

Hit Summary Sheet
SW-846

SDG No.: Q2819

Order ID: Q2819

Client: First Environment, Inc.

Project ID: USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : 11M-S									
Q2819-06	11M-S	SOIL	Heptachlor epoxide	27.3		0.21	0.92	1.90	ug/kg
Q2819-06	11M-S	SOIL	Dieldrin	131	E	0.15	0.36	1.90	ug/kg
Q2819-06	11M-S	SOIL	4,4-DDE	2.00		0.15	0.36	1.90	ug/kg
Q2819-06	11M-S	SOIL	alpha-Chlordane	51.3	E	0.13	0.36	1.90	ug/kg
Q2819-06	11M-S	SOIL	gamma-Chlordane	9.10		0.17	0.36	1.90	ug/kg
Total Concentration:				220.700					
Client ID : 11M-SDL									
Q2819-06DL	11M-SDL	SOIL	Heptachlor epoxide	28.5	D	1.00	4.60	9.40	ug/kg
Q2819-06DL	11M-SDL	SOIL	Dieldrin	137	D	0.77	1.80	9.40	ug/kg
Q2819-06DL	11M-SDL	SOIL	4,4-DDE	1.90	JD	0.77	1.80	9.40	ug/kg
Q2819-06DL	11M-SDL	SOIL	alpha-Chlordane	46.2	D	0.66	1.80	9.40	ug/kg
Q2819-06DL	11M-SDL	SOIL	gamma-Chlordane	8.50	JD	0.83	1.80	9.40	ug/kg
Total Concentration:				222.100					
Client ID : 84SB-W									
Q2819-11	84SB-W	SOIL	4,4-DDE	1.70	JP	0.16	0.38	2.00	ug/kg
Q2819-11	84SB-W	SOIL	4,4-DDT	2.30		0.16	0.38	2.00	ug/kg
Q2819-11	84SB-W	SOIL	alpha-Chlordane	8.40		0.14	0.38	2.00	ug/kg
Q2819-11	84SB-W	SOIL	gamma-Chlordane	4.40		0.17	0.38	2.00	ug/kg
Total Concentration:				16.800					
Client ID : 17M-W									
Q2819-14	17M-W	SOIL	4,4-DDE	11.7	P	0.16	0.38	2.00	ug/kg
Q2819-14	17M-W	SOIL	4,4-DDT	12.1	P	0.16	0.38	2.00	ug/kg
Q2819-14	17M-W	SOIL	alpha-Chlordane	390	EP	0.14	0.38	2.00	ug/kg
Q2819-14	17M-W	SOIL	gamma-Chlordane	328	EP	0.17	0.38	2.00	ug/kg
Total Concentration:				741.800					
Client ID : 17M-WDL									
Q2819-14DL	17M-WDL	SOIL	4,4-DDE	11.7	DP	0.33	0.77	4.00	ug/kg
Q2819-14DL	17M-WDL	SOIL	4,4-DDT	13.8	DP	0.33	0.77	4.00	ug/kg
Q2819-14DL	17M-WDL	SOIL	alpha-Chlordane	378	ED	0.28	0.77	4.00	ug/kg
Q2819-14DL	17M-WDL	SOIL	gamma-Chlordane	312	ED	0.35	0.77	4.00	ug/kg
Total Concentration:				715.500					
Client ID : 17M-WDL2									
Q2819-14DL2	17M-WDL2	SOIL	4,4-DDE	12.0	JDP	3.30	7.70	39.6	ug/kg
Q2819-14DL2	17M-WDL2	SOIL	4,4-DDT	14.8	JDP	3.30	7.70	39.6	ug/kg

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Project ID: USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2819-14DL2	17M-WDL2	SOIL	alpha-Chlordane	358	D	2.80	7.70	39.6	ug/kg
Q2819-14DL2	17M-WDL2	SOIL	gamma-Chlordane	300	D	3.50	7.70	39.6	ug/kg
Total Concentration:				684.800					



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:	11M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.5
Sample Wt/Vol:	30.05	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
PD089891.D	1	08/12/25 08:16	08/14/25 13:34	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.36	U	0.14	0.36	1.90	ug/kg
319-85-7	beta-BHC	0.92	U	0.20	0.92	1.90	ug/kg
319-86-8	delta-BHC	0.92	U	0.43	0.92	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.36	U	0.15	0.36	1.90	ug/kg
76-44-8	Heptachlor	0.36	U	0.13	0.36	1.90	ug/kg
309-00-2	Aldrin	0.36	U	0.13	0.36	1.90	ug/kg
1024-57-3	Heptachlor epoxide	27.3		0.21	0.92	1.90	ug/kg
959-98-8	Endosulfan I	0.36	U	0.15	0.36	1.90	ug/kg
60-57-1	Dieldrin	131	E	0.15	0.36	1.90	ug/kg
72-55-9	4,4-DDE	2.00		0.15	0.36	1.90	ug/kg
72-20-8	Endrin	0.36	U	0.15	0.36	1.90	ug/kg
33213-65-9	Endosulfan II	0.92	U	0.32	0.92	1.90	ug/kg
72-54-8	4,4-DDD	0.36	U	0.17	0.36	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.36	U	0.14	0.36	1.90	ug/kg
50-29-3	4,4-DDT	0.36	U	0.15	0.36	1.90	ug/kg
72-43-5	Methoxychlor	0.92	U	0.41	0.92	1.90	ug/kg
53494-70-5	Endrin ketone	0.92	U	0.21	0.92	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.92	U	0.41	0.92	1.90	ug/kg
5103-71-9	alpha-Chlordane	51.3	E	0.13	0.36	1.90	ug/kg
5103-74-2	gamma-Chlordane	9.10		0.17	0.36	1.90	ug/kg
8001-35-2	Toxaphene	18.8	U	6.00	18.8	36.4	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.3		55 - 130		91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.5		42 - 129		118%	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:	11M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.5
Sample Wt/Vol:	30.05	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
PD089891.D	1	08/12/25 08:16	08/14/25 13:34	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-SDL	SDG No.:	Q2819
Lab Sample ID:	Q2819-06DL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.5
Sample Wt/Vol:	30.05	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
PD089907.D	5	08/12/25 08:16	08/15/25 10:21	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	1.80	UD	0.72	1.80	9.40	ug/kg
319-85-7	beta-BHC	4.60	UD	0.99	4.60	9.40	ug/kg
319-86-8	delta-BHC	4.60	UD	2.20	4.60	9.40	ug/kg
58-89-9	gamma-BHC (Lindane)	1.80	UD	0.77	1.80	9.40	ug/kg
76-44-8	Heptachlor	1.80	UD	0.66	1.80	9.40	ug/kg
309-00-2	Aldrin	1.80	UD	0.66	1.80	9.40	ug/kg
1024-57-3	Heptachlor epoxide	28.5	D	1.00	4.60	9.40	ug/kg
959-98-8	Endosulfan I	1.80	UD	0.77	1.80	9.40	ug/kg
60-57-1	Dieldrin	137	D	0.77	1.80	9.40	ug/kg
72-55-9	4,4-DDE	1.90	JD	0.77	1.80	9.40	ug/kg
72-20-8	Endrin	1.80	UD	0.77	1.80	9.40	ug/kg
33213-65-9	Endosulfan II	4.60	UD	1.60	4.60	9.40	ug/kg
72-54-8	4,4-DDD	1.80	UD	0.83	1.80	9.40	ug/kg
1031-07-8	Endosulfan Sulfate	1.80	UD	0.72	1.80	9.40	ug/kg
50-29-3	4,4-DDT	1.80	UD	0.77	1.80	9.40	ug/kg
72-43-5	Methoxychlor	4.60	UD	2.00	4.60	9.40	ug/kg
53494-70-5	Endrin ketone	4.60	UD	1.00	4.60	9.40	ug/kg
7421-93-4	Endrin aldehyde	4.60	UD	2.00	4.60	9.40	ug/kg
5103-71-9	alpha-Chlordane	46.2	D	0.66	1.80	9.40	ug/kg
5103-74-2	gamma-Chlordane	8.50	JD	0.83	1.80	9.40	ug/kg
8001-35-2	Toxaphene	93.8	UD	29.8	93.8	182	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.1		55 - 130		101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.3		42 - 129		121%	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:	11M-SDL	SDG No.:	Q2819
Lab Sample ID:	Q2819-06DL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089907.D	5	08/12/25 08:16	08/15/25 10:21	PB169206

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

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-11	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.8
Sample Wt/Vol:	30.02	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
PD089892.D	1	08/12/25 08:16	08/14/25 13:47	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.38	U	0.15	0.38	2.00	ug/kg
319-85-7	beta-BHC	0.96	U	0.21	0.96	2.00	ug/kg
319-86-8	delta-BHC	0.96	U	0.45	0.96	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.38	U	0.16	0.38	2.00	ug/kg
76-44-8	Heptachlor	0.38	U	0.14	0.38	2.00	ug/kg
309-00-2	Aldrin	0.38	U	0.14	0.38	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.96	U	0.22	0.96	2.00	ug/kg
959-98-8	Endosulfan I	0.38	U	0.16	0.38	2.00	ug/kg
60-57-1	Dieldrin	0.38	U	0.16	0.38	2.00	ug/kg
72-55-9	4,4-DDE	1.70	JP	0.16	0.38	2.00	ug/kg
72-20-8	Endrin	0.38	U	0.16	0.38	2.00	ug/kg
33213-65-9	Endosulfan II	0.96	U	0.33	0.96	2.00	ug/kg
72-54-8	4,4-DDD	0.38	U	0.17	0.38	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.38	U	0.15	0.38	2.00	ug/kg
50-29-3	4,4-DDT	2.30		0.16	0.38	2.00	ug/kg
72-43-5	Methoxychlor	0.96	U	0.43	0.96	2.00	ug/kg
53494-70-5	Endrin ketone	0.96	U	0.22	0.96	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.96	U	0.43	0.96	2.00	ug/kg
5103-71-9	alpha-Chlordane	8.40		0.14	0.38	2.00	ug/kg
5103-74-2	gamma-Chlordane	4.40		0.17	0.38	2.00	ug/kg
8001-35-2	Toxaphene	19.6	U	6.20	19.6	38.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	11.9		55 - 130		60%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		42 - 129		82%	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:	84SB-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-11	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.8
Sample Wt/Vol:	30.02	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
PD089892.D	1	08/12/25 08:16	08/14/25 13:47	PB169206

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

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-14	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6
Sample Wt/Vol:	30.08	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
PD089893.D	1	08/12/25 08:16	08/14/25 14:01	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.39	U	0.15	0.38	2.00	ug/kg
319-85-7	beta-BHC	0.97	U	0.21	0.97	2.00	ug/kg
319-86-8	delta-BHC	0.97	U	0.45	0.97	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.39	U	0.16	0.38	2.00	ug/kg
76-44-8	Heptachlor	0.39	U	0.14	0.38	2.00	ug/kg
309-00-2	Aldrin	0.39	U	0.14	0.38	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.97	UM	0.22	0.97	2.00	ug/kg
959-98-8	Endosulfan I	0.39	U	0.16	0.38	2.00	ug/kg
60-57-1	Dieldrin	0.39	U	0.16	0.38	2.00	ug/kg
72-55-9	4,4-DDE	11.7	P	0.16	0.38	2.00	ug/kg
72-20-8	Endrin	0.39	U	0.16	0.38	2.00	ug/kg
33213-65-9	Endosulfan II	0.97	U	0.34	0.97	2.00	ug/kg
72-54-8	4,4-DDD	0.39	U	0.17	0.38	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.39	U	0.15	0.38	2.00	ug/kg
50-29-3	4,4-DDT	12.1	P	0.16	0.38	2.00	ug/kg
72-43-5	Methoxychlor	0.97	U	0.43	0.97	2.00	ug/kg
53494-70-5	Endrin ketone	0.97	U	0.22	0.97	2.00	ug/kg
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5103-74-2	gamma-Chlordane	328	EPM	0.17	0.38	2.00	ug/kg
8001-35-2	Toxaphene	19.8	U	6.30	19.8	38.4	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.2		55 - 130		96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.7		42 - 129		119%	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:	17M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-14	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6
Sample Wt/Vol:	30.08	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
PD089893.D	1	08/12/25 08:16	08/14/25 14:01	PB169206

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

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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:	17M-WDL	SDG No.:	Q2819
Lab Sample ID:	Q2819-14DL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089908.D	2	08/12/25 08:16	08/15/25 10:35	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.77	UD	0.30	0.77	4.00	ug/kg
319-85-7	beta-BHC	1.90	UD	0.42	1.90	4.00	ug/kg
319-86-8	delta-BHC	1.90	UD	0.91	1.90	4.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.77	UD	0.33	0.77	4.00	ug/kg
76-44-8	Heptachlor	0.77	UD	0.28	0.77	4.00	ug/kg
309-00-2	Aldrin	0.77	UD	0.28	0.77	4.00	ug/kg
1024-57-3	Heptachlor epoxide	1.90	UD	0.44	1.90	4.00	ug/kg
959-98-8	Endosulfan I	0.77	UD	0.33	0.77	4.00	ug/kg
60-57-1	Dieldrin	0.77	UD	0.33	0.77	4.00	ug/kg
72-55-9	4,4-DDE	11.7	DP	0.33	0.77	4.00	ug/kg
72-20-8	Endrin	0.77	UD	0.33	0.77	4.00	ug/kg
33213-65-9	Endosulfan II	1.90	UD	0.68	1.90	4.00	ug/kg
72-54-8	4,4-DDD	0.77	UD	0.35	0.77	4.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.77	UD	0.30	0.77	4.00	ug/kg
50-29-3	4,4-DDT	13.8	DP	0.33	0.77	4.00	ug/kg
72-43-5	Methoxychlor	1.90	UD	0.86	1.90	4.00	ug/kg
53494-70-5	Endrin ketone	1.90	UD	0.44	1.90	4.00	ug/kg
7421-93-4	Endrin aldehyde	1.90	UD	0.86	1.90	4.00	ug/kg
5103-71-9	alpha-Chlordane	378	ED	0.28	0.77	4.00	ug/kg
5103-74-2	gamma-Chlordane	312	ED	0.35	0.77	4.00	ug/kg
8001-35-2	Toxaphene	39.6	UD	12.6	39.6	76.9	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.8		55 - 130		104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.6		42 - 129		123%	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:	17M-WDL	SDG No.:	Q2819
Lab Sample ID:	Q2819-14DL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6
Sample Wt/Vol:	30.08	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
PD089908.D	2	08/12/25 08:16	08/15/25 10:35	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-WDL2	SDG No.:	Q2819
Lab Sample ID:	Q2819-14DL2	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6
Sample Wt/Vol:	30.08	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
PD089909.D	20	08/12/25 08:16	08/15/25 10:49	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	7.70	UD	3.00	7.70	39.6	ug/kg
319-85-7	beta-BHC	19.3	UD	4.20	19.3	39.6	ug/kg
319-86-8	delta-BHC	19.3	UD	9.10	19.3	39.6	ug/kg
58-89-9	gamma-BHC (Lindane)	7.70	UD	3.30	7.70	39.6	ug/kg
76-44-8	Heptachlor	7.70	UD	2.80	7.70	39.6	ug/kg
309-00-2	Aldrin	7.70	UD	2.80	7.70	39.6	ug/kg
1024-57-3	Heptachlor epoxide	19.3	UD	4.40	19.3	39.6	ug/kg
959-98-8	Endosulfan I	7.70	UD	3.30	7.70	39.6	ug/kg
60-57-1	Dieldrin	7.70	UD	3.30	7.70	39.6	ug/kg
72-55-9	4,4-DDE	12.0	JDP	3.30	7.70	39.6	ug/kg
72-20-8	Endrin	7.70	UD	3.30	7.70	39.6	ug/kg
33213-65-9	Endosulfan II	19.3	UD	6.80	19.3	39.6	ug/kg
72-54-8	4,4-DDD	7.70	UD	3.50	7.70	39.6	ug/kg
1031-07-8	Endosulfan Sulfate	7.70	UD	3.00	7.70	39.6	ug/kg
50-29-3	4,4-DDT	14.8	JDP	3.30	7.70	39.6	ug/kg
72-43-5	Methoxychlor	19.3	UD	8.60	19.3	39.6	ug/kg
53494-70-5	Endrin ketone	19.3	UD	4.40	19.3	39.6	ug/kg
7421-93-4	Endrin aldehyde	19.3	UD	8.60	19.3	39.6	ug/kg
5103-71-9	alpha-Chlordane	358	D	2.80	7.70	39.6	ug/kg
5103-74-2	gamma-Chlordane	300	D	3.50	7.70	39.6	ug/kg
8001-35-2	Toxaphene	396	UD	126	396	769	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.8		55 - 130		94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	26.4	*	42 - 129		132%	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:	17M-WDL2	SDG No.:	Q2819
Lab Sample ID:	Q2819-14DL2	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6
Sample Wt/Vol:	30.08	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
PD089909.D	20	08/12/25 08:16	08/15/25 10:49	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	Q2819	OrderDate:	8/11/2025 12:06:00 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
Q2819-06	11M-S	SOIL			08/05/25			08/08/25
			PCB	8082A		08/12/25	08/12/25	
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2819-06DL	11M-SDL	SOIL			08/05/25			08/08/25
			Pesticide-TCL	8081B		08/12/25	08/15/25	
Q2819-11	84SB-W	SOIL			08/05/25			08/08/25
			PCB	8082A		08/12/25	08/12/25	
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2819-14	17M-W	SOIL			08/05/25			08/08/25
			PCB	8082A		08/12/25	08/12/25	
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2819-14DL	17M-WDL	SOIL			08/05/25			08/08/25
			Pesticide-TCL	8081B		08/12/25	08/15/25	
Q2819-14DL 2	17M-WDL2	SOIL			08/05/25			08/08/25
			Pesticide-TCL	8081B		08/12/25	08/15/25	