

CH2MHILL Applied Sciences Lab
 CHAIN OF CUSTODY RECORD
 AND AGREEMENT TO PERFORM SERVICES

CVO 2500 NW Walnut Boulevard
 Corvallis, OR 97330-3638
 (541) 752-4271 FAX (541) 752-0276

COC #

Project # 334222.01.12		Purchase Order #		THIS AREA FOR LAB USE ONLY			
Project Name CCH Special Study		Requested Analytical Method #		Lab #	Page	of	
Company Name City & County of Honolulu		Preservative					
Project Manager or Contact & Phone # Dennis Shelton / KVO		Report Copy to:					
Requested Completion Date: Site ID		Sample Disposal:		EPA Tier QC Level			
		Dispose <input type="checkbox"/> Return <input type="checkbox"/>		1 (Screening) 2 3 4			
TOTAL # OF CONTAINERS		CLIENT SAMPLE ID (9 CHARACTERS)		Alternate Description			
		LAB QC		Lab ID			
Type Matrix		Date Time		Date/Time			
C O M P O S I T E		5 2 6 9 2 0 1		10/15/07 1041			
C O M P O S I T E		5 2 6 9 2 0 2		10/15/07 1052			
C O M P O S I T E		Honolulu Effluent Composite		12/15/07 1015			
Relinquished By <i>Colin Hume</i>		Date/Time 10/15/07		Received By <i>Max King</i>			
Sampled By and Title <i>Colin Hume</i>		Date/Time 10/15/07		Relinquished By <i>Max King</i>			
Received By <i>Reginald Goo</i>		Date/Time 10/15/07		Relinquished By <i>Reginald Goo</i>			
Received By		Date/Time		Shipping #			
Special Instructions:		Shipped Via UPS Fed-Ex Other					

DISTRIBUTION: Original - LAB, Yellow - LAB, Pink - Client
 REV 09/2006 LAB FORM 340

Instructions and Agreement Provisions on Reverse Side

CH2M HILL Applied Sciences Lab
CHAIN OF CUSTODY RECORD
AND AGREEMENT TO PERFORM SERVICES

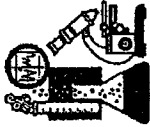
C/O 2300 NW Walnut Boulevard
 Corvallis, OR 97330-3938
 (541) 752-4271 FAX (541) 752-0276

COC #

Project # 334222.01.12		Purchase Order #		THIS AREA FOR LAB USE ONLY	
Project Name CCH Special Study		Requested Analytical Method #		Lab #	Page of
Company Name City & County of Honolulu		Preservative		EPA Tier QC Level	
Project Manager or Contact & Phone # Dennis Shelton / CVO		Report Copy to:		1 (Screening)	2 3 4
Requested Completion Date: Site ID		Sample Disposal: Dispose <input type="checkbox"/> Return <input type="checkbox"/>		Alternate Description	
Type		Matrix		Lab ID	
C O M P O S I T E		W A T E R		A I R	
S A M P L I N G		C L I E N T S A M P L E I D (9 CHARACTERS)		LAB QC	
Date	Time				
10/14/07	7:10	✓	5268201	1	
10/15/07	7:10	✓	5268202	1	
			Sand Island		
			Composite		
Relinquished By		Date/Time		Received By	
Sampled By and Title Requester from REGINALD GOO		Date/Time 10/15/07 7:10		Date/Time 10/15/07 0727	
Received By REGINALD GOO		Date/Time 10/15/07 7:41		Date/Time 10/15/07 7:41	
Received By REGINALD GOO		Date/Time 10/15/07 0721		Date/Time 10/15/07 0721	
Special Instructions:		Shipping #		Shipping #	
		86135063		5486	

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 REV 08/2006 LAB FORM 3-00

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WATER QUALITY LABORATORY

C&C of Honolulu, Department of Environmental Services, Division of Environmental Quality

1350 Sand Island Parkway, Bid #9 Honolulu, Hawaii 96819 (808) 847-8360

EPA 608 Organochlorine Pesticides/PCBs Analytical Report

Sampling Site: Honolulu (H) & Sand Island (S)
Sampling Dates: 10/14-15/07

Extraction Date: 10/15/2007
Completion Date: 10/23/2007

Toxics Log Numbers:

Equipment: HP 5890GC
5269T01 5268T01 5268T01

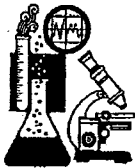
Analyte	MDL ug/L	ML ug/L	5269T01		5268T01		5268T01		Blank ug/L	Effluent MS(H7S) %R	Effluent MS(S7S) %R	LCS %R	Method %R Range
			Effluent (H7A) ug/L	Effluent (H7B) ug/L	Effluent (S7A) ug/L	Effluent (S7B) ug/L	Effluent MS(H7S) %R	Effluent MS(S7S) %R					
Chlordane	0.022	0.100	0.074 J	0.076 J	0.092 J	0.083 J	ND	63%	71%	95%	95%	45% - 119%	
Dieldrin	0.002	0.009	0.009	0.010	0.031	0.028	ND	62%	87%	93%	93%	36% - 146%	
4,4'-DDT	0.003	0.009	ND	0.020	ND	0.022	ND	67%	65%	96%	96%	25% - 160%	
Surrogates													
TMX %R			79%	81%	83%	74%	90%	75%	72%	93%	93%	60% - 150%	
DCB %R			56%	56%	67%	60%	75%	61%	60%	79%	79%	60% - 150%	

*Advisory QC %R Range

J - qualifier flag for estimate--result is between the MDL and ML
ND - not detected at or above the MDL

Richard S. Zimmerman 11/13/07
Analyst

Reginald Gray 11/13/07
Supervisor



WATER QUALITY LABORATORY

C&C of Honolulu, Department of Environmental Services, Division of Environmental Quality

1350 Sand Island Parkway, Bld #9 Honolulu, Hawaii 96819 (808) 847-8360

Login Date is: Tuesday, October 02, 2007

PRIORITY POLLUTANT SAMPLING SAMPLER: Reginald Brown

SAMPLE NUMBER	SAMPLE DESCRIPTION	START DATE	START TIME	UNIT ANALYSES	PRESERVATIVE
		END DATE	END TIME		
5266T01	Sand Island Influent	10/1/07 10/2/07	7:23 7:28	Comp T Chlordane Dieldrin	
5267T01	Sand Island Effluent	10/1/07 10/2/07	7:14 7:12	Comp T Chlordane Dieldrin	
5267T02	Sand Island Effluent	10/1/07 10/2/07		Comp T Chlordane Dieldrin	
5267Z01	Sand Island Effluent	10/1/07 10/2/07		Comp Z Pesticides Special St	
5267Z02	Sand Island Effluent	10/1/07 10/2/07		Comp Z Pesticides Special St	

Relinquished by: <u>Reginald Brown</u>	Received by Sample Custodian: <u>[Signature]</u>	Date/Time 10/2/07 0750 AM
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Relinquished by: <u>[Signature]</u>	Received for: Toxics: Rm 310 Rebig	Date/Time 10/2/07 0758 AM
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Comp = Composite Sample Unit Codes: B = Aquatic Biology, C = General Chemistry, M = Microbiology, P = Pretreatment, T = Toxics, Z = Contracted Out

CH2M HILL Applied Sciences Lab
CHAIN OF CUSTODY RECORD
AND AGREEMENT TO PERFORM SERVICES

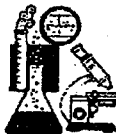
C/O 2202 NW Wisconsin Boulevard
 Corvallis, OR 97330-3838
 (541) 752-4271 FAX (541) 752-0276

COC #

Project #		Purchase Order #		THIS AREA FOR LAB USE ONLY			
334222.01.12				Lab #	Page	of	
Project Name				Requested Analytical Method #			
CCH Special Study				Pesticides			
Company Name				Preservative			
City & County of Honolulu							
Project Manager or Contact & Phone #				EPA Tier QC Level			
Dennis Shelton/CVO				1. (Screening) 2 3 4			
Requested Completion Date: Site ID				Alternate Description			
Sample Disposal:				LAB QC			
Dispose <input type="checkbox"/>				Return <input type="checkbox"/>			
Type	Matrix	CLIENT SAMPLE ID (9 CHARACTERS)					
GRAVIMETRIC	WATER	5267Z01					
COMPOSITE		5267Z02					
SAMPLING		SAND ISLAND					
Date	Time	EFFLUENT					
10/27/07	7:17	COMPOSITE					
Relinquished By		Date/Time		Received By		Date/Time	
Reginald Bon		10/27/07 7:12		Reginald Bon		10/2/07 7:50	
Lyle Shizuma		10/27/07		Lyle Shizuma		10/2/07 7:58 AM	
Reginald Bon		10/27 8:17		Shipped Via		Shipping #	
				UPS		8613 5063 5567	
Special Instructions:							

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WATER QUALITY LABORATORY

C&C of Honolulu, Department of Environmental Services, Division of Environmental Quality

1350 Sand Island Parkway, Bld #9 Honolulu, Hawaii 96819 (808) 347-3360

Sampling Site: Sand Island
 Sampling Dates: 10/1/07 - 10/2/07
 Extraction Date: 10/2/07
 Completion Date: 10/9/07

Equipment: HP5890GC

Analyte	MDL ug/L	ML ug/L	5266T01		5267T02		5267T02		5267T02		LCS %R	Method %R Range
			Influent ug/L	Effluent ug/L	Effluent Duplicate ug/L	Blank ug/L	Effluent MS %R	Effluent MSD %R				
Chlordane	0.022	0.100	0.167	0.101	0.098 J	ND	52%	70%	92%	45% - 119%		
Dieldrin	0.002	0.009	0.045	0.031	0.026	ND	108%	96%	82%	36% - 146%		

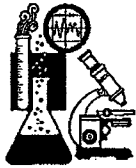
Surrogates											
TMX %R			92%	85%	86%	94%	76%	85%	94%	80% - 150%*	
DCB %R			77%	87%	70%	78%	60%	69%	76%	60% - 150%*	

*Advisory QC %R Range

J - qualifier flag for estimate—result is between the MDL and ML
 ND - not detected at or above the MDL

Pauline S. Tolson 12/10/07
 10/09/07
 Analyst

Reginald B... 10/10/07
 Supervisor



WATER QUALITY LABORATORY

C&C of Honolulu, Department of Environmental Services, Division of Environmental Quality

1350 Sand Island Parkway, Bldg 49 Honolulu, Hawaii 96819 (808) 847-8360

Login Date is: Monday, September 24, 2007

PRIORITY POLLUTANT SAMPLING SAMPLER: Eric MATSUDA

SAMPLE NUMBER	SAMPLE DESCRIPTION	START DATE END DATE	START TIME END TIME	TYPE	UNIT ANALYSES	
					PRESERVATIVE	
5249T01	Honouliuli Effluent	9/23/07 9/24/07	<u>0745</u> <u>0814</u>	Comp	T	Pesticides Special St Temp = 0.8°C
5249T02	Honouliuli Effluent	9/23/07 9/24/07		Comp	T	Pesticides Special St
5249T03	Honouliuli Effluent	9/23/07 9/24/07		Comp	T	Pesticides Special St
5249T04	Honouliuli Effluent	9/23/07 9/24/07		Comp	T	Pesticides Special St
5249Z01	Honouliuli Effluent	9/23/07 9/24/07	<u>0745</u> <u>0814</u>	Comp	Z	Pesticides Special St
5249Z02	Honouliuli Effluent	9/23/07 9/24/07	<u>0745</u> <u>0814</u>	Comp	Z	Pesticides Special St
Relinquished by: <u>[Signature]</u>		Received by Sample Custodian: <u>[Signature]</u>		Date/Time: <u>09/24/07 1054</u>		
Relinquished by: <u>[Signature]</u>		Received for: Toxics <u>VIA ROOM 310</u> <u>SAMPLE REFRIGERATOR</u>		Date/Time: <u>09/24/07 1104</u>		

Comp = Composite Sample Unit Codes: B = Aquatic Biology, C = General Chemistry, M = Microbiology, P = Pretreatment, T = Toxics, Z = Contracted Out

CH2M-HILL Applied Sciences Lab
CHAIN OF CUSTODY RECORD
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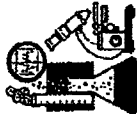
CVO 2300 NW Walnut Boulevard
 Corvallis, OR 97330-3638
 (541) 752-4271 FAX (541) 752-0276

COC #

Project # 334222.01.12		Purchase Order #		THIS AREA FOR LAB USE ONLY	
Project Name CCH Special Study		Requested Analytical Method #		Lab #	Page of
Company Name City & County of Honolulu		Preservative			
Project Manager or Contact & Phone # Dennis Shelton /CVO		Report Copy to:		EPA Tier QC Level 1 (Screening) 2 3 4	
Requested Completion Date: Site ID		Sample Disposit:		Alternate Description	
		Dispose <input type="checkbox"/> Return <input type="checkbox"/>		Lab ID	
Type		Matrix			
C O M P		W A T E R			
S O I L		A I R			
C L I E N T S A M P L E I D (9 CHARACTERS)		LAB QC			
Date	Time	5 2 4 9 Z 0 1			
9/23/07	8:14	5 2 4 9 Z 0 2			
9/24/07					
		Honolulu			
		Effluent			
		Composite			
Relinquished By		Date/Time	Received By	Date/Time	
The Natural Resources		9/27/07	Paul Mung	09/24/07	105A
Relinquished By (Please sign and print name)		Date/Time	Relinquished By (Please sign and print name)	Date/Time	
Reginald In		9/27/07	Paul Mung	09/24/07	
Received By (Please sign and print name)		Date/Time	Relinquished By (Please sign and print name)	Date/Time	
Reginald In		9/27/07	Reginald In	11:05	
Received By (Please sign and print name)		Date/Time	Shipped Via	Shipping #	
			UPS		
Special Instructions:			Fed-Ex		
			Other		

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WATER QUALITY LABORATORY

C&C of Honolulu, Department of Environmental Services, Division of Environmental Quality
1350 Sand Island Parkway, Bld #9 Honolulu, Hawaii 96819 (808) 847-3360

Sampling Site: Honolulu (H)
Sampling Dates: 9/23/07-9/24/07

Extraction Date: 9/26/07
Completion Date: 10/2/07

Toxics Log Numbers:

Analyte	MDL ug/L	ML ug/L	5249T01		5249T01		5249T01		Method %R Range
			Effluent (H8A) ug/L	Effluent (H8B) ug/L	Blank ug/L	Effluent MS(H8S) %R	LCS %R		
Chlordane	0.020	0.100	0.184	0.151	ND	85%	99%	45% - 119%	
Dieldrin	0.004	0.009	0.012	0.012	ND	72%	73%	36% - 146%	
DDT	0.002	0.009	ND	0.005 J	ND	100%	115%	25% - 180%	

Surrogates

TMX %R

DCB %R

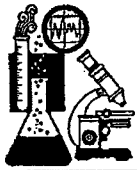
*Advisory QC %R Range

J - qualifier flag for estimate--result is between the MDL and ML
ND - not detected at or above the MDL

Richard J. Ziegenfuss 10/10/07

Reginald Joo 10/10/07

Analyst
CR 10/15/07







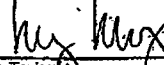
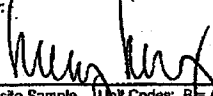
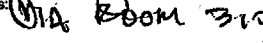
WATER QUALITY LABORATORY

C&C of Honolulu, Department of Environmental Services, Division of Environmental Quality

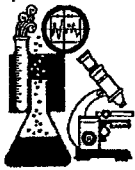
1350 Sand Island Parkway, Bld #9, Honolulu, Hawaii 96819 (808) 847-8360

Login Date is: Monday, September 17, 2007

PRIORITY POLLUTANT SAMPLING SAMPLER: ERIC MATSUDA

SAMPLE NUMBER	SAMPLE DESCRIPTION	START DATE END DATE	START TIME END TIME	UNIT ANALYSES	
				TYPE	PRESERVATIVE
5248T01	Honouliuli Effluent	9/16/07 9/17/07	0824 0845	Comp	T Pesticides Special St 
5248Z01	Honouliuli Effluent	9/16/07 9/17/07	0824 0845	Comp	Z Pesticides Special St 
5248Z02	Honouliuli Effluent	9/16/07 9/17/07	0824 0845	Comp	Z Pesticides Special St 
Relinquished by: 		Received by Sample Custodian: 		Date/Time: 09/17/07 1104	
Relinquished by: 		Received for: Toxics:  SAMPLE REFRIGERATOR		Date/Time: 09/17/07 1107	

Comp = Composite Sample Unit Codes: B = Aquatic Biology, C = General Chemistry, M = Microbiology, P = Pretreatment, T = Toxics, Z = Contracted Out



WATER QUALITY LABORATORY

C&C of Honolulu, Department of Environmental Services, Division of Environmental Quality

1350 Sand Island Parkway, Bldg 9, Honolulu, Hawaii 96819 (808) 847-8360

Login Date is: Monday, September 17, 2007

PRIORITY POLLUTANT SAMPLING SAMPLER: Reginald Bw

SAMPLE NUMBER	SAMPLE DESCRIPTION	START DATE END DATE	START TIME END TIME	UNIT ANALYSES	
				TYPE	PRESERVATIVE
5247T01	Sand Island Effluent	9/16/07 9/17/07	7:13 7:09	Comp	T Pesticides Special St Temp: 5.2°C
5247Z01	Sand Island Effluent	9/16/07 9/17/07	↓	Comp	Z Pesticides Special St
5247Z02	Sand Island Effluent	9/16/07 9/17/07	↓	Comp	Z Pesticides Special St
Relinquished by: <u>Reginald Bw</u>		Received by Sample Custodian: <u>Mary Mary</u>		Date/Time: <u>09/17/07</u> <u>0727</u>	
Relinquished by: <u>Mary Mary</u>		Received for: Toxics: <u>VIA ROOM 310</u> <u>SAMPLE REFRIGERATOR</u>		Date/Time: <u>09/17/07</u> <u>0729</u>	

Comp = Composite Sample Unit Codes: B = Aquatic Biology, C = General Chemistry, M = Microbiology, P = Pretreatment, T = Toxics, Z = Contracted Out

CH2M HILL Applied Sciences Lab
CHAIN OF CUSTODY RECORD
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COC #

Project #		Purchase Order #		THIS AREA FOR LAB USE ONLY				
Project Name		Requested Analytical Method #		Lab #	Page of			
334222.01.12		Pesticides						
CCH Special Study		Preservative						
City & County of Houshaly								
Project Manager or Contact & Phone #		Report Copy to:						
Dennis Shelton/CVO								
Requested Completion Date: Site ID		Sample Disposal:		EPA Tier QC Level				
		Dispose <input type="checkbox"/> Return <input type="checkbox"/>		1 (Screening) 2 3 4				
Sampling	Date	Time	Type	Matrix	CLIENT SAMPLE ID (9 CHARACTERS)	LAB QC	Alternate Description	Lab ID
	9/16/07	8:48	✓	✓	5248201			
	9/17/07		✓	✓	5248202			
					Non-hazardous Residue Composite			
TOTAL # OF CONTAINERS								
1								
1								
Received By: <i>[Signature]</i>								
Retrieved By: <i>[Signature]</i>								
Date/Time: 9/17/07 11:04								
Date/Time: 9/17/07 11:04								
Date/Time: 9/17/07 11:18								
Received By: <i>[Signature]</i>								
Retrieved By: <i>[Signature]</i>								
Date/Time: 9/17/07 11:18								
Date/Time: 9/17/07 11:18								
Shipping Via: UPS								
Fed-Ex Other								
Special Instructions:								

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CH2M HILL Applied Sciences Lab
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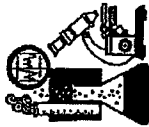
C/O 2300 NW Walnut Boulevard
 Corvallis, OR 97330-3638
 (541) 752-4271 FAX (541) 752-0276

COC #

Project # 334222-0112			Purchase Order #			THIS AREA FOR LAB USE ONLY							
Project Name CCH Special Study						Requested Analytical Method #							
Company Name City & County of Honolulu						Preservative							
Project Manager or Contact & Phone # Dennis Shelton 700						Report Copy to:							
Requested Completion Date: Site ID						TOTAL # OF CONTAINERS							
Sample Disposit: <input type="checkbox"/> Dispose <input type="checkbox"/> Return													
SAMPLING			CLIENT SAMPLE ID (9 CHARACTERS)			LAB QC			EPA Tier QC Level				
Date	Time	Type	Matrix						1 (Screening)	2	3	4	Lab ID
4/10/07	7:09	1	1	5	2	4	7	2	1	✓			
4/12/07		1	1	5	2	4	7	2	1	✓			
				Sand Island Composite									

Relinquished By <i>Reginald Gray</i>	Date/Time	Received By <i>Muxburg</i>	Date/Time
Relinquished By and Title <i>Reginald Gray REGINALD GRAY</i>	Date/Time <i>9/17/07 7:06</i>	Relinquished By <i>Reginald Gray</i>	Date/Time <i>9/17/07 7:12-7</i>
Relinquished By <i>Reginald Gray</i>	Date/Time <i>9/17/07 7:27</i>	Relinquished By <i>Reginald Gray</i>	Date/Time <i>9/17/07 7:40</i>
Received By	Shipped Via	Shipping #	
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	Fed-Ex		
	Other		

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WATER QUALITY LABORATORY

C&C of Honolulu, Department of Environmental Services, Division of Environmental Quality
 1350 Sand Island Parkway, Bld #9 Honolulu, Hawaii 96819 (808) 847-8360

EPA 608 Organochlorine Pesticides/PCBs Analytical Report

Sampling Site: Honouliuli (H) & Sand Island (S)
 Sampling Dates: 9/16-17/07

Extraction Date: 9/17/2007
 Completion Date: 9/28/2007

Toxics Log Numbers:

Equipment: HP 6890GC

Analyte	MDL ug/L	ML ug/L	5248		5247		5248		5247		LCS %R	Method %R Range
			Effluent (H5A) ug/L	Effluent (H5B) ug/L	Effluent (S5A) ug/L	Effluent (S5B) ug/L	Effluent MS(H5S) %R	Effluent MS(S5S) %R				
Chlordane	0.022	0.100	ND	ND	0.070 J	0.063 J	ND	ND	88%	72%	88%	45% - 119%
Dieldrin	0.002	0.009	0.013	0.014	0.026	0.026	ND	ND	79%	93%	81%	36% - 146%
4,4'-DDT	0.003	0.009	ND	ND	0.006 J	ND	ND	ND	82%	78%	94%	25% - 160%

Surrogates

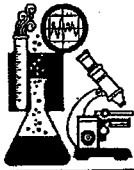
TMX %R	83%	86%	87%	85%	87%	76%	84%	60% - 150%*
DCB %R	55%	59%	68%	66%	65%	63%	74%	60% - 150%*

*Advisory QC %R Range

J - qualifier flag for estimate--result is between the MDL and ML
 ND - not detected at or above the MDL

Richard J. Zimmerman 11/13/07
 Analyst

Reginald G. Gao 11/13/07
 Supervisor



WATER QUALITY LABORATORY

C&C of Honolulu, Department of Environmental Services, Division of Environmental Quality

1350 Sand Island Parkway, Bld #9 Honolulu, Hawaii 96819 (808) 847-8360

Login Date is: ~~Monday, September 10, 2007~~ 9/11/07

PRIORITY POLLUTANT SAMPLING SAMPLER: _____

delete 4/9/07

SAMPLE NUMBER	SAMPLE DESCRIPTION	START DATE		START TIME		TYPE	UNIT ANALYSES		
		END DATE	END DATE	END TIME	END TIME		PRESERVATIVE		
5246T01	Honouliuli Effluent	9/9/07	9/10/07	0830		Comp	T	Pesticides Special St	
5246T02	Honouliuli Effluent	9/9/07	9/10/07	0830		Comp	T	Pesticides Special St	
5246T03	Honouliuli Effluent	9/9/07	9/10/07	0830		Comp	T	Pesticides Special St	
5246T04	Honouliuli Effluent	9/9/07	9/10/07	0830		Comp	T	Pesticides Special St	
5246Z01	Honouliuli Effluent	9/9/07	9/10/07			Comp	Z	Pesticides Special St	
5246Z02	Honouliuli Effluent	9/9/07	9/10/07			Comp	Z	Pesticides Special St	
Relinquished by: <i>Calvin Daul</i>		Received by Sample Custodian: <i>Mary Mey</i>				Date/Time: 9/11/07 1009			
Relinquished by: <i>Mary Mey</i>		Received by: <i>John Smith</i>				Date/Time: 09/11/07 1017			

Comp = Composite Sample Unit Codes: B = Aquatic Biology, C = General Chemistry, M = Microbiology, P = Pretreatment, T = Toxics, Z = Contracted Out

CH2M HILL Applied Sciences Lab
 CHAIN OF CUSTODY RECORD
 AND AGREEMENT TO PERFORM SERVICES

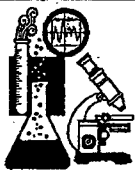
C/O 2300 NW Walnut Boulevard
 Corvallis, OR 97330-3638
 (541) 752-4271 FAX (541) 752-0278

COC #

Project # 334222.01.12		Purchase Order #		THIS AREA FOR LAB USE ONLY			
Project Name CCH Special Study				Lab #			
Company Name City & County of Honolulu				Page of			
Project Manager or Contact & Phone # Dennis Shelton / CVO				Report Copy to:			
Requested Completion Date: Site ID				Requested Analytical Method #			
Sample Disposal: Dispose <input type="checkbox"/> Return <input type="checkbox"/>				Preservative			
Type		Matrix		CLIENT SAMPLE ID (9 CHARACTERS)		LAB QC	
GRAVIMETRIC		SOLID		5246201		EPA Tier QC Level	
COMPOSITE		WATER		5246202		1 (Screening) 2 3 4	
Date		Time		Date		Time	
9/10/07		6:45		9/10/07		10:00	
9/11/07				Handwritten EFFLUENT COMPOSITE			
Relinquished By <i>[Signature]</i>				Relinquished By <i>[Signature]</i>			
Date/Time 9/10/07 10:17				Date/Time 9/11/07 10:30			
Sampled By and This <i>[Signature]</i>				Sampled By and This <i>[Signature]</i>			
Date/Time 9/10/07 10:17				Date/Time 9/11/07 10:30			
Received By <i>[Signature]</i>				Received By <i>[Signature]</i>			
Date/Time 9/10/07 10:17				Date/Time 9/11/07 10:30			
Special Instructions:				Shipping #			
				Shipped Via UPS Fed-Ex Other			

Instructions and Agreement Provisions on Reverse Side

DISTRIBUTION: Original - LAB, Yellow - LAB, Pink - Client
 REV 08/2005 LAB FORM 340



WATER QUALITY LABORATORY

C&C of Honolulu, Department of Environmental Services, Division of Environmental Quality

1350 Sand Island Parkway, Bldg #9 Honolulu, Hawaii 96819 (808) 847-8360

Login Date is: Monday, September 10, 2007

PRIORITY POLLUTANT SAMPLING SAMPLER: Reginald Dow

delete 9/10/07

SAMPLE NUMBER	SAMPLE DESCRIPTION	START DATE		START TIME		UNIT ANALYSES
		END DATE	END DATE	END TIME	END TIME	
5245T01	Sand Island Effluent	9/9/07 9/10/07	9/9/07 9/10/07	7:10 7:06	7:06	Comp T Pesticides Special St
5245T02	Sand Island Effluent	9/9/07 9/10/07	9/9/07 9/10/07			Comp T Pesticides Special St
5245T03	Sand Island Effluent	9/9/07 9/10/07	9/9/07 9/10/07			Comp T Pesticides Special St
5245T04	Sand Island Effluent	9/9/07 9/10/07	9/9/07 9/10/07			Comp T Pesticides Special St
5245Z01	Sand Island Effluent	9/9/07 9/10/07	9/9/07 9/10/07			Comp Z Pesticides Special St
5245Z02	Sand Island Effluent	9/9/07 9/10/07	9/9/07 9/10/07		✓	Comp Z Pesticides Special St

Relinquished by: <u>Reginald Dow</u>	Received by Sample Custodian: <u>[Signature]</u>	Date/Time 9/10/07 0740 AM
Relinquished by: <u>[Signature]</u>	Received for: Toxics: Rm 310 Refug	Date/Time 9/10/07 0745 AM

Comp = Composite Sample Unit Codes: B = Aquatic Biology, C = General Chemistry, M = Microbiology, P = Pretreatment, T = Toxics, Z = Contracted Out

CH2M HILL Applied Sciences Lab
CHAIN OF CUSTODY RECORD
AND AGREEMENT TO PERFORM SERVICES

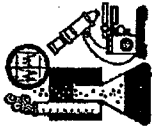
CVO 2300 NW Walnut Boulevard
 Corvallis, OR 97330-3538
 (541) 752-4271 FAX (541) 752-0276

COC #

Project #		Purchase Order #		THIS AREA FOR LAB USE ONLY											
334222.01.12				Lab # _____ Page _____ of _____											
Project Name		Company Name		Requested Analytical Method #											
CCH Special Study		City & County of Honolulu		Preservative											
Project Manager or Contact & Phone #		Report Copy to:		EPA Tier QC Level											
Dennis Shelton KVO				1 (Screening) 2 3 4											
Requested Completion Date: Site ID		Sample Disposal:		Alternate Description											
		Dispose <input type="checkbox"/> Return <input type="checkbox"/>		Lab ID											
Sampling		CLIENT SAMPLE ID (9 CHARACTERS)		LAB QC											
Date Time		Type Matrix		TOTAL # OF CONTAINERS											
9/9/07 7:06		C G R A T I O N O M P A S I R		2											
9/10/07		5 2 4 5 Z 0 1 5 2 4 5 Z 0 2		Pesticides											
		Sand Island 26162 Composite		40c											
Relinquished By		Date/Time		Received By		Date/Time		Relinquished By		Date/Time		Relinquished By		Date/Time	
Reginald Jm		9/10/07 7:30		Reginald Jm		9/10/07 7:30		Reginald Jm		9/10/07 7:30		Reginald Jm		9/10/07 7:30	
Lyle Swartz		9/10/07 07:45 AM		Lyle Swartz		9/10/07 07:45 AM		Lyle Swartz		9/10/07 07:45 AM		Lyle Swartz		9/10/07 07:45 AM	
Reginald Jm		9/10/07 7:44		Shipping Via		Shipping #		Other		Shipping #		Other		Shipping #	
				UPS		8613 5063 5589				8613 5063 5589					
Special Instructions:															

Instructions and Agreement Provisions on Reverse Side

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 REV 09/2008 LAB FORM 340



WATER QUALITY LABORATORY

C&C of Honolulu, Department of Environmental Services, Division of Environmental Quality

1330 Sand Island Parkway, Bid #9 Honolulu, Hawaii 96819 (808) 847-8350

EPA 608 Organochlorine Pesticides/PCBs Analytical Report

Sampling Site: Honouliuli (H) & Sand Island (S)
Sampling Dates: 9/10-11/07 & 9/8-10/07

Extraction Date: 9/11/2007
Completion Date: 9/18/2007

Equipment: HP 5890GC

Analyte	MDL ug/L	ML ug/L	5246		5245		5246		5245		LCS %R	Method %R Range
			Effluent (H4A) ug/L	Effluent (H4B) ug/L	Effluent (S4A) ug/L	Effluent (S4B) ug/L	Effluent MS(H4S) %R	Effluent MS(S4S) %R	Blank ug/L	Blank ug/L		
Chlordane	0.022	0.100	ND	ND	0.054 J	0.058 J	ND	ND	88%	87%	102%	45% - 119%
Dieldrin	0.002	0.009	ND	0.015	0.023	0.025	ND	ND	92%	92%	74%	36% - 146%
4,4'-DDT	0.003	0.009	0.006 J	ND	ND	ND	ND	ND	83%	90%	97%	25% - 160%

Surrogates

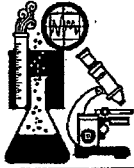
TMX %R	90%	83%	91%	80%	96%	94%	92%	60% - 150%*
DCB %R	65%	77%	80%	80%	73%	79%	85%	60% - 150%*

*Advisory QC %R Range

J - qualifier flag for estimate--result is between the MDL and ML
ND - not detected at or above the MDL

Richard S. Robinson
Analyst 11/13/07

Reginald Ford
Supervisor 11/13/07



WATER QUALITY LABORATORY

C&C of Honolulu, Department of Environmental Services, Division of Environmental Quality

1350 Sand Island Parkway, Bld #9 Honolulu, Hawaii 96819 (808) 847-8360

Login Date is: Tuesday, September 04, 2007

PRIORITY POLLUTANT SAMPLING SAMPLER: PS

SAMPLE NUMBER	SAMPLE DESCRIPTION	START DATE		START TIME		UNIT ANALYSES	
		END DATE	END TIME	TYPE	PRESERVATIVE		
5244T01	Honouliuli Effluent	9/3/07 9/4/07	0823 0624	Comp	T	Pesticides Special St	
5244Z01	Honouliuli Effluent	9/3/07 9/4/07	0823 0624	Comp	Z	Pesticides Special St	
5244Z02	Honouliuli Effluent	9/3/07 9/4/07	0823 0624	Comp	Z	Pesticides Special St	
Relinquished by: 		Received by Sample Custodian: 		Date/Time 9/4/07 0755 AM			
Relinquished by: 		Received for: Toxics: R- 310 Refri		Date/Time 9/4/07 0755 AM			

Comp = Composite Sample Unit Codes: B = Aquatic Biology, C = General Chemistry, M = Microbiology, P = Pretreatment, T = Toxics, Z = Contracted Out



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C&C of Honolulu, Department of Environmental Services, Division of Environmental Quality

1350 Sand Island Parkway, Bld #9 Honolulu, Hawaii 96819 (808) 847-8360

Login Date is: Tuesday, September 04, 2007

PRIORITY POLLUTANT SAMPLING SAMPLER: Reynald bw

SAMPLE NUMBER	SAMPLE DESCRIPTION	START DATE		START TIME		UNIT ANALYSES
		END DATE	END DATE	END TIME	END TIME	
5241T01	Sand Island Influent	9/3/07 9/4/07	9/3/07 9/4/07	7:15 7:20	7:15 7:20	Comp T Dieldrin Chlordane
5242T01	Sand Island Effluent	9/3/07 9/4/07	9/3/07 9/4/07	7:07 9:07	7:07 9:07	Comp T Dieldrin Chlordane
5242T02	Sand Island Effluent	9/3/07 9/4/07	9/3/07 9/4/07	7:07 9:07	7:07 9:07	Comp T Dieldrin Chlordane

Relinquished by: <u>Reynald bw</u>	Received by Sample Custodian: <u>[Signature]</u>	Date/Time: 9/4/07 0748AM
---------------------------------------	---	-----------------------------

Relinquished by: <u>[Signature]</u>	Received for: Toxics: Rm 310 Refry	Date/Time: 9/4/07 0748AM
--	---------------------------------------	-----------------------------

Comp = Composite Sample Unit Codes: B = Aquatic Biology, C = General Chemistry, M = Microbiology, P = Pretreatment, T = Toxics, Z = Contracted Out