



CERTIFICATE OF ANALYSIS

Client : ERM HONG KONG
Contact : MS KAREN LUI
Address : 21/F, LINCOLN HOUSE, 979 KING'S ROAD,
TAIKOO PLACE, ISLAND EAST,
QUARRY BAY, HONG KONG
E-mail : Karen.Lui@erm.com
Telephone : +852 2271 3000
Facsimile : +852 2723 5660
Project : EM&A FOR THE PERMANENT AVIATION FUEL
FACILITY
Order number : ----
C-O-C number : ----
Site : ----

Laboratory : ALS Technichem (HK) Pty Ltd
Contact : Wong Wai Man, Alice
Address : 11/F., Chung Shun Knitting Centre,
1 - 3 Wing Yip Street,
Kwai Chung, N.T., Hong Kong
E-mail : Alice.Wong@alsenviro.com
Telephone : +852 2610 1044
Facsimile : +852 2610 2021
Quote number : ----

Page : 1 of 5
Work Order : **HK0817249**

Date received : 22-OCT-2008

Date of issue : 25-OCT-2008

No. of samples - *Received* : 74
- *Analysed* : 74

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0817249 supersedes any previous reports with this reference. The completion date of analysis is . Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0817249 : **Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

This report may not be reproduced except with prior written approval from ALS Technichem (HK) Pty Ltd.

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

<u>Signatory</u>	<u>Position</u>	<u>Authorised results for:-</u>
Fung Lim Chee, Richard	General Manager	Inorganics

ALS Laboratory Group

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

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

A Campbell Brothers Limited Company



Analytical Results

Sub-Matrix: MARINE WATER

			Compound	EA025: Suspended Solids (SS)			
			LOR Unit	1 mg/L			
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties				
MP S ME	[22-OCT-2008]	HK0817249-001	4				
MP S DUP ME	[22-OCT-2008]	HK0817249-002	4				
MP B ME	[22-OCT-2008]	HK0817249-005	4				
MP B DUP ME	[22-OCT-2008]	HK0817249-006	3				
MPB1 S ME	[22-OCT-2008]	HK0817249-007	4				
MPB1 S DUP ME	[22-OCT-2008]	HK0817249-008	4				
MPB1 M ME	[22-OCT-2008]	HK0817249-009	4				
MPB1 M DUP ME	[22-OCT-2008]	HK0817249-010	5				
MPB1 B ME	[22-OCT-2008]	HK0817249-011	6				
MPB1 B DUP ME	[22-OCT-2008]	HK0817249-012	4				
MPB2 S ME	[22-OCT-2008]	HK0817249-013	4				
MPB2 S DUP ME	[22-OCT-2008]	HK0817249-014	4				
MPB2 M ME	[22-OCT-2008]	HK0817249-015	6				
MPB2 M DUP ME	[22-OCT-2008]	HK0817249-016	4				
MPB2 B ME	[22-OCT-2008]	HK0817249-017	4				
MPB2 B DUP ME	[22-OCT-2008]	HK0817249-018	5				
IMO1 S ME	[22-OCT-2008]	HK0817249-019	4				
IMO1 S DUP ME	[22-OCT-2008]	HK0817249-020	4				
IMO1 M ME	[22-OCT-2008]	HK0817249-021	5				
IMO1 M DUP ME	[22-OCT-2008]	HK0817249-022	6				
IMO1 B ME	[22-OCT-2008]	HK0817249-023	4				
IMO1 B DUP ME	[22-OCT-2008]	HK0817249-024	4				
IMO2 S ME	[22-OCT-2008]	HK0817249-025	4				
IMO2 S DUP ME	[22-OCT-2008]	HK0817249-026	4				
IMO2 M ME	[22-OCT-2008]	HK0817249-027	4				
IMO2 M DUP ME	[22-OCT-2008]	HK0817249-028	3				
IMO2 B ME	[22-OCT-2008]	HK0817249-029	4				
IMO2 B DUP ME	[22-OCT-2008]	HK0817249-030	3				
C2 (NM5) S ME	[22-OCT-2008]	HK0817249-043	4				
C2 (NM5) S DUP ME	[22-OCT-2008]	HK0817249-044	4				
C2 (NM5) M ME	[22-OCT-2008]	HK0817249-045	5				
C2 (NM5) M DUP ME	[22-OCT-2008]	HK0817249-046	6				
C2 (NM5) B ME	[22-OCT-2008]	HK0817249-047	3				
C2 (NM5) B DUP ME	[22-OCT-2008]	HK0817249-048	3				
MP S MF	[22-OCT-2008]	HK0817249-049	3				



Sub-Matrix: MARINE WATER

			Compound				
			EA025: Suspended Solids (SS)				
			LOR Unit				
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties				
MP S DUP MF	[22-OCT-2008]	HK0817249-050	2				
MP B MF	[22-OCT-2008]	HK0817249-053	3				
MP B DUP MF	[22-OCT-2008]	HK0817249-054	3				
MPB1 S MF	[22-OCT-2008]	HK0817249-055	3				
MPB1 S DUP MF	[22-OCT-2008]	HK0817249-056	2				
MPB1 M MF	[22-OCT-2008]	HK0817249-057	4				
MPB1 M DUP MF	[22-OCT-2008]	HK0817249-058	5				
MPB1 B MF	[22-OCT-2008]	HK0817249-059	5				
MPB1 B DUP MF	[22-OCT-2008]	HK0817249-060	4				
MPB2 S MF	[22-OCT-2008]	HK0817249-061	3				
MPB2 S DUP MF	[22-OCT-2008]	HK0817249-062	2				
MPB2 M MF	[22-OCT-2008]	HK0817249-063	3				
MPB2 M DUP MF	[22-OCT-2008]	HK0817249-064	3				
MPB2 B MF	[22-OCT-2008]	HK0817249-065	3				
MPB2 B DUP MF	[22-OCT-2008]	HK0817249-066	4				
IMO1 S MF	[22-OCT-2008]	HK0817249-067	4				
IMO1 S DUP MF	[22-OCT-2008]	HK0817249-068	3				
IMO1 M MF	[22-OCT-2008]	HK0817249-069	3				
IMO1 M DUP MF	[22-OCT-2008]	HK0817249-070	3				
IMO1 B MF	[22-OCT-2008]	HK0817249-071	4				
IMO1 B DUP MF	[22-OCT-2008]	HK0817249-072	4				
IMO2 S MF	[22-OCT-2008]	HK0817249-073	2				
IMO2 S DUP MF	[22-OCT-2008]	HK0817249-074	3				
IMO2 M MF	[22-OCT-2008]	HK0817249-075	4				
IMO2 M DUP MF	[22-OCT-2008]	HK0817249-076	4				
IMO2 B MF	[22-OCT-2008]	HK0817249-077	3				
IMO2 B DUP MF	[22-OCT-2008]	HK0817249-078	3				
C1 (NM3) S MF	[22-OCT-2008]	HK0817249-091	3				
C1 (NM3) S DUP MF	[22-OCT-2008]	HK0817249-092	3				
C1 (NM3) M MF	[22-OCT-2008]	HK0817249-093	3				
C1 (NM3) M DUP MF	[22-OCT-2008]	HK0817249-094	4				
C1 (NM3) B MF	[22-OCT-2008]	HK0817249-095	3				
C1 (NM3) B DUP MF	[22-OCT-2008]	HK0817249-096	4				
C3 (NM6) S MF	[22-OCT-2008]	HK0817249-097	3				
C3 (NM6) S DUP MF	[22-OCT-2008]	HK0817249-098	3				



Sub-Matrix: MARINE WATER

			Compound				
			EA025: Suspended Solids (SS)				
			LOR Unit	1 mg/L			
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties				
C3 (NM6) M MF	[22-OCT-2008]	HK0817249-099	3				
C3 (NM6) M DUP MF	[22-OCT-2008]	HK0817249-100	3				
C3 (NM6) B MF	[22-OCT-2008]	HK0817249-101	3				
C3 (NM6) B DUP MF	[22-OCT-2008]	HK0817249-102	4				



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 794522)								
HK0817249-001	MP S ME	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK0817249-013	MPB2 S ME	EA025: Suspended Solids (SS)	----	1	mg/L	4	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 794523)								
HK0817249-023	IMO1 B ME	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK0817249-045	C2 (NM5) M ME	EA025: Suspended Solids (SS)	----	1	mg/L	5	6	18.6
EA/ED: Physical and Aggregate Properties (QC Lot: 794524)								
HK0817249-058	MPB1 M DUP MF	EA025: Suspended Solids (SS)	----	1	mg/L	5	4	0.0
HK0817249-067	IMO1 S MF	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 794525)								
HK0817249-077	IMO2 B MF	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK0817249-099	C3 (NM6) M MF	EA025: Suspended Solids (SS)	----	1	mg/L	3	4	0.0

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

Matrix: WATER			Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
						LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 794522)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	96.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 794523)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	88.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 794524)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	108	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 794525)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85	115	----	----

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

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



CERTIFICATE OF ANALYSIS

Client	: ERM HONG KONG	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 7
Contact	: MS KAREN LUI	Contact	: Wong Wai Man, Alice	Work Order	: HK0819015
Address	: 21/F, LINCOLN HOUSE, 979 KING`S ROAD, TAIKOO PLACE, ISLAND EAST, QUARRY BAY, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Karen.Lui@erm.com	E-mail	: Alice.Wong@alsenviro.com		
Telephone	: +852 2271 3000	Telephone	: +852 2610 1044		
Facsimile	: +852 2723 5660	Facsimile	: +852 2610 2021		
Project	: EM&A FOR THE PERMANENT AVIATION FUEL FACILITY	Quote number	: ----	Date Samples Received	: 12-NOV-2008
Order number	: ----			Issue Date	: 01-DEC-2008
C-O-C number	: ----			No. of samples received	: 18
Site	: ----			No. of samples analysed	: 18

General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 20-NOV-2008

Key: LOR = Limit of reporting; CAS Number = Chemistry Abstract Services number

Specific comments for Work Order: **HK0819015**

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

Water sample(s) analysed and reported on an as received basis.

This report may not be reproduced except with prior written approval from the testing laboratory.

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

Signatories

Anh Ngoc Huynh

Position

Senior Chemist

Authorised results for

Organics

ALS Laboratory Group

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

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

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

A Campbell Brothers Limited Company



Analytical Results

Sub-Matrix: MARINE WATER

Client sample ID

Client sampling date / time

Compound	CAS Number	LOR	Unit	MPB1 ME	MPB1 ME DUP	MPB2 ME	MPB2 ME DUP	MP ME
				[12-NOV-2008]	[12-NOV-2008]	[12-NOV-2008]	[12-NOV-2008]	[12-NOV-2008]
				HK0819015-001	HK0819015-002	HK0819015-003	HK0819015-004	HK0819015-005
EP-065A: PCB Single Congeners								
PCB 8	34883-43-7	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 18	37680-65-2	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 28	7012-37-5	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 52	35693-99-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 44	41464-39-5	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 66	32598-10-0	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 101	37680-73-2	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 77	32598-13-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 149	38380-04-0	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 118	31508-00-6	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 153	35065-27-1	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 105	32598-14-4	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 126	57465-28-8	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 187	52663-68-0	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 128	38380-07-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 156	38380-08-4	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 180	35065-29-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 169	60044-26-0	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 170	35065-30-6	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 195	52663-78-2	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
EP-065B: Organochlorine Pesticides								
4,4'-DDT	50-29-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
4,4'-DDE	72-55-9	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
4,4'-DDD	72-54-8	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
EP-065S: PCB Congeners and Organochlorine Pesticides Surrogate						Surrogate control limits listed at end of this report.		
Decachlorobiphenyl	2051-24-3	0.1	%	87.1	80.1	89.0	89.4	90.1



Sub-Matrix: MARINE WATER				Client sample ID	MP ME DUP	C2 (NM5) ME	C2 (NM5) ME DUP	MPB1 MF	MPB1 MF DUP
Client sampling date / time				[12-NOV-2008]	[12-NOV-2008]	[12-NOV-2008]	[12-NOV-2008]	[12-NOV-2008]	[12-NOV-2008]
Compound	CAS Number	LOR	Unit	HK0819015-006	HK0819015-007	HK0819015-008	HK0819015-009	HK0819015-010	
EP-065A: PCB Single Congeners									
PCB 8	34883-43-7	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 18	37680-65-2	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 28	7012-37-5	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 52	35693-99-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 44	41464-39-5	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 66	32598-10-0	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 101	37680-73-2	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 77	32598-13-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 149	38380-04-0	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 118	31508-00-6	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 153	35065-27-1	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 105	32598-14-4	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 126	57465-28-8	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 187	52663-68-0	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 128	38380-07-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 156	38380-08-4	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 180	35065-29-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 169	60044-26-0	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 170	35065-30-6	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 195	52663-78-2	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EP-065B: Organochlorine Pesticides									
4,4'-DDT	50-29-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,4'-DDE	72-55-9	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,4'-DDD	72-54-8	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EP-065S: PCB Congeners and Organochlorine Pesticides Surrogate							Surrogate control limits listed at end of this report.		
Decachlorobiphenyl	2051-24-3	0.1	%	112	97.1	91.0	112	103	



Sub-Matrix: MARINE WATER				Client sample ID	MPB2 MF	MPB2 MF DUP	MP MF	MP MF DUP	C1 (NM3) MF
Client sampling date / time				[12-NOV-2008]	[12-NOV-2008]	[12-NOV-2008]	[12-NOV-2008]	[12-NOV-2008]	[12-NOV-2008]
Compound	CAS Number	LOR	Unit	HK0819015-011	HK0819015-012	HK0819015-013	HK0819015-014	HK0819015-015	
EP-065A: PCB Single Congeners									
PCB 8	34883-43-7	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 18	37680-65-2	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 28	7012-37-5	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 52	35693-99-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 44	41464-39-5	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 66	32598-10-0	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 101	37680-73-2	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 77	32598-13-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 149	38380-04-0	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 118	31508-00-6	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 153	35065-27-1	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 105	32598-14-4	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 126	57465-28-8	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 187	52663-68-0	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 128	38380-07-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 156	38380-08-4	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 180	35065-29-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 169	60044-26-0	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 170	35065-30-6	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 195	52663-78-2	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EP-065B: Organochlorine Pesticides									
4,4'-DDT	50-29-3	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,4'-DDE	72-55-9	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,4'-DDD	72-54-8	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EP-065S: PCB Congeners and Organochlorine Pesticides Surrogate								Surrogate control limits listed at end of this report.	
Decachlorobiphenyl	2051-24-3	0.1	%	87.9	74.5	80.1	77.0	80.8	



Sub-Matrix: MARINE WATER				Client sample ID	C1 (NM3) MF DUP	C3 (NM6) MF	C3 (NM6) MF DUP		
				Client sampling date / time	[12-NOV-2008]	[12-NOV-2008]	[12-NOV-2008]		
Compound	CAS Number	LOR	Unit	HK0819015-016	HK0819015-017	HK0819015-018			
EP-065A: PCB Single Congeners									
PCB 8	34883-43-7	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 18	37680-65-2	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 28	7012-37-5	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 52	35693-99-3	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 44	41464-39-5	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 66	32598-10-0	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 101	37680-73-2	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 77	32598-13-3	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 149	38380-04-0	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 118	31508-00-6	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 153	35065-27-1	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 105	32598-14-4	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 126	57465-28-8	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 187	52663-68-0	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 128	38380-07-3	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 156	38380-08-4	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 180	35065-29-3	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 169	60044-26-0	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 170	35065-30-6	0.01	µg/L	<0.01	<0.01	<0.01			
PCB 195	52663-78-2	0.01	µg/L	<0.01	<0.01	<0.01			
EP-065B: Organochlorine Pesticides									
4,4'-DDT	50-29-3	0.01	µg/L	<0.01	<0.01	<0.01			
4,4'-DDE	72-55-9	0.01	µg/L	<0.01	<0.01	<0.01			
4,4'-DDD	72-54-8	0.01	µg/L	<0.01	<0.01	<0.01			
EP-065S: PCB Congeners and Organochlorine Pesticides Surrogate							Surrogate control limits listed at end of this report.		
Decachlorobiphenyl	2051-24-3	0.1	%	75.0	78.2	78.6			



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EP-065A: PCB Single Congeners (QC Lot: 814425)								
HK0819015-001	MPB1 ME	PCB 8	34883-43-7	0.01	µg/L	<0.01	<0.01	0.0
		PCB 18	37680-65-2	0.01	µg/L	<0.01	<0.01	0.0
		PCB 28	7012-37-5	0.01	µg/L	<0.01	<0.01	0.0
		PCB 52	35693-99-3	0.01	µg/L	<0.01	<0.01	0.0
		PCB 44	41464-39-5	0.01	µg/L	<0.01	<0.01	0.0
		PCB 66	32598-10-0	0.01	µg/L	<0.01	<0.01	0.0
		PCB 101	37680-73-2	0.01	µg/L	<0.01	<0.01	0.0
		PCB 77	32598-13-3	0.01	µg/L	<0.01	<0.01	0.0
		PCB 149	38380-04-0	0.01	µg/L	<0.01	<0.01	0.0
		PCB 118	31508-00-6	0.01	µg/L	<0.01	<0.01	0.0
		PCB 153	35065-27-1	0.01	µg/L	<0.01	<0.01	0.0
		PCB 105	32598-14-4	0.01	µg/L	<0.01	<0.01	0.0
		PCB 126	57465-28-8	0.01	µg/L	<0.01	<0.01	0.0
		PCB 187	52663-68-0	0.01	µg/L	<0.01	<0.01	0.0
		PCB 128	38380-07-3	0.01	µg/L	<0.01	<0.01	0.0
		PCB 156	38380-08-4	0.01	µg/L	<0.01	<0.01	0.0
		PCB 180	35065-29-3	0.01	µg/L	<0.01	<0.01	0.0
		PCB 169	60044-26-0	0.01	µg/L	<0.01	<0.01	0.0
		PCB 170	35065-30-6	0.01	µg/L	<0.01	<0.01	0.0
PCB 195	52663-78-2	0.01	µg/L	<0.01	<0.01	0.0		
EP-065B: Organochlorine Pesticides (QC Lot: 814425)								
HK0819015-001	MPB1 ME	4.4'-DDT	50-29-3	0.01	µg/L	<0.01	<0.01	0.0
		4.4'-DDE	72-55-9	0.01	µg/L	<0.01	<0.01	0.0
		4.4'-DDD	72-54-8	0.01	µg/L	<0.01	<0.01	0.0

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

Matrix: WATER				Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration n	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
						LCS	DCS	Low	High	Value	Control Limit
EP-065A: PCB Single Congeners (QC Lot: 814425)											
PCB 8	34883-43-7	0.01	µg/L	<0.01	100 µg/L	95.1	----	50	130	----	----
PCB 18	37680-65-2	0.01	µg/L	<0.01	100 µg/L	79.1	----	50	130	----	----
PCB 28	7012-37-5	0.01	µg/L	<0.01	100 µg/L	86.9	----	50	130	----	----
PCB 52	35693-99-3	0.01	µg/L	<0.01	100 µg/L	83.0	----	50	130	----	----
PCB 44	41464-39-5	0.01	µg/L	<0.01	100 µg/L	78.6	----	50	130	----	----
PCB 66	32598-10-0	0.01	µg/L	<0.01	100 µg/L	81.1	----	50	130	----	----
PCB 101	37680-73-2	0.01	µg/L	<0.01	100 µg/L	112	----	50	130	----	----
PCB 77	32598-13-3	0.01	µg/L	<0.01	100 µg/L	87.9	----	50	130	----	----
PCB 149	38380-04-0	0.01	µg/L	<0.01	100 µg/L	95.4	----	50	130	----	----



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result		n	LCS	DCS	Low	High	Value	Control Limit
EP-065A: PCB Single Congeners (QC Lot: 814425) - Continued												
PCB 118	31508-00-6	0.01	µg/L	<0.01	100 µg/L	96.8	----	50	130	----	----	
PCB 153	35065-27-1	0.01	µg/L	<0.01	100 µg/L	91.9	----	50	130	----	----	
PCB 105	32598-14-4	0.01	µg/L	<0.01	100 µg/L	91.6	----	50	130	----	----	
PCB 126	57465-28-8	0.01	µg/L	<0.01	100 µg/L	90.1	----	50	130	----	----	
PCB 187	52663-68-0	0.01	µg/L	<0.01	100 µg/L	118	----	50	130	----	----	
PCB 128	38380-07-3	0.01	µg/L	<0.01	100 µg/L	93.1	----	50	130	----	----	
PCB 156	38380-08-4	0.01	µg/L	<0.01	100 µg/L	87.6	----	50	130	----	----	
PCB 180	35065-29-3	0.01	µg/L	<0.01	100 µg/L	103	----	50	130	----	----	
PCB 169	60044-26-0	0.01	µg/L	<0.01	100 µg/L	84.5	----	50	130	----	----	
PCB 170	35065-30-6	0.01	µg/L	<0.01	100 µg/L	96.0	----	50	130	----	----	
PCB 195	52663-78-2	0.01	µg/L	<0.01	100 µg/L	108	----	50	130	----	----	
EP-065B: Organochlorine Pesticides (QC Lot: 814425)												
4.4'-DDT	50-29-3	0.01	µg/L	<0.01	----	----	----	----	----	----	----	
4.4'-DDE	72-55-9	0.01	µg/L	<0.01	----	----	----	----	----	----	----	
4.4'-DDD	72-54-8	0.01	µg/L	<0.01	----	----	----	----	----	----	----	

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

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

Surrogate Control Limits

Sub-Matrix: MARINE WATER		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP-065S: PCB Congeners and Organochlorine Pesticides Surrogate			
Decachlorobiphenyl	2051-24-3	50	130