

LAB CHRONICLE

OrderID:	Q2529	OrderDate:	7/8/2025 3:36:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2529-01	TP-91	SOIL	Pesticide-TCL	8081B	07/03/25	07/09/25	07/09/25	07/08/25
Q2529-02	TP-80	SOIL	Pesticide-TCL	8081B	07/07/25	07/09/25	07/09/25	07/08/25
Q2529-03	TP-79	SOIL	Pesticide-TCL	8081B	07/07/25	07/09/25	07/09/25	07/08/25
Q2529-04	TP-95	SOIL	Pesticide-TCL	8081B	07/07/25	07/09/25	07/09/25	07/08/25
Q2529-05	TP-98	SOIL	Pesticide-TCL	8081B	07/07/25	07/09/25	07/09/25	07/08/25
Q2529-06	TP-102	SOIL	Pesticide-TCL	8081B	07/07/25	07/09/25	07/09/25	07/08/25
Q2529-07	TP-101	SOIL	Pesticide-TCL	8081B	07/07/25	07/09/25	07/09/25	07/08/25
Q2529-08	TP-89	SOIL	Pesticide-TCL	8081B	07/08/25	07/09/25	07/09/25	07/08/25
Q2529-09	TP-33	SOIL	Pesticide-TCL	8081B	07/08/25	07/09/25	07/09/25	07/08/25
Q2529-10	TP-30	SOIL	Pesticide-TCL	8081B	07/08/25	07/09/25	07/09/25	07/08/25

Hit Summary Sheet
SW-846

SDG No.: Q2529

Order ID: Q2529

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-91								
Q2529-01	TP-91	SOIL	4,4-DDE	0.42	JP	0.15	1.90	ug/kg
Q2529-01	TP-91	SOIL	4,4-DDT	0.53	JP	0.15	1.90	ug/kg
Total Concentration:				0.950				
Client ID : TP-80								
Q2529-02	TP-80	SOIL	Dieldrin	1.30	JP	0.15	1.90	ug/kg
Q2529-02	TP-80	SOIL	Endrin	0.70	J	0.15	1.90	ug/kg
Q2529-02	TP-80	SOIL	4,4-DDT	0.56	JP	0.15	1.90	ug/kg
Total Concentration:				2.560				



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-91	SDG No.:	Q2529
Lab Sample ID:	Q2529-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.9
Sample Wt/Vol:	30.03	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
PD089414.D	1	07/09/25 08:20	07/09/25 17:39	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.42	JP	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.53	JP	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.1		20 - 144	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		19 - 148	85%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	07/03/25	
Project:	South River WM Replacement		Date Received:	07/08/25	
Client Sample ID:	TP-91		SDG No.:	Q2529	
Lab Sample ID:	Q2529-01		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	90.9	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089414.D	1	07/09/25 08:20	07/09/25 17:39	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-80	SDG No.:	Q2529
Lab Sample ID:	Q2529-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.7
Sample Wt/Vol:	30.07	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
PD089415.D	1	07/09/25 08:20	07/09/25 17:52	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	1.30	JP	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-20-8	Endrin	0.70	J	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.56	JP	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.0		20 - 144	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		19 - 148	89%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	07/07/25	
Project:	South River WM Replacement		Date Received:	07/08/25	
Client Sample ID:	TP-80		SDG No.:	Q2529	
Lab Sample ID:	Q2529-02		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	90.7	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089415.D	1	07/09/25 08:20	07/09/25 17:52	PB168765

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

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-79	SDG No.:	Q2529
Lab Sample ID:	Q2529-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.6
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
PD089416.D	1	07/09/25 08:20	07/09/25 18:06	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.9		20 - 144	70%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		19 - 148	88%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	07/07/25	
Project:	South River WM Replacement		Date Received:	07/08/25	
Client Sample ID:	TP-79		SDG No.:	Q2529	
Lab Sample ID:	Q2529-03		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	90.6	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089416.D	1	07/09/25 08:20	07/09/25 18:06	PB168765

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-95	SDG No.:	Q2529
Lab Sample ID:	Q2529-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7
Sample Wt/Vol:	30.05	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
PD089417.D	1	07/09/25 08:20	07/09/25 18:20	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.8		20 - 144	59%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		19 - 148	82%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-95	SDG No.:	Q2529
Lab Sample ID:	Q2529-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7
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
PD089417.D	1	07/09/25 08:20	07/09/25 18:20	PB168765

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

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-98	SDG No.:	Q2529
Lab Sample ID:	Q2529-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.9
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089418.D	1	07/09/25 08:20	07/09/25 18:33	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	38.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.4		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.7		19 - 148	99%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	07/07/25	
Project:	South River WM Replacement		Date Received:	07/08/25	
Client Sample ID:	TP-98		SDG No.:	Q2529	
Lab Sample ID:	Q2529-05		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	86.9	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089418.D	1	07/09/25 08:20	07/09/25 18:33	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-102	SDG No.:	Q2529
Lab Sample ID:	Q2529-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	95.6
Sample Wt/Vol:	30.06	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
PD089419.D	1	07/09/25 08:20	07/09/25 18:47	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.41	U	0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.60	U	5.60	34.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.8		20 - 144	59%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.8		19 - 148	69%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	07/07/25	
Project:	South River WM Replacement		Date Received:	07/08/25	
Client Sample ID:	TP-102		SDG No.:	Q2529	
Lab Sample ID:	Q2529-06		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	95.6	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089419.D	1	07/09/25 08:20	07/09/25 18:47	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	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

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N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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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:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-101	SDG No.:	Q2529
Lab Sample ID:	Q2529-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.7
Sample Wt/Vol:	30.02	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
PD089420.D	1	07/09/25 08:20	07/09/25 19:01	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.8		20 - 144	64%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		19 - 148	91%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	07/07/25	
Project:	South River WM Replacement		Date Received:	07/08/25	
Client Sample ID:	TP-101		SDG No.:	Q2529	
Lab Sample ID:	Q2529-07		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	89.7	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089420.D	1	07/09/25 08:20	07/09/25 19:01	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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P = Indicates >25% difference for detected concentrations between the two GC columns

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-89	SDG No.:	Q2529
Lab Sample ID:	Q2529-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.1
Sample Wt/Vol:	30.04	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
PD089421.D	1	07/09/25 08:20	07/09/25 19:14	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.3		20 - 144	67%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.9		19 - 148	89%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	07/08/25	
Project:	South River WM Replacement		Date Received:	07/08/25	
Client Sample ID:	TP-89		SDG No.:	Q2529	
Lab Sample ID:	Q2529-08		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	90.1	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089421.D	1	07/09/25 08:20	07/09/25 19:14	PB168765

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

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-33	SDG No.:	Q2529
Lab Sample ID:	Q2529-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.5
Sample Wt/Vol:	30.07	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
PD089422.D	1	07/09/25 08:20	07/09/25 19:28	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.3		20 - 144	81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		19 - 148	96%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	07/08/25	
Project:	South River WM Replacement		Date Received:	07/08/25	
Client Sample ID:	TP-33		SDG No.:	Q2529	
Lab Sample ID:	Q2529-09		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	90.5	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089422.D	1	07/09/25 08:20	07/09/25 19:28	PB168765

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

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-30	SDG No.:	Q2529
Lab Sample ID:	Q2529-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.4
Sample Wt/Vol:	30.02	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
PD089423.D	1	07/09/25 08:20	07/09/25 19:42	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	36.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.3		20 - 144	81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		19 - 148	94%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	07/08/25	
Project:	South River WM Replacement		Date Received:	07/08/25	
Client Sample ID:	TP-30		SDG No.:	Q2529	
Lab Sample ID:	Q2529-10		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	91.4	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089423.D	1	07/09/25 08:20	07/09/25 19:42	PB168765

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

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QC SUMMARY

Surrogate Summary

SDG No.: **Q2529**

Client: **CDM Smith**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD088990.D	PIBLK-PD088990.D	Decachlorobiphen	1	20	18.2	91		57	171
		Tetrachloro-m-xyl	1	20	16.1	80		61	148
		Decachlorobiphen	2	20	18.6	93		57	171
		Tetrachloro-m-xyl	2	20	17.7	88		61	148
I.BLK-PD089399.D	PIBLK-PD089399.D	Decachlorobiphen	1	20	21.9	110		57	171
		Tetrachloro-m-xyl	1	20	20.3	102		61	148
		Decachlorobiphen	2	20	23.9	120		57	171
		Tetrachloro-m-xyl	2	20	23.1	115		61	148
PB168765BL	PB168765BL	Decachlorobiphen	1	20	17.7	88		20	144
		Tetrachloro-m-xyl	1	20	15.8	79		19	148
		Decachlorobiphen	2	20	19.1	96		20	144
		Tetrachloro-m-xyl	2	20	18.4	92		19	148
PB168765BS	PB168765BS	Decachlorobiphen	1	20	18.5	93		20	144
		Tetrachloro-m-xyl	1	20	16.2	81		19	148
		Decachlorobiphen	2	20	20.2	101		20	144
		Tetrachloro-m-xyl	2	20	18.9	95		19	148
Q2517-01MS	TP-14MS	Decachlorobiphen	1	20	20.7	104		20	144
		Tetrachloro-m-xyl	1	20	18.3	91		19	148
		Decachlorobiphen	2	20	22.0	110		20	144
		Tetrachloro-m-xyl	2	20	20.9	104		19	148
Q2517-01MSD	TP-14MSD	Decachlorobiphen	1	20	20.8	104		20	144
		Tetrachloro-m-xyl	1	20	18.6	93		19	148
		Decachlorobiphen	2	20	22.0	110		20	144
		Tetrachloro-m-xyl	2	20	21.1	105		19	148
I.BLK-PD089412.D	PIBLK-PD089412.D	Decachlorobiphen	1	20	19.8	99		57	171
		Tetrachloro-m-xyl	1	20	20.5	103		61	148
		Decachlorobiphen	2	20	21.5	107		57	171
		Tetrachloro-m-xyl	2	20	23.1	115		61	148
Q2529-01	TP-91	Decachlorobiphen	1	20	13.1	66		20	144
		Tetrachloro-m-xyl	1	20	15.4	77		19	148
		Decachlorobiphen	2	20	13.1	66		20	144
		Tetrachloro-m-xyl	2	20	16.9	85		19	148
Q2529-02	TP-80	Decachlorobiphen	1	20	18.0	90		20	144
		Tetrachloro-m-xyl	1	20	15.9	79		19	148
		Decachlorobiphen	2	20	16.1	80		20	144
		Tetrachloro-m-xyl	2	20	17.7	89		19	148
Q2529-03	TP-79	Decachlorobiphen	1	20	13.7	69		20	144
		Tetrachloro-m-xyl	1	20	16.1	80		19	148
		Decachlorobiphen	2	20	13.9	70		20	144
		Tetrachloro-m-xyl	2	20	17.6	88		19	148
Q2529-04	TP-95	Decachlorobiphen	1	20	11.8	59		20	144

Surrogate Summary

SDG No.: **Q2529**

Client: **CDM Smith**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q2529-04	TP-95	Tetrachloro-m-xyl	1	20	14.9	75		19	148
		Decachlorobiphen	2	20	11.8	59		20	144
Q2529-05	TP-98	Tetrachloro-m-xyl	2	20	16.4	82		19	148
		Decachlorobiphen	1	20	14.3	72		20	144
		Tetrachloro-m-xyl	1	20	17.9	90		19	148
		Decachlorobiphen	2	20	15.4	77		20	144
		Tetrachloro-m-xyl	2	20	19.7	99		19	148
Q2529-06	TP-102	Decachlorobiphen	1	20	11.8	59		20	144
		Tetrachloro-m-xyl	1	20	12.6	63		19	148
		Decachlorobiphen	2	20	10.1	51		20	144
		Tetrachloro-m-xyl	2	20	13.8	69		19	148
Q2529-07	TP-101	Decachlorobiphen	1	20	12.8	64		20	144
		Tetrachloro-m-xyl	1	20	16.3	81		19	148
		Decachlorobiphen	2	20	12.3	61		20	144
		Tetrachloro-m-xyl	2	20	18.2	91		19	148
Q2529-08	TP-89	Decachlorobiphen	1	20	13.0	65		20	144
		Tetrachloro-m-xyl	1	20	15.7	78		19	148
		Decachlorobiphen	2	20	13.3	67		20	144
		Tetrachloro-m-xyl	2	20	17.9	89		19	148
Q2529-09	TP-33	Decachlorobiphen	1	20	15.6	78		20	144
		Tetrachloro-m-xyl	1	20	17.1	86		19	148
		Decachlorobiphen	2	20	16.3	81		20	144
		Tetrachloro-m-xyl	2	20	19.1	96		19	148
Q2529-10	TP-30	Decachlorobiphen	1	20	15.5	77		20	144
		Tetrachloro-m-xyl	1	20	16.8	84		19	148
		Decachlorobiphen	2	20	16.3	81		20	144
		Tetrachloro-m-xyl	2	20	18.9	94		19	148
I.BLK-PD089424.D	PIBLK-PD089424.D	Decachlorobiphen	1	20	21.6	108		57	171
		Tetrachloro-m-xyl	1	20	20.9	104		61	148
		Decachlorobiphen	2	20	23.3	117		57	171
		Tetrachloro-m-xyl	2	20	24.3	121		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2529</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089405.D</u>

	Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD		Limits		
			Qual				RPD	Qual	Low	High	RPD	
Lab Sample ID:	Q2517-01MS (Column 1)	Client Sample ID:		TP-14MS								
	alpha-BHC	18.96	0	17.8	ug/kg	94				60	144	
	beta-BHC	18.96	0	17.7	ug/kg	93				54	143	
	delta-BHC	18.96	0	19.1	ug/kg	101				29	151	
	gamma-BHC (Lindane)	18.96	0	17.9	ug/kg	94				61	140	
	Heptachlor	18.96	0	18.2	ug/kg	96				63	135	
	Aldrin	18.96	0	18.3	ug/kg	97				49	139	
	Heptachlor epoxide	18.96	0	17.9	ug/kg	94				41	156	
	Endosulfan I	18.96	0	18.0	ug/kg	95				56	142	
	Dieldrin	18.96	0	18.1	ug/kg	95				47	161	
	4,4'-DDE	18.96	0	18.1	ug/kg	95				55	136	
	Endrin	18.96	0	18.2	ug/kg	96				57	139	
	Endosulfan II	18.96	0	14.6	ug/kg	77				40	163	
	4,4'-DDD	18.96	0	18.4	ug/kg	97				47	163	
	Endosulfan sulfate	18.96	0	17.7	ug/kg	93				62	139	
	4,4'-DDT	18.96	0	18.2	ug/kg	96				51	146	
	Methoxychlor	18.96	0	17.8	ug/kg	94				54	136	
	Endrin ketone	18.96	0	18.2	ug/kg	96				60	129	
	Endrin aldehyde	18.96	0	18.0	ug/kg	95				59	132	
	alpha-Chlordane	18.96	0	17.9	ug/kg	94				39	166	
	gamma-Chlordane	18.96	0	17.3	ug/kg	91				44	175	
Lab Sample ID:	Q2517-01MS (Column 2)	Client Sample ID:		TP-14MS								
	alpha-BHC	18.96	0	18.7	ug/kg	99				60	144	
	beta-BHC	18.96	0	18.3	ug/kg	97				54	143	
	delta-BHC	18.96	0	18.8	ug/kg	99				29	151	
	gamma-BHC (Lindane)	18.96	0	18.7	ug/kg	99				61	140	
	Heptachlor	18.96	0	18.5	ug/kg	98				63	135	
	Aldrin	18.96	0	18.7	ug/kg	99				49	139	
	Heptachlor epoxide	18.96	0	18.6	ug/kg	98				41	156	
	Endosulfan I	18.96	0	18.6	ug/kg	98				56	142	
	Dieldrin	18.96	0	18.6	ug/kg	98				47	161	
	4,4'-DDE	18.96	0	18.8	ug/kg	99				55	136	
	Endrin	18.96	0	18.2	ug/kg	96				57	139	
	Endosulfan II	18.96	0	18.7	ug/kg	99				40	163	
	4,4'-DDD	18.96	0	17.4	ug/kg	92				47	163	
	Endosulfan sulfate	18.96	0	18.3	ug/kg	97				62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2529</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089405.D</u>

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits		RPD
		Result	Result			Qual	RPD	Qual	Low	High		
4,4'-DDT	18.96	0	18.7	ug/kg	99					51	146	
Methoxychlor	18.96	0	18.1	ug/kg	95					54	136	
Endrin ketone	18.96	0	18.7	ug/kg	99					60	129	
Endrin aldehyde	18.96	0	18.4	ug/kg	97					59	132	
alpha-Chlordane	18.96	0	19.1	ug/kg	101					39	166	
gamma-Chlordane	18.96	0	18.2	ug/kg	96					44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2529 **Analytical Method:** 8081B
Client: CDM Smith **DataFile :** PD089406.D

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD		Low	Limits		RPD
			Result					Qual	RPD		High		
Lab Sample ID:	Q2517-01MSD (Column 1)	Client Sample ID:		TP-14MSD									
	alpha-BHC	18.95	0	18.1	ug/kg	96		2		60	144		20
	beta-BHC	18.95	0	17.9	ug/kg	94		1		54	143		20
	delta-BHC	18.95	0	19.4	ug/kg	102		1		29	151		20
	gamma-BHC (Lindane)	18.95	0	18.3	ug/kg	97		3		61	140		20
	Heptachlor	18.95	0	18.5	ug/kg	98		2		63	135		20
	Aldrin	18.95	0	18.3	ug/kg	97		0		49	139		20
	Heptachlor epoxide	18.95	0	18.1	ug/kg	96		2		41	156		20
	Endosulfan I	18.95	0	18.2	ug/kg	96		1		56	142		20
	Dieldrin	18.95	0	18.3	ug/kg	97		2		47	161		20
	4,4'-DDE	18.95	0	18.3	ug/kg	97		2		55	136		20
	Endrin	18.95	0	18.4	ug/kg	97		1		57	139		20
	Endosulfan II	18.95	0	14.6	ug/kg	77		0		40	163		20
	4,4'-DDD	18.95	0	18.7	ug/kg	99		2		47	163		20
	Endosulfan sulfate	18.95	0	17.8	ug/kg	94		1		62	139		20
	4,4'-DDT	18.95	0	18.4	ug/kg	97		1		51	146		20
	Methoxychlor	18.95	0	18.0	ug/kg	95		1		54	136		20
	Endrin ketone	18.95	0	18.3	ug/kg	97		1		60	129		20
	Endrin aldehyde	18.95	0	18.3	ug/kg	97		2		59	132		20
	alpha-Chlordane	18.95	0	18.1	ug/kg	96		2		39	166		20
	gamma-Chlordane	18.95	0	17.5	ug/kg	92		1		44	175		20
Lab Sample ID:	Q2517-01MSD (Column 2)	Client Sample ID:		TP-14MSD									
	alpha-BHC	18.95	0	19.0	ug/kg	100		1		60	144		20
	beta-BHC	18.95	0	18.7	ug/kg	99		2		54	143		20
	delta-BHC	18.95	0	19.1	ug/kg	101		2		29	151		20
	gamma-BHC (Lindane)	18.95	0	19.1	ug/kg	101		2		61	140		20
	Heptachlor	18.95	0	18.9	ug/kg	100		2		63	135		20
	Aldrin	18.95	0	19.1	ug/kg	101		2		49	139		20
	Heptachlor epoxide	18.95	0	18.8	ug/kg	99		1		41	156		20
	Endosulfan I	18.95	0	18.9	ug/kg	100		2		56	142		20
	Dieldrin	18.95	0	18.9	ug/kg	100		2		47	161		20
	4,4'-DDE	18.95	0	19.1	ug/kg	101		2		55	136		20
	Endrin	18.95	0	18.5	ug/kg	98		2		57	139		20
	Endosulfan II	18.95	0	18.8	ug/kg	99		0		40	163		20
	4,4'-DDD	18.95	0	17.7	ug/kg	93		1		47	163		20
	Endosulfan sulfate	18.95	0	18.5	ug/kg	98		1		62	139		20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2529</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089406.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
		Result	Result							High	RPD
4,4'-DDT	18.95	0	18.9	ug/kg	100		1		51	146	20
Methoxychlor	18.95	0	18.2	ug/kg	96		1		54	136	20
Endrin ketone	18.95	0	18.8	ug/kg	99		0		60	129	20
Endrin aldehyde	18.95	0	18.5	ug/kg	98		1		59	132	20
alpha-Chlordane	18.95	0	19.5	ug/kg	103		2		39	166	20
gamma-Chlordane	18.95	0	18.5	ug/kg	98		2		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2529</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	Datafile :	<u>PD089403.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168765BS (Column 1)	alpha-BHC	16.66	18.1	ug/kg	109				84	123	
	beta-BHC	16.66	17.2	ug/kg	103				82	123	
	delta-BHC	16.66	19.3	ug/kg	116				83	126	
	gamma-BHC (Lindane)	16.66	18.1	ug/kg	109				83	125	
	Heptachlor	16.66	18.6	ug/kg	112				83	122	
	Aldrin	16.66	18.4	ug/kg	110				82	124	
	Heptachlor epoxide	16.66	18.1	ug/kg	109				83	120	
	Endosulfan I	16.66	18.4	ug/kg	110				81	124	
	Dieldrin	16.66	18.6	ug/kg	112				85	121	
	4,4'-DDE	16.66	18.6	ug/kg	112				81	123	
	Endrin	16.66	17.9	ug/kg	107				76	130	
	Endosulfan II	16.66	18.6	ug/kg	112				80	125	
	4,4'-DDD	16.66	18.6	ug/kg	112				80	131	
	Endosulfan sulfate	16.66	18.4	ug/kg	110				81	122	
	4,4'-DDT	16.66	18.8	ug/kg	113				70	129	
	Methoxychlor	16.66	18.0	ug/kg	108				60	119	
	Endrin ketone	16.66	18.9	ug/kg	113				77	132	
	Endrin aldehyde	16.66	18.5	ug/kg	111				79	124	
	alpha-Chlordane	16.66	18.2	ug/kg	109				84	120	
	gamma-Chlordane	16.66	18.5	ug/kg	111				83	122	
PB168765BS (Column 2)	alpha-BHC	16.66	18.9	ug/kg	113				84	123	
	beta-BHC	16.66	18.6	ug/kg	112				82	123	
	delta-BHC	16.66	19.0	ug/kg	114				83	126	
	gamma-BHC (Lindane)	16.66	19.0	ug/kg	114				83	125	
	Heptachlor	16.66	18.8	ug/kg	113				83	122	
	Aldrin	16.66	19.1	ug/kg	115				82	124	
	Heptachlor epoxide	16.66	19.2	ug/kg	115				83	120	
	Endosulfan I	16.66	19.2	ug/kg	115				81	124	
	Dieldrin	16.66	19.1	ug/kg	115				85	121	
	4,4'-DDE	16.66	19.1	ug/kg	115				81	123	
	Endrin	16.66	18.0	ug/kg	108				76	130	
	Endosulfan II	16.66	19.1	ug/kg	115				80	125	
	4,4'-DDD	16.66	19.2	ug/kg	115				80	131	
	Endosulfan sulfate	16.66	19.1	ug/kg	115				81	122	
	4,4'-DDT	16.66	19.1	ug/kg	115				70	129	
	Methoxychlor	16.66	18.2	ug/kg	109				60	119	
	Endrin ketone	16.66	19.4	ug/kg	116				77	132	
	Endrin aldehyde	16.66	19.0	ug/kg	114				79	124	
	alpha-Chlordane	16.66	18.9	ug/kg	113				84	120	
	gamma-Chlordane	16.66	18.9	ug/kg	113				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168765BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Lab Sample ID: PB168765BL

Lab File ID: PD089402.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/09/2025

Date Analyzed (1): 07/09/2025

Date Analyzed (2): 07/09/2025

Time Analyzed (1): 14:08

Time Analyzed (2): 14:08

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168765BS	PB168765BS	PD089403.D	07/09/2025	07/09/2025
TP-14MS	Q2517-01MS	PD089405.D	07/09/2025	07/09/2025
TP-14MSD	Q2517-01MSD	PD089406.D	07/09/2025	07/09/2025
TP-91	Q2529-01	PD089414.D	07/09/2025	07/09/2025
TP-80	Q2529-02	PD089415.D	07/09/2025	07/09/2025
TP-79	Q2529-03	PD089416.D	07/09/2025	07/09/2025
TP-95	Q2529-04	PD089417.D	07/09/2025	07/09/2025
TP-98	Q2529-05	PD089418.D	07/09/2025	07/09/2025
TP-102	Q2529-06	PD089419.D	07/09/2025	07/09/2025
TP-101	Q2529-07	PD089420.D	07/09/2025	07/09/2025
TP-89	Q2529-08	PD089421.D	07/09/2025	07/09/2025
TP-33	Q2529-09	PD089422.D	07/09/2025	07/09/2025
TP-30	Q2529-10	PD089423.D	07/09/2025	07/09/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168765BL	SDG No.:	Q2529
Lab Sample ID:	PB168765BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089402.D	1	07/09/25 08:20	07/09/25 14:08	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.1		20 - 144	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168765BL		SDG No.:	Q2529	
Lab Sample ID:	PB168765BL		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089402.D	1	07/09/25 08:20	07/09/25 14:08	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	CDM Smith	Date Collected:	06/17/25
Project:	South River WM Replacement	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2529
Lab Sample ID:	I.BLK-PD088990.D	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
PD088990.D	1		06/17/25	PD061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.6		57 - 171	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		61 - 148	88%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/17/25	
Project:	South River WM Replacement		Date Received:	06/17/25	
Client Sample ID:	PIBLK-PD088990.D		SDG No.:	Q2529	
Lab Sample ID:	I.BLK-PD088990.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088990.D	1		06/17/25	PD061825

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PD089399.D	SDG No.:	Q2529
Lab Sample ID:	I.BLK-PD089399.D	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
PD089399.D	1		07/09/25	pd070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.9		57 - 171	120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.1		61 - 148	115%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	07/09/25	
Project:	South River WM Replacement		Date Received:	07/09/25	
Client Sample ID:	PIBLK-PD089399.D		SDG No.:	Q2529	
Lab Sample ID:	I.BLK-PD089399.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089399.D	1		07/09/25	pd070925

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

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PD089412.D	SDG No.:	Q2529
Lab Sample ID:	I.BLK-PD089412.D	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
PD089412.D	1		07/09/25	pd070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.5		57 - 171	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.1		61 - 148	115%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PD089412.D	SDG No.:	Q2529
Lab Sample ID:	I.BLK-PD089412.D	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
PD089412.D	1		07/09/25	pd070925

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

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PD089424.D	SDG No.:	Q2529
Lab Sample ID:	I.BLK-PD089424.D	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
PD089424.D	1		07/09/25	pd070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.3		57 - 171	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.3		61 - 148	121%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	07/09/25	
Project:	South River WM Replacement		Date Received:	07/09/25	
Client Sample ID:	PIBLK-PD089424.D		SDG No.:	Q2529	
Lab Sample ID:	I.BLK-PD089424.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089424.D	1		07/09/25	pd070925

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

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168765BS	SDG No.:	Q2529
Lab Sample ID:	PB168765BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
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
PD089403.D	1	07/09/25 08:20	07/09/25 14:21	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.9		0.13	1.70	ug/kg
319-85-7	beta-BHC	18.6		0.18	1.70	ug/kg
319-86-8	delta-BHC	19.3		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	19.0		0.14	1.70	ug/kg
76-44-8	Heptachlor	18.8		0.12	1.70	ug/kg
309-00-2	Aldrin	19.1		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	19.2		0.19	1.70	ug/kg
959-98-8	Endosulfan I	19.2		0.14	1.70	ug/kg
60-57-1	Dieldrin	19.1		0.14	1.70	ug/kg
72-55-9	4,4-DDE	19.1		0.14	1.70	ug/kg
72-20-8	Endrin	18.0		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	19.1		0.29	1.70	ug/kg
72-54-8	4,4-DDD	19.2		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	19.1		0.13	1.70	ug/kg
50-29-3	4,4-DDT	19.1		0.14	1.70	ug/kg
72-43-5	Methoxychlor	18.2		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	19.4		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	19.0		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.9		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.9		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		20 - 144	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		19 - 148	95%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168765BS		SDG No.:	Q2529	
Lab Sample ID:	PB168765BS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089403.D	1	07/09/25 08:20	07/09/25 14:21	PB168765

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

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B = Analyte Found in Associated Method Blank

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	TP-14MS	SDG No.:	Q2529
Lab Sample ID:	Q2517-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.8
Sample Wt/Vol:	30.04	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
PD089405.D	1	07/09/25 08:20	07/09/25 15:18	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.7		0.15	1.90	ug/kg
319-85-7	beta-BHC	18.3		0.20	1.90	ug/kg
319-86-8	delta-BHC	19.1		0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	18.7		0.16	1.90	ug/kg
76-44-8	Heptachlor	18.5		0.14	1.90	ug/kg
309-00-2	Aldrin	18.7		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	18.6		0.22	1.90	ug/kg
959-98-8	Endosulfan I	18.6		0.16	1.90	ug/kg
60-57-1	Dieldrin	18.6		0.16	1.90	ug/kg
72-55-9	4,4-DDE	18.8		0.16	1.90	ug/kg
72-20-8	Endrin	18.2		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	18.7		0.33	1.90	ug/kg
72-54-8	4,4-DDD	18.4		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	18.3		0.15	1.90	ug/kg
50-29-3	4,4-DDT	18.7		0.16	1.90	ug/kg
72-43-5	Methoxychlor	18.1		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	18.7		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	18.4		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	19.1		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	18.2		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.0		20 - 144	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		19 - 148	104%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	TP-14MS	SDG No.:	Q2529
Lab Sample ID:	Q2517-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.8
Sample Wt/Vol:	30.04	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
PD089405.D	1	07/09/25 08:20	07/09/25 15:18	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	TP-14MSD	SDG No.:	Q2529
Lab Sample ID:	Q2517-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.8
Sample Wt/Vol:	30.05	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
PD089406.D	1	07/09/25 08:20	07/09/25 15:31	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.0		0.15	1.90	ug/kg
319-85-7	beta-BHC	18.7		0.20	1.90	ug/kg
319-86-8	delta-BHC	19.4		0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	19.1		0.16	1.90	ug/kg
76-44-8	Heptachlor	18.9		0.14	1.90	ug/kg
309-00-2	Aldrin	19.1		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	18.8		0.22	1.90	ug/kg
959-98-8	Endosulfan I	18.9		0.16	1.90	ug/kg
60-57-1	Dieldrin	18.9		0.16	1.90	ug/kg
72-55-9	4,4-DDE	19.1		0.16	1.90	ug/kg
72-20-8	Endrin	18.5		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	18.8		0.33	1.90	ug/kg
72-54-8	4,4-DDD	18.7		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	18.5		0.15	1.90	ug/kg
50-29-3	4,4-DDT	18.9		0.16	1.90	ug/kg
72-43-5	Methoxychlor	18.2		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	18.8		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	18.5		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	19.5		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	18.5		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.0		20 - 144	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		19 - 148	105%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	TP-14MSD	SDG No.:	Q2529
Lab Sample ID:	Q2517-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.8
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
PD089406.D	1	07/09/25 08:20	07/09/25 15:31	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	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



CALIBRATION SUMMARY



A
B
C
D
E
F
G
H

Calibration Times: 15:52 16:47

LAB FILE ID:	RT 100 =	<u>PD088993.D</u>	RT 075 =	<u>PD088994.D</u>
	RT 050 =	PD088995.D	RT 025 =	PD088996.D
			RT 005 =	PD088997.D

[illegible]

A
B
C
D
E
F
G
H

Contract: **CAMP02**

SDG NO.: Q2529

Calibration Date(s): **06/17/2025** **06/17/2025**

Calibration Times: **15:52** **16:47**

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:		RT 100 =	<u>PD088993.D</u>	RT 075 =	<u>PD088994.D</u>
RT 050 =	PD088995.D	RT 025 =	PD088996.D	RT 005 =	PD088997.D

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: CAMP02
SDG NO.: Q2529

Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:		CF 100 =	<u>PD088993.D</u>	CF 075 =	<u>PD088994.D</u>		
CF 050 =		<u>PD088995.D</u>	CF 025 =	<u>PD088996.D</u>	CF 005 =	<u>PD088997.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3557450000	3439230000	3414120000	3228670000	3520780000	3432050000	4
4,4'-DDE	4564130000	4401240000	4312380000	4092310000	4435110000	4361030000	4
4,4'-DDT	3928430000	3802000000	3763430000	3580670000	3866490000	3788210000	3
Aldrin	5504150000	5312640000	5254800000	4989300000	5504000000	5312980000	4
alpha-BHC	6295370000	6031790000	5874750000	5417910000	5525530000	5829070000	6
alpha-Chlordane	4885060000	4758900000	4734630000	4584390000	5229700000	4838540000	5
beta-BHC	2136750000	2100860000	2137680000	2144670000	2515730000	2207140000	8
Decachlorobiphenyl	3598890000	3628150000	3773200000	3897960000	4739940000	3927630000	12
delta-BHC	5546280000	5292010000	5182350000	4751190000	4892690000	5132900000	6
Dieldrin	4933650000	4797080000	4750270000	4527510000	4978810000	4797470000	4
Endosulfan I	4511200000	4405770000	4412600000	4289200000	4918470000	4507450000	5
Endosulfan II	3829260000	3982180000	4002080000	3816490000	4553000000	4036600000	7
Endosulfan sulfate	3786900000	3718160000	3741600000	3667440000	4271990000	3837220000	6
Endrin	4238140000	4109540000	4096430000	3878120000	4305700000	4125590000	4
Endrin aldehyde	2964260000	2935670000	2964230000	2966830000	3488720000	3063940000	8
Endrin ketone	4050100000	3970810000	4004900000	3895960000	4443590000	4073070000	5
gamma-BHC (Lindane)	5900830000	5686510000	5566590000	5221690000	5532800000	5581680000	4
gamma-Chlordane	4869330000	4801300000	4716110000	4508810000	5045020000	4788110000	4
Heptachlor	5621840000	5429540000	5358570000	5116310000	5733550000	5451960000	4
Heptachlor epoxide	4794850000	4673610000	4749650000	4554690000	5346870000	4823940000	6
Methoxychlor	1926110000	1918890000	1971480000	1982080000	2304580000	2020630000	8
Tetrachloro-m-xylene	2812300000	2762040000	2767280000	2751820000	3172230000	2853130000	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: CAMP02
SDG NO.: Q2529

Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:		CF 100 =	<u>PD088993.D</u>	CF 075 =	<u>PD088994.D</u>		
CF 050 =		<u>PD088995.D</u>	CF 025 =	<u>PD088996.D</u>	CF 005 =	<u>PD088997.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	17754100000	17899700000	18191100000	18805800000	22996200000	19129400000	11
4,4'-DDE	21343500000	21440200000	21823600000	22564100000	27409000000	22916100000	11
4,4'-DDT	19391000000	19327800000	19594100000	20005200000	23078500000	20279300000	8
Aldrin	22719200000	22747700000	23159400000	23852800000	28607200000	24217300000	10
alpha-BHC	25649000000	25438700000	25849200000	26153100000	30895500000	26797100000	9
alpha-Chlordane	21191300000	21145300000	21570900000	22517200000	28059300000	22896800000	13
beta-BHC	9903630000	9918550000	10198200000	10624100000	13086800000	10746200000	12
Decachlorobiphenyl	17946500000	17939700000	18428600000	19427500000	25107500000	19770000000	15
delta-BHC	23614400000	23533700000	23918700000	24298300000	29003000000	24873600000	9
Dieldrin	21438700000	21622000000	22120600000	22941800000	27919200000	23208500000	12
Endosulfan I	19170300000	19201000000	19315500000	20752900000	25772600000	20842500000	14
Endosulfan II	18473200000	18573800000	19087100000	20002300000	24846800000	20196600000	13
Endosulfan sulfate	17925600000	18043500000	18492500000	19409200000	24234500000	19621100000	13
Endrin	20535400000	19906600000	20644700000	21276500000	26206500000	21713900000	12
Endrin aldehyde	13773600000	13920200000	14379400000	15195500000	19287900000	15311300000	15
Endrin ketone	19587400000	19824900000	20446500000	21535300000	26614600000	21601700000	13
gamma-BHC (Lindane)	23622800000	23442000000	23749900000	24221500000	28748400000	24756900000	9
gamma-Chlordane	22229100000	22022500000	22519500000	23493700000	29348800000	23922700000	13
Heptachlor	23291600000	23365200000	23922200000	24716000000	29896800000	25038400000	11
Heptachlor epoxide	20080600000	20251900000	20827300000	21695300000	26635200000	21898100000	12
Methoxychlor	9712450000	9897880000	10259100000	10830900000	13140100000	10768100000	13
Tetrachloro-m-xylene	15879800000	15866400000	15978000000	16730900000	20310700000	16953200000	11

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2529

Instrument ID: ECD_D Date(s) Analyzed: 06/17/2025 06/17/2025

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	33601800
		2	6.44	6.34	6.54	47528600
		3	7.15	7.05	7.25	87292700
		4	7.56	7.46	7.66	111357000
		5	7.93	7.83	8.03	63112600

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2529

Instrument ID: ECD_D Date(s) Analyzed: 06/17/2025 06/17/2025

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.47	5.37	5.57	158160000
		2	5.65	5.55	5.75	108820000
		3	6.76	6.66	6.86	511856000
		4	7.20	7.10	7.30	350145000
		5	7.33	7.23	7.43	253920000

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Continuing Calib Date: 07/09/2025

Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 13:54

Initial Calibration Time(s): 15:52 16:47

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Continuing Calib Date: 07/09/2025

Initial Calibration Date(s): 06/17/2025

06/17/2025

Continuing Calib Time: 13:54

Initial Calibration Time(s): 15:52

16:47

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.03	3.93	4.13	0.01
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.01
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.13	5.03	5.23	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2529
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089401.D **Time Analyzed:** 13:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.605	6.805	47.640	50.000	-4.7
4,4'-DDE	6.200	6.096	6.296	47.460	50.000	-5.1
4,4'-DDT	7.025	6.921	7.121	47.840	50.000	-4.3
Aldrin	5.275	5.171	5.371	47.380	50.000	-5.2
alpha-BHC	4.003	3.899	4.099	47.780	50.000	-4.4
alpha-Chlordane	6.030	5.927	6.127	47.010	50.000	-6.0
beta-BHC	4.520	4.415	4.615	46.410	50.000	-7.2
Decachlorobiphenyl	9.076	8.972	9.172	52.120	50.000	4.2
delta-BHC	4.768	4.664	4.864	49.460	50.000	-1.1
Dieldrin	6.350	6.247	6.447	47.540	50.000	-4.9
Endosulfan I	6.078	5.975	6.175	47.010	50.000	-6.0
Endosulfan II	6.790	6.686	6.886	47.510	50.000	-5.0
Endosulfan sulfate	7.153	7.049	7.249	46.870	50.000	-6.3
Endrin	6.578	6.475	6.675	46.110	50.000	-7.8
Endrin aldehyde	6.919	6.815	7.015	46.450	50.000	-7.1
Endrin ketone	7.634	7.530	7.730	48.060	50.000	-3.9
gamma-BHC (Lindane)	4.334	4.230	4.430	47.510	50.000	-5.0
gamma-Chlordane	5.950	5.846	6.046	47.070	50.000	-5.9
Heptachlor	4.934	4.829	5.029	48.280	50.000	-3.4
Heptachlor epoxide	5.695	5.591	5.791	46.180	50.000	-7.6
Methoxychlor	7.497	7.393	7.593	46.680	50.000	-6.6
Tetrachloro-m-xylene	3.554	3.450	3.650	46.300	50.000	-7.4

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2529
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089401.D **Time Analyzed:** 13:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.928	5.830	6.030	48.630	50.000	-2.7
4,4'-DDE	5.373	5.275	5.475	48.820	50.000	-2.4
4,4'-DDT	6.182	6.084	6.284	48.690	50.000	-2.6
Aldrin	4.367	4.269	4.469	48.800	50.000	-2.4
alpha-BHC	3.391	3.293	3.493	48.860	50.000	-2.3
alpha-Chlordane	5.188	5.091	5.291	48.670	50.000	-2.7
beta-BHC	4.023	3.926	4.126	47.840	50.000	-4.3
Decachlorobiphenyl	8.070	7.972	8.172	55.930	50.000	11.9
delta-BHC	4.260	4.162	4.362	48.670	50.000	-2.7
Dieldrin	5.511	5.413	5.613	48.480	50.000	-3.0
Endosulfan I	5.245	5.147	5.347	49.330	50.000	-1.3
Endosulfan II	6.079	5.981	6.181	48.430	50.000	-3.1
Endosulfan sulfate	6.481	6.383	6.583	48.620	50.000	-2.8
Endrin	5.787	5.689	5.889	46.580	50.000	-6.8
Endrin aldehyde	6.257	6.159	6.359	47.770	50.000	-4.5
Endrin ketone	6.990	6.892	7.092	49.090	50.000	-1.8
gamma-BHC (Lindane)	3.726	3.630	3.830	48.780	50.000	-2.4
gamma-Chlordane	5.124	5.026	5.226	48.660	50.000	-2.7
Heptachlor	4.081	3.983	4.183	47.720	50.000	-4.6
Heptachlor epoxide	4.871	4.773	4.973	49.840	50.000	-0.3
Methoxychlor	6.752	6.655	6.855	46.240	50.000	-7.5
Tetrachloro-m-xylene	2.878	2.780	2.980	48.620	50.000	-2.8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Continuing Calib Date: 07/09/2025

Initial Calibration Date(s): 06/17/2025

06/17/2025

Continuing Calib Time: 17:24

Initial Calibration Time(s): 15:52

16:47

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Continuing Calib Date: 07/09/2025

Initial Calibration Date(s): 06/17/2025

06/17/2025

Continuing Calib Time: 17:24

Initial Calibration Time(s): 15:52

16:47

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2529
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089413.D **Time Analyzed:** 17:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.708	6.605	6.805	45.880	50.000	-8.2
4,4'-DDE	6.199	6.096	6.296	45.280	50.000	-9.4
4,4'-DDT	7.024	6.921	7.121	43.960	50.000	-12.1
Aldrin	5.275	5.171	5.371	46.570	50.000	-6.9
alpha-BHC	4.003	3.899	4.099	47.370	50.000	-5.3
alpha-Chlordane	6.030	5.927	6.127	45.680	50.000	-8.6
beta-BHC	4.519	4.415	4.615	46.220	50.000	-7.6
Decachlorobiphenyl	9.076	8.972	9.172	50.570	50.000	1.1
delta-BHC	4.768	4.664	4.864	49.070	50.000	-1.9
Dieldrin	6.351	6.247	6.447	45.940	50.000	-8.1
Endosulfan I	6.078	5.975	6.175	45.610	50.000	-8.8
Endosulfan II	6.790	6.686	6.886	45.590	50.000	-8.8
Endosulfan sulfate	7.152	7.049	7.249	44.200	50.000	-11.6
Endrin	6.578	6.475	6.675	44.880	50.000	-10.2
Endrin aldehyde	6.918	6.815	7.015	43.500	50.000	-13.0
Endrin ketone	7.634	7.530	7.730	45.050	50.000	-9.9
gamma-BHC (Lindane)	4.334	4.230	4.430	46.980	50.000	-6.0
gamma-Chlordane	5.949	5.846	6.046	45.780	50.000	-8.4
Heptachlor	4.933	4.829	5.029	47.130	50.000	-5.7
Heptachlor epoxide	5.694	5.591	5.791	45.010	50.000	-10.0
Methoxychlor	7.496	7.393	7.593	42.190	50.000	-15.6
Tetrachloro-m-xylene	3.554	3.450	3.650	45.900	50.000	-8.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2529
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089413.D **Time Analyzed:** 17:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.929	5.830	6.030	47.540	50.000	-4.9
4,4'-DDE	5.375	5.275	5.475	47.860	50.000	-4.3
4,4'-DDT	6.183	6.084	6.284	46.570	50.000	-6.9
Aldrin	4.368	4.269	4.469	48.690	50.000	-2.6
alpha-BHC	3.393	3.293	3.493	49.090	50.000	-1.8
alpha-Chlordane	5.190	5.091	5.291	48.060	50.000	-3.9
beta-BHC	4.025	3.926	4.126	48.020	50.000	-4.0
Decachlorobiphenyl	8.073	7.972	8.172	52.410	50.000	4.8
delta-BHC	4.262	4.162	4.362	48.870	50.000	-2.3
Dieldrin	5.511	5.413	5.613	47.660	50.000	-4.7
Endosulfan I	5.246	5.147	5.347	48.310	50.000	-3.4
Endosulfan II	6.080	5.981	6.181	46.980	50.000	-6.0
Endosulfan sulfate	6.482	6.383	6.583	46.970	50.000	-6.1
Endrin	5.789	5.689	5.889	46.740	50.000	-6.5
Endrin aldehyde	6.258	6.159	6.359	46.010	50.000	-8.0
Endrin ketone	6.992	6.892	7.092	46.480	50.000	-7.0
gamma-BHC (Lindane)	3.728	3.630	3.830	48.710	50.000	-2.6
gamma-Chlordane	5.125	5.026	5.226	48.280	50.000	-3.4
Heptachlor	4.082	3.983	4.183	47.870	50.000	-4.3
Heptachlor epoxide	4.871	4.773	4.973	48.190	50.000	-3.6
Methoxychlor	6.754	6.655	6.855	44.730	50.000	-10.5
Tetrachloro-m-xylene	2.880	2.780	2.980	48.850	50.000	-2.3

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Continuing Calib Date: 07/09/2025

Initial Calibration Date(s): 06/17/2025

06/17/2025

Continuing Calib Time: 20:09

Initial Calibration Time(s): 15:52

16:47

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.01
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.01
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Continuing Calib Date: 07/09/2025

Initial Calibration Date(s): 06/17/2025

06/17/2025

Continuing Calib Time: 20:09

Initial Calibration Time(s): 15:52

16:47

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.13	5.03	5.23	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2529
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089425.D **Time Analyzed:** 20:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.605	6.805	46.270	50.000	-7.5
4,4'-DDE	6.195	6.096	6.296	45.890	50.000	-8.2
4,4'-DDT	7.020	6.921	7.121	44.560	50.000	-10.9
Aldrin	5.270	5.171	5.371	47.300	50.000	-5.4
alpha-BHC	3.999	3.899	4.099	48.090	50.000	-3.8
alpha-Chlordane	6.026	5.927	6.127	46.070	50.000	-7.9
beta-BHC	4.515	4.415	4.615	46.700	50.000	-6.6
Decachlorobiphenyl	9.071	8.972	9.172	51.740	50.000	3.5
delta-BHC	4.764	4.664	4.864	50.340	50.000	0.7
Dieldrin	6.345	6.247	6.447	46.270	50.000	-7.5
Endosulfan I	6.074	5.975	6.175	46.060	50.000	-7.9
Endosulfan II	6.785	6.686	6.886	45.820	50.000	-8.4
Endosulfan sulfate	7.148	7.049	7.249	44.990	50.000	-10.0
Endrin	6.573	6.475	6.675	44.280	50.000	-11.4
Endrin aldehyde	6.914	6.815	7.015	44.150	50.000	-11.7
Endrin ketone	7.629	7.530	7.730	45.340	50.000	-9.3
gamma-BHC (Lindane)	4.330	4.230	4.430	47.870	50.000	-4.3
gamma-Chlordane	5.945	5.846	6.046	46.360	50.000	-7.3
Heptachlor	4.929	4.829	5.029	47.400	50.000	-5.2
Heptachlor epoxide	5.690	5.591	5.791	46.080	50.000	-7.8
Methoxychlor	7.491	7.393	7.593	42.620	50.000	-14.8
Tetrachloro-m-xylene	3.550	3.450	3.650	46.860	50.000	-6.3

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2529
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089425.D **Time Analyzed:** 20:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.928	5.830	6.030	49.490	50.000	-1.0
4,4'-DDE	5.374	5.275	5.475	49.540	50.000	-0.9
4,4'-DDT	6.182	6.084	6.284	47.780	50.000	-4.4
Aldrin	4.368	4.269	4.469	50.210	50.000	0.4
alpha-BHC	3.393	3.293	3.493	50.410	50.000	0.8
alpha-Chlordane	5.189	5.091	5.291	49.500	50.000	-1.0
beta-BHC	4.025	3.926	4.126	49.730	50.000	-0.5
Decachlorobiphenyl	8.071	7.972	8.172	54.420	50.000	8.8
delta-BHC	4.261	4.162	4.362	50.380	50.000	0.8
Dieldrin	5.512	5.413	5.613	49.390	50.000	-1.2
Endosulfan I	5.246	5.147	5.347	49.970	50.000	-0.1
Endosulfan II	6.079	5.981	6.181	48.500	50.000	-3.0
Endosulfan sulfate	6.481	6.383	6.583	48.470	50.000	-3.1
Endrin	5.788	5.689	5.889	47.750	50.000	-4.5
Endrin aldehyde	6.258	6.159	6.359	47.430	50.000	-5.1
Endrin ketone	6.990	6.892	7.092	48.230	50.000	-3.5
gamma-BHC (Lindane)	3.728	3.630	3.830	50.320	50.000	0.6
gamma-Chlordane	5.124	5.026	5.226	49.780	50.000	-0.4
Heptachlor	4.082	3.983	4.183	49.380	50.000	-1.2
Heptachlor epoxide	4.872	4.773	4.973	51.060	50.000	2.1
Methoxychlor	6.753	6.655	6.855	45.850	50.000	-8.3
Tetrachloro-m-xylene	2.881	2.780	2.980	50.370	50.000	0.7

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD088991.D Date Analyzed: 06/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 15:25

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.071	8.970	9.170	21.440	20.000	7.2
Tetrachloro-m-xylene	3.550	3.500	3.600	19.860	20.000	-0.7
alpha-BHC	3.999	3.950	4.050	8.970	10.000	-10.3
beta-BHC	4.514	4.460	4.560	9.720	10.000	-2.8
gamma-BHC (Lindane)	4.330	4.280	4.380	9.320	10.000	-6.8
Endrin	6.574	6.500	6.640	50.260	50.000	0.5
4,4'-DDT	7.020	6.950	7.090	100.820	100.000	0.8
Methoxychlor	7.493	7.420	7.560	229.880	250.000	-8.0

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD088991.D Date Analyzed: 06/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 15:25

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.072	7.970	8.170	21.290	20.000	6.5
Tetrachloro-m-xylene	2.880	2.830	2.930	20.440	20.000	2.2
alpha-BHC	3.393	3.340	3.440	10.570	10.000	5.7
beta-BHC	4.025	3.970	4.080	10.750	10.000	7.5
gamma-BHC (Lindane)	3.729	3.680	3.780	10.580	10.000	5.8
Endrin	5.789	5.720	5.860	50.490	50.000	1.0
4,4'-DDT	6.183	6.110	6.250	96.080	100.000	-3.9
Methoxychlor	6.754	6.680	6.820	198.860	250.000	-20.5

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089400.D Date Analyzed: 07/09/2025

Lab Sample No.(PEM): PEM Time Analyzed: 13:22

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.081	8.980	9.180	23.500	20.000	17.5
Tetrachloro-m-xylene	3.556	3.510	3.610	22.740	20.000	13.7
alpha-BHC	4.006	3.960	4.060	10.770	10.000	7.7
beta-BHC	4.523	4.470	4.570	11.770	10.000	17.7
gamma-BHC (Lindane)	4.337	4.290	4.390	11.220	10.000	12.2
Endrin	6.581	6.510	6.650	57.850	50.000	15.7
4,4'-DDT	7.028	6.960	7.100	118.490	100.000	18.5
Methoxychlor	7.500	7.430	7.570	265.990	250.000	6.4

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089400.D Date Analyzed: 07/09/2025

Lab Sample No.(PEM): PEM Time Analyzed: 13:22

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.072	7.970	8.170	25.160	20.000	25.8
Tetrachloro-m-xylene	2.878	2.830	2.930	24.700	20.000	23.5
alpha-BHC	3.391	3.340	3.440	12.900	10.000	29.0
beta-BHC	4.024	3.970	4.070	12.710	10.000	27.1
gamma-BHC (Lindane)	3.728	3.680	3.780	12.690	10.000	26.9
Endrin	5.788	5.720	5.860	55.550	50.000	11.1
4,4'-DDT	6.183	6.110	6.250	112.280	100.000	12.3
Methoxychlor	6.753	6.680	6.820	213.420	250.000	-14.6

Analytical Sequence

Client: CDM Smith	SDG No.: Q2529
Project: South River WM Replacement	Instrument ID: ECD_D
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 06/17/2025 06/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	06/17/2025	15:11	PD088990.D	9.07	3.55
PEM	PEM	06/17/2025	15:25	PD088991.D	9.07	3.55
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	9.07	3.55
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	9.07	3.55
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	9.07	3.55
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	9.07	3.55
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	9.07	3.55
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	9.07	3.55
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	9.07	3.55
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	9.07	3.55
IBLK	IBLK	07/09/2025	11:14	PD089399.D	9.08	3.56
PEM	PEM	07/09/2025	13:22	PD089400.D	9.08	3.56
PSTDCCC050	PSTDCCC050	07/09/2025	13:54	PD089401.D	9.08	3.55
PB168765BL	PB168765BL	07/09/2025	14:08	PD089402.D	9.07	3.55
PB168765BS	PB168765BS	07/09/2025	14:21	PD089403.D	9.07	3.55
TP-14MS	Q2517-01MS	07/09/2025	15:18	PD089405.D	9.07	3.55
TP-14MSD	Q2517-01MSD	07/09/2025	15:31	PD089406.D	9.07	3.55
IBLK	IBLK	07/09/2025	16:54	PD089412.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/09/2025	17:24	PD089413.D	9.08	3.55
TP-91	Q2529-01	07/09/2025	17:39	PD089414.D	9.07	3.55
TP-80	Q2529-02	07/09/2025	17:52	PD089415.D	9.07	3.55
TP-79	Q2529-03	07/09/2025	18:06	PD089416.D	9.07	3.55
TP-95	Q2529-04	07/09/2025	18:20	PD089417.D	9.07	3.55
TP-98	Q2529-05	07/09/2025	18:33	PD089418.D	9.07	3.55
TP-102	Q2529-06	07/09/2025	18:47	PD089419.D	9.07	3.55
TP-101	Q2529-07	07/09/2025	19:01	PD089420.D	9.07	3.55
TP-89	Q2529-08	07/09/2025	19:14	PD089421.D	9.07	3.55
TP-33	Q2529-09	07/09/2025	19:28	PD089422.D	9.07	3.55
TP-30	Q2529-10	07/09/2025	19:42	PD089423.D	9.07	3.55
IBLK	IBLK	07/09/2025	19:55	PD089424.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/09/2025	20:09	PD089425.D	9.07	3.55

Analytical Sequence

Client: CDM Smith	SDG No.: Q2529
Project: South River WM Replacement	Instrument ID: ECD_D
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 06/17/2025 06/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	06/17/2025	15:11	PD088990.D	8.07	2.88
PEM	PEM	06/17/2025	15:25	PD088991.D	8.07	2.88
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	8.07	2.88
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	8.07	2.88
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	8.07	2.88
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	8.07	2.88
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	8.07	2.88
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	8.07	2.88
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	8.07	2.88
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	8.07	2.88
IBLK	IBLK	07/09/2025	11:14	PD089399.D	8.07	2.88
PEM	PEM	07/09/2025	13:22	PD089400.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/09/2025	13:54	PD089401.D	8.07	2.88
PB168765BL	PB168765BL	07/09/2025	14:08	PD089402.D	8.07	2.88
PB168765BS	PB168765BS	07/09/2025	14:21	PD089403.D	8.07	2.88
TP-14MS	Q2517-01MS	07/09/2025	15:18	PD089405.D	8.07	2.88
TP-14MSD	Q2517-01MSD	07/09/2025	15:31	PD089406.D	8.07	2.88
IBLK	IBLK	07/09/2025	16:54	PD089412.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/09/2025	17:24	PD089413.D	8.07	2.88
TP-91	Q2529-01	07/09/2025	17:39	PD089414.D	8.07	2.88
TP-80	Q2529-02	07/09/2025	17:52	PD089415.D	8.07	2.88
TP-79	Q2529-03	07/09/2025	18:06	PD089416.D	8.07	2.88
TP-95	Q2529-04	07/09/2025	18:20	PD089417.D	8.07	2.88
TP-98	Q2529-05	07/09/2025	18:33	PD089418.D	8.07	2.88
TP-102	Q2529-06	07/09/2025	18:47	PD089419.D	8.07	2.88
TP-101	Q2529-07	07/09/2025	19:01	PD089420.D	8.07	2.88
TP-89	Q2529-08	07/09/2025	19:14	PD089421.D	8.07	2.88
TP-33	Q2529-09	07/09/2025	19:28	PD089422.D	8.07	2.88
TP-30	Q2529-10	07/09/2025	19:42	PD089423.D	8.07	2.88
IBLK	IBLK	07/09/2025	19:55	PD089424.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/09/2025	20:09	PD089425.D	8.07	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168765BS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Lab Sample ID: PB168765BS

Date(s) Analyzed: 07/09/2025 07/09/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	18.6	3.2
	2	5.93	5.88	5.98	19.2	
4,4'-DDE	1	6.20	6.15	6.25	18.6	2.7
	2	5.37	5.32	5.42	19.1	
4,4'-DDT	1	7.02	6.97	7.07	18.8	1.6
	2	6.18	6.13	6.23	19.1	
alpha-BHC	1	4.00	3.95	4.05	18.1	4.3
	2	3.39	3.34	3.44	18.9	
Aldrin	1	5.27	5.22	5.32	18.4	3.7
	2	4.37	4.32	4.42	19.1	
alpha-Chlordane	1	6.03	5.98	6.08	18.2	3.8
	2	5.19	5.14	5.24	18.9	
Endosulfan II	1	6.78	6.73	6.83	18.6	2.7
	2	6.08	6.03	6.13	19.1	
Endosulfan sulfate	1	7.15	7.10	7.20	18.4	3.7
	2	6.48	6.43	6.53	19.1	
beta-BHC	1	4.52	4.47	4.57	17.2	7.8
	2	4.02	3.97	4.07	18.6	
delta-BHC	1	4.76	4.71	4.81	19.3	1.6
	2	4.26	4.21	4.31	19.0	
Endosulfan I	1	6.07	6.02	6.12	18.4	4.3
	2	5.25	5.20	5.30	19.2	
Dieldrin	1	6.35	6.30	6.40	18.6	2.7
	2	5.51	5.46	5.56	19.1	
Endrin aldehyde	1	6.91	6.86	6.96	18.5	2.7
	2	6.26	6.21	6.31	19.0	
Methoxychlor	1	7.49	7.44	7.54	18.0	1.1
	2	6.75	6.70	6.80	18.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168765BS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Lab Sample ID: PB168765BS

Date(s) Analyzed: 07/09/2025 07/09/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.63	7.58	7.68	18.9	2.6
	2	6.99	6.94	7.04	19.4	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	18.1	4.9
	2	3.73	3.68	3.78	19.0	
Heptachlor	1	4.93	4.88	4.98	18.6	1.1
	2	4.08	4.03	4.13	18.8	
Heptachlor epoxide	1	5.69	5.64	5.74	18.1	5.9
	2	4.87	4.82	4.92	19.2	
gamma-Chlordane	1	5.95	5.90	6.00	18.5	2.1
	2	5.12	5.07	5.17	18.9	
Endrin	1	6.57	6.52	6.62	17.9	0.6
	2	5.79	5.74	5.84	18.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-14MS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Lab Sample ID: Q2517-01MS

Date(s) Analyzed: 07/09/2025 07/09/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	18.4	5.6
	2	5.93	5.88	5.98	17.4	
4,4'-DDT	1	7.02	6.97	7.07	18.2	2.7
	2	6.18	6.13	6.23	18.7	
alpha-BHC	1	4.00	3.95	4.05	17.8	4.9
	2	3.39	3.34	3.44	18.7	
Aldrin	1	5.27	5.22	5.32	18.3	2.2
	2	4.37	4.32	4.42	18.7	
beta-BHC	1	4.52	4.47	4.57	17.7	3.3
	2	4.02	3.97	4.07	18.3	
alpha-Chlordane	1	6.03	5.98	6.08	17.9	6.5
	2	5.19	5.14	5.24	19.1	
4,4'-DDE	1	6.20	6.15	6.25	18.1	3.8
	2	5.37	5.32	5.42	18.8	
Endosulfan II	1	6.79	6.74	6.84	14.6	24.6
	2	6.08	6.03	6.13	18.7	
Endrin aldehyde	1	6.91	6.86	6.96	18.0	2.2
	2	6.26	6.21	6.31	18.4	
Endosulfan sulfate	1	7.15	7.10	7.20	17.7	3.3
	2	6.48	6.43	6.53	18.3	
Methoxychlor	1	7.49	7.44	7.54	17.8	1.7
	2	6.75	6.70	6.80	18.1	
Endrin ketone	1	7.63	7.58	7.68	18.2	2.7
	2	6.99	6.94	7.04	18.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.9	4.4
	2	3.73	3.68	3.78	18.7	
Heptachlor	1	4.93	4.88	4.98	18.2	1.6
	2	4.08	4.03	4.13	18.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-14MS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Lab Sample ID: Q2517-01MS

Date(s) Analyzed: 07/09/2025 07/09/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
delta-BHC	1	4.76	4.71	4.81	19.1	1.6
	2	4.26	4.21	4.31	18.8	
Heptachlor epoxide	1	5.69	5.64	5.74	17.9	3.8
	2	4.87	4.82	4.92	18.6	
Endosulfan I	1	6.07	6.02	6.12	18.0	3.3
	2	5.24	5.19	5.29	18.6	
gamma-Chlordane	1	5.95	5.90	6.00	17.3	5.1
	2	5.12	5.07	5.17	18.2	
Dieldrin	1	6.35	6.30	6.40	18.1	2.7
	2	5.51	5.46	5.56	18.6	
Endrin	1	6.57	6.52	6.62	18.2	0
	2	5.79	5.74	5.84	18.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-14MSD

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Lab Sample ID: Q2517-01MSD

Date(s) Analyzed: 07/09/2025 07/09/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	14.6	25.1
	2	6.08	6.03	6.13	18.8	
4,4'-DDD	1	6.70	6.65	6.75	18.7	5.5
	2	5.93	5.88	5.98	17.7	
4,4'-DDT	1	7.02	6.97	7.07	18.4	2.7
	2	6.18	6.13	6.23	18.9	
Endrin aldehyde	1	6.91	6.86	6.96	18.3	1.1
	2	6.26	6.21	6.31	18.5	
Endosulfan sulfate	1	7.15	7.10	7.20	17.8	3.9
	2	6.48	6.43	6.53	18.5	
alpha-BHC	1	4.00	3.95	4.05	18.1	4.9
	2	3.39	3.34	3.44	19.0	
Aldrin	1	5.27	5.22	5.32	18.3	4.3
	2	4.37	4.32	4.42	19.1	
beta-BHC	1	4.52	4.47	4.57	17.9	4.4
	2	4.02	3.97	4.07	18.7	
delta-BHC	1	4.76	4.71	4.81	19.4	1.6
	2	4.26	4.21	4.31	19.1	
Endosulfan I	1	6.07	6.02	6.12	18.2	3.8
	2	5.24	5.19	5.29	18.9	
alpha-Chlordane	1	6.03	5.98	6.08	18.1	7.4
	2	5.19	5.14	5.24	19.5	
4,4'-DDE	1	6.20	6.15	6.25	18.3	4.3
	2	5.37	5.32	5.42	19.1	
Dieldrin	1	6.35	6.30	6.40	18.3	3.2
	2	5.51	5.46	5.56	18.9	
Endrin	1	6.57	6.52	6.62	18.4	0.5
	2	5.79	5.74	5.84	18.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-14MSD

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Lab Sample ID: Q2517-01MSD

Date(s) Analyzed: 07/09/2025 07/09/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.49	7.44	7.54	18.0	1.1
	2	6.75	6.70	6.80	18.2	
Endrin ketone	1	7.63	7.58	7.68	18.3	2.7
	2	6.99	6.94	7.04	18.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	18.3	4.3
	2	3.73	3.68	3.78	19.1	
Heptachlor	1	4.93	4.88	4.98	18.5	2.1
	2	4.08	4.03	4.13	18.9	
Heptachlor epoxide	1	5.69	5.64	5.74	18.1	3.8
	2	4.87	4.82	4.92	18.8	
gamma-Chlordane	1	5.94	5.89	5.99	17.5	5.6
	2	5.12	5.07	5.17	18.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-80

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Lab Sample ID: Q2529-02

Date(s) Analyzed: 07/09/2025 07/09/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.02	6.97	7.07	0.30	61.5
	2	6.18	6.13	6.23	0.56	
Dieldrin	1	6.35	6.30	6.40	0.63	69.8
	2	5.51	5.46	5.56	1.30	
Endrin	1	6.58	6.53	6.63	0.60	14.7
	2	5.78	5.73	5.83	0.70	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-91

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Lab Sample ID: Q2529-01

Date(s) Analyzed: 07/09/2025 07/09/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.02	6.97	7.07	0.30	54.4
	2	6.18	6.13	6.23	0.53	
4,4'-DDE	1	6.20	6.15	6.25	0.25	51.4
	2	5.37	5.32	5.42	0.42	