

TEST REPORT

APPLICANT: Cinotech Consultants Limited
RM 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Laboratory No.: 24456
Date of Issue: 2016-02-25
Date Received: 2016-02-19
Date Tested: 2016-02-19
Date Completed: 2016-02-25

ATTN: Ms. Betty Choi

Page: 1 of 1

Sample Description : 1 sample as received by customer said to be sediment

Project No. : IA13070

Project Name : Agreement No. CE 41/2013 (EP) Port Shelter Sewerage, Stage 3 – Sewerage Works at Po Toi O, Environmental Impact Assessment Studies – Investigation

Sampling Date : 2016-02-19

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Cadmium (Cd)	In-house method SOP053 (ICP-AES) &	0.05 mg/kg
2	Chromium (Cr)	In-house method SOP093 (digestion) (ICP-MS)	0.1 mg/kg
3	Copper (Cu)		0.2 mg/kg
4	Mercury (Hg)		0.05 mg/kg
5	Nickel (Ni)		0.2 mg/kg
6	Lead (Pb)		0.1 mg/kg
7	Silver (Ag)		0.1 mg/kg
8	Zinc (Zn)		0.2 mg/kg
9	Arsenic (As)		0.1 mg/kg

Results:

Sample ID	Po Toi O
Sample Number	24456-1
Cadmium (mg/kg)	<0.05
Chromium (mg/kg)	17
Copper (mg/kg)	13
Mercury (mg/kg)	<0.05
Nickel (mg/kg)	11
Lead (mg/kg)	23
Silver (mg/kg)	<0.1
Zinc (mg/kg)	51
Arsenic (mg/kg)	3.7

Remark: < = less than

*****END OF REPORT*****

PREPARED AND CHECKED BY:

For and On Behalf of **WELLAB Ltd.**


PATRICK TSE
Laboratory Manager

TEST REPORT

APPLICANT: Cinotech Consultants Limited
RM 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Laboratory No.:	24456A
Date of Issue:	2016-02-25
Date Received:	2016-02-19
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Date Completed:	2016-02-25

ATTN: Ms. Betty Choi

Page: 1 of 1

Sample Description : 1 sample as received by customer said to be sediment

Project No. : IA13070

Project Name : Agreement No. CE 41/2013 (EP) Port Shelter Sewerage, Stage 3 – Sewerage Works at Po Toi O, Environmental Impact Assessment Studies – Investigation

Sampling Date : 2016-02-19

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Acenaphthene	In-house method SOP090 (GC/MSD)	10 µg/kg
2	Acenaphthylene		10 µg/kg
3	Anthracene		10 µg/kg
4	Fluorene		10 µg/kg
5	Naphthalene		10 µg/kg
6	Phenanthrene		10 µg/kg

Results:

Sample ID	Po Toi O
Sample Number	24456-1
Acenaphthene, µg/kg	<10
Acenaphthylene, µg/kg	<10
Anthracene, µg/kg	<10
Fluorene, µg/kg	<10
Naphthalene, µg/kg	<10
Phenanthrene, µg/kg	<10

Remarks: 1) < = less than

2) Results reported as dry weight basis

*****END OF REPORT*****

PREPARED AND CHECKED BY:

For and On Behalf of **WELLAB Ltd.**


PATRICK TSE
Laboratory Manager

TEST REPORT

APPLICANT: Cinotech Consultants Limited
RM 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Laboratory No.: 24456B
Date of Issue: 2016-02-25
Date Received: 2016-02-19
Date Tested: 2016-02-19
Date Completed: 2016-02-25

ATTN: Ms. Betty Choi

Page: 1 of 2

Sample Description : 1 sample as received by customer said to be sediment

Project No. : IA13070

Project Name : Agreement No. CE 41/2013 (EP) Port Shelter Sewerage, Stage 3 – Sewerage Works at Po Toi O, Environmental Impact Assessment Studies – Investigation

Sampling Date : 2016-02-19

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Benzo(a)anthracene	In-house method SOP090 (GC/MSD)	10 µg/kg
2	Benzo(a)pyrene		10 µg/kg
3	Benzo(b)fluoranthene		10 µg/kg
4	Benzo(k)fluoranthene		10 µg/kg
5	Benzo(ghi)perylene		10 µg/kg
6	Chrysene		10 µg/kg
7	Dibenz(ah)anthracene		10 µg/kg
8	Fluoranthene		10 µg/kg
9	Indeno(1,2,3-cd)pyrene		10 µg/kg
10	Pyrene		10 µg/kg

PREPARED AND CHECKED BY:

For and On Behalf of **WELLAB Ltd.**


PATRICK TSE
Laboratory Manager

TEST REPORT

Laboratory No.:	24456B
Date of Issue:	2016-02-25
Date Received:	2016-02-19
Date Tested:	2016-02-19
Date Completed:	2016-02-25

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Results:

Sample ID	Po Toi O
Sample Number	24456-1
Benzo(a)anthracene (µg/kg)	<10
Benzo(a)pyrene (µg/kg)	<10
Benzo(b)fluoranthene (µg/kg)	<10
Benzo(k)fluoranthene (µg/kg)	<10
Benzo(ghi)perylene (µg/kg)	<10
Chrysene (µg/kg)	<10
Dibenz(ah)anthracene (µg/kg)	<10
Fluoranthene (µg/kg)	<10
Indeno(1,2,3-cd)pyrene (µg/kg)	<10
Pyrene (µg/kg)	<10

Remarks: 1) < = less than

2) Results reported as dry weight basis

*****END OF REPORT*****

TEST REPORT

APPLICANT: Cinotech Consultants Limited
RM 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Laboratory No.: 24456C
Date of Issue: 2016-02-25
Date Received: 2016-02-19
Date Tested: 2016-02-19
Date Completed: 2016-02-25

ATTN: Ms. Betty Choi

Page: 1 of 2

Sample Description : 1 sample as received by customer said to be sediment
Project No. : IA13070
Project Name : Agreement No. CE 41/2013 (EP) Port Shelter Sewerage, Stage 3 – Sewerage
Works at Po Toi O, Environmental Impact Assessment Studies – Investigation
Sampling Date : 2016-02-19

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	2,4'-Dichlorobiphenyl PCB8	In-house method SOP088 (GC/MSD)	2 µg/kg
2	2,2',5-Trichlorobiphenyl PCB18		2 µg/kg
3	2,4,4'-Trichlorobiphenyl PCB28		2 µg/kg
4	2,2', 3,5'-Tetrachlorobiphenyl PCB44		2 µg/kg
5	2,2', 5,5'-Tetrachlorobiphenyl PCB52		2 µg/kg
6	2,3', 4,4'-Tetrachlorobiphenyl PCB66		2 µg/kg
7	3,3', 4,4'-Tetrachlorobiphenyl PCB 77		2 µg/kg
8	2,2', 4,5,5'-Pentachlorobiphenyl PCB101		2 µg/kg
9	2,3,3', 4,4'-Pentachlorobiphenyl PCB105		2 µg/kg
10	2,3', 4,4',5-Pentachlorobiphenyl PCB118		2 µg/kg
11	3,3', 4,4',5-Pentachlorobiphenyl PCB126		2 µg/kg
12	2,2', 3,3',4,4'-Hexachlorobiphenyl PCB128		2 µg/kg
13	2,2', 3,4,4',5'-Hexachlorobiphenyl PCB138		2 µg/kg
14	2,2', 4,4',5,5'-Hexachlorobiphenyl PCB153		2 µg/kg
15	3,3', 4,4',5,5'-Hexachlorobiphenyl PCB169		2 µg/kg
16	2,2', 3,3',4,4',5-Heptachlorobiphenyl PCB170		2 µg/kg
17	2,2', 3,4,4',5,5'-Heptachlorobiphenyl PCB180		2 µg/kg
18	2,2', 3,4',5,5',6-Heptachlorobiphenyl PCB187		2 µg/kg
19	Total PCBs	Sum of item 1-18	7.2 µg/kg ⁽¹⁾

Remark: 1) Total PCBs were calculated by summation of item 1 to 18 results, method detection limits were used when values were below reporting limits

PREPARED AND CHECKED BY:

For and On Behalf of **WELLAB Ltd.**


PATRICK TSE
Laboratory Manager

TEST REPORT

Laboratory No.:	24456C
Date of Issue:	2016-02-25
Date Received:	2016-02-19
Date Tested:	2016-02-19
Date Completed:	2016-02-25

Page: 2 of 2

Results:

Sample ID	Po Toi O
Sample Number	24456-1
2,4'-Dichlorobiphenyl (µg/kg)	<2
2,2',5-Trichlorobiphenyl (µg/kg)	<2
2,4,4'-Trichlorobiphenyl (µg/kg)	<2
2,2', 3,5'-Tetrachlorobiphenyl (µg/kg)	<2
2,2', 5,5'-Tetrachlorobiphenyl (µg/kg)	<2
2,3', 4,4'-Tetrachlorobiphenyl (µg/kg)	<2
3,3', 4,4'-Tetrachlorobiphenyl (µg/kg)	<2
2,2', 4,5,5'-Pentachlorobiphenyl (µg/kg)	<2
2,3,3', 4,4'-Pentachlorobiphenyl (µg/kg)	<2
2,3', 4,4',5-Pentachlorobiphenyl (µg/kg)	<2
3,3', 4,4',5-Pentachlorobiphenyl (µg/kg)	<2
2,2', 3,3',4,4'-Hexachlorobiphenyl (µg/kg)	<2
2,2', 3,4,4',5'-Hexachlorobiphenyl (µg/kg)	<2
2,2', 4,4',5,5'-Hexachlorobiphenyl (µg/kg)	<2
3,3', 4,4',5,5'-Hexachlorobiphenyl (µg/kg)	<2
2,2', 3,3',4,4',5-Heptachlorobiphenyl (µg/kg)	<2
2,2', 3,4,4',5,5'-Heptachlorobiphenyl (µg/kg)	<2
2,2', 3,4',5,5',6-Heptachlorobiphenyl (µg/kg)	<2
Total PCBs (µg/kg)	<7.2

Remarks: 1) < = less than

2) Results reported as dry weight basis

*****END OF REPORT*****

TEST REPORT

APPLICANT: Cinotech Consultants Limited
RM 1710, Technology Park,
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Laboratory No.:	24456D
Date of Issue:	2016-02-25
Date Received:	2016-02-19
Date Tested:	2016-02-19
Date Completed:	2016-02-25

ATTN: Ms. Betty Choi

Page: 1 of 1

Sample Description : 1 sample as received by customer said to be sediment and were prepared for 1 interstitial water sample

Project No. : IA13070

Project Name : Agreement No. CE 41/2013 (EP) Port Shelter Sewerage, Stage 3 – Sewerage Works at Po Toi O, Environmental Impact Assessment Studies – Investigation

Sampling Date : 2016-02-19

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Tributyltin	In-house method SOP065 (GC/FPD)	0.01 µg/L

Results:

Sample ID	Po Toi O
Sample Number	24456-1
Tributyltin (µg/L)	<0.01

Remark: < = less than

*****END OF REPORT*****

PREPARED AND CHECKED BY:

For and On Behalf of **WELLAB Ltd.**


PATRICK TSE
Laboratory Manager