

Hit Summary Sheet
SW-846

SDG No.: Q2820

Order ID: Q2820

Client: First Environment, Inc.

Project ID: USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : 705R-S									
Q2820-09	705R-S	SOIL	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
Q2820-09	705R-S	SOIL	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
Total Concentration:				5.700					
Client ID : 705R-SRE									
Q2820-09RE	705R-SRE	SOIL	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
Q2820-09RE	705R-SRE	SOIL	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
Total Concentration:				5.700					
Client ID : SOIL-DUP-2									
Q2820-10	SOIL-DUP-2	SOIL	4,4-DDE	0.61	J	0.29	0.68	3.50	ug/kg
Q2820-10	SOIL-DUP-2	SOIL	4,4-DDD	1.50	J	0.31	0.68	3.50	ug/kg
Total Concentration:				2.110					
Client ID : 22M-S									
Q2820-24	22M-S	SOIL	Heptachlor epoxide	1.10	JP	0.21	0.93	1.90	ug/kg
Q2820-24	22M-S	SOIL	alpha-Chlordane	3.00	P	0.13	0.37	1.90	ug/kg
Q2820-24	22M-S	SOIL	gamma-Chlordane	1.40	J	0.17	0.37	1.90	ug/kg
Total Concentration:				5.500					



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089896.D	1	08/12/25 08:16	08/14/25 14:41	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.59	U	0.23	0.59	3.00	ug/kg
319-85-7	beta-BHC	1.50	U	0.32	1.50	3.00	ug/kg
319-86-8	delta-BHC	1.50	U	0.70	1.50	3.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.59	U	0.25	0.59	3.00	ug/kg
76-44-8	Heptachlor	0.59	U	0.21	0.59	3.00	ug/kg
309-00-2	Aldrin	0.59	U	0.21	0.59	3.00	ug/kg
1024-57-3	Heptachlor epoxide	1.50	U	0.34	1.50	3.00	ug/kg
959-98-8	Endosulfan I	0.59	U	0.25	0.59	3.00	ug/kg
60-57-1	Dieldrin	0.59	U	0.25	0.59	3.00	ug/kg
72-55-9	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
72-20-8	Endrin	0.59	U	0.25	0.59	3.00	ug/kg
33213-65-9	Endosulfan II	1.50	U	0.52	1.50	3.00	ug/kg
72-54-8	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.59	U	0.23	0.59	3.00	ug/kg
50-29-3	4,4-DDT	0.59	U	0.25	0.59	3.00	ug/kg
72-43-5	Methoxychlor	1.50	U	0.66	1.50	3.00	ug/kg
53494-70-5	Endrin ketone	1.50	U	0.34	1.50	3.00	ug/kg
7421-93-4	Endrin aldehyde	1.50	U	0.66	1.50	3.00	ug/kg
5103-71-9	alpha-Chlordane	0.59	U	0.21	0.59	3.00	ug/kg
5103-74-2	gamma-Chlordane	0.59	U	0.27	0.59	3.00	ug/kg
8001-35-2	Toxaphene	30.4	U	9.70	30.4	59.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	8.67	*	55 - 130		43%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.1		42 - 129		86%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089896.D	1	08/12/25 08:16	08/14/25 14:41	PB169206

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:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-09RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089910.D	1	08/12/25 08:16	08/15/25 11:02	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.59	U	0.23	0.59	3.00	ug/kg
319-85-7	beta-BHC	1.50	U	0.32	1.50	3.00	ug/kg
319-86-8	delta-BHC	1.50	U	0.70	1.50	3.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.59	U	0.25	0.59	3.00	ug/kg
76-44-8	Heptachlor	0.59	U	0.21	0.59	3.00	ug/kg
309-00-2	Aldrin	0.59	U	0.21	0.59	3.00	ug/kg
1024-57-3	Heptachlor epoxide	1.50	U	0.34	1.50	3.00	ug/kg
959-98-8	Endosulfan I	0.59	U	0.25	0.59	3.00	ug/kg
60-57-1	Dieldrin	0.59	U	0.25	0.59	3.00	ug/kg
72-55-9	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
72-20-8	Endrin	0.59	U	0.25	0.59	3.00	ug/kg
33213-65-9	Endosulfan II	1.50	U	0.52	1.50	3.00	ug/kg
72-54-8	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.59	U	0.23	0.59	3.00	ug/kg
50-29-3	4,4-DDT	0.59	U	0.25	0.59	3.00	ug/kg
72-43-5	Methoxychlor	1.50	U	0.66	1.50	3.00	ug/kg
53494-70-5	Endrin ketone	1.50	U	0.34	1.50	3.00	ug/kg
7421-93-4	Endrin aldehyde	1.50	U	0.66	1.50	3.00	ug/kg
5103-71-9	alpha-Chlordane	0.59	U	0.21	0.59	3.00	ug/kg
5103-74-2	gamma-Chlordane	0.59	U	0.27	0.59	3.00	ug/kg
8001-35-2	Toxaphene	30.4	U	9.70	30.4	59.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	8.54	*	55 - 130		43%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		42 - 129		87%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-09RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089910.D	1	08/12/25 08:16	08/15/25 11:02	PB169206

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

U = Not Detected

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E = Value Exceeds Calibration Range

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	48.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089897.D	1	08/12/25 08:16	08/14/25 14:55	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.68	U	0.27	0.68	3.50	ug/kg
319-85-7	beta-BHC	1.70	U	0.37	1.70	3.50	ug/kg
319-86-8	delta-BHC	1.70	U	0.80	1.70	3.50	ug/kg
58-89-9	gamma-BHC (Lindane)	0.68	U	0.29	0.68	3.50	ug/kg
76-44-8	Heptachlor	0.68	U	0.25	0.68	3.50	ug/kg
309-00-2	Aldrin	0.68	U	0.25	0.68	3.50	ug/kg
1024-57-3	Heptachlor epoxide	1.70	U	0.39	1.70	3.50	ug/kg
959-98-8	Endosulfan I	0.68	U	0.29	0.68	3.50	ug/kg
60-57-1	Dieldrin	0.68	U	0.29	0.68	3.50	ug/kg
72-55-9	4,4-DDE	0.61	J	0.29	0.68	3.50	ug/kg
72-20-8	Endrin	0.68	U	0.29	0.68	3.50	ug/kg
33213-65-9	Endosulfan II	1.70	U	0.60	1.70	3.50	ug/kg
72-54-8	4,4-DDD	1.50	J	0.31	0.68	3.50	ug/kg
1031-07-8	Endosulfan Sulfate	0.68	U	0.27	0.68	3.50	ug/kg
50-29-3	4,4-DDT	0.68	U	0.29	0.68	3.50	ug/kg
72-43-5	Methoxychlor	1.70	U	0.76	1.70	3.50	ug/kg
53494-70-5	Endrin ketone	1.70	U	0.39	1.70	3.50	ug/kg
7421-93-4	Endrin aldehyde	1.70	U	0.76	1.70	3.50	ug/kg
5103-71-9	alpha-Chlordane	0.68	U	0.25	0.68	3.50	ug/kg
5103-74-2	gamma-Chlordane	0.68	U	0.31	0.68	3.50	ug/kg
8001-35-2	Toxaphene	35.0	U	11.1	35.0	68.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.3		55 - 130		91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		42 - 129		118%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	48.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089897.D	1	08/12/25 08:16	08/14/25 14:55	PB169206

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

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089898.D	1	08/12/25 08:16	08/14/25 15:09	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.37	U	0.15	0.37	1.90	ug/kg
319-85-7	beta-BHC	0.93	U	0.20	0.93	1.90	ug/kg
319-86-8	delta-BHC	0.93	U	0.44	0.93	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.37	U	0.16	0.37	1.90	ug/kg
76-44-8	Heptachlor	0.37	U	0.13	0.37	1.90	ug/kg
309-00-2	Aldrin	0.37	U	0.13	0.37	1.90	ug/kg
1024-57-3	Heptachlor epoxide	1.10	JP	0.21	0.93	1.90	ug/kg
959-98-8	Endosulfan I	0.37	U	0.16	0.37	1.90	ug/kg
60-57-1	Dieldrin	0.37	U	0.16	0.37	1.90	ug/kg
72-55-9	4,4-DDE	0.37	U	0.16	0.37	1.90	ug/kg
72-20-8	Endrin	0.37	U	0.16	0.37	1.90	ug/kg
33213-65-9	Endosulfan II	0.93	U	0.33	0.93	1.90	ug/kg
72-54-8	4,4-DDD	0.37	U	0.17	0.37	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.37	U	0.15	0.37	1.90	ug/kg
50-29-3	4,4-DDT	0.37	U	0.16	0.37	1.90	ug/kg
72-43-5	Methoxychlor	0.93	U	0.42	0.93	1.90	ug/kg
53494-70-5	Endrin ketone	0.93	U	0.21	0.93	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.93	U	0.42	0.93	1.90	ug/kg
5103-71-9	alpha-Chlordane	3.00	P	0.13	0.37	1.90	ug/kg
5103-74-2	gamma-Chlordane	1.40	J	0.17	0.37	1.90	ug/kg
8001-35-2	Toxaphene	19.1	U	6.10	19.1	37.1	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.8		55 - 130		99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.6		42 - 129		58%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089898.D	1	08/12/25 08:16	08/14/25 15:09	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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LAB CHRONICLE

OrderID:	Q2820	OrderDate:	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-09	705R-S	SOIL	PCB	8082A	08/07/25	08/12/25	08/13/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2820-09RE	705R-SRE	SOIL	Pesticide-TCL	8081B	08/07/25	08/12/25	08/15/25	08/08/25
Q2820-10	SOIL-DUP-2	SOIL	PCB	8082A	08/07/25	08/12/25	08/12/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2820-24	22M-S	SOIL	PCB	8082A	08/08/25	08/12/25	08/12/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	