

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING


## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Seattle  
5755 8th Street East  
Tacoma, WA 98424  
Tel: (253)922-2310

TestAmerica Job ID: 580-36357-1  
Client Project/Site: Pesticides

For:  
CH2M Hill, Inc.  
1100 NE Circle Blvd  
Suite 300  
Corvallis, Oregon 97330

Attn: Kathy McKinley



Authorized for release by:  
1/7/2013 3:58:04 PM

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### LINKS

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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## Case Narrative

Client: CH2M Hill, Inc.  
Project/Site: Pesticides

TestAmerica Job ID: 580-36357-1

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**Job ID: 580-36357-1**

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**Laboratory: TestAmerica Seattle**

### Narrative

#### Receipt

The samples were received on 12/14/2012 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

#### GC Semi VOA - Method(s) 608

In analytical batch 127571 surrogate recovery for the CCV associated with the following sample(s) was outside the upper control limit for DCB Decachlorobiphenyl. These samples did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed. (CCB 580-127571/23), (CCV 580-127571/28), SW03-121112-SCE (580-36357-1), SW04-121112-SCE (580-36357-2).

No other analytical or quality issues were noted.

#### Organic Prep

No analytical or quality issues were noted.

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# Definitions/Glossary

Client: CH2M Hill, Inc.  
Project/Site: Pesticides

TestAmerica Job ID: 580-36357-1

## Qualifiers

### GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: CH2M Hill, Inc.  
Project/Site: Pesticides

TestAmerica Job ID: 580-36357-1

**Client Sample ID: SW03-121112-SCE**

**Lab Sample ID: 580-36357-1**

Date Collected: 12/11/12 12:20

Matrix: Water

Date Received: 12/15/12 11:22

**Method: 608 - Organochlorine Pesticides/PCBs in Water**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.010	0.00060	ug/L		12/18/12 12:46	01/04/13 12:55	1
Aroclor 1016	ND		0.50	0.045	ug/L		12/18/12 12:46	01/07/13 12:04	1
alpha-BHC	ND		0.010	0.0026	ug/L		12/18/12 12:46	01/04/13 12:55	1
beta-BHC	ND		0.020	0.0015	ug/L		12/18/12 12:46	01/04/13 12:55	1
delta-BHC	ND		0.010	0.00050	ug/L		12/18/12 12:46	01/04/13 12:55	1
gamma-BHC (Lindane)	ND		0.010	0.00060	ug/L		12/18/12 12:46	01/04/13 12:55	1
4,4'-DDD	ND		0.020	0.00080	ug/L		12/18/12 12:46	01/04/13 12:55	1
4,4'-DDE	ND		0.020	0.0011	ug/L		12/18/12 12:46	01/04/13 12:55	1
Aroclor 1221	ND		0.50	0.062	ug/L		12/18/12 12:46	01/07/13 12:04	1
<b>4,4'-DDT</b>	<b>0.014</b>	<b>J</b>	0.020	0.0010	ug/L		12/18/12 12:46	01/04/13 12:55	1
Dieldrin	ND		0.020	0.00090	ug/L		12/18/12 12:46	01/04/13 12:55	1
Endosulfan I	ND		0.020	0.00050	ug/L		12/18/12 12:46	01/04/13 12:55	1
Aroclor 1232	ND		0.50	0.041	ug/L		12/18/12 12:46	01/07/13 12:04	1
Endosulfan II	ND		0.020	0.00090	ug/L		12/18/12 12:46	01/04/13 12:55	1
Endosulfan sulfate	ND		0.020	0.00080	ug/L		12/18/12 12:46	01/04/13 12:55	1
Endrin	ND		0.020	0.00070	ug/L		12/18/12 12:46	01/04/13 12:55	1
Endrin aldehyde	ND		0.050	0.0010	ug/L		12/18/12 12:46	01/04/13 12:55	1
Heptachlor	ND		0.010	0.00050	ug/L		12/18/12 12:46	01/04/13 12:55	1
Heptachlor epoxide	ND		0.010	0.00090	ug/L		12/18/12 12:46	01/04/13 12:55	1
Aroclor 1242	ND		0.50	0.041	ug/L		12/18/12 12:46	01/07/13 12:04	1
Endrin ketone	ND		0.020	0.00070	ug/L		12/18/12 12:46	01/04/13 12:55	1
Toxaphene	ND		1.0	0.27	ug/L		12/18/12 12:46	01/04/13 12:55	1
Aroclor 1248	ND		0.50	0.071	ug/L		12/18/12 12:46	01/07/13 12:04	1
alpha-Chlordane	ND	p	0.010	0.00050	ug/L		12/18/12 12:46	01/04/13 12:55	1
gamma-Chlordane	ND		0.010	0.0011	ug/L		12/18/12 12:46	01/04/13 12:55	1
Aroclor 1254	ND		0.50	0.044	ug/L		12/18/12 12:46	01/07/13 12:04	1
Aroclor 1260	ND		0.50	0.039	ug/L		12/18/12 12:46	01/07/13 12:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		44 - 123				12/18/12 12:46	01/04/13 12:55	1
Tetrachloro-m-xylene	101		44 - 123				12/18/12 12:46	01/07/13 12:04	1
DCB Decachlorobiphenyl	79		37 - 156				12/18/12 12:46	01/04/13 12:55	1
DCB Decachlorobiphenyl	93	^	37 - 156				12/18/12 12:46	01/07/13 12:04	1

# Client Sample Results

Client: CH2M Hill, Inc.  
Project/Site: Pesticides

TestAmerica Job ID: 580-36357-1

**Client Sample ID: SW04-121112-SCE**

**Lab Sample ID: 580-36357-2**

**Date Collected: 12/11/12 12:55**

**Matrix: Water**

**Date Received: 12/15/12 11:22**

**Method: 608 - Organochlorine Pesticides/PCBs in Water**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.010	0.00060	ug/L		12/18/12 12:46	01/04/13 13:14	1
Aroclor 1016	ND		0.50	0.045	ug/L		12/18/12 12:46	01/07/13 12:29	1
alpha-BHC	ND		0.010	0.0026	ug/L		12/18/12 12:46	01/04/13 13:14	1
beta-BHC	ND		0.020	0.0015	ug/L		12/18/12 12:46	01/04/13 13:14	1
delta-BHC	ND		0.010	0.00050	ug/L		12/18/12 12:46	01/04/13 13:14	1
gamma-BHC (Lindane)	ND		0.010	0.00060	ug/L		12/18/12 12:46	01/04/13 13:14	1
4,4'-DDD	ND		0.020	0.00080	ug/L		12/18/12 12:46	01/04/13 13:14	1
4,4'-DDE	ND		0.020	0.0011	ug/L		12/18/12 12:46	01/04/13 13:14	1
Aroclor 1221	ND		0.50	0.062	ug/L		12/18/12 12:46	01/07/13 12:29	1
<b>4,4'-DDT</b>	<b>0.015</b>	<b>J</b>	0.020	0.0010	ug/L		12/18/12 12:46	01/04/13 13:14	1
Dieldrin	ND		0.020	0.00090	ug/L		12/18/12 12:46	01/04/13 13:14	1
Endosulfan I	ND		0.020	0.00050	ug/L		12/18/12 12:46	01/04/13 13:14	1
Aroclor 1232	ND		0.50	0.041	ug/L		12/18/12 12:46	01/07/13 12:29	1
Endosulfan II	ND		0.020	0.00090	ug/L		12/18/12 12:46	01/04/13 13:14	1
Endosulfan sulfate	ND		0.020	0.00080	ug/L		12/18/12 12:46	01/04/13 13:14	1
Endrin	ND		0.020	0.00070	ug/L		12/18/12 12:46	01/04/13 13:14	1
Endrin aldehyde	ND		0.050	0.0010	ug/L		12/18/12 12:46	01/04/13 13:14	1
Heptachlor	ND		0.010	0.00050	ug/L		12/18/12 12:46	01/04/13 13:14	1
Heptachlor epoxide	ND		0.010	0.00090	ug/L		12/18/12 12:46	01/04/13 13:14	1
Aroclor 1242	ND		0.50	0.041	ug/L		12/18/12 12:46	01/07/13 12:29	1
Endrin ketone	ND		0.020	0.00070	ug/L		12/18/12 12:46	01/04/13 13:14	1
Toxaphene	ND		1.0	0.27	ug/L		12/18/12 12:46	01/04/13 13:14	1
Aroclor 1248	ND		0.50	0.071	ug/L		12/18/12 12:46	01/07/13 12:29	1
alpha-Chlordane	ND	p	0.010	0.00050	ug/L		12/18/12 12:46	01/04/13 13:14	1
gamma-Chlordane	ND		0.010	0.0011	ug/L		12/18/12 12:46	01/04/13 13:14	1
Aroclor 1254	ND		0.50	0.044	ug/L		12/18/12 12:46	01/07/13 12:29	1
Aroclor 1260	ND		0.50	0.039	ug/L		12/18/12 12:46	01/07/13 12:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		44 - 123				12/18/12 12:46	01/04/13 13:14	1
Tetrachloro-m-xylene	97		44 - 123				12/18/12 12:46	01/07/13 12:29	1
DCB Decachlorobiphenyl	82		37 - 156				12/18/12 12:46	01/04/13 13:14	1
DCB Decachlorobiphenyl	91	^	37 - 156				12/18/12 12:46	01/07/13 12:29	1

# QC Sample Results

Client: CH2M Hill, Inc.  
Project/Site: Pesticides

TestAmerica Job ID: 580-36357-1

## Method: 608 - Organochlorine Pesticides/PCBs in Water

**Lab Sample ID: MB 580-126698/1-A**

**Matrix: Water**

**Analysis Batch: 127488**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 126698**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.010	0.00060	ug/L		12/18/12 12:46	01/04/13 11:59	1
alpha-BHC	ND		0.010	0.0026	ug/L		12/18/12 12:46	01/04/13 11:59	1
beta-BHC	ND		0.020	0.0015	ug/L		12/18/12 12:46	01/04/13 11:59	1
delta-BHC	ND		0.010	0.00050	ug/L		12/18/12 12:46	01/04/13 11:59	1
gamma-BHC (Lindane)	ND		0.010	0.00060	ug/L		12/18/12 12:46	01/04/13 11:59	1
4,4'-DDD	ND		0.020	0.00080	ug/L		12/18/12 12:46	01/04/13 11:59	1
4,4'-DDE	ND		0.020	0.0011	ug/L		12/18/12 12:46	01/04/13 11:59	1
4,4'-DDT	ND		0.020	0.0010	ug/L		12/18/12 12:46	01/04/13 11:59	1
Dieldrin	ND		0.020	0.00090	ug/L		12/18/12 12:46	01/04/13 11:59	1
Endosulfan I	ND		0.020	0.00050	ug/L		12/18/12 12:46	01/04/13 11:59	1
Endosulfan II	ND		0.020	0.00090	ug/L		12/18/12 12:46	01/04/13 11:59	1
Endosulfan sulfate	ND		0.020	0.00080	ug/L		12/18/12 12:46	01/04/13 11:59	1
Endrin	ND		0.020	0.00070	ug/L		12/18/12 12:46	01/04/13 11:59	1
Endrin aldehyde	ND		0.050	0.0010	ug/L		12/18/12 12:46	01/04/13 11:59	1
Heptachlor	ND		0.010	0.00050	ug/L		12/18/12 12:46	01/04/13 11:59	1
Heptachlor epoxide	ND		0.010	0.00090	ug/L		12/18/12 12:46	01/04/13 11:59	1
Endrin ketone	ND		0.020	0.00070	ug/L		12/18/12 12:46	01/04/13 11:59	1
Toxaphene	ND		1.0	0.27	ug/L		12/18/12 12:46	01/04/13 11:59	1
alpha-Chlordane	ND		0.010	0.00050	ug/L		12/18/12 12:46	01/04/13 11:59	1
gamma-Chlordane	ND		0.010	0.0011	ug/L		12/18/12 12:46	01/04/13 11:59	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		44 - 123				12/18/12 12:46	01/04/13 11:59	1
DCB Decachlorobiphenyl	98		37 - 156				12/18/12 12:46	01/04/13 11:59	1

**Lab Sample ID: MB 580-126698/1-A**

**Matrix: Water**

**Analysis Batch: 127571**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 126698**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		0.50	0.045	ug/L		12/18/12 12:46	01/07/13 11:00	1
Aroclor 1221	ND		0.50	0.062	ug/L		12/18/12 12:46	01/07/13 11:00	1
Aroclor 1232	ND		0.50	0.041	ug/L		12/18/12 12:46	01/07/13 11:00	1
Aroclor 1242	ND		0.50	0.041	ug/L		12/18/12 12:46	01/07/13 11:00	1
Aroclor 1248	ND		0.50	0.071	ug/L		12/18/12 12:46	01/07/13 11:00	1
Aroclor 1254	ND		0.50	0.044	ug/L		12/18/12 12:46	01/07/13 11:00	1
Aroclor 1260	ND		0.50	0.039	ug/L		12/18/12 12:46	01/07/13 11:00	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	92		44 - 123				12/18/12 12:46	01/07/13 11:00	1
DCB Decachlorobiphenyl	102		37 - 156				12/18/12 12:46	01/07/13 11:00	1

TestAmerica Seattle

# QC Sample Results

Client: CH2M Hill, Inc.  
Project/Site: Pesticides

TestAmerica Job ID: 580-36357-1

## Method: 608 - Organochlorine Pesticides/PCBs in Water (Continued)

**Lab Sample ID: LCS 580-126698/2-A**

**Matrix: Water**

**Analysis Batch: 127488**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 126698**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.200	0.173		ug/L		87	42 - 122
alpha-BHC	0.200	0.189		ug/L		94	37 - 134
beta-BHC	0.200	0.209		ug/L		105	17 - 147
delta-BHC	0.200	0.175		ug/L		87	19 - 140
gamma-BHC (Lindane)	0.200	0.204		ug/L		102	32 - 127
4,4'-DDD	0.200	0.205		ug/L		102	31 - 141
4,4'-DDE	0.200	0.208		ug/L		104	30 - 145
4,4'-DDT	0.200	0.174		ug/L		87	25 - 160
Dieldrin	0.200	0.234		ug/L		117	36 - 146
Endosulfan I	0.200	0.229		ug/L		114	45 - 153
Endosulfan II	0.200	0.227		ug/L		113	0.1 - 202
Endosulfan sulfate	0.200	0.194		ug/L		97	26 - 144
Endrin	0.200	0.212		ug/L		106	30 - 147
Endrin aldehyde	0.200	0.215		ug/L		107	50 - 150
Heptachlor	0.200	0.174		ug/L		87	34 - 111
Heptachlor epoxide	0.200	0.228		ug/L		114	37 - 142
Endrin ketone	0.200	0.214		ug/L		107	50 - 150
alpha-Chlordane	0.200	0.226		ug/L		113	50 - 150
gamma-Chlordane	0.200	0.214		ug/L		107	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	73		44 - 123
DCB Decachlorobiphenyl	97		37 - 156

**Lab Sample ID: LCS 580-126698/4-A**

**Matrix: Water**

**Analysis Batch: 127571**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 126698**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	1.00	0.733		ug/L		73	50 - 114
Aroclor 1260	1.00	0.824		ug/L		82	8 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	63		44 - 123
DCB Decachlorobiphenyl	97		37 - 156

**Lab Sample ID: LCSD 580-126698/3-A**

**Matrix: Water**

**Analysis Batch: 127488**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 126698**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.200	0.184		ug/L		92	42 - 122	6	26
alpha-BHC	0.200	0.191		ug/L		96	37 - 134	1	24
beta-BHC	0.200	0.208		ug/L		104	17 - 147	0	27
delta-BHC	0.200	0.173		ug/L		86	19 - 140	1	32
gamma-BHC (Lindane)	0.200	0.205		ug/L		102	32 - 127	0	27
4,4'-DDD	0.200	0.206		ug/L		103	31 - 141	1	35

TestAmerica Seattle

# QC Sample Results

Client: CH2M Hill, Inc.  
Project/Site: Pesticides

TestAmerica Job ID: 580-36357-1

## Method: 608 - Organochlorine Pesticides/PCBs in Water (Continued)

**Lab Sample ID: LCSD 580-126698/3-A**

**Matrix: Water**

**Analysis Batch: 127488**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 126698**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	Limit
4,4'-DDE	0.200	0.214		ug/L		107	30 - 145	2	32	
4,4'-DDT	0.200	0.165		ug/L		83	25 - 160	5	34	
Dieldrin	0.200	0.233		ug/L		117	36 - 146	0	30	
Endosulfan I	0.200	0.228		ug/L		114	45 - 153	1	27	
Endosulfan II	0.200	0.225		ug/L		113	0.1 - 202	1	31	
Endosulfan sulfate	0.200	0.191		ug/L		95	26 - 144	2	32	
Endrin	0.200	0.203		ug/L		102	30 - 147	4	31	
Endrin aldehyde	0.200	0.220		ug/L		110	50 - 150	2	35	
Heptachlor	0.200	0.178		ug/L		89	34 - 111	2	25	
Heptachlor epoxide	0.200	0.229		ug/L		114	37 - 142	0	26	
Endrin ketone	0.200	0.210		ug/L		105	50 - 150	2	35	
alpha-Chlordane	0.200	0.228		ug/L		114	50 - 150	0	35	
gamma-Chlordane	0.200	0.216		ug/L		108	50 - 150	1	35	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	76		44 - 123
DCB Decachlorobiphenyl	88		37 - 156

**Lab Sample ID: LCSD 580-126698/5-A**

**Matrix: Water**

**Analysis Batch: 127571**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 126698**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	Limit
Aroclor 1016	1.00	0.809		ug/L		81	50 - 114	10	50	
Aroclor 1260	1.00	0.880		ug/L		88	8 - 127	7	50	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	70		44 - 123
DCB Decachlorobiphenyl	104		37 - 156

# Lab Chronicle

Client: CH2M Hill, Inc.  
Project/Site: Pesticides

TestAmerica Job ID: 580-36357-1

**Client Sample ID: SW03-121112-SCE**

**Lab Sample ID: 580-36357-1**

**Date Collected: 12/11/12 12:20**

**Matrix: Water**

**Date Received: 12/15/12 11:22**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	CWA_Prep			126698	12/18/12 12:46	AW	TAL SEA
Total/NA	Analysis	608		1	127488	01/04/13 12:55	CM	TAL SEA
Total/NA	Analysis	608		1	127571	01/07/13 12:04	SH	TAL SEA

**Client Sample ID: SW04-121112-SCE**

**Lab Sample ID: 580-36357-2**

**Date Collected: 12/11/12 12:55**

**Matrix: Water**

**Date Received: 12/15/12 11:22**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	CWA_Prep			126698	12/18/12 12:46	AW	TAL SEA
Total/NA	Analysis	608		1	127488	01/04/13 13:14	CM	TAL SEA
Total/NA	Analysis	608		1	127571	01/07/13 12:29	SH	TAL SEA

**Laboratory References:**

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

# Certification Summary

Client: CH2M Hill, Inc.  
Project/Site: Pesticides

TestAmerica Job ID: 580-36357-1

## Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-022	03-04-13
California	NELAP	9	1115CA	01-31-13
L-A-B	DoD ELAP		L2236	01-19-13
L-A-B	ISO/IEC 17025		L2236	01-19-13
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-13
USDA	Federal		P330-11-00222	05-20-14
Washington	State Program	10	C553	02-17-13

# Sample Summary

Client: CH2M Hill, Inc.  
Project/Site: Pesticides

TestAmerica Job ID: 580-36357-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-36357-1	SW03-121112-SCE	Water	12/11/12 12:20	12/15/12 11:22
580-36357-2	SW04-121112-SCE	Water	12/11/12 12:55	12/15/12 11:22

1

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# CHAIN OF CUSTODY RECORD

1100 NE Circle Blvd.  
Suite 300  
Corvallis, OR 97330  
Tel 541 768.3120  
asl@ch2m.com

30357

**Contract Laboratory Information:** TestAmerica-Seattle  
Attn: Sample Custody  
5755 8th Street East  
Tacoma, WA 98424

**Sample Batch Information:** Client: CONFIDENTIAL  
Batch Code: L3025  
Date Received: 12/12/2012  
Contacts: Kathy McKinley (asl@ch2m.com) Kathy McKinley (kathy.mckinley@ch2m.com)  
Hazardous: No

**Billing Information:** Reference Project Number: 163160.AS.OS

**Report Information:**  
Reporting Address: CH2M HILL Applied Sciences Laboratory, 1100 NE Circle Blvd, Suite 300, Corvallis, OR 97330  
Report Due: 12/26/2012 QA Level: 2

**Special Instructions:** *Restock / PCB limits must be met - see attached.*

Sample ID	Lab ID	Sample Date/Time	Method	Requested Test	Date Due	Matrix
1- SW03-121112-SCE	L302501	12/11/2012 12:20	E608	Pest/PCB	12/26/2012	Water
2- SW04-121112-SCE	L302502	12/11/2012 12:55	E608	Pest/PCB	12/26/2012	Water

Relinquished By <i>[Signature]</i>	Date/Time 12/12/12	Received By <i>Nicole Riley</i>	Date/Time 12/14/2012 0940
Relinquished By	Date/Time	Received By	Date/Time

Cooler/TB-Dig IR cor 3.0 unc 3.5  
Cooler Dsc *Shirley* @ Lab  
Wet/Packs Packing *Double*  
US/ES  
FBI BX 5.0

## Login Sample Receipt Checklist

Client: CH2M Hill, Inc.

Job Number: 580-36357-1

**Login Number: 36357**

**List Number: 1**

**Creator: Riley, Nicole**

**List Source: TestAmerica Seattle**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Not requested on COC.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

