method
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	2	<2	2.8	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	1.9	<1	NT2_47
Copper	ug/L	1.0	1.6	1.5	2.1	NT2_47
Lead	ug/L	1.0	1.3	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.4	1.6	2.3	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	17	<4	<4	NT2_47

Anna Zheng, Analyst  
Inorganics - NSW  
Accreditation No. 198

23-JUL-2008

## REPORT OF ANALYSIS

Page: 2 of 3

Report No. RN689625

<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG <b>Attention</b> : MAUREEN CHANG <b>Project Name</b> : <b>Your Client Services Manager</b> : Brian Woodward	<b>Job No.</b> : LAML01/080714 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 14-JUL-2008 <b>Sampled By</b> : CLIENT <b>Phone</b> : (02) 94490151
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Lab Reg No.	Sample Ref	Sample Description
NQ08/02739	VC37 <i>1.9 - 2.9 m</i>	ELUTRIATE ( <del>2.0-2.8</del> ) + MARINE WATER JOB J656 <i>lp</i>

Lab Reg No.	Units	LOR	Method
NQ08/02739			
Sample Reference		VC37	
<b>Trace Elements</b>			
Arsenic	ug/L	2.0	<2
Cadmium	ug/L	0.2	<0.2
Chromium	ug/L	1.0	<1
Copper	ug/L	1.0	2
Lead	ug/L	1.0	<1
Mercury	ug/L	0.1	<0.1
Nickel	ug/L	1.0	3
Silver	ug/L	1.0	<1
Zinc	ug/L	4.0	<4



Anna Zheng, Analyst  
 Inorganics - NSW  
 Accreditation No. 198

23-JUL-2008



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## REPORT OF ANALYSIS

Page: 3 of 3  
Report No. RN689625

This Report supersedes reports: *RN689583*



**Australian Government**  
**National Measurement Institute**

**QUALITY ASSURANCE REPORT**

**Client:** LAM LABORATORIES

**NMI QA Report No:** LAML01/080714

**Sample Matrix:** Water

Analyte	Method	LOR	Blank	Duplicates			Recoveries	
				Sample	Duplicate	RPD	LCS	Matrix Spike
		ug/L	ug/L	ug/L	ug/L	%	%	%
<b>Inorganics Section</b>				NQ08/02739				NQ08/02739
Arsenic	NT2.47/2.51	2	<2	<2	<2	ND	93	95
Cadmium	NT2.47	0.2	<0.2	<0.2	<0.2	ND	100	88
Chromium	NT2.47	1	<1	<1	<1	ND	99	103
Copper	NT2.47	1	<1	2.0	1.9	5	110	90
Lead	NT2.47	1	<1	<1	<1	ND	98	96
Mercury	NT2.47/2.44	0.1	<0.1	<0.1	<0.1	ND	100	91
Nickel	NT2.47	1	<1	3	3	0	95	86
Silver	NT2.47	1	<1	<1	<1	ND	104	86
Zinc	NT2.47	4	<4	<4	<4	ND	110	83

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**Legend:**

Acceptable recovery is 75-120%.

Acceptable RPDs on duplicates is 44% at concentrations >5 times LOR. Greater RPD may be expected at <5 times LOR.

LOR = Limit Of Reporting

ND = Not Determined

RPD = Relative Percent Difference

NA = Not Applicable

LCS = Laboratory Control Sample.

#: Spike level is less than 50% of the sample's concentration, hence the recovery data is not reliable.

**Comments:**

Results greater than ten times LOR have been rounded to two significant figures.

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**Signed:**

**Dr Michael Wu**  
 Inorganics Manager, NMI-Pymble  
 23/07/2008

**Date:**



REPORT OF ANALYSIS

Page: 1 of 5  
Report No. RN691261

<b>Client</b> :	LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG	<b>Job No.</b> :	LAML01/080718/1
<b>Attention</b> :	MAUREEN CHANG	<b>Quote No.</b> :	QT-00441
<b>Project Name</b> :		<b>Order No.</b> :	
<b>Your Client Services Manager</b> :	Brian Woodward	<b>Date Sampled</b> :	
		<b>Date Received</b> :	18-JUL-2008
		<b>Sampled By</b> :	CLIENT
		<b>Phone</b> :	(02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03032	VC37 2.9-5.9	ELUTRIATE + MARINE WATER JOB J656 (3.0-4.0)
NQ08/03033	VC37 5.9-8.9	ELUTRIATE + MARINE WATER JOB J656 (6.0-7.0)
NQ08/03034	VC21 0.9-1.9	ELUTRIATE + MARINE WATER JOB J656 (1.0-2.0)

Lab Reg No.	Units	LOR	NQ08/03032 VC37	NQ08/03033 VC37	NQ08/03034 VC21	Method
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	<2	20	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	0.4	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.4	1.4	1.2	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47

Anna Zheng, Analyst  
Inorganics - NSW  
Accreditation No. 198

1-AUG-2008

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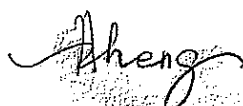
## REPORT OF ANALYSIS

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Report No. RN691261

<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG <b>Attention</b> : MAUREEN CHANG <b>Project Name</b> : <b>Your Client Services Manager</b> : Brian Woodward	<b>Job No.</b> : LAML01/080718/1 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 18-JUL-2008 <b>Sampled By</b> : CLIENT  <b>Phone</b> : (02) 94490151
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03035	VC21 2.9-5.9m	ELUTRIATE + MARINE WATER JOB J656 (2.0-4.0)
NQ08/03036	VC35 0.0-0.9m	ELUTRIATE + MARINE WATER JOB J656 (0.0-1.0)
NQ08/03037	VC35 1.9-2.9m	ELUTRIATE + MARINE WATER JOB J656 (2.0-2.8)

Lab Reg No.			NQ08/03035	NQ08/03036	NQ08/03037	
Sample Reference	Units	LOR	VC21	VC35	VC35	Method
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	4.4	<2	<2	NT247_251
Cadmium	ug/L	0.2	0.2	0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	2.5	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	3.3	2.2	NT2_47
Silver	ug/L	1.0	2	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	5.7	<4	NT2_47



Anna Zheng, Analyst  
 Inorganics - NSW  
 Accreditation No. 198

1-AUG-2008

## REPORT OF ANALYSIS

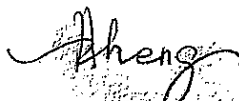
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Report No. RN691261

<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG <b>Attention</b> : MAUREEN CHANG <b>Project Name</b> : <b>Your Client Services Manager</b> : Brian Woodward	<b>Job No.</b> : LAML01/080718/1 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 18-JUL-2008 <b>Sampled By</b> : CLIENT <b>Phone</b> : (02) 94490151
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03038	VC35 2.9 - 5.9m	ELUTRIATE + MARINE WATER JOB J656 (3.0-4.0)
NQ08/03039	VC35 5.9 - 8.9m	ELUTRIATE + MARINE WATER JOB J656 (6.0-7.0)
NQ08/03040	VC21 1.9 - 2.9m	ELUTRIATE + MARINE WATER JOB J656 (0.0-1.0) <span style="float: right;">yb</span>

Lab Reg No.			NQ08/03038	NQ08/03039	NQ08/03040	
Sample Reference	Units	LOR	VC35	VC35	VC21	Method
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	4.5	<2	8.5	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.1	1	2.6	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	4.2	NT2_47



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1-AUG-2008

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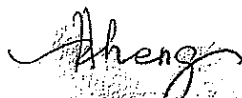
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Report No. RN691261

<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG <b>Attention</b> : MAUREEN CHANG <b>Project Name</b> : <b>Your Client Services Manager</b> : Brian Woodward	<b>Job No.</b> : LAML01/080718/1 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 18-JUL-2008 <b>Sampled By</b> : CLIENT <b>Phone</b> : (02) 94490151
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03041	VC21 <i>1.9 - 2.9m</i>	ELUTRIATE + MARINE WATER JOB J656 (2.0-2.9)
NQ08/03042	VC33 <i>0.9 - 1.9m</i>	ELUTRIATE + MARINE WATER JOB J656 (1.0-2.0)
NQ08/03043	VC35 <i>0.9 - 1.9m</i>	ELUTRIATE + MARINE WATER JOB J656 (1.0-2.0)

Lab Reg No.			NQ08/03041	NQ08/03042	NQ08/03043	
Sample Reference	Units	LOR	VC21	VC33	VC35	Method
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	19	<2	<2	NT247_251
Cadmium	ug/L	0.2	0.5	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.4	<1	2	NT2_47
Silver	ug/L	1.0	<1	<1	2.6	NT2_47
Zinc	ug/L	4.0	9.3	24	5.9	NT2_47



Anna Zheng, Analyst  
 Inorganics - NSW  
 Accreditation No. 198

1-AUG-2008



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**National Measurement Institute**

## REPORT OF ANALYSIS

Page: 5 of 5  
Report No. RN691261

This Report supersedes reports: *RN691258*



**Australian Government**  
**National Measurement Institute**

**QUALITY ASSURANCE REPORT**

**Client:** LAM LABORATORIES

**NMI QA Report No:** LAML01/080718/1

**Sample Matrix:** Water

Analyte	Method	LOR	Blank	Duplicates			Recoveries	
				Sample	Duplicate	RPD	LCS	Matrix Spike
		ug/L	ug/L	ug/L	ug/L	%	%	%
<b>Inorganics Section</b>				<b>NQ08/03043</b>			<b>NQ08/03043</b>	
Arsenic	NT2.47/2.51	2	<2	<2	<2	ND	93	86
Cadmium	NT2.47	0.2	<0.2	<0.2	<0.2	ND	110	90
Chromium	NT2.47	1	<1	<1	<1	ND	110	91
Copper	NT2.47	1	<1	<1	<1	ND	105	93
Lead	NT2.47	1	<1	<1	<1	ND	100	87
Mercury	NT2.47/2.44	0.1	<0.1	<0.1	<0.1	ND	101	87
Nickel	NT2.47	1	<1	2	1.9	5	100	91
Silver	NT2.47	1	<1	2.6	2.6	0	104	87
Zinc	NT2.47	4	<4	6.4	5.3	19	115	95

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**Legend:**

Acceptable recovery is 75-120%.

Acceptable RPDs on duplicates is 44% at concentrations >5 times LOR. Greater RPD may be expected at <5 times LOR.

LOR = Limit Of Reporting

ND = Not Determined

RPD = Relative Percent Difference

NA = Not Applicable

LCS = Laboratory Control Sample.

#: Spike level is less than 50% of the sample's concentration, hence the recovery data is not reliable.

**Comments:**

Results greater than ten times LOR have been rounded to two significant figures.

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**Signed:**

Dr Michael Wu  
 Inorganics Manager, NMI-Pymble  
 1/08/2008

**Date:**



REPORT OF ANALYSIS

Page: 1 of 14  
Report No. RN692159

<b>Client</b> :	LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG	<b>Job No.</b> :	LAML01/080724
<b>Attention</b> :	MAUREEN CHANG	<b>Quote No.</b> :	QT-00441
<b>Project Name</b> :		<b>Order No.</b> :	
<b>Your Client Services Manager</b> :	Brian Woodward	<b>Date Sampled</b> :	
		<b>Date Received</b> :	24-JUL-2008
		<b>Sampled By</b> :	CLIENT
		<b>Phone</b> :	(02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03162	VC-23 0.0 - 0.9m	ELUTRIATE (0.2-0.9) + MARINE WATER JOB J656
NQ08/03163	VC-23 0.9 - 1.9m	ELUTRIATE (1.0-1.9) + MARINE WATER JOB J656
NQ08/03164	VC-23 1.9 - 2.9m	ELUTRIATE (2.0-2.8) + MARINE WATER JOB J656

Lab Reg No.	Sample Reference	Units	LOR	NQ08/03162	NQ08/03163	NQ08/03164	Method
				VC-23	VC-23	VC-23	
<b>Trace Elements</b>							
Arsenic	ug/L	2.0	3.2	3.6	<2	NT247_251	
Cadmium	ug/L	0.2	0.2	<0.2	0.22	NT2_47	
Chromium	ug/L	1.0	<1	<1	<1	NT2_47	
Copper	ug/L	1.0	1.6	<1	<1	NT2_47	
Lead	ug/L	1.0	<1	<1	<1	NT2_47	
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244	
Nickel	ug/L	1.0	3.2	<1	1.3	NT2_47	
Silver	ug/L	1.0	<1	<1	<1	NT2_47	
Zinc	ug/L	4.0	<4	<4	<4	NT2_47	

Anna Zheng, Analyst  
Inorganics - NSW  
Accreditation No. 198

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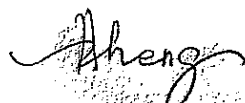
## REPORT OF ANALYSIS

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Report No. RN692159

<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG <b>Attention</b> : MAUREEN CHANG <b>Project Name</b> : <b>Your Client Services Manager</b> : Brian Woodward	<b>Job No.</b> : LAML01/080724 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 24-JUL-2008 <b>Sampled By</b> : CLIENT  <b>Phone</b> : (02) 94490151
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03165	VC-23 2.9 - 5.7m	ELUTRIATE (3.0-4.0) + MARINE WATER JOB J656
NQ08/03166	VC-23 5.9 - 8.7m	ELUTRIATE (6.0-7.0) + MARINE WATER JOB J656
NQ08/03167	VC-33 0.0 - 0.7m	ELUTRIATE (0.0-1.0) + MARINE WATER JOB J656

Lab Reg No.			NQ08/03165	NQ08/03166	NQ08/03167	
Sample Reference	Units	LOR	VC-23	VC-23	VC-33	Method
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	2.1	2.2	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	1.2	2.9	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	9.9	3.1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47



Anna Zheng, Analyst  
 Inorganics - NSW  
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7-AUG-2008

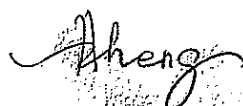
## REPORT OF ANALYSIS

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Report No. RN692159

<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG <b>Attention</b> : MAUREEN CHANG <b>Project Name</b> : <b>Your Client Services Manager</b> : Brian Woodward	<b>Job No.</b> : LAML01/080724 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 24-JUL-2008 <b>Sampled By</b> : CLIENT <b>Phone</b> : (02) 94490151
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03168	VC-33 1.9 - 2.9m	ELUTRIATE ( <del>2.0-2.8</del> ) + MARINE WATER JOB J656
NQ08/03169	VC-31 0.0 - 0.9m	ELUTRIATE ( <del>0.5-1.0</del> ) + MARINE WATER JOB J656
NQ08/03170	VC-31 0.9 - 1.9m	ELUTRIATE ( <del>1.0-2.0</del> ) + MARINE WATER JOB J656

Lab Reg No.			NQ08/03168	NQ08/03169	NQ08/03170	
Sample Reference	Units	LOR	VC-33	VC-31	VC-31	Method
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	2.1	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	0.24	0.26	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	3	2.1	NT2_47
Lead	ug/L	1.0	<1	<1	1.3	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	6.5	2	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47



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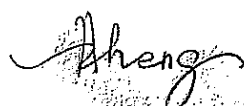
## REPORT OF ANALYSIS

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<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG <b>Attention</b> : MAUREEN CHANG <b>Project Name</b> : <b>Your Client Services Manager</b> : Brian Woodward	<b>Job No.</b> : LAMLO1/080724 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 24-JUL-2008 <b>Sampled By</b> : CLIENT  <b>Phone</b> : (02) 94490151
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03171	VC-31 1.9 - 2.9m	ELUTRIATE (2.0-2.8) + MARINE WATER JOB J656
NQ08/03172	VC-31 2.9 - 5.9m	ELUTRIATE (3.0-4.0) + MARINE WATER JOB J656
NQ08/03173	VC-31 5.9 - 9.9m	ELUTRIATE (6.2-7.0) + MARINE WATER JOB J656

Lab Reg No.			NQ08/03171	NQ08/03172	NQ08/03173	
Sample Reference	Units	LOR	VC-31	VC-31	VC-31	Method
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	<2	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	0.24	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	2.2	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	3.1	<1	10	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47



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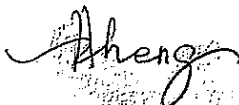
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03174	VC-15 0.0 - 0.9m	ELUTRIATE (0.2 1.0) + MARINE WATER JOB J656
NQ08/03175	VC-15 2.9 - 5.9m	ELUTRIATE (3.0 4.0) + MARINE WATER JOB J656
NQ08/03176	VC-9 0.0 - 0.9m	ELUTRIATE (0.0 1.0) + MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03174	NQ08/03175	NQ08/03176	Method
Sample Reference			VC-15	VC-15	VC-9	
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	<2	<2	NT247_251
Cadmium	ug/L	0.2	0.32	<0.2	0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	3.6	1.8	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.7	1.8	2.8	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	6.2	<4	<4	NT2_47



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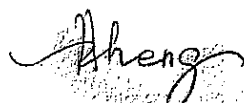
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03177	VC-9 0.9 - 1.9m	ELUTRIATE (1.0-2.0) + MARINE WATER JOB J656
NQ08/03178	VC-9 1.9 - 2.9m	ELUTRIATE (2.0-2.8) + MARINE WATER JOB J656
NQ08/03179	VC-9 2.9 - 5.9m	ELUTRIATE (3.0-4.0) + MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03177	NQ08/03178	NQ08/03179	Method
Sample Reference			VC-9	VC-9	VC-9	
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	22	34	<2	NT247_251
Cadmium	ug/L	0.2	1.2	1.1	0.27	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	1.1	<1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47



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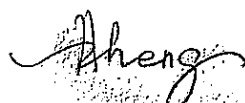
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03180	VC-19 0.0 - 0.9m	ELUTRIATE (0.5-1.0) + MARINE WATER JOB J656
NQ08/03181	VC-11 0.0 - 0.9m	ELUTRIATE (0.6-1.0) + MARINE WATER JOB J656
NQ08/03182	VC-11 0.9 - 1.9m	ELUTRIATE (1.0-2.0) + MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03180	NQ08/03181	NQ08/03182	Method
Sample Reference			VC-19	VC-11	VC-11	
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	5.4	2.3	7.7	NT247_251
Cadmium	ug/L	0.2	0.23	1	0.27	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	1.8	36	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.1	11	1.1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	28	<4	NT2_47



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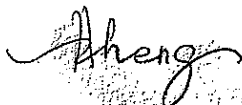
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03183	VC-11 1.7 - 2.4m	ELUTRIATE (2.0-2.8) + MARINE WATER JOB J656
NQ08/03184	VC-11 2.9 - 5.7m	ELUTRIATE (3.0-4.0) + MARINE WATER JOB J656
NQ08/03185	VC-1 1.9 - 2.7m	ELUTRIATE (2.0-2.8) + MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03183	NQ08/03184	NQ08/03185	Method
Sample Reference			VC-11	VC-11	VC-1	
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	5.3	<2	58	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	1.1	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	1.7	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.2	1.4	1.6	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47



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Lab Reg No.	Sample Ref	Sample Description
NQ08/03186	VC-23	MARINE WATER JOB J656
NQ08/03187	VC-21	MARINE WATER JOB J656
NQ08/03188	VC-33	MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03186	NQ08/03187	NQ08/03188	Method
Sample Reference			VC-23	VC-21	VC-33	
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	<2	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	1.7	1.7	1.9	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	<1	<1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	19	<4	<4	NT2_47



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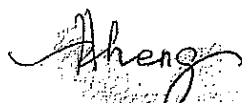
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<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG <b>Attention</b> : MAUREEN CHANG <b>Project Name</b> : <b>Your Client Services Manager</b> : Brian Woodward	<b>Job No.</b> : LAML01/080724 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 24-JUL-2008 <b>Sampled By</b> : CLIENT <b>Phone</b> : (02) 94490151
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03189	VC-35	MARINE WATER JOB J656
NQ08/03190	VC-31	MARINE WATER JOB J656
NQ08/03191	VC-15	MARINE WATER JOB J656

Lab Reg No.		LOR	NQ08/03189	NQ08/03190	NQ08/03191	Method
Sample Reference			VC-35	VC-31	VC-15	
	Units					
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	2.1	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	2.3	<1	<1	NT2_47
Copper	ug/L	1.0	4.3	1.7	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	<1	<1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	14	NT2_47



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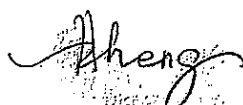
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03192	VC-17	MARINE WATER JOB J656
NQ08/03193	VC-9	MARINE WATER JOB J656
NQ08/03194	VC-19	MARINE WATER JOB J656

Lab Reg No.			NQ08/03192	NQ08/03193	NQ08/03194	
Sample Reference			VC-17	VC-9	VC-19	
	Units	LOR				
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	<2	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	<1	<1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	16	15	16	NT2_47



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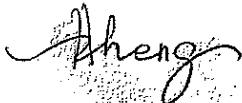
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03195	VC-13	MARINE WATER JOB J656
NQ08/03196	VC-11	MARINE WATER JOB J656
NQ08/03197	VC-7	MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03195	NQ08/03196	NQ08/03197	Method
Sample Reference			VC-13	VC-11	VC-7	
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	<2	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	3	NT2_47
Copper	ug/L	1.0	<1	<1	3	NT2_47
Lead	ug/L	1.0	<1	<1	1.2	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	<1	1.5	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	15	15	58	NT2_47



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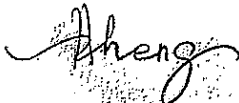
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03198	VC-5	MARINE WATER JOB J656
NQ08/03199	VC-1	MARINE WATER JOB J656
NQ08/03200	VC-3	MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03198	NQ08/03199	NQ08/03200	Method
Sample Reference			VC-5	VC-1	VC-3	
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	<2	2.1	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	3.7	<1	3.6	NT2_47
Copper	ug/L	1.0	3.9	<1	4.3	NT2_47
Lead	ug/L	1.0	1.5	<1	1.9	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.5	<1	1.5	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	79	<4	78	NT2_47



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**National Measurement Institute**

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This Report supersedes reports: *RN692055*



**Australian Government**  
**National Measurement Institute**

**QUALITY ASSURANCE REPORT**

**Client:** LAM LABORATORIES

**NMI QA Report No:** LAML01/080724

**Sample Matrix:** Water

Analyte	Method	LOR	Blank	Duplicates			Recoveries	
				Sample	Duplicate	RPD	LCS	Matrix Spike
		ug/L	ug/L	ug/L	ug/L	%	%	%
<b>Inorganics Section</b>				<b>NQ08/03200</b>			<b>NQ08/03200</b>	
Arsenic	NT2.47/2.51	2	<2	2.0	2.1	5	100	93
Cadmium	NT2.47	0.2	<0.2	<0.2	<0.2	ND	108	92
Chromium	NT2.47	1	<1	3.4	3.8	11	110	90
Copper	NT2.47	1	<1	4.3	4.4	2	108	86
Lead	NT2.47	1	<1	1.8	2.0	11	108	95
Mercury	NT2.47/2.44	0.1	<0.1	<0.1	<0.1	ND	97	110
Nickel	NT2.47	1	<1	1.4	1.6	13	107	89
Silver	NT2.47	1	<1	<1	<1	ND	112	96
Zinc	NT2.47	4	<4	76	79	4	105	85

Filename = K:\Inorganics\Quality System\QA Reports\TE\QAR2008\Water\

**Legend:**

Acceptable recovery is 75-120%.

Acceptable RPDs on duplicates is 44% at concentrations >5 times LOR. Greater RPD may be expected at <5 times LOR.

LOR = Limit Of Reporting

ND = Not Determined

RPD = Relative Percent Difference

NA = Not Applicable

LCS = Laboratory Control Sample.

#: Spike level is less than 50% of the sample's concentration, hence the recovery data is not reliable.

**Comments:**

Results greater than ten times LOR have been rounded to two significant figures.

This report shall not be reproduced except in full.

**Signed:**

**Dr Michael Wu**  
**Inorganics Manager, NMI-Pymble**  
**7/08/2008**

**Date:**



REPORT OF ANALYSIS

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<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG	<b>Job No.</b> : LAML01/080804 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 4-AUG-2008 <b>Sampled By</b> : CLIENT
<b>Attention</b> : MAUREEN CHANG	<b>Phone</b> : (02) 94490151
<b>Project Name</b> :	
<b>Your Client Services Manager</b> : Brian Woodward	

Lab Reg No.	Sample Ref	Sample Description
NQ08/03480	• 0.0 - 0.9m	ELUTRIATE VC-15 (1.0-2.0) + VC15 MARINE WATER JOB J656
NQ08/03481	• 1.9 - 2.9m	ELUTRIATE VC-15 (2.0-2.8) + VC15 MARINE WATER JOB J656
NQ08/03482	• 0.0 - 0.9m	ELUTRIATE VC-17 (0.3-1.0) + VC17 MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03480	NQ08/03481	NQ08/03482	Method
Sample Reference						
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	9.2	15	3	NT247_251
Cadmium	ug/L	0.2	0.37	0.55	0.22	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	1.9	<1	2.1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.1	1.1	2.8	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	4.9	<4	<4	NT2_47

Anna Zheng, Analyst  
Inorganics - NSW  
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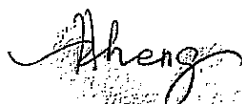
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<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG <b>Attention</b> : MAUREEN CHANG <b>Project Name</b> : <b>Your Client Services Manager</b> : Brian Woodward	<b>Job No.</b> : LAML01/080804 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 4-AUG-2008 <b>Sampled By</b> : CLIENT <b>Phone</b> : (02) 94490151
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03483	0.9 - 1.9m	ELUTRIATE VC-17 (1.0-2.0) + VC17 MARINE WATER JOB J656
NQ08/03484	1.9 - 2.9m	ELUTRIATE VC-17 (2.0-2.8) + VC17 MARINE WATER JOB J656
NQ08/03485	2.9 - 5.9m	ELUTRIATE VC-17 (3.0-4.0) + VC17 MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03483	NQ08/03484	NQ08/03485	Method
<b>Sample Reference</b>						
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	27	5.4	2.2	NT247_251
Cadmium	ug/L	0.2	0.48	0.26	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	2.3	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	5.7	<1	<1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	5	<4	<4	NT2_47



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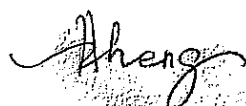
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<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG <b>Attention</b> : MAUREEN CHANG <b>Project Name</b> : <b>Your Client Services Manager</b> : Brian Woodward	<b>Job No.</b> : LAML01/080804 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 4-AUG-2008 <b>Sampled By</b> : CLIENT  <b>Phone</b> : (02) 94490151
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03486	0.9 - 1.9m	ELUTRIATE VC-19 (1.0-2.0) + VC19 MARINE WATER JOB J656
NQ08/03487	1.9 - 2.9m	ELUTRIATE VC-19 (2.0-2.8) + VC19 MARINE WATER JOB J656
NQ08/03488	2.9 - 3.9m	ELUTRIATE VC-19 (3.0-4.0) + VC19 MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03486	NQ08/03487	NQ08/03488	Method
<b>Sample Reference</b>						
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	19	4.5	4.7	NT247_251
Cadmium	ug/L	0.2	0.61	0.63	0.28	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	2.1	1.1	1.4	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.4	1.3	2.8	NT2_47
Silver	ug/L	1.0	<1	4.8	<1	NT2_47
Zinc	ug/L	4.0	<4	4.4	4.6	NT2_47



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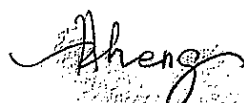
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<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG <b>Attention</b> : MAUREEN CHANG <b>Project Name</b> : <b>Your Client Services Manager</b> : Brian Woodward	<b>Job No.</b> : LAML01/080804 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 4-AUG-2008 <b>Sampled By</b> : CLIENT <b>Phone</b> : (02) 94490151
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03489	0.0 - 0.9m	ELUTRIATE VC-13 (0.3-1.0) + VC13 MARINE WATER JOB J656
NQ08/03490	0.9 - 1.9m	ELUTRIATE VC-13 (1.0-2.0) + VC13 MARINE WATER JOB J656
NQ08/03491	1.9 - 2.9m	ELUTRIATE VC-13 (2.0-2.8) + VC13 MARINE WATER JOB J656 <span style="float: right;">W</span>

Lab Reg No.	Units	LOR	NQ08/03489	NQ08/03490	NQ08/03491	Method
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	7.6	2.6	NT247_251
Cadmium	ug/L	0.2	0.26	0.28	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	2.7	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	1.2	1.4	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	4.3	NT2_47



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## REPORT OF ANALYSIS

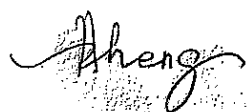
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03492	2.9 - 5.9m	ELUTRIATE VC-13 ( <del>3.0-4.0</del> ) + VC13 MARINE WATER JOB J656
NQ08/03493	0.0 - 0.9m	ELUTRIATE VC-7 ( <del>0.1-1.0</del> ) + VC7 MARINE WATER JOB J656
NQ08/03494	0.9 - 1.9m	ELUTRIATE VC-7 ( <del>1.0-2.0</del> ) + VC7 MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03492	NQ08/03493	NQ08/03494	Method
Sample Reference						
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	13	30	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	0.27	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	1.4	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	3.1	1.3	<1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47



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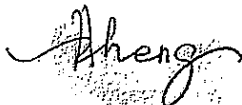
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03495	1.9 - 2.9m	ELUTRIATE VC-7 (2.0-2.8) + VC7 MARINE WATER JOB J656
NQ08/03496	2.9 - 5.9m	ELUTRIATE VC-7 (3.1-4.0) + VC7 MARINE WATER JOB J656
NQ08/03497	0.0 - 0.9m	ELUTRIATE VC-5 (0.5-1.0) + VC5 MARINE WATER JOB J656

Lab Reg No.			NQ08/03495	NQ08/03496	NQ08/03497	
Sample Reference	Units	LOR				Method
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	<2	2.8	NT247_251
Cadmium	ug/L	0.2	<0.2	0.21	0.38	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.7	1.4	2.4	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47



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Lab Reg No.	Sample Ref	Sample Description
NQ08/03498	0.9 - 1.9m	ELUTRIATE VC-5 (1.0-2.0) + VC5 MARINE WATER JOB J656
NQ08/03499	1.9 - 2.9m	ELUTRIATE VC-5 (2.0-2.8) + VC5 MARINE WATER JOB J656
NQ08/03500	2.9 - 5.9m	ELUTRIATE VC-5 (3.0-4.0) + VC5 MARINE WATER JOB J656

Lab Reg No.			NQ08/03498	NQ08/03499	NQ08/03500	
Sample Reference	Units	LOR				Method
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	3	22	5.4	NT247_251
Cadmium	ug/L	0.2	0.23	0.22	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	1.4	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.3	<1	<1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47



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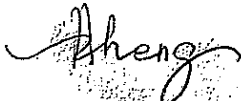
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03501	0.0 - 0.9m	ELUTRIATE VC-1 (0.1-1.0) + VC1 MARINE WATER JOB J656
NQ08/03502	0.9 - 1.9m	ELUTRIATE VC-1 (1.0-2.0) + VC1 MARINE WATER JOB J656
NQ08/03503	2.9 - 5.9m	ELUTRIATE VC-1 (3.0-4.0) + VC1 MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03501	NQ08/03502	NQ08/03503	Method
<b>Sample Reference</b>						
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	7.7	<2	29	NT247_251
Cadmium	ug/L	0.2	0.23	0.24	0.51	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	1.5	2.4	<1	NT2_47
Lead	ug/L	1.0	6.2	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.4	5.7	<1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	13	11	<4	NT2_47

  
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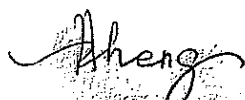
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03504	0.0 - 0.9m	ELUTRIATE VC-3 (0.4-1.0) + VC3 MARINE WATER JOB J656
NQ08/03505	0.9 - 1.9m	ELUTRIATE VC-3 (1.0-2.0) + VC3 MARINE WATER JOB J656
NQ08/03506	1.9 - 2.9m	ELUTRIATE VC-3 (2.0-2.8) + VC3 MARINE WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03504	NQ08/03505	NQ08/03506	Method
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	<2	33	NT247_251
Cadmium	ug/L	0.2	0.21	<0.2	0.27	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	1.5	<1	<1	NT2_47
Lead	ug/L	1.0	<1	1.1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.9	2.8	1.1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47



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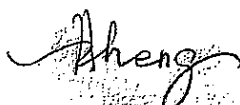
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03507	2.9 - 5.9m	ELUTRIATE VC-3 (3.0-4.0) + VC3 MARINE WATER JOB J656 ✓

Lab Reg No.	Sample Reference	Units	LOR	Method
NQ08/03507				
<b>Trace Elements</b>				
Arsenic	ug/L	2.0	3.8	NT247_251
Cadmium	ug/L	0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	NT2_47
Copper	ug/L	1.0	<1	NT2_47
Lead	ug/L	1.0	<1	NT2_47
Mercury	ug/L	0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.1	NT2_47
Silver	ug/L	1.0	<1	NT2_47
Zinc	ug/L	4.0	<4	NT2_47



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**National Measurement Institute**

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This Report supersedes reports: *RN693726*



**Australian Government**  
**National Measurement Institute**

**QUALITY ASSURANCE REPORT**

**Client:** LAM LABORATORIES

**NMI QA Report No:** LAML01/080804

**Sample Matrix:** Water

Analyte	Method	LOR	Blank	Duplicates			Recoveries	
				Sample	Duplicate	RPD	LCS	Matrix Spike
		ug/L	ug/L	ug/L	ug/L	%	%	%
<b>Inorganics Section</b>				<b>NQ08/03489</b>			<b>NQ08/03489</b>	
Arsenic	NT2.47/2.51	2	<2	<2	<2	ND	100	107
Cadmium	NT2.47	0.2	<0.2	0.25	0.27	8	110	92
Chromium	NT2.47	1	<1	<1	<1	ND	108	98
Copper	NT2.47	1	<1	<1	<1	ND	114	94
Lead	NT2.47	1	<1	<1	<1	ND	98	95
Mercury	NT2.47/2.44	0.1	<0.1	<0.1	<0.1	ND	92	88
Nickel	NT2.47	1	<1	<1	<1	ND	107	91
Silver	NT2.47	1	<1	<1	<1	ND	102	95
Zinc	NT2.47	4	<4	<4	<4	ND	94	99

Filename = K:\Inorganics\Quality System\QA Reports\TE\QAR2008\Water\

**Legend:**

Acceptable recovery is 75-120%.

Acceptable RPDs on duplicates is 44% at concentrations >5 times LOR. Greater RPD may be expected at <5 times LOR.

LOR = Limit Of Reporting

ND = Not Determined

RPD = Relative Percent Difference

NA = Not Applicable

LCS = Laboratory Control Sample.

#: Spike level is less than 50% of the sample's concentration, hence the recovery data is not reliable.

**Comments:**

Results greater than ten times LOR have been rounded to two significant figures.

This report shall not be reproduced except in full.

Signed:

Dr Michael Wu  
 Inorganics Manager, NMI-Pymble  
 18/08/2008

Date:





REPORT OF ANALYSIS

Page: 1 of 4

Report No. RN693945

<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG	<b>Job No.</b> : LAML01/080805 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 5-AUG-2008 <b>Sampled By</b> : CLIENT
<b>Attention</b> : MAUREEN CHANG	<b>Phone</b> : (02) 94490151
<b>Project Name</b> :	
<b>Your Client Services Manager</b> : Brian Woodward	

Lab Reg No.	Sample Ref	Sample Description
NQ08/03515	VC-33B	MARINE WATER JOB J656
NQ08/03516	VC-1A	MARINE WATER JOB J656
NQ08/03517	0.0 - 0.9m	ELUTRIATE VC-1A (0.2-1.0) + VC1A MARINE WATER JOB J656 ✓

Lab Reg No.	Units	LOR	NQ08/03515	NQ08/03516	NQ08/03517	Method
Sample Reference			VC-33B	VC-1A		
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	<2	9.7	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	1.2	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	2.2	5.4	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	9.5	13	11	NT2_47

Anna Zheng, Analyst  
Inorganics - NSW  
Accreditation No. 198

19-AUG-2008

This report is issued in accordance with NATA's accreditation requirements

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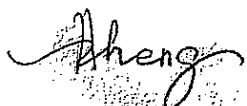
## REPORT OF ANALYSIS

Page: 2 of 4  
Report No. RN693945

<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG <b>Attention</b> : MAUREEN CHANG <b>Project Name</b> : <b>Your Client Services Manager</b> : Brian Woodward	<b>Job No.</b> : LAML01/080805 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 5-AUG-2008 <b>Sampled By</b> : CLIENT <b>Phone</b> : (02) 94490151
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Lab Reg No.	Sample Ref	Sample Description
NQ08/03518	0.9 - 1.9m	ELUTRIATE VC-1A (1.0-2.0) + VC1A MARINE WATER JOB J656
NQ08/03519	1.9 - 2.9m	ELUTRIATE VC-1A (2.0-2.8) + VC1A MARINE WATER JOB J656
NQ08/03520	2.9 - 5.9m	ELUTRIATE VC-1A (3.0-4.0) + VC1A MARINE WATER JOB J656 <span style="float: right;">VP</span>

Lab Reg No.	Units	LOR	NQ08/03518	NQ08/03519	NQ08/03520	Method
<b>Sample Reference</b>						
<b>Trace Elements</b>						
Arsenic	ug/L	2.0	<2	<2	<2	NT247_251
Cadmium	ug/L	0.2	0.28	0.21	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	10	17	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47



Anna Zheng, Analyst  
 Inorganics - NSW  
 Accreditation No. 198

19-AUG-2008

## REPORT OF ANALYSIS

Page: 3 of 4  
Report No. RN693945

<b>Client</b> : LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE 6 SUN YIP STREET CHAI WAN HONG KONG <b>Attention</b> : MAUREEN CHANG <b>Project Name</b> : <b>Your Client Services Manager</b> : Brian Woodward	<b>Job No.</b> : LAML01/080805 <b>Quote No.</b> : QT-00441 <b>Order No.</b> : <b>Date Sampled</b> : <b>Date Received</b> : 5-AUG-2008 <b>Sampled By</b> : CLIENT  <b>Phone</b> : (02) 94490151
---	---

Lab Reg No.	Sample Ref	Sample Description
NQ08/03521	2.9 - 5.9m	ELUTRIATE VC-33B (3.0-4.0) + VC33B MARINE WATER JOB J656
NQ08/03522	5.9 - 9.9m	ELUTRIATE VC-33B (6.0-6.8) + VC33B MARINE WATER JOB J656 <span style="float: right;">VP</span>

Lab Reg No.	Units	LOR	NQ08/03521	NQ08/03522	Method
<b>Trace Elements</b>					
Arsenic	ug/L	2.0	<2	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.9	2.3	NT2_47
Silver	ug/L	1.0	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	NT2_47



Anna Zheng, Analyst  
Inorganics - NSW  
Accreditation No. 198

19-AUG-2008



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**National Measurement Institute**

## REPORT OF ANALYSIS

Page: 4 of 4  
Report No. RN693945

This Report supersedes reports: *RN693912*



**QUALITY ASSURANCE REPORT**

**Client:** LAM LABORATORIES

**NMI QA Report No:** LAML01/080804  
LAML01/080805

**Sample Matrix:** Water

Analyte	Method	LOR	Blank	Duplicates			Recoveries	
				Sample	Duplicate	RPD	LCS	Matrix Spike
		ug/L	ug/L	ug/L	ug/L	%	%	%
<b>Inorganics Section</b>				NQ08/03489			NQ08/03489	
Arsenic	NT2.47/2.51	2	<2	<2	<2	ND	100	107
Cadmium	NT2.47	0.2	<0.2	0.25	0.27	8	110	92
Chromium	NT2.47	1	<1	<1	<1	ND	108	98
Copper	NT2.47	1	<1	<1	<1	ND	114	94
Lead	NT2.47	1	<1	<1	<1	ND	98	95
Mercury	NT2.47/2.44	0.1	<0.1	<0.1	<0.1	ND	92	88
Nickel	NT2.47	1	<1	<1	<1	ND	107	91
Silver	NT2.47	1	<1	<1	<1	ND	102	95
Zinc	NT2.47	4	<4	<4	<4	ND	94	99

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**Legend:**

Acceptable recovery is 75-120%.  
 Acceptable RPDs on duplicates is 44% at concentrations >5 times LOR. Greater RPD may be expected at <5 times LOR.  
 LOR = Limit Of Reporting  
 RPD = Relative Percent Difference  
 LCS = Laboratory Control Sample.  
 #: Spike level is less than 50% of the sample's concentration, hence the recovery data is not reliable.

**Comments:**

Results greater than ten times LOR have been rounded to two significant figures.  
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**Signed:**

  
 Dr Michael Wu  
 Inorganics Manager, NMI-Pymble  
 19/08/2008

**Date:**



PAHs

**TEST REPORT**

**Report No.** : 106780N  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited  
**Address** : 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.  
**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174  
**Sample Description** : 18 liquid samples said to be saline water  
**Sample Receipt Date** : 18 June 2008 - 24 July 2008  
**Test Period** : 23 June 2008 - 7 August 2008

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


CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
NAP	Naphthalene	0.20	W/O/PAH
ANY	Acenaphthylene	0.20	W/O/PAH
ANA	Acenaphthene	0.20	W/O/PAH
FLU	Fluorene	0.20	W/O/PAH
PHE	Phenanthrene	0.20	W/O/PAH
ANT	Anthracene	0.20	W/O/PAH
LMW PAH	Total LMW PAH	0.20	W/O/PAH

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

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
CHR	Chrysene	0.20	W/O/PAH
BaA	Benzo(a)anthracene	0.20	W/O/PAH
BbF	Benzo(b)fluoranthene	0.20	W/O/PAH
BkF	Benzo(k)fluoranthene	0.20	W/O/PAH
BaP	Benzo(a)pyrene	0.20	W/O/PAH
DBA	Dibenz(ah)anthracene	0.20	W/O/PAH
FLT	Fluoranthene	0.20	W/O/PAH
IPY	Indeno(1,2,3-cd)pyrene	0.20	W/O/PAH
PYR	Pyrene	0.20	W/O/PAH
BPE	Benzo(ghi)perylene	0.20	W/O/PAH
HMW PAH	Total HMW PAH	0.20	W/O/PAH

- 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. < = less than
  4. N/A = Not applicable
  5. Test results satisfy all in-house QA/QC protocols as attached.
  6. Test description ( for in-house methods) as follows:  
W/O/PAH: Solvent extraction and GC-MS Quantification.
  7. Total LMW PAH Equals to the sum of NAP,ANY,ANA,FLU,PHE,ANT.
  8. Total HMW PAH Equals to the sum of CHR,BaA,BbF,BkF,BaP,DBA,FLT,IPY,PYR,BPE.

Authorized Signatory :



Wong Yau Tim  
(Operations Manager)

Issue Date: 25 Aug. 2008

**TEST REPORT**

Report No. : 106780N  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample				Specimen Depth m	NAP ug/L	ANY ug/L	ANA ug/L	FLU ug/L	PHE ug/L	ANT ug/L	LMW PAH ug/L
	Depth, m			Type								
	No.	From	To									
VC-37	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-23	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-21	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-33	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-35	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-31	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-15	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-17	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-9	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-19	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-13	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-11	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-7	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-5	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-1	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-3	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-33B	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-1A	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20



**TEST REPORT**

Report No. : 106780N  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample				Specimen Depth m	CHR ug/L	BaA ug/L	BbF ug/L	BkF ug/L	BaP ug/L	DBA ug/L	FLT ug/L	IPY ug/L	PYR ug/L	BPE ug/L	HMW PAH ug/L
	Depth, m			Type												
	No.	From	To													
VC-37	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-23	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-21	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-33	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-35	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-31	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-15	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-17	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-9	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-19	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-13	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-11	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-7	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-5	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-1	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-3	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-33B	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-1A	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

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

**QUALITY CONTROL REPORT**

Report No. : 106780N  
 Project Name : Ground Investigations Works for installation of Submarine Gas Pipeline and Associated Facilities from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results**

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

**1.1 Sample Duplicate**

Customer Ref. Drillhole No.	Sample					Batch	NAP %	ANY %	ANA %	FLU %	PHE %	ANT %
	Depth, m			Type	Specimen Depth m							
	No.	From	To									
VC-37	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*
Control Limits							+/- 30 % of the mean					

**1.2 Sample Spike (Spike Level = 5 ug)**

Customer Ref. Drillhole No.	Sample					Batch	NAP %	ANY %	ANA %	FLU %	PHE %	ANT %
	Depth, m			Type	Specimen Depth m							
	No.	From	To									
VC-23	N/A	N/A	N/A		N/A	1	113	105	111	97	115	96
Control Limits							70 - 130 %					

Notes :

- 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: 25 Aug. 2008

**QUALITY CONTROL REPORT**

Report No. : 106780N  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC 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		%	%	%	%	%	%	%	%	%	%
	No.	From	To		Depth m											
VC-37	N/A	N/A	N/A		N/A	1	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		%	%	%	%	%	%	%	%	%	%
	No.	From	To		Depth m											
VC-23	N/A	N/A	N/A		N/A	1	100	108	119	104	110	113	119	114	107	103
Control Limits						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. : 106780N  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs****1.3 QC Sample (Spike Level = 5 ug)**

Customer Ref. Drillhole No.	Sample					Batch	NAP %	ANY %	ANA %	FLU %	PHE %	ANT %
	Depth, m			Type	Specimen Depth m							
	No.	From	To									
LCS	N/A	N/A	N/A		N/A	1	96	103	102	95	109	101
Control Limits							70 - 130 %					

**1.4 Method Blank**

Customer Ref. Drillhole No.	Sample					Batch	NAP ug/L	ANY ug/L	ANA ug/L	FLU ug/L	PHE ug/L	ANT ug/L
	Depth, m			Type	Specimen Depth m							
	No.	From	To									
N/A	N/A	N/A	N/A		N/A	1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Control Limits							Less than reporting limit					

## Notes :

1. LCS = Laboratory Control Sample

**QUALITY CONTROL REPORT**

Report No. : 106780N  
 Project Name : Ground Investigations Works for installation of Submarine Gas Pipeline and Associated Facilities from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results**

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

**2.3 QC Sample (Spike Level = 5 ug)**

Customer Ref. Drillhole No.	Sample				Batch	CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE	
	Depth, m			Type Specimen Depth m		%	%	%	%	%	%	%	%	%	%	%
	No.	From	To													
LCS	N/A	N/A	N/A		N/A	1	96	111	106	85	108	113	108	114	92	90
Control Limits						70 - 130 %										

**2.4 Method Blank**

Customer Ref. Drillhole No.	Sample				Batch	CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE	
	Depth, m			Type Specimen Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	No.	From	To													
N/A	N/A	N/A	N/A		N/A	1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Control Limits						Less than reporting limit										

Notes :

- 1. LCS = Laboratory Control Sample

**TEST REPORT**

**Report No.** : 106776N(1)  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited  
**Address** : 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.  
**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174  
**Sample Description** : 73 elutriate samples said to be saline water  
**Sample Receipt Date** : 18 June 2008 - 24 July 2008  
**Test Period** : 23 June 2008 - 7 August 2008

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

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
NAP	Naphthalene	0.20	W/O/PAH
ANY	Acenaphthylene	0.20	W/O/PAH
ANA	Acenaphthene	0.20	W/O/PAH
FLU	Fluorene	0.20	W/O/PAH
PHE	Phenanthrene	0.20	W/O/PAH
ANT	Anthracene	0.20	W/O/PAH
LMW PAH	Total LMW PAH	0.20	W/O/PAH


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

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
CHR	Chrysene	0.20	W/O/PAH
BaA	Benzo(a)anthracene	0.20	W/O/PAH
BbF	Benzo(b)fluoranthene	0.20	W/O/PAH
BkF	Benzo(k)fluoranthene	0.20	W/O/PAH
BaP	Benzo(a)pyrene	0.20	W/O/PAH
DBA	Dibenz(ah)anthracene	0.20	W/O/PAH
FLT	Fluoranthene	0.20	W/O/PAH
IPY	Indeno(1,2,3-cd)pyrene	0.20	W/O/PAH
PYR	Pyrene	0.20	W/O/PAH
BPE	Benzo(ghi)perylene	0.20	W/O/PAH
HMW PAH	Total HMW PAH	0.20	W/O/PAH

- 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. < = less than
  4. N/A = Not applicable
  5. Test results satisfy all in-house QA/QC protocols as attached.
  6. Test description ( for in-house methods) as follows:  
W/O/PAH: Solvent extraction and GC-MS Quantification.
  7. The elutriate samples were prepared according to contract agreed procedure.
  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.
  10. This report supersedes the one, 106776N, dated 25/8/2008.

Authorized Signatory :

Issue Date: 18 Sept. 2008

  
 Wong Yau Tim  
 (Operations Manager)

**TEST REPORT**

Report No. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample				NAP ug/L	ANY ug/L	ANA ug/L	FLU ug/L	PHE ug/L	ANT ug/L	LMW PAH ug/L
	Depth, m			Type Specimen Depth m							
	No.	From	To								
Elutriate VC-37(0.0-0.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(0.9-1.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(1.9-2.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(2.9-5.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(5.9-8.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(0.0-0.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(0.9-1.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(1.9-2.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(2.9-5.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(5.9-8.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(0.0-0.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(0.9-1.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(1.9-2.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(2.9-5.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(5.9-8.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(0.0-0.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(0.9-1.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(2.9-5.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-33(0.0-0.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

**TEST REPORT**

Report No. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample				NAP ug/L	ANY ug/L	ANA ug/L	FLU ug/L	PHE ug/L	ANT ug/L	LMW PAH ug/L	
	Depth, m			Type								Specimen Depth m
	No.	From	To									
Elutriate VC-33(0.9-1.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-33(1.9-2.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-23(0.0-0.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-23(0.9-1.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-23(1.9-2.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-23(2.9-5.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-23(5.9-8.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-3(0.0-0.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-3(0.9-1.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-3(1.9-2.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-3(2.9-5.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-5(0.0-0.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-5(0.9-1.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-5(1.9-2.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-5(2.9-5.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-1(0.0-0.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-1(0.9-1.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-1(1.9-2.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-1(2.9-5.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Elutriate VC-11(0.0-0.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	



**TEST REPORT**

Report No. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
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 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample				NAP ug/L	ANY ug/L	ANA ug/L	FLU ug/L	PHE ug/L	ANT ug/L	LMW PAH ug/L
	Depth, m			Type Specimen Depth m							
	No.	From	To								
Elutriate VC-11(0.9-1.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-11(1.9-2.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(0.9-1.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(1.9-2.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(2.9-5.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-9 (1.9-2.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-9 (2.9-5.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(0.0-0.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(0.9-1.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(1.9-2.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(2.9-5.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(0.0-0.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(0.9-1.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(1.9-2.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(2.9-5.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-15(0.0-0.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-15(0.9-1.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-15(1.9-2.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

**TEST REPORT**

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 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample					NAP ug/L	ANY ug/L	ANA ug/L	FLU ug/L	PHE ug/L	ANT ug/L	LMW PAH ug/L
	Depth, m			Type	Specimen Depth m							
	No.	From	To									
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-17 (0.0-0.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-17 (0.9-1.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-17 (1.9-2.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-17 (2.9-5.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-9 (0.0-0.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-9 (0.9-1.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1A(0.0-0.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1A(1.9-2.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1A(2.9-5.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-33B(2.9-5.9m)+VC- 33B marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-33B(5.9-8.9m)+VC- 33B marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

**TEST REPORT**

Report No. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample				CHR ug/L	BaA ug/L	BbF ug/L	BkF ug/L	BaP ug/L	DBA ug/L	FLT ug/L	IPY ug/L	PYR ug/L	BPE ug/L	HMW PAH ug/L
	Depth, m			Type Specimen Depth m											
	No.	From	To												
Elutriate VC-37(0.0-0.9m)+VC-37 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(0.9-1.9m)+VC-37 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(1.9-2.9m)+VC-37 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(2.9-5.9m)+VC-37 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(5.9-8.9m)+VC-37 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(0.0-0.9m)+VC-35 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(0.9-1.9m)+VC-35 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(1.9-2.9m)+VC-35 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(2.9-5.9m)+VC-35 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(5.9-8.9m)+VC-35 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(0.0-0.9m)+VC-31 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(0.9-1.9m)+VC-31 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(1.9-2.9m)+VC-31 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(2.9-5.9m)+VC-31 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(5.9-8.9m)+VC-31 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(0.0-0.9m)+VC-21 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(0.9-1.9m)+VC-21 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(2.9-5.9m)+VC-21 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-33(0.0-0.9m)+VC-33 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

**TEST REPORT**

Report No. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample				CHR ug/L	BaA ug/L	BbF ug/L	BkF ug/L	BaP ug/L	DBA ug/L	FLT ug/L	IPY ug/L	PYP ug/L	BPE ug/L	HMW PAH ug/L
	Depth, m			Type Specimen Depth m											
	No.	From	To												
Elutriate VC-33(0.9-1.9m)+VC-33 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-33(1.9-2.9m)+VC-33 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-23(0.0-0.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-23(0.9-1.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-23(1.9-2.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-23(2.9-5.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-23(5.9-8.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-3(0.0-0.9m)+VC-3 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-3(0.9-1.9m)+VC-3 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-3(1.9-2.9m)+VC-3 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-3(2.9-5.9m)+VC-3 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-5(0.0-0.9m)+VC-5 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-5(0.9-1.9m)+VC-5 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-5(1.9-2.9m)+VC-5 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-5(2.9-5.9m)+VC-5 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1(0.0-0.9m)+VC-1 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1(0.9-1.9m)+VC-1 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1(1.9-2.9m)+VC-1 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1(2.9-5.9m)+VC-1 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-11(0.0-0.9m)+VC-11 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

**TEST REPORT**

Report No. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample				CHR ug/L	BaA ug/L	BbF ug/L	BkF ug/L	BaP ug/L	DBA ug/L	FLT ug/L	IPY ug/L	PYR ug/L	BPE ug/L	HMW PAH ug/L
	Depth, m			Type Specimen Depth m											
	No.	From	To												
Elutriate VC-11(0.9-1.9m)+VC-11 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-11(1.9-2.9m)+VC-11 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(0.9-1.9m)+VC-7 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(1.9-2.9m)+VC-7 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(2.9-5.9m)+VC-7 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-9 (1.9-2.9m)+VC-9 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-9 (2.9-5.9m)+VC-9 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(0.0-0.9m)+VC-19 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(0.9-1.9m)+VC-19 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(1.9-2.9m)+VC-19 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(2.9-5.9m)+VC-19 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(0.0-0.9m)+VC-13 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(0.9-1.9m)+VC-13 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(1.9-2.9m)+VC-13 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(2.9-5.9m)+VC-13 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-15(0.0-0.9m)+VC-15 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-15(0.9-1.9m)+VC-15 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-15(1.9-2.9m)+VC-15 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

**TEST REPORT**

Report No. : 106776N(1)  
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 Submarine Gas Pipeline and Associated Facilities  
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 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample				CHR ug/L	BaA ug/L	BbF ug/L	BkF ug/L	BaP ug/L	DBA ug/L	FLT ug/L	IPY ug/L	PYR ug/L	BPE ug/L	HMW PAH ug/L
	Depth, m		Type	Specimen Depth m											
	No.	From													
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-17 (0.0-0.9m)+VC- 17 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-17 (0.9-1.9m)+VC- 17 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-17 (1.9-2.9m)+VC- 17 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-17 (2.9-5.9m)+VC- 17 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-9 (0.0-0.9m)+VC-9 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-9 (0.9-1.9m)+VC-9 marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1A(0.0-0.9m)+VC-1A marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1A(1.9-2.9m)+VC-1A marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1A(2.9-5.9m)+VC-1A marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-33B(2.9-5.9m)+VC- 33B marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-33B(5.9-8.9m)+VC- 33B marine water	N/A	N/A	N/A	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

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

**QUALITY CONTROL REPORT**

Report No. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample					Batch	NAP %	ANY %	ANA %	FLU %	PHE %	ANT %
	Depth, m			Type	Specimen Depth m							
	No.	From	To									
21084/1	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*
21126/14	N/A	N/A	N/A		N/A	2	na*	na*	na*	na*	na*	na*
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	3	na*	na*	na*	na*	na*	na*
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	4	na*	na*	na*	na*	na*	na*
Control Limits							+/- 30 % of the mean					

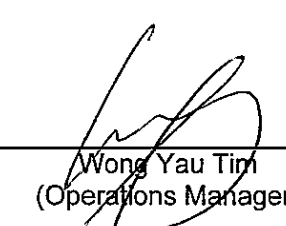
**1.2 Sample Spike (Spike Level = 5 ug)**

Customer Ref. Drillhole No.	Sample					Batch	NAP %	ANY %	ANA %	FLU %	PHE %	ANT %
	Depth, m			Type	Specimen Depth m							
	No.	From	To									
Elutriate VC-37(0.0-0.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	1	96	96	107	102	98	95
21126/14	N/A	N/A	N/A		N/A	2	113	105	111	97	115	96
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	3	102	99	106	94	119	97
Elutriate VC-17(0.0-0.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	4	107	101	115	95	116	88
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: 18 Sept. 2008

**QUALITY CONTROL REPORT**

Report No. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample					Batch	NAP %	ANY %	ANA %	FLU %	PHE %	ANT %
	Depth, m			Type	Specimen Depth m							
	No.	From	To									
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	5	na*	na*	na*	na*	na*	na*
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	6	na*	na*	na*	na*	na*	na*
Control Limits						+/- 30 % of the mean						

**1.2 Sample Spike (Spike Level = 5 ug)**

Customer Ref. Drillhole No.	Sample					Batch	NAP %	ANY %	ANA %	FLU %	PHE %	ANT %
	Depth, m			Type	Specimen Depth m							
	No.	From	To									
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	5	113	105	105	107	129	98
Elutriate VC-1A(1.9-2.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	6	94	83	87	94	86	93
Control Limits						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. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample					Batch	CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%	%	
21084/1	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*
21126/14	N/A	N/A	N/A		N/A	2	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	3	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	4	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. Drillhole No.	Sample					Batch	CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%	%	
Elutriate VC-37(0.0-0.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	1	98	85	104	98	84	100	100	94	111	100
21126/14	N/A	N/A	N/A		N/A	2	100	108	119	104	110	113	119	114	107	103
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	3	104	112	108	100	111	118	114	108	109	96
Elutriate VC-17(0.0-0.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	4	97	109	99	113	113	109	102	103	118	96
Control Limits						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. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample					Batch	CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
	Depth, m			Type	Specimen		%	%	%	%	%	%	%	%	%	%
	No.	From	To		Depth m											
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	5	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	6	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. Drillhole No.	Sample					Batch	CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
	Depth, m			Type	Specimen		%	%	%	%	%	%	%	%	%	%
	No.	From	To		Depth m											
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	5	118	104	102	118	107	98	107	80	113	81
Elutriate VC-1A(1.9-2.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	6	90	79	86	100	109	125	99	117	79	88
Control Limits							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. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs****1.3 QC Sample (Spike Level = 5 ug)**

Customer Ref. Drillhole No.	Sample				Batch	NAP %	ANY %	ANA %	FLU %	PHE %	ANT %	
	Depth, m			Type Specimen Depth m								
	No.	From	To									
LCS	N/A	N/A	N/A		N/A	1	106	107	108	114	107	105
LCS	N/A	N/A	N/A		N/A	2	96	103	102	95	109	101
LCS	N/A	N/A	N/A		N/A	3	104	93	112	103	112	105
LCS	N/A	N/A	N/A		N/A	4	108	101	109	96	120	98
Control Limits						70 - 130 %						

**1.4 Method Blank**

Customer Ref. Drillhole No.	Sample				Batch	NAP ug/L	ANY ug/L	ANA ug/L	FLU ug/L	PHE ug/L	ANT ug/L
	Depth, m			Type Specimen Depth m							
	No.	From	To								
N/A	N/A	N/A	N/A		N/A	1	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	2	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	3	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	4	<0.20	<0.20	<0.20	<0.20	<0.20
Control Limits						Less than reporting limit					

Notes :

1. LCS = Laboratory Control Sample

**QUALITY CONTROL REPORT**

Report No. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs****1.3 QC Sample (Spike Level = 5 ug)**

Customer Ref.	Sample					Batch	NAP %	ANY %	ANA %	FLU %	PHE %	ANT %	
	Drillhole No.	Depth, m			Type								Specimen Depth m
		No.	From	To									
LCS	N/A	N/A	N/A		N/A	5	112	100	107	94	120	93	
LCS	N/A	N/A	N/A		N/A	6	89	78	83	88	85	92	
Control Limits							70 - 130 %						

**1.4 Method Blank**

Customer Ref.	Sample					Batch	NAP ug/L	ANY ug/L	ANA ug/L	FLU ug/L	PHE ug/L	ANT ug/L	
	Drillhole No.	Depth, m			Type								Specimen Depth m
		No.	From	To									
N/A	N/A	N/A	N/A		N/A	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
N/A	N/A	N/A	N/A		N/A	6	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Control Limits							Less than reporting limit						

**Notes :**

1. LCS = Laboratory Control Sample

**QUALITY CONTROL REPORT**

Report No. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs****2.3 QC Sample (Spike Level = 5 ug)**

Customer Ref. Drillhole No.	Sample				Batch	CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE	
	Depth, m			Type Specimen Depth m		%	%	%	%	%	%	%	%	%	%	
	No.	From	To			%	%	%	%	%	%	%	%	%		
LCS	N/A	N/A	N/A		N/A	1	92	94	108	102	93	109	97	100	107	96
LCS	N/A	N/A	N/A		N/A	2	96	111	106	85	108	113	108	114	92	90
LCS	N/A	N/A	N/A		N/A	3	109	115	113	104	110	115	103	103	104	108
LCS	N/A	N/A	N/A		N/A	4	114	99	100	114	121	91	110	103	120	110
Control Limits						70 - 130 %										

**2.4 Method Blank**

Customer Ref. Drillhole No.	Sample				Batch	CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
	Depth, m			Type Specimen Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	No.	From	To			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
N/A	N/A	N/A	N/A		N/A	1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	4	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Control Limits						Less than reporting limit									

**Notes :**

1. LCS = Laboratory Control Sample

**QUALITY CONTROL REPORT**

Report No. : 106776N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs****2.3 QC Sample (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				%	%	%	%	%	%	%	%	%	
LCS	N/A	N/A	N/A		N/A	5	88	94	107	97	108	95	105	90	115	91
LCS	N/A	N/A	N/A		N/A	6	90	82	79	86	95	121	95	118	77	81
Control Limits							70 - 130 %									

**2.4 Method Blank**

Customer Ref.	Sample					Batch	CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	Depth, m			Type	Specimen Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	No.	From	To				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
N/A	N/A	N/A	N/A		N/A	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	6	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Control Limits							Less than reporting limit									

**Notes :**

1. LCS = Laboratory Control Sample



PCBs

**TEST REPORT**


**Report No.** : 106781N  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited  
**Address** : 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.  
**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174  
**Sample Description** : 18 liquid samples said to be saline water  
**Sample Receipt Date** : 18 June 2008 - 24 July 2008  
**Test Period** : 23 June 2008 - 7 August 2008

**Test Information**

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
8	2,4' dichlorobiphenyl	0.01	W/O/PCB
18	2,2',5' trichlorobiphenyl	0.01	W/O/PCB
28	2,4,4' trichlorobiphenyl	0.01	W/O/PCB
44	2,2',3,5' tetrachlorobiphenyl	0.01	W/O/PCB
52	2,2',5,5' tetrachlorobiphenyl	0.01	W/O/PCB
66	2,3',4,4' tetrachlorobiphenyl	0.01	W/O/PCB
77	3,3',4,4' tetrachlorobiphenyl	0.01	W/O/PCB
101	2,2',4,5,5' pentachlorobiphenyl	0.01	W/O/PCB
105	2,3,3',4,4' pentachlorobiphenyl	0.01	W/O/PCB
118	2,3',4,4',5' pentachlorobiphenyl	0.01	W/O/PCB
126	3,3',4,4',5' pentachlorobiphenyl	0.01	W/O/PCB
128	2,2',3,3',4,4' hexachlorobiphenyl	0.01	W/O/PCB
138	2,2',3,4,4',5' hexachlorobiphenyl	0.01	W/O/PCB
153	2,2',4,4',5,5' hexachlorobiphenyl	0.01	W/O/PCB
169	3,3',4,4',5,5' hexachlorobiphenyl	0.01	W/O/PCB
170	2,2',3,3',4,4',5' heptachlorobiphenyl	0.01	W/O/PCB
180	2,2',3,4,4',5,5' heptachlorobiphenyl	0.01	W/O/PCB
187	2,2',3,4',5,5',6 heptachlorobiphenyl	0.01	W/O/PCB
Total PCB	Total PCB	0.01	W/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. < = less than
  4. N/A = Not applicable
  5. Test results satisfy all in-house QA/QC protocols as attached.
  6. Test description ( for in-house methods) as follows:  
W/O/PCB: Solvent extraction and GC-MS Quantification.
  7. Total PCB Equals to the sum of individual reported PCBs.

Authorized Signatory :



Wong Yau Tim  
(Operations Manager)

Issue Date: 25 Aug. 2008



**TEST REPORT**

Report No. : 106781N  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				8 ug/L	18 ug/L	28 ug/L	44 ug/L	52 ug/L	66 ug/L	77 ug/L	101 ug/L	105 ug/L	
	Depth, m			Type										Specimen Depth m
	No.	From	To											
VC-37	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-23	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-21	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-33	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-35	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-31	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-15	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-17	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-9	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-19	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-13	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-11	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-7	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-5	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-1	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-3	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-33B	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
VC-1A	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	

**TEST REPORT**

Report No. : 106781N  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				118 ug/L	126 ug/L	128 ug/L	138 ug/L	153 ug/L	169 ug/L	170 ug/L	180 ug/L	187 ug/L	Total PCB ug/L	
	Depth, m			Type Specimen Depth m											
	No.	From	To												
VC-37	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-23	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-21	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-33	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-35	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-31	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-15	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-17	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-9	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-19	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-13	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-11	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-7	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-5	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-1	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-3	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-33B	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-1A	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

————— Enf of Report —————

**QUALITY CONTROL REPORT**

Report No. : 106781N  
 Project Name : Ground Investigations Works for installation of Submarine Gas Pipeline and Associated Facilities from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No : 21084, 21126, 21129, 21174  
 QC Results

**1.1 Sample Duplicate**

Customer Ref.	Sample					Batch	8	18	28	44	52	66	77	101	105
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%	%
VC-37	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	na*	na*	
Control Limit						+/- 30% of the mean									

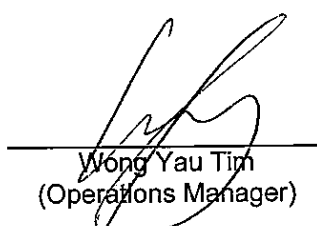
**1.2 Sample Spike (Spike Level = 1 ug)**

Customer Ref.	Sample					Batch	8	18	28	44	52	66	77	101	105
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%	
VC-23	N/A	N/A	N/A		N/A	1	111	110	114	94	102	104	88	101	104
Control Limit						70-130 %									

Notes :

- 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: 25 Aug. 2008

**QUALITY CONTROL REPORT**

**Report No.** : 106781N  
**Project Name** : Ground Investigations Works for installation of Submarine Gas Pipeline and Associated Facilities from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited

**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174

**QC Results**

**2.1 Sample Duplicate**

Customer Ref.	Sample					Batch	118	126	128	138	153	169	170	180	187
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%	%
VC-37	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	na*	na*	
Control Limit						+/- 30% of the mean									

**2.2 Sample Spike (Spike Level = 1 ug)**

Customer Ref.	Sample					Batch	118	126	128	138	153	169	170	180	187
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%	
VC-23	N/A	N/A	N/A		N/A	1	103	108	109	89	100	89	89	105	109
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. : 106781N  
 Project Name : Ground Investigations Works for installation of Submarine Gas Pipeline and Associated Facilities from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results**

**1.3 QC Sample (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				%	%	%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	103	107	119	90	94	107	86	109	116
Control Limit							70-130 %								

**1.4 Method Blank**

Customer Ref.	Sample					Batch	8	18	28	44	52	66	77	101	105
Drillhole No.	Depth, m			Type	Specimen Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	No.	From	To				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
N/A	N/A	N/A	N/A		N/A	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Control Limit							Less than reporting limit								

Notes :

1 Laboratory Control Sample

**QUALITY CONTROL REPORT**

Report No. : 106781N  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****2.3 QC Sample (Spike Level = 1 ug)**

Customer Ref.	Sample					Batch	118	126	128	138	153	169	170	180	187
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	116	114	115	90	102	101	101	108	113
Control Limit							70-130 %								

**2.4 Method Blank**

Customer Ref.	Sample					Batch	118	126	128	138	153	169	170	180	187
	Depth, m			Type	Specimen Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	No.	From	To				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
N/A	N/A	N/A	N/A		N/A	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Control Limit							Less than reporting limit								

Notes :

1 tory Control Sample

**TEST REPORT**

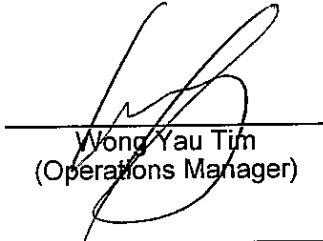
**Report No.** : 106777N(1)  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited  
**Address** : 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.  
**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174  
**Sample Description** : 73 elutriate samples said to be saline water  
**Sample Receipt Date** : 18 June 2008 - 24 July 2008  
**Test Period** : 23 June 2008 - 7 August 2008

**Test Information**

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
8	2,4' dichlorobiphenyl	0.01	W/O/PCB
18	2,2',5 trichlorobiphenyl	0.01	W/O/PCB
28	2,4,4' trichlorobiphenyl	0.01	W/O/PCB
44	2,2',3,5' tetrachlorobiphenyl	0.01	W/O/PCB
52	2,2',5,5' tetrachlorobiphenyl	0.01	W/O/PCB
66	2,3',4,4' tetrachlorobiphenyl	0.01	W/O/PCB
77	3,3',4,4' tetrachlorobiphenyl	0.01	W/O/PCB
101	2,2',4,5,5' pentachlorobiphenyl	0.01	W/O/PCB
105	2,3,3',4,4' pentachlorobiphenyl	0.01	W/O/PCB
118	2,3',4,4',5 pentachlorobiphenyl	0.01	W/O/PCB
126	3,3',4,4',5 pentachlorobiphenyl	0.01	W/O/PCB
128	2,2',3,3',4,4' hexachlorobiphenyl	0.01	W/O/PCB
138	2,2',3,4,4',5' hexachlorobiphenyl	0.01	W/O/PCB
153	2,2',4,4',5,5' hexachlorobiphenyl	0.01	W/O/PCB
169	3,3',4,4',5,5' hexachlorobiphenyl	0.01	W/O/PCB
170	2,2',3,3',4,4',5 heptachlorobiphenyl	0.01	W/O/PCB
180	2,2',3,4,4',5,5' heptachlorobiphenyl	0.01	W/O/PCB
187	2,2',3,4',5,5',6 heptachlorobiphenyl	0.01	W/O/PCB
Total PCB	Total PCB	0.01	W/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. < = less than
  4. N/A = Not applicable
  5. Test results satisfy all in-house QA/QC protocols as attached.
  6. Test description ( for in-house methods) as follows:  
W/O/PCB: Solvent extraction and GC-MS Quantification.
  7. The elutriate samples were prepared according to contract agreed procedure.
  8. Total PCB Equals to the sum of individual reported PCBs.
  9. This report supersedes the one, 106777N, dated 25/8/2008.

Authorized Signatory :



Wong Yau Tim  
(Operations Manager)

Issue Date: 18 Sept. 2008

**TEST REPORT**

**Report No.** : 106777N(1)  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited

**Lab Job No.** : J656  
**Lab Sample No** : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				8 ug/L	18 ug/L	28 ug/L	44 ug/L	52 ug/L	66 ug/L	77 ug/L	101 ug/L	105 ug/L
	Depth, m			Type Specimen Depth m									
	No.	From	To										
Elutriate VC-37(0.0-0.9m)+VC-37 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(0.9-1.9m)+VC-37 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(1.9-2.9m)+VC-37 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(2.9-5.9m)+VC-37 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(5.9-8.9m)+VC-37 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(0.0-0.9m)+VC-35 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(0.9-1.9m)+VC-35 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(1.9-2.9m)+VC-35 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(2.9-5.9m)+VC-35 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(5.9-8.9m)+VC-35 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(0.0-0.9m)+VC-31 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(0.9-1.9m)+VC-31 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(1.9-2.9m)+VC-31 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(2.9-5.9m)+VC-31 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(5.9-8.9m)+VC-31 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-21(0.0-0.9m)+VC-21 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-21(0.9-1.9m)+VC-21 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-21(2.9-5.9m)+VC-21 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33(0.0-0.9m)+VC-33 marine water	N/A	N/A	N/A		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01



**TEST REPORT**

Report No. : 106777N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
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 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				8 ug/L	18 ug/L	28 ug/L	44 ug/L	52 ug/L	66 ug/L	77 ug/L	101 ug/L	105 ug/L
	Depth, m			Type Specimen Depth m									
	No.	From	To										
Elutriate VC-33(0.9-1.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33(1.9-2.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(0.0-0.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(0.9-1.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(1.9-2.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(2.9-5.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(5.9-8.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-3(0.0-0.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-3(0.9-1.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-3(1.9-2.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-3(2.9-5.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-5(0.0-0.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-5(0.9-1.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-5(1.9-2.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-5(2.9-5.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1(0.0-0.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1(0.9-1.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1(1.9-2.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1(2.9-5.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-11(0.0-0.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

**TEST REPORT**

Report No. : 106777N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
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Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				8 ug/L	18 ug/L	28 ug/L	44 ug/L	52 ug/L	66 ug/L	77 ug/L	101 ug/L	105 ug/L
	Depth, m			Type Specimen Depth m									
	No.	From	To										
Elutriate VC-11(0.9-1.9m)+VC-11 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-11(1.9-2.9m)+VC-11 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-7(0.9-1.9m)+VC-7 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-7(1.9-2.9m)+VC-7 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-7(2.9-5.9m)+VC-7 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-9 (1.9-2.9m)+VC-9 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-9 (2.9-5.9m)+VC-9 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(0.0-0.9m)+VC-19 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(0.9-1.9m)+VC-19 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(1.9-2.9m)+VC-19 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(2.9-5.9m)+VC-19 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(0.0-0.9m)+VC-13 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(0.9-1.9m)+VC-13 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(1.9-2.9m)+VC-13 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(2.9-5.9m)+VC-13 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-15(0.0-0.9m)+VC-15 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-15(0.9-1.9m)+VC-15 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-15(1.9-2.9m)+VC-15 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

**TEST REPORT**

Report No. : 106777N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				8 ug/L	18 ug/L	28 ug/L	44 ug/L	52 ug/L	66 ug/L	77 ug/L	101 ug/L	105 ug/L
	Depth, m			Type Specimen Depth m									
	No.	From	To										
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-17 (0.0-0.9m)+VC-17 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-17 (0.9-1.9m)+VC-17 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-17 (1.9-2.9m)+VC-17 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-17 (2.9-5.9m)+VC-17 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-9 (0.0-0.9m)+VC-9 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-9 (0.9-1.9m)+VC-9 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(0.0-0.9m)+VC-1A marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(1.9-2.9m)+VC-1A marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(2.9-5.9m)+VC-1A marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33B(2.9-5.9m)+VC-33B marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33B(5.9-8.9m)+VC-33B marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

**TEST REPORT**

Report No. : 106777N(1)  
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 Submarine Gas Pipeline and Associated Facilities  
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 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				118 ug/L	126 ug/L	128 ug/L	138 ug/L	153 ug/L	169 ug/L	170 ug/L	180 ug/L	187 ug/L	Total PCB ug/L
	Depth, m			Specimen Depth m										
	No.	From	To											
Elutriate VC-37(0.0-0.9m)+VC-37 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(0.9-1.9m)+VC-37 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(1.9-2.9m)+VC-37 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(2.9-5.9m)+VC-37 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(5.9-8.9m)+VC-37 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(0.0-0.9m)+VC-35 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(0.9-1.9m)+VC-35 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(1.9-2.9m)+VC-35 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(2.9-5.9m)+VC-35 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(5.9-8.9m)+VC-35 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(0.0-0.9m)+VC-31 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(0.9-1.9m)+VC-31 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(1.9-2.9m)+VC-31 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(2.9-5.9m)+VC-31 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(5.9-8.9m)+VC-31 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-21(0.0-0.9m)+VC-21 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-21(0.9-1.9m)+VC-21 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-21(2.9-5.9m)+VC-21 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33(0.0-0.9m)+VC-33 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

**TEST REPORT**

Report No. : 106777N(1)  
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 Submarine Gas Pipeline and Associated Facilities  
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 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				118 ug/L	126 ug/L	128 ug/L	138 ug/L	153 ug/L	169 ug/L	170 ug/L	180 ug/L	187 ug/L	Total PCB ug/L
	Depth, m			Type Specimen Depth m										
	No.	From	To											
Elutriate VC-33(0.9-1.9m)+VC-33 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33(1.9-2.9m)+VC-33 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(0.0-0.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(0.9-1.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(1.9-2.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(2.9-5.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(5.9-8.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-3(0.0-0.9m)+VC-3 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-3(0.9-1.9m)+VC-3 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-3(1.9-2.9m)+VC-3 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-3(2.9-5.9m)+VC-3 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-5(0.0-0.9m)+VC-5 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-5(0.9-1.9m)+VC-5 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-5(1.9-2.9m)+VC-5 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-5(2.9-5.9m)+VC-5 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1(0.0-0.9m)+VC-1 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1(0.9-1.9m)+VC-1 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1(1.9-2.9m)+VC-1 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1(2.9-5.9m)+VC-1 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-11(0.0-0.9m)+VC-11 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

**TEST REPORT**

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	Depth, m			Type Specimen Depth m										
	No.	From	To											
Elutriate VC-11(0.9-1.9m)+VC-11 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-11(1.9-2.9m)+VC-11 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-7(0.9-1.9m)+VC-7 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-7(1.9-2.9m)+VC-7 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-7(2.9-5.9m)+VC-7 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-9 (1.9-2.9m)+VC-9 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-9 (2.9-5.9m)+VC-9 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(0.0-0.9m)+VC-19 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(0.9-1.9m)+VC-19 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(1.9-2.9m)+VC-19 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(2.9-5.9m)+VC-19 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(0.0-0.9m)+VC-13 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(0.9-1.9m)+VC-13 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(1.9-2.9m)+VC-13 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(2.9-5.9m)+VC-13 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-15(0.0-0.9m)+VC-15 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-15(0.9-1.9m)+VC-15 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-15(1.9-2.9m)+VC-15 marine water	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

**TEST REPORT**

Report No. : 106777N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				Specimen Depth m	118	126	128	138	153	169	170	180	187	Total PCB
	Depth, m			Type		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	No.	From	To			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-17 (0.0-0.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-17 (0.9-1.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-17 (1.9-2.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-17 (2.9-5.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-9 (0.0-0.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-9 (0.9-1.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(0.0-0.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(1.9-2.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(2.9-5.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33B(2.9-5.9m)+VC- 33B marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33B(5.9-8.9m)+VC- 33B marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

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

**QUALITY CONTROL REPORT**

Report No. : 106777N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No : 21084, 21126, 21129, 21174

**QC Results****1.1 Sample Duplicate**

Customer Ref.	Sample				Batch	8	18	28	44	52	66	77	101	105
	Depth, m			Type		Specimen Depth m	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%
21084/1	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	na*	na*
21126/14	N/A	N/A	N/A		N/A	2	na*	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	3	na*	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	4	na*	na*	na*	na*	na*	na*	na*	na*
Control Limit						+/- 30% of the mean								

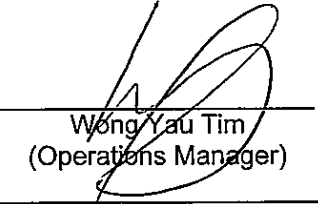
**1.2 Sample Spike (Spike Level = 1 ug)**

Customer Ref.	Sample				Batch	8	18	28	44	52	66	77	101	105	
	Depth, m			Type		Specimen Depth m	%	%	%	%	%	%	%	%	
	No.	From	To				%	%	%	%	%	%	%		
Elutriate VC-37(0.0-0.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	1	106	100	100	99	108	105	82	119	102
21126/14	N/A	N/A	N/A		N/A	2	111	110	114	94	102	104	88	101	104
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	3	96	118	105	84	96	94	87	95	96
Elutriate VC-17(0.0-0.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	4	98	96	112	86	100	100	84	84	81
Control Limit						70-130 %									

## Notes :

- 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: 18 Sept. 2008



**QUALITY CONTROL REPORT**

Report No. : 106777N(1)  
 Project Name : Ground Investigations Works for installation of Submarine Gas Pipeline and Associated Facilities from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No : 21084, 21126, 21129, 21174

**QC Results**

**1.1 Sample Duplicate**

Customer Ref. Drillhole No.	Sample				Batch	8	18	28	44	52	66	77	101	105
	Depth, m			Type Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To			%	%	%	%	%	%	%	%	
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	5	na*	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	6	na*	na*	na*	na*	na*	na*	na*	na*
Control Limit						+/- 30% of the mean								

**1.2 Sample Spike (Spike Level = 1 ug)**

Customer Ref. Drillhole No.	Sample				Batch	8	18	28	44	52	66	77	101	105	
	Depth, m			Type Specimen Depth m		%	%	%	%	%	%	%	%	%	
	No.	From	To			%	%	%	%	%	%	%			
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	5	98	117	100	88	107	84	81	112	96
Elutriate VC-1A(1.9-2.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	6	108	97	90	90	89	96	93	102	82
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.** : 106777N(1)  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited

**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174

**QC Results****2.1 Sample Duplicate**

Customer Ref. Drillhole No.	Sample					Batch	118	126	128	138	153	169	170	180	187
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%	%
21084/1	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	na*	na*	
21126/14	N/A	N/A	N/A		N/A	2	na*	na*	na*	na*	na*	na*	na*	na*	
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	3	na*	na*	na*	na*	na*	na*	na*	na*	
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	4	na*	na*	na*	na*	na*	na*	na*	na*	
Control Limit						+/- 30% of the mean									

**2.2 Sample Spike (Spike Level = 1 ug)**

Customer Ref. Drillhole No.	Sample					Batch	118	126	128	138	153	169	170	180	187
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%	
Elutriate VC-37(0.0-0.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	1	97	101	106	84	92	92	78	98	
21126/14	N/A	N/A	N/A		N/A	2	103	108	109	89	100	89	105	109	
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	3	88	114	84	89	99	92	90	92	
Elutriate VC-17(0.0-0.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	4	75	78	92	80	100	83	86	94	
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. : 106777N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****2.1 Sample Duplicate**

Customer Ref.	Sample					Batch	118	126	128	138	153	169	170	180	187
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%	%
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	5	na*	na*	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	6	na*	na*	na*	na*	na*	na*	na*	na*	na*
Control Limit							+/- 30% of the mean								

**2.2 Sample Spike (Spike Level = 1 ug)**

Customer Ref.	Sample					Batch	118	126	128	138	153	169	170	180	187
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%	
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	5	98	108	83	76	93	78	78	78	81
Elutriate VC-1A(1.9-2.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	6	87	84	91	96	91	91	91	89	91
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. : 106777N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****1.3 QC Sample (Spike Level = 1 ug)**

Customer Ref. Drillhole No.	Sample				Batch	8	18	28	44	52	66	77	101	105	
	Depth, m			Type		Specimen Depth m	%	%	%	%	%	%	%	%	
	No.	From	To				%	%	%	%	%	%	%		
LCS	N/A	N/A	N/A		N/A	1	97	94	93	103	102	92	82	103	114
LCS	N/A	N/A	N/A		N/A	2	103	107	119	90	94	107	86	109	116
LCS	N/A	N/A	N/A		N/A	3	107	113	91	91	92	98	97	99	98
LCS	N/A	N/A	N/A		N/A	4	97	109	101	92	93	93	83	109	103
Control Limit						70-130 %									

**1.4 Method Blank**

Customer Ref. Drillhole No.	Sample				Batch	8	18	28	44	52	66	77	101	105	
	Depth, m			Type		Specimen Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
	No.	From	To				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L			
N/A	N/A	N/A	N/A		N/A	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
N/A	N/A	N/A	N/A		N/A	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
N/A	N/A	N/A	N/A		N/A	3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
N/A	N/A	N/A	N/A		N/A	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Control Limit						Less than reporting limit									

Notes :

1. LCS = Laboratory Control Sample

**QUALITY CONTROL REPORT**

Report No. : 106777N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****1.3 QC Sample (Spike Level = 1 ug)**

Customer Ref.	Sample					Batch	8	18	28	44	52	66	77	101	105
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To												
LCS	N/A	N/A	N/A		N/A	5	86	115	95	105	108	91	85	87	85
LCS	N/A	N/A	N/A		N/A	6	100	95	93	87	91	94	95	96	90
Control Limit							70-130 %								

**1.4 Method Blank**

Customer Ref.	Sample					Batch	8	18	28	44	52	66	77	101	105
	Depth, m			Type	Specimen Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	No.	From	To												
N/A	N/A	N/A	N/A		N/A	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N/A	N/A	N/A	N/A		N/A	6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Control Limit							Less than reporting limit								

Notes :

1. LCS = Laboratory Control Sample

**QUALITY CONTROL REPORT**

Report No. : 106777N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****2.3 QC Sample (Spike Level = 1 ug)**

Customer Ref.	Sample					Batch	118	126	128	138	153	169	170	180	187
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%	
LCS	N/A	N/A	N/A		N/A	1	106	116	119	93	101	105	105	87	111
LCS	N/A	N/A	N/A		N/A	2	116	114	115	90	102	101	101	108	113
LCS	N/A	N/A	N/A		N/A	3	92	112	90	84	90	82	82	86	97
LCS	N/A	N/A	N/A		N/A	4	96	111	99	79	96	83	83	88	106
Control Limit							70-130 %								

**2.4 Method Blank**

Customer Ref.	Sample					Batch	118	126	128	138	153	169	170	180	187
	Depth, m			Type	Specimen Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	No.	From	To				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
N/A	N/A	N/A	N/A		N/A	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N/A	N/A	N/A	N/A		N/A	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N/A	N/A	N/A	N/A		N/A	3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N/A	N/A	N/A	N/A		N/A	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Control Limit							Less than reporting limit								

**Notes :**

1. LCS = Laboratory Control Sample

**QUALITY CONTROL REPORT**

Report No. : 106777N(1)  
 Project Name : Ground Investigations Works for installation of Submarine Gas Pipeline and Associated Facilities from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results**

**2.3 QC Sample (Spike Level = 1 ug)**

Customer Ref.	Sample					Batch	118	126	128	138	153	169	170	180	187
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	5	81	106	95	78	83	81	81	76	95
LCS	N/A	N/A	N/A		N/A	6	86	83	91	90	96	90	90	86	88
Control Limit						70-130 %									

**2.4 Method Blank**

Customer Ref.	Sample					Batch	118	126	128	138	153	169	170	180	187
	Depth, m			Type	Specimen Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	No.	From	To				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N/A	N/A	N/A	N/A		N/A	6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Control Limit						Less than reporting limit									

Notes :

1. LCS = Laboratory Control Sample



TBT



**TEST REPORT**

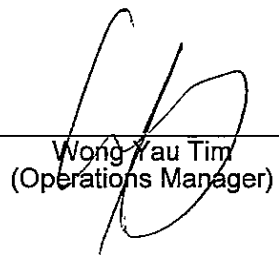
**Report No.** : 106783N  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited  
**Address** : 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.  
**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174  
**Sample Description** : 18 liquid samples said to be saline water  
**Sample Receipt Date** : 18 June 2008 - 24 July 2008  
**Test Period** : 23 June 2008 - 7 August 2008

**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:

25 Aug. 2008

**TEST REPORT**

**Report No.** : 106783N  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited

**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				TBT ug TBT / L	
	Depth, m			Type		Specimen Depth m
	No.	From	To			
VC-37	N/A	N/A	N/A		N/A	<0.015
VC-23	N/A	N/A	N/A		N/A	<0.015
VC-21	N/A	N/A	N/A		N/A	<0.015
VC-33	N/A	N/A	N/A		N/A	<0.015
VC-35	N/A	N/A	N/A		N/A	<0.015
VC-31	N/A	N/A	N/A		N/A	<0.015
VC-15	N/A	N/A	N/A		N/A	<0.015
VC-17	N/A	N/A	N/A		N/A	<0.015
VC-9	N/A	N/A	N/A		N/A	<0.015
VC-19	N/A	N/A	N/A		N/A	<0.015
VC-13	N/A	N/A	N/A		N/A	<0.015
VC-11	N/A	N/A	N/A		N/A	<0.015
VC-7	N/A	N/A	N/A		N/A	<0.015
VC-5	N/A	N/A	N/A		N/A	<0.015
VC-1	N/A	N/A	N/A		N/A	<0.015
VC-3	N/A	N/A	N/A		N/A	<0.015
VC-33B	N/A	N/A	N/A		N/A	<0.015
VC-1A	N/A	N/A	N/A		N/A	<0.015

---- End of Report ----

**QUALITY CONTROL REPORT**

Report No. : 106783N  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample					Batch	TBT %
	Depth, m			Type	Specimen Depth m		
	No.	From	To				
VC-37	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. Drillhole No.	Sample					Batch	TBT %
	Depth, m			Type	Specimen Depth m		
	No.	From	To				
VC-23	N/A	N/A	N/A		N/A	1	94
Control Limit							70-130 %

## Notes :

- 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:

25 Aug. 2008

**QUALITY CONTROL REPORT**

Report No. : 106783N  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref.	Sample					Batch	TBT
Drillhole No.	Depth, m			Type	Specimen Depth m		%
	No.	From	To				
LCS	N/A	N/A	N/A		N/A	1	81
Control Limit							70 - 130 %

**1.4 Method Blank**

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

**Notes :**

1. LCS = Laboratory Control Sample

**TEST REPORT**

**Report No.** : 106779N(1)  
**Project Name** : Ground Investigations Works for installation of  
Submarine Gas Pipeline and Associated Facilities  
from Ma Tau Kok to North Point for Former Kai Tak Airport  
**Customer** : Gammon Construction Limited  
**Address** : 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.

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**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174  
**Sample Description** : 73 elutriate samples said to be saline water  
**Sample Receipt Date** : 18 June 2008 - 24 July 2008  
**Test Period** : 23 June 2008 - 7 August 2008


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**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.
  6. The elutriate samples were prepared according to contract agreed procedure.
  7. This report supersedes the one, 106779N, dated 25/8/2008.

Authorized Signatory :

  
Wong Yau Tim  
(Operations Manager)

Issue Date:

18 Sept. 2008

TEST REPORT

Report No. : 106779N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

Test Results

Customer Ref. Drillhole No.	Sample				Specimen Depth m	TBT ug TBT / L
	Depth, m			Type		
	No.	From	To			
Elutriate VC-37(0.0-0.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-37(0.9-1.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-37(1.9-2.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-37(2.9-5.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-37(5.9-8.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-35(0.0-0.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-35(0.9-1.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-35(1.9-2.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-35(2.9-5.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-35(5.9-8.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-31(0.0-0.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-31(0.9-1.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-31(1.9-2.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-31(2.9-5.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-31(5.9-8.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-21(0.0-0.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-21(0.9-1.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-21(2.9-5.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-33(0.0-0.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.015

**TEST REPORT**

Report No. : 106779N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				TBT ug TBT / L	
	Depth, m			Type		Specimen Depth m
	No.	From	To			
Elutriate VC-33(0.9-1.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-33(1.9-2.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-23(0.0-0.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-23(0.9-1.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-23(1.9-2.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-23(2.9-5.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-23(5.9-8.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-3(0.0-0.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-3(0.9-1.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-3(1.9-2.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-3(2.9-5.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-5(0.0-0.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-5(0.9-1.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-5(1.9-2.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-5(2.9-5.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1(0.0-0.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1(0.9-1.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1(1.9-2.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1(2.9-5.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-11(0.0-0.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.015

TEST REPORT

Report No. : 106779N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				TBT ug TBT / L	
	Depth, m			Type		Specimen Depth m
	No.	From	To			
Elutriate VC-11(0.9-1.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-11(1.9-2.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-7(0.9-1.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-7(1.9-2.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-7(2.9-5.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-9 (1.9-2.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-9 (2.9-5.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-19(0.0-0.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-19(0.9-1.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-19(1.9-2.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-19(2.9-5.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-13(0.0-0.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-13(0.9-1.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-13(1.9-2.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-13(2.9-5.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-15(0.0-0.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-15(0.9-1.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-15(1.9-2.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.015



TEST REPORT

**Report No.** : 106779N(1)  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited

**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				Specimen Depth m	TBT ug TBT / L
	Depth, m			Type		
	No.	From	To			
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-17 (0.0-0.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-17 (0.9-1.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-17 (1.9-2.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-17 (2.9-5.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-9 (0.0-0.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-9 (0.9-1.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1A(0.0-0.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1A(1.9-2.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1A(2.9-5.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-33B(2.9-5.9m)+VC-33B marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-33B(5.9-8.9m)+VC-33B marine water	N/A	N/A	N/A		N/A	<0.015

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

**QUALITY CONTROL REPORT**

Report No. : 106779N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

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

Customer Ref. Drillhole No.	Sample				Batch	TBT %	
	Depth, m			Type			Specimen Depth m
	No.	From	To				
Elutriate VC-37(0.0-0.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	1	na*
Elutriate VC-35(2.9-5.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	2	na*
Elutriate VC-19(0.9-1.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	3	na*
Elutriate VC-1(0.9-1.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	4	na*
Control Limit							+/- 30% of the mean

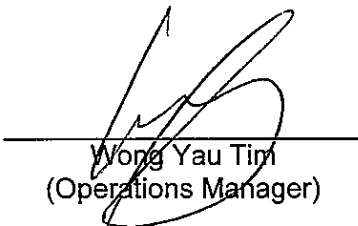
**1.2 Sample Spike (Spike Level = 50 ng)**

Customer Ref. Drillhole No.	Sample				Batch	TBT %	
	Depth, m			Type			Specimen Depth m
	No.	From	To				
Elutriate VC-37(0.9-1.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	1	92
Elutriate VC-35(5.9-8.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	2	92
Elutriate VC-19(1.9-2.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	3	71
Elutriate VC-1(1.9-2.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	4	95
Control Limit							70-130 %

## Notes :

- 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:

18 Sept. 2008

**QUALITY CONTROL REPORT**

**Report No.** : 106779N(1)  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited

**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174

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

Customer Ref.	Sample					Batch	TBT
Drillhole No.	Depth, m			Type	Specimen Depth m		%
	No.	From	To				
LCS	N/A	N/A	N/A		N/A	1	99
LCS	N/A	N/A	N/A		N/A	2	100
LCS	N/A	N/A	N/A		N/A	3	114
LCS	N/A	N/A	N/A		N/A	4	101
Control Limit							70 - 130 %

**1.4 Method Blank**

Customer Ref.	Sample					Batch	TBT
Drillhole No.	Depth, m			Type	Specimen Depth m		ug TBT / L
	No.	From	To				
N/A	N/A	N/A	N/A		N/A	1	<0.015
N/A	N/A	N/A	N/A		N/A	2	<0.015
N/A	N/A	N/A	N/A		N/A	3	<0.015
N/A	N/A	N/A	N/A		N/A	4	<0.015
Control Limit							Less than reporting limit

Notes :

1. LCS = Laboratory Control Sample



## Chlorinated Pesticides

**TEST REPORT**

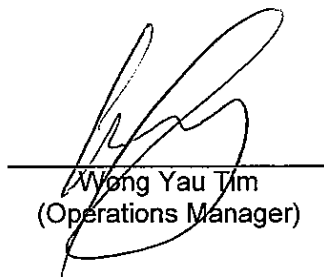
**Report No.** : 106782N  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited  
**Address** : 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.  
**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174  
**Sample Description** : 18 liquid samples said to be saline water  
**Sample Receipt Date** : 18 June 2008 - 24 July 2008  
**Test Period** : 23 June 2008 - 7 August 2008

**Test Information**

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
A-BHC	Alpha-BHC	0.10	W/O/Pesticide
B-BHC	Beta-BHC	0.10	W/O/Pesticide
G-BHC	Gamma BHC	0.10	W/O/Pesticide
D-BHC	Delta-BHC	0.10	W/O/Pesticide
Htc	Heptachlor	0.10	W/O/Pesticide
Arn	Aldrin	0.10	W/O/Pesticide
HE	Heptachlor epoxide	0.10	W/O/Pesticide
Esf1	Endosulfan 1	0.10	W/O/Pesticide
DDT	p,p'-DDT	0.10	W/O/Pesticide
DDD	p,p'-DDD	0.10	W/O/Pesticide
DDE	p,p'-DDE	0.10	W/O/Pesticide
Es	Endosulfan sulfate	0.10	W/O/Pesticide

- 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. < = less than
  4. N/A = Not applicable
  5. Test results satisfy all in-house QA/QC protocols as attached.
  6. Test description (for in-house methods only) as follows:  
W/O/Pesticide: Solvent extraction and GC-MS Quantification.

Authorized Signatory :

  
 Wong Yau Tim  
 (Operations Manager)

Issue Date: 25 Aug. 2008

**TEST REPORT**

Report No. : 106782N  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				A-BHC ug/L	B-BHC ug/L	G-BHC ug/L	D-BHC ug/L	Htc ug/L	Am ug/L	HE ug/L	
	Depth, m			Type								Specimen Depth m
	No.	From	To									
VC-37	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-23	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-21	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-33	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-35	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-31	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-15	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-17	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-9	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-19	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-13	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-11	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-7	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-5	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-1	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-3	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-33B	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
VC-1A	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	

TEST REPORT

Report No. : 106782N  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				Esf1 ug/L	DDT ug/L	DDD ug/L	DDE ug/L	Es ug/L	
	Depth, m			Type Specimen Depth m						
	No.	From	To							
VC-37	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-23	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-21	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-33	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-35	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-31	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-15	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-17	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-9	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-19	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-13	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-11	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-7	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-5	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-1	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-3	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-33B	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-1A	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10

— End of Report —

**QUALITY CONTROL REPORT**

Report No. : 106782N  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****1.1 Sample Duplicate**

Customer Ref. Drillhole No.	Sample				Batch	A-BHC	B-BHC	G-BHC	D-BHC	Htc	Arn	HE	
	Depth, m			Type		Specimen Depth m	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%
VC-37	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	
Control Limit						+/- 30% of the mean							

**1.2 Sample Spike (Spike Level = 1 ug)**

Customer Ref. Drillhole No.	Sample				Batch	A-BHC	B-BHC	G-BHC	D-BHC	Htc	Arn	HE	
	Depth, m			Type		Specimen Depth m	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	112	115	103	110	104	112	109
Control Limit						70-130 %							

**Notes :**

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

Authorized Signatory :

  
 Wong Yau Tim  
 (Operations Manager)

Issue Date: : 25 Aug. 2008



**QUALITY CONTROL REPORT**

**Report No.** : 106782N  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited

**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174

**QC Results****1.3 Sample Duplicate**

Customer Ref. Drillhole No.	Sample					Batch	Esf1 %	DDT %	DDD %	DDE %	Es %
	Depth, m			Type	Specimen Depth m						
	No.	From	To								
VC-37	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*
Control Limit							+/- 30% of the mean				

**1.4 Sample Spike (Spike Level = 1 ug)**

Customer Ref. Drillhole No.	Sample					Batch	Esf1 %	DDT %	DDD %	DDE %	Es %
	Depth, m			Type	Specimen Depth m						
	No.	From	To								
LCS	N/A	N/A	N/A		N/A	1	108	86	106	106	101
Control Limit							70-130 %				

**Notes :**

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

**QUALITY CONTROL REPORT**

**Report No.** : 106782N  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited

**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174

**QC Results****1.3 QC Sample (Spike Level = 1 ug)**

Customer Ref. Drillhole No.	Sample					Batch	A-BHC	B-BHC	G-BHC	D-BHC	Htc	Arn	HE
	Depth, m			Type	Specimen		%	%	%	%	%	%	%
	No.	From	To		Depth m								
LCS	N/A	N/A	N/A		N/A	1	97	101	89	98	93	99	95
Control Limit							70 - 130 %						

**1.4 Method Blank**

Customer Ref. Drillhole No.	Sample					Batch	A-BHC	B-BHC	G-BHC	D-BHC	Htc	Arn	HE
	Depth, m			Type	Specimen		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	No.	From	To		Depth m								
N/A	N/A	N/A	N/A		N/A	1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Control Limit							70-130 %						

## Notes :

1. LCS = Laboratory Control Sample

**QUALITY CONTROL REPORT**

Report No. : 106782N  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****2.3 QC Sample (Spike Level = 1 ug)**

Customer Ref. Drillhole No.	Sample					Batch	Esf1 %	DDT %	DDD %	DDE %	Es %
	Depth, m			Type	Specimen Depth m						
	No.	From	To								
LCS	N/A	N/A	N/A		N/A	1	96	80	95	96	92
Control Limit							70 - 130 %				

**2.4 Method Blank**

Customer Ref. Drillhole No.	Sample					Batch	Esf1 ug/L	DDT ug/L	DDD ug/L	DDE ug/L	Es ug/L
	Depth, m			Type	Specimen Depth m						
	No.	From	To								
N/A	N/A	N/A	N/A		N/A	1	<0.10	<0.10	<0.10	<0.10	<0.10
Control Limit							Less than reporting limit				

Notes :

1. LCS = Laboratory Control Sample

**TEST REPORT**

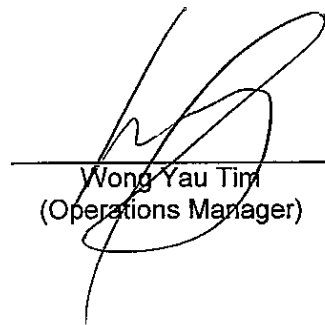
**Report No.** : 106778N(1)  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited  
**Address** : 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.  
**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174  
**Sample Description** : 73 elutriate samples said to be saline water  
**Sample Receipt Date** : 18 June 2008 - 24 July 2008  
**Test Period** : 23 June 2008 - 7 August 2008

**Test Information**

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
A-BHC	Alpha-BHC	0.10	W/O/Pesticide
B-BHC	Beta-BHC	0.10	W/O/Pesticide
G-BHC	Gamma BHC	0.10	W/O/Pesticide
D-BHC	Delta-BHC	0.10	W/O/Pesticide
Htc	Heptachlor	0.10	W/O/Pesticide
Arn	Aldrin	0.10	W/O/Pesticide
HE	Heptachlor epoxide	0.10	W/O/Pesticide
Esf1	Endosulfan 1	0.10	W/O/Pesticide
DDT	p,p'-DDT	0.10	W/O/Pesticide
DDD	p,p'-DDD	0.10	W/O/Pesticide
DDE	p,p'-DDE	0.10	W/O/Pesticide
Es	Endosulfan sulfate	0.10	W/O/Pesticide

- Notes :
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  2. Results relate to samples as received.
  3. < = less than
  4. N/A = Not applicable
  5. Test results satisfy all in-house QA/QC protocols as attached.
  6. Test description (for in-house methods only) as follows:  
W/O/Pesticide: Solvent extraction and GC-MS Quantification.
  7. The elutriate samples were prepared according to contract agreed procedure.
  8. This report supersedes the one, 106778N, dated 25/8/2008.

Authorized Signatory :



Wong Yau Tim  
(Operations Manager)

Issue Date: 18 Sept. 2008

**TEST REPORT**

**Report No.** : 106778N(1)  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited

**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				A-BHC ug/L	B-BHC ug/L	G-BHC ug/L	D-BHC ug/L	Htc ug/L	Arn ug/L	HE ug/L	
	Depth, m			Type								Specimen Depth m
	No.	From	To									
Elutriate VC-37(0.0-0.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-37(0.9-1.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-37(1.9-2.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-37(2.9-5.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-37(5.9-8.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-35(0.0-0.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-35(0.9-1.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-35(1.9-2.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-35(2.9-5.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-35(5.9-8.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-31(0.0-0.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-31(0.9-1.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-31(1.9-2.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-31(2.9-5.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-31(5.9-8.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-21(0.0-0.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-21(0.9-1.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-21(2.9-5.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-33(0.0-0.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	

**TEST REPORT**

Report No. : 106778N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				A-BHC ug/L	B-BHC ug/L	G-BHC ug/L	D-BHC ug/L	Htc ug/L	Am ug/L	HE ug/L
	Depth, m			Type Specimen Depth m							
	No.	From	To								
Elutriate VC-33(0.9-1.9m)+VC-33 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33(1.9-2.9m)+VC-33 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(0.0-0.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(0.9-1.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(1.9-2.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(2.9-5.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(5.9-8.9m)+VC-23 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(0.0-0.9m)+VC-3 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(0.9-1.9m)+VC-3 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(1.9-2.9m)+VC-3 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(2.9-5.9m)+VC-3 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(0.0-0.9m)+VC-5 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(0.9-1.9m)+VC-5 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(1.9-2.9m)+VC-5 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(2.9-5.9m)+VC-5 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(0.0-0.9m)+VC-1 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(0.9-1.9m)+VC-1 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(1.9-2.9m)+VC-1 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(2.9-5.9m)+VC-1 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-11(0.0-0.9m)+VC-11 marine water	N/A	N/A	N/A	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

TEST REPORT

Report No. : 106778N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample					A-BHC ug/L	B-BHC ug/L	G-BHC ug/L	D-BHC ug/L	Htc ug/L	Am ug/L	HE ug/L
	Depth, m			Type	Specimen Depth m							
	No.	From	To									
Elutriate VC-11(0.9-1.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-11(1.9-2.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(0.9-1.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(1.9-2.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(2.9-5.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (1.9-2.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (2.9-5.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(0.0-0.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(0.9-1.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(1.9-2.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(2.9-5.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(0.0-0.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(0.9-1.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(1.9-2.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(2.9-5.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-15(0.0-0.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-15(0.9-1.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-15(1.9-2.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

**TEST REPORT**

Report No. : 106778N(1)  
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Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample					A-BHC ug/L	B-BHC ug/L	G-BHC ug/L	D-BHC ug/L	Htc ug/L	Am ug/L	HE ug/L
	Depth, m			Type	Specimen Depth m							
	No.	From	To									
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (0.0-0.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (0.9-1.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (1.9-2.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (2.9-5.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (0.0-0.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (0.9-1.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(0.0-0.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(1.9-2.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(2.9-5.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33B(2.9-5.9m)+VC-33B marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33B(5.9-8.9m)+VC-33B marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10



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Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				Esf1 ug/L	DDT ug/L	DDD ug/L	DDE ug/L	Es ug/L	
	Depth, m			Type						Specimen Depth m
	No.	From	To							
Elutriate VC-37(0.0-0.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-37(0.9-1.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-37(1.9-2.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-37(2.9-5.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-37(5.9-8.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-35(0.0-0.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-35(0.9-1.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-35(1.9-2.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-35(2.9-5.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-35(5.9-8.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-31(0.0-0.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-31(0.9-1.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-31(1.9-2.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-31(2.9-5.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-31(5.9-8.9m)+VC-31 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-21(0.0-0.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-21(0.9-1.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-21(2.9-5.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	
Elutriate VC-33(0.0-0.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	

**TEST REPORT**

Report No. : 106778N(1)  
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Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**Test Results**

Customer Ref. Drillhole No.	Sample				Esf1 ug/L	DDT ug/L	DDD ug/L	DDE ug/L	Es ug/L	
	Depth, m			Type						Specimen Depth m
	No.	From	To							
Elutriate VC-33(0.9-1.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33(1.9-2.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(0.0-0.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(0.9-1.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(1.9-2.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(2.9-5.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(5.9-8.9m)+VC-23 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(0.0-0.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(0.9-1.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(1.9-2.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(2.9-5.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(0.0-0.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(0.9-1.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(1.9-2.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(2.9-5.9m)+VC-5 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(0.0-0.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(0.9-1.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(1.9-2.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(2.9-5.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-11(0.0-0.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10

**TEST REPORT**

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**Test Results**

Customer Ref. Drillhole No.	Sample				Esf1 ug/L	DDT ug/L	DDD ug/L	DDE ug/L	Es ug/L	
	Depth, m			Type Specimen Depth m						
	No.	From	To							
Elutriate VC-11(0.9-1.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-11(1.9-2.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(0.9-1.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(1.9-2.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(2.9-5.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (1.9-2.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (2.9-5.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(0.0-0.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(0.9-1.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(1.9-2.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(2.9-5.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(0.0-0.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(0.9-1.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(1.9-2.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(2.9-5.9m)+VC-13 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-15(0.0-0.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-15(0.9-1.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-15(1.9-2.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10

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Customer Ref. Drillhole No.	Sample				Esf1 ug/L	DDT ug/L	DDD ug/L	DDE ug/L	Es ug/L	
	Depth, m			Type Specimen Depth m						
	No.	From	To							
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (0.0-0.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (0.9-1.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (1.9-2.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (2.9-5.9m)+VC-17 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (0.0-0.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (0.9-1.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(0.0-0.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(1.9-2.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(2.9-5.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33B(2.9-5.9m)+VC-33B marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33B(5.9-8.9m)+VC-33B marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10

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

**QUALITY CONTROL REPORT**

Report No. : 106778N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****1.1 Sample Duplicate**

Customer Ref. Drillhole No.	Sample					Batch	A-BHC	B-BHC	G-BHC	D-BHC	Htc	Arn	HE
	Depth, m			Type	Specimen		%	%	%	%	%	%	%
	No.	From	To		Depth m								
21084/1	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	na*
21126/14	N/A	N/A	N/A		N/A	2	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	3	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	4	na*	na*	na*	na*	na*	na*	na*
Control Limit							+/- 30% of the mean						

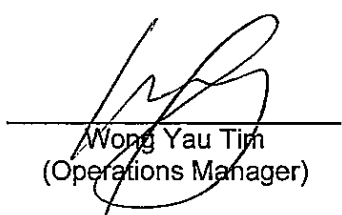
**1.2 Sample Spike (Spike Level = 1 ug)**

Customer Ref. Drillhole No.	Sample					Batch	A-BHC	B-BHC	G-BHC	D-BHC	Htc	Arn	HE
	Depth, m			Type	Specimen		%	%	%	%	%	%	%
	No.	From	To		Depth m								
LCS	N/A	N/A	N/A		N/A	1	116	120	112	118	109	118	116
LCS	N/A	N/A	N/A		N/A	2	112	115	103	110	104	112	109
LCS	N/A	N/A	N/A		N/A	3	115	119	107	113	104	116	111
LCS	N/A	N/A	N/A		N/A	4	115	119	108	116	104	117	115
Control Limit							70-130 %						

**Notes :**

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

Authorized Signatory :

  
 Wong Yau Tim  
 (Operations Manager)

Issue Date: : 18 Sept. 2008

**QUALITY CONTROL REPORT**

Report No. : 106778N(1)  
 Project Name : Ground Investigations Works for installation of Submarine Gas Pipeline and Associated Facilities from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results**

**1.1 Sample Duplicate**

Customer Ref. Drillhole No.	Sample					Batch	A-BHC	B-BHC	G-BHC	D-BHC	Htc	Arn	HE
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	5	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	6	na*	na*	na*	na*	na*	na*	na*
Control Limit							+/- 30% of the mean						

**1.2 Sample Spike (Spike Level = 1 ug)**

Customer Ref. Drillhole No.	Sample					Batch	A-BHC	B-BHC	G-BHC	D-BHC	Htc	Arn	HE
	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	
LCS	N/A	N/A	N/A		N/A	5	120	113	117	111	101	118	118
LCS	N/A	N/A	N/A		N/A	6	102	106	106	113	93	109	112
Control Limit							70-130 %						

Notes :

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

**QUALITY CONTROL REPORT**

**Report No.** : 106778N(1)  
**Project Name** : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
**Customer** : Gammon Construction Limited

**Lab Job No.** : J656  
**Lab Sample No.** : 21084, 21126, 21129, 21174

**QC Results****1.3 Sample Duplicate**

Customer Ref. Drillhole No.	Sample					Batch	Esf1 %	DDT %	DDD %	DDE %	Es %
	Depth, m			Type	Specimen Depth m						
	No.	From	To								
21084/1	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*
21126/14	N/A	N/A	N/A		N/A	2	na*	na*	na*	na*	na*
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	3	na*	na*	na*	na*	na*
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	4	na*	na*	na*	na*	na*
Control Limit							+/- 30% of the mean				

**1.4 Sample Spike (Spike Level = 1 ug)**

Customer Ref. Drillhole No.	Sample					Batch	Esf1 %	DDT %	DDD %	DDE %	Es %
	Depth, m			Type	Specimen Depth m						
	No.	From	To								
LCS	N/A	N/A	N/A		N/A	1	116	95	107	110	104
LCS	N/A	N/A	N/A		N/A	2	108	86	106	106	101
LCS	N/A	N/A	N/A		N/A	3	110	90	106	109	102
LCS	N/A	N/A	N/A		N/A	4	112	91	106	109	107
Control Limit							70-130 %				

**Notes :**

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

**QUALITY CONTROL REPORT**

Report No. : 106778N(1)  
 Project Name : Ground Investigations Works for installation of  
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 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****1.3 Sample Duplicate**

Customer Ref. Drillhole No.	Sample					Batch	Esf1 %	DDT %	DDD %	DDE %	Es %
	Depth, m			Type	Specimen Depth m						
	No.	From	To								
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	5	na*	na*	na*	na*	na*
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	6	na*	na*	na*	na*	na*
Control Limit							+/- 30% of the mean				

**1.4 Sample Spike (Spike Level = 1 ug)**

Customer Ref. Drillhole No.	Sample					Batch	Esf1 %	DDT %	DDD %	DDE %	Es %
	Depth, m			Type	Specimen Depth m						
	No.	From	To								
LCS	N/A	N/A	N/A		N/A	5	118	93	113	114	113
LCS	N/A	N/A	N/A		N/A	6	119	118	120	111	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.
2. LCS = Laboratory Control Sample



**QUALITY CONTROL REPORT**

Report No. : 106778N(1)  
 Project Name : Ground Investigations Works for installation of  
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 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****1.3 QC Sample (Spike Level = 1 ug)**

Customer Ref.	Sample					Batch	A-BHC	B-BHC	G-BHC	D-BHC	Htc	Am	HE
Drillhole No.	Depth, m			Type	Specimen Depth m		%	%	%	%	%	%	%
	No.	From	To										
LCS	N/A	N/A	N/A		N/A	1	102	106	100	104	97	107	102
LCS	N/A	N/A	N/A		N/A	2	97	101	89	98	93	99	95
LCS	N/A	N/A	N/A		N/A	3	100	104	92	100	93	101	98
LCS	N/A	N/A	N/A		N/A	4	101	104	93	101	96	103	99
Control Limit							70 - 130 %						

**1.4 Method Blank**

Customer Ref.	Sample					Batch	A-BHC	B-BHC	G-BHC	D-BHC	Htc	Am	HE
Drillhole No.	Depth, m			Type	Specimen Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	No.	From	To										
N/A	N/A	N/A	N/A		N/A	1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Control Limit							70-130 %						

Notes :

1. LCS = Laboratory Control Sample

**QUALITY CONTROL REPORT**

Report No. : 106778N(1)  
 Project Name : Ground Investigations Works for installation of  
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 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****1.3 QC Sample (Spike Level = 1 ug)**

Customer Ref.	Sample				Batch	A-BHC	B-BHC	G-BHC	D-BHC	Htc	Arn	HE	
Drillhole No.	Depth, m			Type		Specimen Depth m	%	%	%	%	%	%	%
	No.	From	To				%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	5	104	109	87	106	96	102	100
LCS	N/A	N/A	N/A		N/A	6	115	119	113	116	96	110	110
Control Limit						70 - 130 %							

**1.4 Method Blank**

Customer Ref.	Sample				Batch	A-BHC	B-BHC	G-BHC	D-BHC	Htc	Arn	HE	
Drillhole No.	Depth, m			Type		Specimen Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	No.	From	To				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	6	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Control Limit						70-130 %							

Notes :

1. LCS = Laboratory Control Sample

**QUALITY CONTROL REPORT**

Report No. : 106778N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****2.3 QC Sample (Spike Level = 1 ug)**

Customer Ref. Drillhole No.	Sample Depth, m			Type	Specimen Depth m	Batch	Esf1 %	DDT %	DDD %	DDE %	Es %
	No.	From	To								
LCS	N/A	N/A	N/A		N/A	1	99	87	96	98	94
LCS	N/A	N/A	N/A		N/A	2	96	80	95	96	92
LCS	N/A	N/A	N/A		N/A	3	97	82	96	96	93
LCS	N/A	N/A	N/A		N/A	4	97	85	94	96	92
Control Limit							70 - 130 %				

**2.4 Method Blank**

Customer Ref. Drillhole No.	Sample Depth, m			Type	Specimen Depth m	Batch	Esf1 ug/L	DDT ug/L	DDD ug/L	DDE ug/L	Es ug/L
	No.	From	To								
N/A	N/A	N/A	N/A		N/A	1	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	2	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	3	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	4	<0.10	<0.10	<0.10	<0.10	<0.10
Control Limit							Less than reporting limit				

Notes :

1. LCS = Laboratory Control Sample

**QUALITY CONTROL REPORT**

Report No. : 106778N(1)  
 Project Name : Ground Investigations Works for installation of  
 Submarine Gas Pipeline and Associated Facilities  
 from Ma Tau Kok to North Point for Former Kai Tak Airport Development  
 Customer : Gammon Construction Limited

Lab Job No. : J656  
 Lab Sample No. : 21084, 21126, 21129, 21174

**QC Results****2.3 QC Sample (Spike Level = 1 ug)**

Customer Ref.	Sample					Batch	Esf1 %	DDT %	DDD %	DDE %	Es %
	Depth, m			Type	Specimen Depth m						
	No.	From	To								
LCS	N/A	N/A	N/A		N/A	5	100	87	96	98	98
LCS	N/A	N/A	N/A		N/A	6	119	117	118	110	116
Control Limit							70 - 130 %				

**2.4 Method Blank**

Customer Ref.	Sample					Batch	Esf1 ug/L	DDT ug/L	DDD ug/L	DDE ug/L	Es ug/L
	Depth, m			Type	Specimen Depth m						
	No.	From	To								
N/A	N/A	N/A	N/A		N/A	5	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	6	<0.10	<0.10	<0.10	<0.10	<0.10
Control Limit							Less than reporting limit				

## Notes :

1. LCS = Laboratory Control Sample