

Hit Summary Sheet
SW-846

SDG No.: Q2814

Order ID: Q2814

Client: First Environment, Inc.

Project ID: USACE018-44 DOD

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : TW-17M-W									
Q2814-03	TW-17M-W	WATER	alpha-Chlordane	0.93		0.0035	0.010	0.051	ug/L
Q2814-03	TW-17M-W	WATER	gamma-Chlordane	0.72		0.0039	0.010	0.051	ug/L
Total Concentration:				1.650					
Client ID : TW-518R-S									
Q2814-17	TW-518R-S	WATER	Dieldrin	0.0061	J	0.0036	0.010	0.051	ug/L
Q2814-17	TW-518R-S	WATER	4,4-DDE	0.016	J	0.0037	0.010	0.051	ug/L
Q2814-17	TW-518R-S	WATER	Endrin	0.0051	J	0.0032	0.010	0.051	ug/L
Q2814-17	TW-518R-S	WATER	4,4-DDD	0.013	J	0.0072	0.025	0.051	ug/L
Total Concentration:				0.040					



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-01	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096831.D	1	08/12/25 10:20	08/15/25 18:59	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.3		30 - 135		86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		44 - 124		103%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-01	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096831.D	1	08/12/25 10:20	08/15/25 18:59	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-03	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096832.D	1	08/12/25 10:20	08/15/25 19:13	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.051	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.051	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.051	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.051	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.051	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.051	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0097	0.025	0.051	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.051	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.051	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.051	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.051	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0080	0.025	0.051	ug/L
72-54-8	4,4-DDD	0.025	U	0.0072	0.025	0.051	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.051	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.051	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.051	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0094	0.025	0.051	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.051	ug/L
5103-71-9	alpha-Chlordane	0.93		0.0035	0.010	0.051	ug/L
5103-74-2	gamma-Chlordane	0.72		0.0039	0.010	0.051	ug/L
8001-35-2	Toxaphene	0.51	U	0.17	0.51	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	14.1		30 - 135		70%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		44 - 124		91%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-03	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096832.D	1	08/12/25 10:20	08/15/25 19:13	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2814
Lab Sample ID:	Q2814-16	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	500	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096833.D	1	08/12/25 10:20	08/15/25 19:26	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	13.6		30 - 135		68%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		44 - 124		93%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2814
Lab Sample ID:	Q2814-16	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	500	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096833.D	1	08/12/25 10:20	08/15/25 19:26	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-17	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096834.D	1	08/12/25 10:20	08/15/25 19:40	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.051	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.051	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.051	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.051	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.051	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.051	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0097	0.025	0.051	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.051	ug/L
60-57-1	Dieldrin	0.0061	J	0.0036	0.010	0.051	ug/L
72-55-9	4,4-DDE	0.016	J	0.0037	0.010	0.051	ug/L
72-20-8	Endrin	0.0051	J	0.0032	0.010	0.051	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0080	0.025	0.051	ug/L
72-54-8	4,4-DDD	0.013	J	0.0072	0.025	0.051	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.051	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.051	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.051	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0094	0.025	0.051	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.051	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.051	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.051	ug/L
8001-35-2	Toxaphene	0.51	U	0.17	0.51	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	10.2		30 - 135		51%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.5		44 - 124		68%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-17	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096834.D	1	08/12/25 10:20	08/15/25 19:40	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Comments:

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() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	Q2814	OrderDate:	8/11/2025 10:31:02 AM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2814-01	TW-84SB-E	WATER	PCB	8082A	08/05/25	08/12/25	08/13/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/15/25	
Q2814-03	TW-17M-W	WATER	PCB	8082A	08/05/25	08/12/25	08/13/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/15/25	
Q2814-16	FB	WATER	PCB	8082A	08/04/25	08/12/25	08/13/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/15/25	
Q2814-17	TW-518R-S	WATER	PCB	8082A	08/05/25	08/12/25	08/14/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/15/25	