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LAB CHRONICLE

OrderID:	Q2514	**OrderDate:**	7/3/2025 1:29:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	O21,O22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2514-01	**TP-92**	**SOIL**			**07/02/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-02	**TP-93**	**SOIL**			**07/02/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-03	**TP-94**	**SOIL**			**07/02/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-04	**TP-96**	**SOIL**			**07/02/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-05	**TP-97**	**SOIL**			**07/02/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-06	**TP-103**	**SOIL**			**07/02/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-07	**TP-36**	**SOIL**			**07/03/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-08	**TP-78**	**SOIL**			**07/03/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-09	**TP-81**	**SOIL**			**07/03/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-10	**TP-90**	**SOIL**			**07/03/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2514 **Order ID:** Q2514

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**TP-93**							
Q2514-02	TP-93	SOIL	alpha-Chlordane	0.36	J	0.14	1.90	ug/kg
Q2514-02	TP-93	SOIL	gamma-Chlordane	0.19	J	0.17	1.90	ug/kg
			Total Concentration:	**0.550**				
Client ID :	**TP-94**							
Q2514-03	TP-94	SOIL	4,4-DDE	0.42	JP	0.16	1.90	ug/kg
Q2514-03	TP-94	SOIL	4,4-DDT	0.55	J	0.16	1.90	ug/kg
			Total Concentration:	**0.970**				
Client ID :	**TP-96**							
Q2514-04	TP-96	SOIL	4,4-DDT	0.33	J	0.16	2.00	ug/kg
			Total Concentration:	**0.330**				
Client ID :	**TP-97**							
Q2514-05	TP-97	SOIL	4,4-DDT	0.27	J	0.16	2.00	ug/kg
			Total Concentration:	**0.270**				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 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
PD089360.D	1	07/07/25 08:30	07/07/25 17:56	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	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	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.74		20 - 144	44%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		19 - 148	91%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 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
PD089360.D	1	07/07/25 08:30	07/07/25 17:56	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.7 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
PD089363.D	1	07/07/25 08:30	07/07/25 18:37	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	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	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.36	J	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.19	J	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.37		20 - 144	42%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.9		19 - 148	60%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.7 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
PD089363.D	1	07/07/25 08:30	07/07/25 18:37	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.1 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
PD089364.D	1	07/07/25 08:30	07/07/25 18:51	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	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	0.42	JP	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.55	J	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.8		20 - 144	54%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		19 - 148	94%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.1 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
PD089364.D	1	07/07/25 08:30	07/07/25 18:51	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.8 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
PD089365.D	1	07/07/25 08:30	07/07/25 19:04	PB168736

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	0.34	U	0.34	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	0.33	J	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	6.30	U	6.30	38.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.21		20 - 144	41%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.2		19 - 148	61%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.8 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
PD089365.D	1	07/07/25 08:30	07/07/25 19:04	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85 Decanted:
Sample Wt/Vol:	30.05 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
PD089366.D	1	07/07/25 08:30	07/07/25 19:18	PB168736

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	0.46	U	0.46	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	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.27	J	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	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	38.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.1		20 - 144	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.0		19 - 148	85%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85 Decanted:
Sample Wt/Vol:	30.05 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
PD089366.D	1	07/07/25 08:30	07/07/25 19:18	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.5 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
PD089370.D	1	07/07/25 08:30	07/07/25 20:41	PB168736

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	38.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.4		20 - 144	57%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		19 - 148	91%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.5 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
PD089370.D	1	07/07/25 08:30	07/07/25 20:41	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.3 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
PD089371.D	1	07/07/25 08:30	07/07/25 20:54	PB168736

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	36.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.1		20 - 144	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		19 - 148	93%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.3 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
PD089371.D	1	07/07/25 08:30	07/07/25 20:54	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.3 Decanted:
Sample Wt/Vol:	30.09 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
PD089372.D	1	07/07/25 08:30	07/07/25 21:08	PB168736

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	0.34	U	0.34	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	6.30	U	6.30	38.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.06		20 - 144	45%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		19 - 148	83%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.3 Decanted:
Sample Wt/Vol:	30.09 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
PD089372.D	1	07/07/25 08:30	07/07/25 21:08	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.3 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
PD089373.D	1	07/07/25 08:30	07/07/25 21:22	PB168736

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	0.34	U	0.34	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	6.30	U	6.30	38.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.25		20 - 144	41%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.7		19 - 148	84%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.3 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
PD089373.D	1	07/07/25 08:30	07/07/25 21:22	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.6 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
PD089374.D	1	07/07/25 08:30	07/07/25 21:35	PB168736

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	36.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.9		20 - 144	55%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.6		19 - 148	68%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.6 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
PD089374.D	1	07/07/25 08:30	07/07/25 21:35	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SDG No.: Q2514

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) 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-PD089340.D	PIBLK-PD089340.D	Decachlorobiphen	1	20	20.0	100		57	171
		Tetrachloro-m-xyl	1	20	18.7	93		61	148
		Decachlorobiphen	2	20	20.0	100		57	171
		Tetrachloro-m-xyl	2	20	21.2	106		61	148
PB168736BL	PB168736BL	Decachlorobiphen	1	20	15.4	77		20	144
		Tetrachloro-m-xyl	1	20	16.9	85		19	148
		Decachlorobiphen	2	20	14.1	71		20	144
		Tetrachloro-m-xyl	2	20	19.8	99		19	148
PB168736BS	PB168736BS	Decachlorobiphen	1	20	15.8	79		20	144
		Tetrachloro-m-xyl	1	20	16.3	81		19	148
		Decachlorobiphen	2	20	14.9	75		20	144
		Tetrachloro-m-xyl	2	20	19.8	99		19	148
I.BLK-PD089356.D	PIBLK-PD089356.D	Decachlorobiphen	1	20	17.9	89		57	171
		Tetrachloro-m-xyl	1	20	19.0	95		61	148
		Decachlorobiphen	2	20	16.4	82		57	171
		Tetrachloro-m-xyl	2	20	22.2	111		61	148
Q2514-01	TP-92	Decachlorobiphen	1	20	8.74	44		20	144
		Tetrachloro-m-xyl	1	20	16.2	81		19	148
		Decachlorobiphen	2	20	6.43	32		20	144
		Tetrachloro-m-xyl	2	20	18.2	91		19	148
Q2514-01MS	TP-92MS	Decachlorobiphen	1	20	13.6	68		20	144
		Tetrachloro-m-xyl	1	20	18.8	94		19	148
		Decachlorobiphen	2	20	10.3	52		20	144
		Tetrachloro-m-xyl	2	20	21.6	108		19	148
Q2514-01MSD	TP-92MSD	Decachlorobiphen	1	20	13.9	69		20	144
		Tetrachloro-m-xyl	1	20	19.3	96		19	148
		Decachlorobiphen	2	20	10.8	54		20	144
		Tetrachloro-m-xyl	2	20	21.2	106		19	148
Q2514-02	TP-93	Decachlorobiphen	1	20	8.37	42		20	144
		Tetrachloro-m-xyl	1	20	10.5	52		19	148
		Decachlorobiphen	2	20	7.36	37		20	144
		Tetrachloro-m-xyl	2	20	11.9	60		19	148
Q2514-03	TP-94	Decachlorobiphen	1	20	10.8	54		20	144
		Tetrachloro-m-xyl	1	20	17.5	88		19	148
		Decachlorobiphen	2	20	9.10	46		20	144
		Tetrachloro-m-xyl	2	20	18.7	94		19	148
Q2514-04	TP-96	Decachlorobiphen	1	20	8.21	41		20	144

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Surrogate Summary

SDG No.: Q2514

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q2514-04	TP-96	Tetrachloro-m-xyl	1	20	11.0	55		19	148
		Decachlorobiphen	2	20	7.29	36		20	144
		Tetrachloro-m-xyl	2	20	12.2	61		19	148
Q2514-05	TP-97	Decachlorobiphen	1	20	13.1	66		20	144
		Tetrachloro-m-xyl	1	20	15.4	77		19	148
		Decachlorobiphen	2	20	9.75	49		20	144
		Tetrachloro-m-xyl	2	20	17.0	85		19	148
I.BLK-PD089367.D	PIBLK-PD089367.D	Decachlorobiphen	1	20	17.4	87		57	171
		Tetrachloro-m-xyl	1	20	19.1	96		61	148
		Decachlorobiphen	2	20	14.8	74		57	171
		Tetrachloro-m-xyl	2	20	21.8	109		61	148
Q2514-06	TP-103	Decachlorobiphen	1	20	11.4	57		20	144
		Tetrachloro-m-xyl	1	20	18.1	91		19	148
		Decachlorobiphen	2	20	10.5	53		20	144
		Tetrachloro-m-xyl	2	20	18.0	90		19	148
Q2514-07	TP-36	Decachlorobiphen	1	20	13.1	66		20	144
		Tetrachloro-m-xyl	1	20	16.9	85		19	148
		Decachlorobiphen	2	20	12.5	63		20	144
		Tetrachloro-m-xyl	2	20	18.7	93		19	148
Q2514-08	TP-78	Decachlorobiphen	1	20	9.06	45		20	144
		Tetrachloro-m-xyl	1	20	14.9	74		19	148
		Decachlorobiphen	2	20	8.93	45		20	144
		Tetrachloro-m-xyl	2	20	16.6	83		19	148
Q2514-09	TP-81	Decachlorobiphen	1	20	8.25	41		20	144
		Tetrachloro-m-xyl	1	20	15.2	76		19	148
		Decachlorobiphen	2	20	7.73	39		20	144
		Tetrachloro-m-xyl	2	20	16.7	84		19	148
Q2514-10	TP-90	Decachlorobiphen	1	20	10.9	55		20	144
		Tetrachloro-m-xyl	1	20	12.0	60		19	148
		Decachlorobiphen	2	20	10.2	51		20	144
		Tetrachloro-m-xyl	2	20	13.6	68		19	148
I.BLK-PD089376.D	PIBLK-PD089376.D	Decachlorobiphen	1	20	18.2	91		57	171
		Tetrachloro-m-xyl	1	20	19.1	96		61	148
		Decachlorobiphen	2	20	16.9	85		57	171
		Tetrachloro-m-xyl	2	20	22.4	112		61	148

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD089361.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: **Q2514-01MS (Column 1)**	**Client Sample ID:**		**TP-92MS**								
alpha-BHC	19.05	0	16.0	ug/kg	84				60	144	
beta-BHC	19.05	0	15.8	ug/kg	83				54	143	
delta-BHC	19.05	0	16.9	ug/kg	89				29	151	
gamma-BHC (Lindane)	19.05	0	16.3	ug/kg	86				61	140	
Heptachlor	19.05	0	15.5	ug/kg	81				63	135	
Aldrin	19.05	0	15.2	ug/kg	80				49	139	
Heptachlor epoxide	19.05	0	14.3	ug/kg	75				41	156	
Endosulfan I	19.05	0	14.0	ug/kg	73				56	142	
Dieldrin	19.05	0	13.4	ug/kg	70				47	161	
4,4'-DDE	19.05	0	13.7	ug/kg	72				55	136	
Endrin	19.05	0	13.6	ug/kg	71				57	139	
Endosulfan II	19.05	0	13.2	ug/kg	69				40	163	
4,4'-DDD	19.05	0	13.0	ug/kg	68				47	163	
Endosulfan sulfate	19.05	0	12.9	ug/kg	68				62	139	
4,4'-DDT	19.05	0	12.2	ug/kg	64				51	146	
Methoxychlor	19.05	0	11.1	ug/kg	58				54	136	
Endrin ketone	19.05	0	12.2	ug/kg	64				60	129	
Endrin aldehyde	19.05	0	12.8	ug/kg	67				59	132	
alpha-Chlordane	19.05	0	13.9	ug/kg	73				39	166	
gamma-Chlordane	19.05	0	13.9	ug/kg	73				44	175	
Lab Sample ID: **Q2514-01MS (Column 2)**	**Client Sample ID:**		**TP-92MS**								
alpha-BHC	19.05	0	17.9	ug/kg	94				60	144	
beta-BHC	19.05	0	17.4	ug/kg	91				54	143	
delta-BHC	19.05	0	17.1	ug/kg	90				29	151	
gamma-BHC (Lindane)	19.05	0	17.8	ug/kg	93				61	140	
Heptachlor	19.05	0	17.2	ug/kg	90				63	135	
Aldrin	19.05	0	17.1	ug/kg	90				49	139	
Heptachlor epoxide	19.05	0	16.4	ug/kg	86				41	156	
Endosulfan I	19.05	0	15.8	ug/kg	83				56	142	
Dieldrin	19.05	0	14.9	ug/kg	78				47	161	
4,4'-DDE	19.05	0	15.4	ug/kg	81				55	136	
Endrin	19.05	0	14.0	ug/kg	73				57	139	
Endosulfan II	19.05	0	13.0	ug/kg	68				40	163	
4,4'-DDD	19.05	0	12.9	ug/kg	68				47	163	
Endosulfan sulfate	19.05	0	13.0	ug/kg	68				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD089361.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	19.05	0	12.9	ug/kg	68				51	146	
Methoxychlor	19.05	0	12.1	ug/kg	64				54	136	
Endrin ketone	19.05	0	11.2	ug/kg	59				60	129	
Endrin aldehyde	19.05	0	12.8	ug/kg	67				59	132	
alpha-Chlordane	19.05	0	15.6	ug/kg	82				39	166	
gamma-Chlordane	19.05	0	15.7	ug/kg	82				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD089362.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2514-01MSD**	**Client Sample ID:**		**TP-92MSD**							
(Column 1)											
alpha-BHC	19.03	0	16.4	ug/kg	86		2		60	144	20
beta-BHC	19.03	0	15.8	ug/kg	83		0		54	143	20
delta-BHC	19.03	0	17.6	ug/kg	92		3		29	151	20
gamma-BHC (Lindane)	19.03	0	16.3	ug/kg	86		0		61	140	20
Heptachlor	19.03	0	16.3	ug/kg	86		6		63	135	20
Aldrin	19.03	0	15.7	ug/kg	83		4		49	139	20
Heptachlor epoxide	19.03	0	14.7	ug/kg	77		3		41	156	20
Endosulfan I	19.03	0	14.5	ug/kg	76		4		56	142	20
Dieldrin	19.03	0	13.8	ug/kg	73		4		47	161	20
4,4'-DDE	19.03	0	14.0	ug/kg	74		3		55	136	20
Endrin	19.03	0	14.0	ug/kg	74		4		57	139	20
Endosulfan II	19.03	0	13.3	ug/kg	70		1		40	163	20
4,4'-DDD	19.03	0	13.4	ug/kg	70		3		47	163	20
Endosulfan sulfate	19.03	0	12.6	ug/kg	66		3		62	139	20
4,4'-DDT	19.03	0	12.8	ug/kg	67		5		51	146	20
Methoxychlor	19.03	0	12.1	ug/kg	64		10		54	136	20
Endrin ketone	19.03	0	12.6	ug/kg	66		3		60	129	20
Endrin aldehyde	19.03	0	13.5	ug/kg	71		6		59	132	20
alpha-Chlordane	19.03	0	14.5	ug/kg	76		4		39	166	20
gamma-Chlordane	19.03	0	14.7	ug/kg	77		5		44	175	20
Lab Sample ID:	**Q2514-01MSD**	**Client Sample ID:**		**TP-92MSD**							
(Column 2)											
alpha-BHC	19.03	0	17.9	ug/kg	94		0		60	144	20
beta-BHC	19.03	0	17.7	ug/kg	93		2		54	143	20
delta-BHC	19.03	0	17.3	ug/kg	91		1		29	151	20
gamma-BHC (Lindane)	19.03	0	17.9	ug/kg	94		1		61	140	20
Heptachlor	19.03	0	17.4	ug/kg	91		1		63	135	20
Aldrin	19.03	0	17.4	ug/kg	91		1		49	139	20
Heptachlor epoxide	19.03	0	16.9	ug/kg	89		3		41	156	20
Endosulfan I	19.03	0	16.9	ug/kg	89		7		56	142	20
Dieldrin	19.03	0	15.3	ug/kg	80		3		47	161	20
4,4'-DDE	19.03	0	16.1	ug/kg	85		5		55	136	20
Endrin	19.03	0	14.8	ug/kg	78		7		57	139	20
Endosulfan II	19.03	0	13.9	ug/kg	73		7		40	163	20
4,4'-DDD	19.03	0	13.7	ug/kg	72		6		47	163	20
Endosulfan sulfate	19.03	0	13.6	ug/kg	71		4		62	139	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD089362.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
4,4'-DDT	19.03	0	14.0	ug/kg	74		8		51	146	20
Methoxychlor	19.03	0	13.0	ug/kg	68		6		54	136	20
Endrin ketone	19.03	0	12.2	ug/kg	64		8		60	129	20
Endrin aldehyde	19.03	0	13.6	ug/kg	71		6		59	132	20
alpha-Chlordane	19.03	0	16.6	ug/kg	87		6		39	166	20
gamma-Chlordane	19.03	0	16.1	ug/kg	85		4		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8081B

Client: CDM Smith **Datafile :** PD089354.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168736BS (Column 1)	alpha-BHC	16.65	17.9	ug/kg	108				84	123	
	beta-BHC	16.65	17.0	ug/kg	102				82	123	
	delta-BHC	16.65	18.7	ug/kg	112				83	126	
	gamma-BHC (Lindane)	16.65	17.8	ug/kg	107				83	125	
	Heptachlor	16.65	17.9	ug/kg	108				83	122	
	Aldrin	16.65	17.6	ug/kg	106				82	124	
	Heptachlor epoxide	16.65	17.1	ug/kg	103				83	120	
	Endosulfan I	16.65	16.8	ug/kg	101				81	124	
	Dieldrin	16.65	16.6	ug/kg	100				85	121	
	4,4'-DDE	16.65	16.0	ug/kg	96				81	123	
	Endrin	16.65	16.4	ug/kg	98				76	130	
	Endosulfan II	16.65	16.6	ug/kg	100				80	125	
	4,4'-DDD	16.65	16.3	ug/kg	98				80	131	
	Endosulfan sulfate	16.65	15.8	ug/kg	95				81	122	
	4,4'-DDT	16.65	16.0	ug/kg	96				70	129	
	Methoxychlor	16.65	14.6	ug/kg	88				60	119	
	Endrin ketone	16.65	15.4	ug/kg	92				77	132	
	Endrin aldehyde	16.65	16.1	ug/kg	97				79	124	
	alpha-Chlordane	16.65	16.8	ug/kg	101				84	120	
	gamma-Chlordane	16.65	16.9	ug/kg	102				83	122	
PB168736BS (Column 2)	alpha-BHC	16.65	18.8	ug/kg	113				84	123	
	beta-BHC	16.65	18.3	ug/kg	110				82	123	
	delta-BHC	16.65	18.9	ug/kg	114				83	126	
	gamma-BHC (Lindane)	16.65	18.8	ug/kg	113				83	125	
	Heptachlor	16.65	18.6	ug/kg	112				83	122	
	Aldrin	16.65	18.8	ug/kg	113				82	124	
	Heptachlor epoxide	16.65	19.0	ug/kg	114				83	120	
	Endosulfan I	16.65	18.7	ug/kg	112				81	124	
	Dieldrin	16.65	18.1	ug/kg	109				85	121	
	4,4'-DDE	16.65	18.3	ug/kg	110				81	123	
	Endrin	16.65	17.4	ug/kg	105				76	130	
	Endosulfan II	16.65	17.4	ug/kg	105				80	125	
	4,4'-DDD	16.65	17.6	ug/kg	106				80	131	
	Endosulfan sulfate	16.65	16.7	ug/kg	100				81	122	
	4,4'-DDT	16.65	17.2	ug/kg	103				70	129	
	Methoxychlor	16.65	15.9	ug/kg	95				60	119	
	Endrin ketone	16.65	15.8	ug/kg	95				77	132	
	Endrin aldehyde	16.65	16.9	ug/kg	102				79	124	
	alpha-Chlordane	16.65	18.5	ug/kg	111				84	120	
	gamma-Chlordane	16.65	18.6	ug/kg	112				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168736BL

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2514

Lab Sample ID: PB168736BL | Lab File ID: PD089353.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/07/2025

Date Analyzed (1): 07/07/2025 | Date Analyzed (2): 07/07/2025

Time Analyzed (1): 15:07 | Time Analyzed (2): 15:07

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
PB168736BS	PB168736BS	PD089354.D	07/07/2025	07/07/2025
TP-92	Q2514-01	PD089360.D	07/07/2025	07/07/2025
TP-92MS	Q2514-01MS	PD089361.D	07/07/2025	07/07/2025
TP-92MSD	Q2514-01MSD	PD089362.D	07/07/2025	07/07/2025
TP-93	Q2514-02	PD089363.D	07/07/2025	07/07/2025
TP-94	Q2514-03	PD089364.D	07/07/2025	07/07/2025
TP-96	Q2514-04	PD089365.D	07/07/2025	07/07/2025
TP-97	Q2514-05	PD089366.D	07/07/2025	07/07/2025
TP-103	Q2514-06	PD089370.D	07/07/2025	07/07/2025
TP-36	Q2514-07	PD089371.D	07/07/2025	07/07/2025
TP-78	Q2514-08	PD089372.D	07/07/2025	07/07/2025
TP-81	Q2514-09	PD089373.D	07/07/2025	07/07/2025
TP-90	Q2514-10	PD089374.D	07/07/2025	07/07/2025

COMMENTS:

QC SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168736BL	SDG No.:	Q2514
Lab Sample ID:	PB168736BL	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
PD089353.D	1	07/07/25 08:30	07/07/25 15:07	PB168736

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	15.4		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		19 - 148	99%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168736BL	SDG No.:	Q2514
Lab Sample ID:	PB168736BL	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
PD089353.D	1	07/07/25 08:30	07/07/25 15:07	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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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.:	Q2514
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
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

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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.:	Q2514
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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089340.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089340.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
PD089340.D	1		07/07/25	Pd070725

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	20.0		57 - 171	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		61 - 148	106%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089340.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089340.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
PD089340.D	1		07/07/25	Pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089356.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089356.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
PD089356.D	1		07/07/25	pd070725

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	17.9		57 - 171	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		61 - 148	111%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089356.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089356.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
PD089356.D	1		07/07/25	pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089367.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089367.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
PD089367.D	1		07/07/25	pd070725

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	17.4		57 - 171	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		61 - 148	109%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089367.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089367.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
PD089367.D	1		07/07/25	pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089376.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089376.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
PD089376.D	1		07/07/25	pd070725

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	18.2		57 - 171	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		61 - 148	112%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089376.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089376.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
PD089376.D	1		07/07/25	pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168736BS	SDG No.:	Q2514
Lab Sample ID:	PB168736BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 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
PD089354.D	1	07/07/25 08:30	07/07/25 15:44	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.8		0.13	1.70	ug/kg
319-85-7	beta-BHC	18.3		0.18	1.70	ug/kg
319-86-8	delta-BHC	18.9		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	18.8		0.14	1.70	ug/kg
76-44-8	Heptachlor	18.6		0.12	1.70	ug/kg
309-00-2	Aldrin	18.8		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	19.0		0.19	1.70	ug/kg
959-98-8	Endosulfan I	18.7		0.14	1.70	ug/kg
60-57-1	Dieldrin	18.1		0.14	1.70	ug/kg
72-55-9	4,4-DDE	18.3		0.14	1.70	ug/kg
72-20-8	Endrin	17.4		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	17.4		0.29	1.70	ug/kg
72-54-8	4,4-DDD	17.6		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.7		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.2		0.14	1.70	ug/kg
72-43-5	Methoxychlor	15.9		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	15.8		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.9		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.5		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.6		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.8		20 - 144	79%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		19 - 148	99%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168736BS	SDG No.:	Q2514
Lab Sample ID:	PB168736BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 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
PD089354.D	1	07/07/25 08:30	07/07/25 15:44	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92MS	SDG No.:	Q2514
Lab Sample ID:	Q2514-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 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
PD089361.D	1	07/07/25 08:30	07/07/25 18:10	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.9		0.15	1.90	ug/kg
319-85-7	beta-BHC	17.4		0.21	1.90	ug/kg
319-86-8	delta-BHC	17.1		0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	17.8		0.16	1.90	ug/kg
76-44-8	Heptachlor	17.2		0.14	1.90	ug/kg
309-00-2	Aldrin	17.1		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.4		0.22	1.90	ug/kg
959-98-8	Endosulfan I	15.8		0.16	1.90	ug/kg
60-57-1	Dieldrin	14.9		0.16	1.90	ug/kg
72-55-9	4,4-DDE	15.4		0.16	1.90	ug/kg
72-20-8	Endrin	14.0		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	13.2		0.33	1.90	ug/kg
72-54-8	4,4-DDD	13.0		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	13.0		0.15	1.90	ug/kg
50-29-3	4,4-DDT	12.9		0.16	1.90	ug/kg
72-43-5	Methoxychlor	12.1		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	12.2		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	12.8		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	15.6		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	15.7		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.6		20 - 144	68%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92MS	SDG No.:	Q2514
Lab Sample ID:	Q2514-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 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
PD089361.D	1	07/07/25 08:30	07/07/25 18:10	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
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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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92MSD	SDG No.:	Q2514
Lab Sample ID:	Q2514-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 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
PD089362.D	1	07/07/25 08:30	07/07/25 18:23	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.9		0.15	1.90	ug/kg
319-85-7	beta-BHC	17.7		0.21	1.90	ug/kg
319-86-8	delta-BHC	17.6		0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	17.9		0.16	1.90	ug/kg
76-44-8	Heptachlor	17.4		0.14	1.90	ug/kg
309-00-2	Aldrin	17.4		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.9		0.22	1.90	ug/kg
959-98-8	Endosulfan I	16.9		0.16	1.90	ug/kg
60-57-1	Dieldrin	15.3		0.16	1.90	ug/kg
72-55-9	4,4-DDE	16.1		0.16	1.90	ug/kg
72-20-8	Endrin	14.8		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	13.9		0.33	1.90	ug/kg
72-54-8	4,4-DDD	13.7		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	13.6		0.15	1.90	ug/kg
50-29-3	4,4-DDT	14.0		0.16	1.90	ug/kg
72-43-5	Methoxychlor	13.0		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	12.6		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	13.6		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	16.6		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	16.1		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.9		20 - 144	69%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		19 - 148	106%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92MSD	SDG No.:	Q2514
Lab Sample ID:	Q2514-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 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
PD089362.D	1	07/07/25 08:30	07/07/25 18:23	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: CAMP02
SDG NO.: Q2514
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: RT 100 = PD088993.D RT 075 = PD088994.D
RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.70	6.71	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.20	6.20	6.20	6.20	6.19	6.20	6.10	6.30
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
beta-BHC	4.52	4.52	4.52	4.52	4.52	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.07	6.07	6.08	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.58	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.91	6.92	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: CAMP02
SDG NO.: Q2514
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 = PD088993.D RT 075 = PD088994.D
RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
4,4'-DDE	5.38	5.38	5.38	5.38	5.38	5.38	5.28	5.48
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.03	4.03	4.03	4.03	4.03	4.03	3.93	4.13
Decachlorobiphenyl	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Endosulfan II	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan sulfate	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Endrin	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
Endrin aldehyde	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Endrin ketone	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.13	5.13	5.13	5.13	5.13	5.13	5.03	5.23
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.76	6.75	6.76	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: CAMP02
SDG NO.: Q2514
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 = PD088993.D CF 075 = PD088994.D
CF 050 = PD088995.D CF 025 = PD088996.D CF 005 = PD088997.D

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

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: CAMP02
SDG NO.: Q2514
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 = PD088993.D CF 075 = PD088994.D
CF 050 = PD088995.D CF 025 = PD088996.D CF 005 = PD088997.D

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

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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 FROM	RT WINDOW TO	CALIBRATION FACTOR
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

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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 FROM	RT WINDOW TO	CALIBRATION FACTOR
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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 12:02 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	4.51	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	6.19	6.20	6.10	6.30	0.01
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.78	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	5.94	5.95	5.85	6.05	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 12:02 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089342.D **Time Analyzed:** 12:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.703	6.605	6.805	54.480	50.000	9.0
4,4'-DDE	6.194	6.096	6.296	55.240	50.000	10.5
4,4'-DDT	7.019	6.921	7.121	53.300	50.000	6.6
Aldrin	5.269	5.171	5.371	55.040	50.000	10.1
alpha-BHC	3.998	3.899	4.099	55.940	50.000	11.9
alpha-Chlordane	6.025	5.927	6.127	54.700	50.000	9.4
beta-BHC	4.514	4.415	4.615	53.810	50.000	7.6
Decachlorobiphenyl	9.070	8.972	9.172	48.860	50.000	-2.3
delta-BHC	4.763	4.664	4.864	58.660	50.000	17.3
Dieldrin	6.345	6.247	6.447	55.330	50.000	10.7
Endosulfan I	6.072	5.975	6.175	54.990	50.000	10.0
Endosulfan II	6.784	6.686	6.886	55.210	50.000	10.4
Endosulfan sulfate	7.148	7.049	7.249	51.710	50.000	3.4
Endrin	6.573	6.475	6.675	54.450	50.000	8.9
Endrin aldehyde	6.913	6.815	7.015	53.140	50.000	6.3
Endrin ketone	7.628	7.530	7.730	50.910	50.000	1.8
gamma-BHC (Lindane)	4.329	4.230	4.430	55.630	50.000	11.3
gamma-Chlordane	5.944	5.846	6.046	55.390	50.000	10.8
Heptachlor	4.928	4.829	5.029	55.190	50.000	10.4
Heptachlor epoxide	5.689	5.591	5.791	54.230	50.000	8.5
Methoxychlor	7.491	7.393	7.593	49.120	50.000	-1.8
Tetrachloro-m-xylene	3.549	3.450	3.650	53.260	50.000	6.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089342.D **Time Analyzed:** 12:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.928	5.830	6.030	53.560	50.000	7.1
4,4'-DDE	5.373	5.275	5.475	57.030	50.000	14.1
4,4'-DDT	6.181	6.084	6.284	56.700	50.000	13.4
Aldrin	4.367	4.269	4.469	56.710	50.000	13.4
alpha-BHC	3.392	3.293	3.493	56.500	50.000	13.0
alpha-Chlordane	5.187	5.091	5.291	56.030	50.000	12.1
beta-BHC	4.024	3.926	4.126	55.510	50.000	11.0
Decachlorobiphenyl	8.070	7.972	8.172	49.450	50.000	-1.1
delta-BHC	4.261	4.162	4.362	56.520	50.000	13.0
Dieldrin	5.511	5.413	5.613	56.420	50.000	12.8
Endosulfan I	5.245	5.147	5.347	58.470	50.000	16.9
Endosulfan II	6.078	5.981	6.181	56.080	50.000	12.2
Endosulfan sulfate	6.480	6.383	6.583	55.240	50.000	10.5
Endrin	5.787	5.689	5.889	55.490	50.000	11.0
Endrin aldehyde	6.257	6.159	6.359	55.170	50.000	10.3
Endrin ketone	6.989	6.892	7.092	53.700	50.000	7.4
gamma-BHC (Lindane)	3.727	3.630	3.830	56.510	50.000	13.0
gamma-Chlordane	5.122	5.026	5.226	55.920	50.000	11.8
Heptachlor	4.081	3.983	4.183	55.880	50.000	11.8
Heptachlor epoxide	4.869	4.773	4.973	56.040	50.000	12.1
Methoxychlor	6.752	6.655	6.855	52.880	50.000	5.8
Tetrachloro-m-xylene	2.880	2.780	2.980	55.560	50.000	11.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 16:27 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	0.00
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	0.00
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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 16:27 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	0.00
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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL02 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089357.D **Time Analyzed:** 16:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.605	6.805	48.940	50.000	-2.1
4,4'-DDE	6.195	6.096	6.296	50.220	50.000	0.4
4,4'-DDT	7.020	6.921	7.121	47.060	50.000	-5.9
Aldrin	5.270	5.171	5.371	54.180	50.000	8.4
alpha-BHC	3.999	3.899	4.099	56.080	50.000	12.2
alpha-Chlordane	6.026	5.927	6.127	50.810	50.000	1.6
beta-BHC	4.516	4.415	4.615	53.080	50.000	6.2
Decachlorobiphenyl	9.072	8.972	9.172	43.590	50.000	-12.8
delta-BHC	4.764	4.664	4.864	58.220	50.000	16.4
Dieldrin	6.346	6.247	6.447	50.000	50.000	0.0
Endosulfan I	6.073	5.975	6.175	50.940	50.000	1.9
Endosulfan II	6.785	6.686	6.886	49.670	50.000	-0.7
Endosulfan sulfate	7.149	7.049	7.249	46.970	50.000	-6.1
Endrin	6.574	6.475	6.675	49.200	50.000	-1.6
Endrin aldehyde	6.914	6.815	7.015	47.240	50.000	-5.5
Endrin ketone	7.629	7.530	7.730	45.600	50.000	-8.8
gamma-BHC (Lindane)	4.330	4.230	4.430	55.350	50.000	10.7
gamma-Chlordane	5.945	5.846	6.046	51.850	50.000	3.7
Heptachlor	4.929	4.829	5.029	54.900	50.000	9.8
Heptachlor epoxide	5.690	5.591	5.791	51.600	50.000	3.2
Methoxychlor	7.492	7.393	7.593	43.830	50.000	-12.3
Tetrachloro-m-xylene	3.550	3.450	3.650	53.260	50.000	6.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL02 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089357.D **Time Analyzed:** 16:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.928	5.830	6.030	49.790	50.000	-0.4
4,4'-DDE	5.374	5.275	5.475	55.190	50.000	10.4
4,4'-DDT	6.183	6.084	6.284	51.090	50.000	2.2
Aldrin	4.368	4.269	4.469	57.050	50.000	14.1
alpha-BHC	3.393	3.293	3.493	57.530	50.000	15.1
alpha-Chlordane	5.189	5.091	5.291	56.760	50.000	13.5
beta-BHC	4.024	3.926	4.126	56.260	50.000	12.5
Decachlorobiphenyl	8.071	7.972	8.172	40.430	50.000	-19.1
delta-BHC	4.261	4.162	4.362	57.120	50.000	14.2
Dieldrin	5.512	5.413	5.613	54.450	50.000	8.9
Endosulfan I	5.246	5.147	5.347	57.500	50.000	15.0
Endosulfan II	6.079	5.981	6.181	51.350	50.000	2.7
Endosulfan sulfate	6.481	6.383	6.583	50.300	50.000	0.6
Endrin	5.788	5.689	5.889	52.730	50.000	5.5
Endrin aldehyde	6.257	6.159	6.359	50.160	50.000	0.3
Endrin ketone	6.990	6.892	7.092	46.390	50.000	-7.2
gamma-BHC (Lindane)	3.729	3.630	3.830	56.490	50.000	13.0
gamma-Chlordane	5.123	5.026	5.226	54.860	50.000	9.7
Heptachlor	4.082	3.983	4.183	56.540	50.000	13.1
Heptachlor epoxide	4.870	4.773	4.973	56.040	50.000	12.1
Methoxychlor	6.753	6.655	6.855	47.310	50.000	-5.4
Tetrachloro-m-xylene	2.881	2.780	2.980	56.880	50.000	13.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 19:59 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	0.00
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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 19:59 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL03 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089369.D **Time Analyzed:** 19:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.605	6.805	49.530	50.000	-0.9
4,4'-DDE	6.195	6.096	6.296	51.310	50.000	2.6
4,4'-DDT	7.020	6.921	7.121	46.530	50.000	-6.9
Aldrin	5.270	5.171	5.371	55.470	50.000	10.9
alpha-BHC	3.999	3.899	4.099	57.030	50.000	14.1
alpha-Chlordane	6.026	5.927	6.127	51.570	50.000	3.1
beta-BHC	4.515	4.415	4.615	54.330	50.000	8.7
Decachlorobiphenyl	9.071	8.972	9.172	42.700	50.000	-14.6
delta-BHC	4.763	4.664	4.864	59.780	50.000	19.6
Dieldrin	6.346	6.247	6.447	52.020	50.000	4.0
Endosulfan I	6.073	5.975	6.175	51.910	50.000	3.8
Endosulfan II	6.785	6.686	6.886	49.910	50.000	-0.2
Endosulfan sulfate	7.148	7.049	7.249	46.690	50.000	-6.6
Endrin	6.573	6.475	6.675	50.500	50.000	1.0
Endrin aldehyde	6.913	6.815	7.015	47.100	50.000	-5.8
Endrin ketone	7.629	7.530	7.730	45.350	50.000	-9.3
gamma-BHC (Lindane)	4.330	4.230	4.430	56.620	50.000	13.2
gamma-Chlordane	5.945	5.846	6.046	52.480	50.000	5.0
Heptachlor	4.929	4.829	5.029	56.020	50.000	12.0
Heptachlor epoxide	5.690	5.591	5.791	52.430	50.000	4.9
Methoxychlor	7.492	7.393	7.593	44.220	50.000	-11.6
Tetrachloro-m-xylene	3.550	3.450	3.650	54.050	50.000	8.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL03 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089369.D **Time Analyzed:** 19:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.929	5.830	6.030	51.220	50.000	2.4
4,4'-DDE	5.374	5.275	5.475	56.600	50.000	13.2
4,4'-DDT	6.183	6.084	6.284	52.240	50.000	4.5
Aldrin	4.368	4.269	4.469	58.350	50.000	16.7
alpha-BHC	3.393	3.293	3.493	58.820	50.000	17.6
alpha-Chlordane	5.189	5.091	5.291	58.480	50.000	17.0
beta-BHC	4.025	3.926	4.126	56.960	50.000	13.9
Decachlorobiphenyl	8.070	7.972	8.172	40.250	50.000	-19.5
delta-BHC	4.261	4.162	4.362	58.390	50.000	16.8
Dieldrin	5.512	5.413	5.613	55.870	50.000	11.7
Endosulfan I	5.246	5.147	5.347	59.210	50.000	18.4
Endosulfan II	6.079	5.981	6.181	52.960	50.000	5.9
Endosulfan sulfate	6.481	6.383	6.583	51.740	50.000	3.5
Endrin	5.788	5.689	5.889	54.820	50.000	9.6
Endrin aldehyde	6.258	6.159	6.359	50.860	50.000	1.7
Endrin ketone	6.990	6.892	7.092	47.030	50.000	-5.9
gamma-BHC (Lindane)	3.728	3.630	3.830	58.890	50.000	17.8
gamma-Chlordane	5.123	5.026	5.226	56.390	50.000	12.8
Heptachlor	4.082	3.983	4.183	57.740	50.000	15.5
Heptachlor epoxide	4.870	4.773	4.973	58.020	50.000	16.0
Methoxychlor	6.753	6.655	6.855	46.840	50.000	-6.3
Tetrachloro-m-xylene	2.881	2.780	2.980	57.660	50.000	15.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 22:17 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	0.00
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	6.78	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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 22:17 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	5.24	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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL04 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089377.D **Time Analyzed:** 22:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.605	6.805	52.200	50.000	4.4
4,4'-DDE	6.195	6.096	6.296	53.730	50.000	7.5
4,4'-DDT	7.019	6.921	7.121	49.740	50.000	-0.5
Aldrin	5.270	5.171	5.371	55.820	50.000	11.6
alpha-BHC	3.999	3.899	4.099	56.850	50.000	13.7
alpha-Chlordane	6.025	5.927	6.127	54.320	50.000	8.6
beta-BHC	4.515	4.415	4.615	54.310	50.000	8.6
Decachlorobiphenyl	9.071	8.972	9.172	44.530	50.000	-10.9
delta-BHC	4.763	4.664	4.864	59.660	50.000	19.3
Dieldrin	6.346	6.247	6.447	54.060	50.000	8.1
Endosulfan I	6.073	5.975	6.175	54.650	50.000	9.3
Endosulfan II	6.784	6.686	6.886	52.730	50.000	5.5
Endosulfan sulfate	7.147	7.049	7.249	50.060	50.000	0.1
Endrin	6.572	6.475	6.675	52.560	50.000	5.1
Endrin aldehyde	6.912	6.815	7.015	49.750	50.000	-0.5
Endrin ketone	7.628	7.530	7.730	48.190	50.000	-3.6
gamma-BHC (Lindane)	4.329	4.230	4.430	56.570	50.000	13.1
gamma-Chlordane	5.945	5.846	6.046	55.030	50.000	10.1
Heptachlor	4.928	4.829	5.029	55.670	50.000	11.3
Heptachlor epoxide	5.689	5.591	5.791	54.160	50.000	8.3
Methoxychlor	7.491	7.393	7.593	45.800	50.000	-8.4
Tetrachloro-m-xylene	3.550	3.450	3.650	53.920	50.000	7.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL04 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089377.D **Time Analyzed:** 22:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.928	5.830	6.030	53.580	50.000	7.2
4,4'-DDE	5.373	5.275	5.475	57.860	50.000	15.7
4,4'-DDT	6.182	6.084	6.284	55.170	50.000	10.3
Aldrin	4.368	4.269	4.469	58.730	50.000	17.5
alpha-BHC	3.393	3.293	3.493	59.330	50.000	18.7
alpha-Chlordane	5.189	5.091	5.291	58.970	50.000	17.9
beta-BHC	4.025	3.926	4.126	57.770	50.000	15.5
Decachlorobiphenyl	8.070	7.972	8.172	42.800	50.000	-14.4
delta-BHC	4.261	4.162	4.362	58.900	50.000	17.8
Dieldrin	5.510	5.413	5.613	57.500	50.000	15.0
Endosulfan I	5.244	5.147	5.347	58.000	50.000	16.0
Endosulfan II	6.079	5.981	6.181	55.640	50.000	11.3
Endosulfan sulfate	6.481	6.383	6.583	54.110	50.000	8.2
Endrin	5.788	5.689	5.889	57.670	50.000	15.3
Endrin aldehyde	6.257	6.159	6.359	54.140	50.000	8.3
Endrin ketone	6.989	6.892	7.092	49.870	50.000	-0.3
gamma-BHC (Lindane)	3.727	3.630	3.830	59.160	50.000	18.3
gamma-Chlordane	5.122	5.026	5.226	57.280	50.000	14.6
Heptachlor	4.082	3.983	4.183	58.260	50.000	16.5
Heptachlor epoxide	4.870	4.773	4.973	58.620	50.000	17.2
Methoxychlor	6.752	6.655	6.855	50.770	50.000	1.5
Tetrachloro-m-xylene	2.881	2.780	2.980	58.340	50.000	16.7

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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 FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
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 FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
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

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No. (PEM): PEM - PD089341.D **Date Analyzed:** 07/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.069	8.970	9.170	22.360	20.000	11.8
Tetrachloro-m-xylene	3.548	3.500	3.600	22.130	20.000	10.7
alpha-BHC	3.998	3.950	4.050	10.370	10.000	3.7
beta-BHC	4.514	4.460	4.560	11.480	10.000	14.8
gamma-BHC (Lindane)	4.328	4.280	4.380	10.940	10.000	9.4
Endrin	6.572	6.500	6.640	56.430	50.000	12.9
4,4'-DDT	7.018	6.950	7.090	108.090	100.000	8.1
Methoxychlor	7.491	7.420	7.560	241.700	250.000	-3.3

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

Client Sample No. (PEM): PEM - PD089341.D **Date Analyzed:** 07/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.070	7.970	8.170	22.270	20.000	11.4
Tetrachloro-m-xylene	2.880	2.830	2.930	23.940	20.000	19.7
alpha-BHC	3.392	3.340	3.440	12.570	10.000	25.7
beta-BHC	4.024	3.970	4.070	12.570	10.000	25.7
gamma-BHC (Lindane)	3.727	3.680	3.780	12.430	10.000	24.3
Endrin	5.788	5.720	5.860	56.770	50.000	13.5
4,4'-DDT	6.182	6.110	6.250	111.020	100.000	11.0
Methoxychlor	6.752	6.680	6.820	217.880	250.000	-12.8

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No. (PEM): PEM - PD089368.D **Date Analyzed:** 07/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:46

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.071	8.970	9.170	18.640	20.000	-6.8
Tetrachloro-m-xylene	3.550	3.500	3.600	22.170	20.000	10.9
alpha-BHC	3.999	3.950	4.050	10.380	10.000	3.8
beta-BHC	4.515	4.460	4.570	11.320	10.000	13.2
gamma-BHC (Lindane)	4.330	4.280	4.380	10.810	10.000	8.1
Endrin	6.573	6.500	6.640	50.760	50.000	1.5
4,4'-DDT	7.020	6.950	7.090	93.780	100.000	-6.2
Methoxychlor	7.492	7.420	7.560	209.510	250.000	-16.2

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

Client Sample No. (PEM): PEM - PD089368.D **Date Analyzed:** 07/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:46

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.070	7.970	8.170	17.220	20.000	-13.9
Tetrachloro-m-xylene	2.881	2.830	2.930	24.710	20.000	23.6
alpha-BHC	3.393	3.340	3.440	13.230	10.000	32.3
beta-BHC	4.025	3.970	4.080	12.720	10.000	27.2
gamma-BHC (Lindane)	3.728	3.680	3.780	12.690	10.000	26.9
Endrin	5.788	5.720	5.860	54.990	50.000	10.0
4,4'-DDT	6.182	6.110	6.250	100.920	100.000	0.9
Methoxychlor	6.752	6.680	6.820	197.940	250.000	-20.8

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2514

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 #
I.BLK	I.BLK	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
I.BLK	I.BLK	07/07/2025	11:34	PD089340.D	9.07	3.55
PEM	PEM	07/07/2025	11:48	PD089341.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/07/2025	12:02	PD089342.D	9.07	3.55
PB168736BL	PB168736BL	07/07/2025	15:07	PD089353.D	9.08	3.55
PB168736BS	PB168736BS	07/07/2025	15:44	PD089354.D	9.08	3.55
I.BLK	I.BLK	07/07/2025	16:13	PD089356.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/07/2025	16:27	PD089357.D	9.07	3.55
TP-92	Q2514-01	07/07/2025	17:56	PD089360.D	9.07	3.55
TP-92MS	Q2514-01MS	07/07/2025	18:10	PD089361.D	9.07	3.55
TP-92MSD	Q2514-01MSD	07/07/2025	18:23	PD089362.D	9.07	3.55
TP-93	Q2514-02	07/07/2025	18:37	PD089363.D	9.07	3.55
TP-94	Q2514-03	07/07/2025	18:51	PD089364.D	9.07	3.55
TP-96	Q2514-04	07/07/2025	19:04	PD089365.D	9.07	3.55
TP-97	Q2514-05	07/07/2025	19:18	PD089366.D	9.07	3.55
I.BLK	I.BLK	07/07/2025	19:32	PD089367.D	9.07	3.55
PEM	PEM	07/07/2025	19:46	PD089368.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/07/2025	19:59	PD089369.D	9.07	3.55
TP-103	Q2514-06	07/07/2025	20:41	PD089370.D	9.07	3.55
TP-36	Q2514-07	07/07/2025	20:54	PD089371.D	9.07	3.55
TP-78	Q2514-08	07/07/2025	21:08	PD089372.D	9.07	3.55
TP-81	Q2514-09	07/07/2025	21:22	PD089373.D	9.07	3.55
TP-90	Q2514-10	07/07/2025	21:35	PD089374.D	9.07	3.55
I.BLK	I.BLK	07/07/2025	22:03	PD089376.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/07/2025	22:17	PD089377.D	9.07	3.55

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2514

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 #
I.BLK	I.BLK	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
I.BLK	I.BLK	07/07/2025	11:34	PD089340.D	8.07	2.88
PEM	PEM	07/07/2025	11:48	PD089341.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/07/2025	12:02	PD089342.D	8.07	2.88
PB168736BL	PB168736BL	07/07/2025	15:07	PD089353.D	8.07	2.88
PB168736BS	PB168736BS	07/07/2025	15:44	PD089354.D	8.07	2.88
I.BLK	I.BLK	07/07/2025	16:13	PD089356.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/07/2025	16:27	PD089357.D	8.07	2.88
TP-92	Q2514-01	07/07/2025	17:56	PD089360.D	8.07	2.88
TP-92MS	Q2514-01MS	07/07/2025	18:10	PD089361.D	8.07	2.88
TP-92MSD	Q2514-01MSD	07/07/2025	18:23	PD089362.D	8.07	2.88
TP-93	Q2514-02	07/07/2025	18:37	PD089363.D	8.07	2.88
TP-94	Q2514-03	07/07/2025	18:51	PD089364.D	8.07	2.88
TP-96	Q2514-04	07/07/2025	19:04	PD089365.D	8.07	2.88
TP-97	Q2514-05	07/07/2025	19:18	PD089366.D	8.07	2.88
I.BLK	I.BLK	07/07/2025	19:32	PD089367.D	8.07	2.88
PEM	PEM	07/07/2025	19:46	PD089368.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/07/2025	19:59	PD089369.D	8.07	2.88
TP-103	Q2514-06	07/07/2025	20:41	PD089370.D	8.07	2.88
TP-36	Q2514-07	07/07/2025	20:54	PD089371.D	8.07	2.88
TP-78	Q2514-08	07/07/2025	21:08	PD089372.D	8.07	2.88
TP-81	Q2514-09	07/07/2025	21:22	PD089373.D	8.07	2.88
TP-90	Q2514-10	07/07/2025	21:35	PD089374.D	8.07	2.88
I.BLK	I.BLK	07/07/2025	22:03	PD089376.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/07/2025	22:17	PD089377.D	8.07	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168736BS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: PB168736BS **Date(s) Analyzed:** 07/07/2025 07/07/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	16.3	7.7
	2	5.93	5.88	5.98	17.6	
4,4'-DDE	1	6.20	6.15	6.25	16.0	13.4
	2	5.37	5.32	5.42	18.3	
4,4'-DDT	1	7.02	6.97	7.07	16.0	7.2
	2	6.18	6.13	6.23	17.2	
alpha-BHC	1	4.00	3.95	4.05	17.9	4.9
	2	3.39	3.34	3.44	18.8	
Aldrin	1	5.27	5.22	5.32	17.6	6.6
	2	4.37	4.32	4.42	18.8	
alpha-Chlordane	1	6.03	5.98	6.08	16.8	9.6
	2	5.19	5.14	5.24	18.5	
Endosulfan II	1	6.79	6.74	6.84	16.6	4.7
	2	6.08	6.03	6.13	17.4	
Endosulfan sulfate	1	7.15	7.10	7.20	15.8	5.5
	2	6.48	6.43	6.53	16.7	
beta-BHC	1	4.52	4.47	4.57	17.0	7.4
	2	4.03	3.98	4.08	18.3	
delta-BHC	1	4.77	4.72	4.82	18.7	1.1
	2	4.26	4.21	4.31	18.9	
Endosulfan I	1	6.08	6.03	6.13	16.8	10.7
	2	5.25	5.20	5.30	18.7	
Dieldrin	1	6.35	6.30	6.40	16.6	8.6
	2	5.51	5.46	5.56	18.1	
Endrin aldehyde	1	6.92	6.87	6.97	16.1	4.8
	2	6.26	6.21	6.31	16.9	
Methoxychlor	1	7.50	7.45	7.55	14.6	8.5
	2	6.75	6.70	6.80	15.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168736BS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: PB168736BS **Date(s) Analyzed:** 07/07/2025 07/07/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	15.4	2.6
	2	6.99	6.94	7.04	15.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.8	5.5
	2	3.73	3.68	3.78	18.8	
Heptachlor	1	4.93	4.88	4.98	17.9	3.8
	2	4.08	4.03	4.13	18.6	
Heptachlor epoxide	1	5.69	5.64	5.74	17.1	10.5
	2	4.87	4.82	4.92	19.0	
gamma-Chlordane	1	5.95	5.90	6.00	16.9	9.6
	2	5.13	5.08	5.18	18.6	
Endrin	1	6.58	6.53	6.63	16.4	5.9
	2	5.79	5.74	5.84	17.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-92MS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-01MS **Date(s) Analyzed:** 07/07/2025 07/07/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
Heptachlor	1	4.93	4.88	4.98	15.5	10.4
	2	4.08	4.03	4.13	17.2	
Aldrin	1	5.27	5.22	5.32	15.2	11.8
	2	4.37	4.32	4.42	17.1	
beta-BHC	1	4.52	4.47	4.57	15.8	9.6
	2	4.03	3.98	4.08	17.4	
delta-BHC	1	4.76	4.71	4.81	16.9	1.2
	2	4.26	4.21	4.31	17.1	
Heptachlor epoxide	1	5.69	5.64	5.74	14.3	13.7
	2	4.87	4.82	4.92	16.4	
Endosulfan I	1	6.07	6.02	6.12	14.0	12.1
	2	5.25	5.20	5.30	15.8	
gamma-Chlordane	1	5.95	5.90	6.00	13.9	12.2
	2	5.12	5.07	5.17	15.7	
alpha-Chlordane	1	6.03	5.98	6.08	13.9	11.5
	2	5.19	5.14	5.24	15.6	
4,4'-DDE	1	6.20	6.15	6.25	13.7	11.7
	2	5.37	5.32	5.42	15.4	
Dieldrin	1	6.35	6.30	6.40	13.4	10.6
	2	5.51	5.46	5.56	14.9	
Endrin	1	6.57	6.52	6.62	13.6	2.9
	2	5.79	5.74	5.84	14.0	
Endosulfan II	1	6.79	6.74	6.84	13.2	1.5
	2	6.08	6.03	6.13	13.0	
4,4'-DDD	1	6.70	6.65	6.75	13.0	0.8
	2	5.93	5.88	5.98	12.9	
4,4'-DDT	1	7.02	6.97	7.07	12.2	5.6
	2	6.18	6.13	6.23	12.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-92MS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-01MS **Date(s) Analyzed:** 07/07/2025 07/07/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin aldehyde	1	6.91	6.86	6.96	12.8	0
	2	6.26	6.21	6.31	12.8	
Endosulfan sulfate	1	7.15	7.10	7.20	12.9	0.8
	2	6.48	6.43	6.53	13.0	
Methoxychlor	1	7.49	7.44	7.54	11.1	8.6
	2	6.75	6.70	6.80	12.1	
Endrin ketone	1	7.63	7.58	7.68	12.2	8.5
	2	6.99	6.94	7.04	11.2	
alpha-BHC	1	4.00	3.95	4.05	16.0	11.2
	2	3.39	3.34	3.44	17.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.3	8.8
	2	3.73	3.68	3.78	17.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-92MSD

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-01MSD **Date(s) Analyzed:** 07/07/2025 07/07/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	13.3	4.4
	2	6.08	6.03	6.13	13.9	
4,4'-DDD	1	6.70	6.65	6.75	13.4	2.2
	2	5.93	5.88	5.98	13.7	
4,4'-DDT	1	7.02	6.97	7.07	12.8	9
	2	6.18	6.13	6.23	14.0	
Endrin aldehyde	1	6.91	6.86	6.96	13.5	0.7
	2	6.26	6.21	6.31	13.6	
Endosulfan sulfate	1	7.15	7.10	7.20	12.6	7.6
	2	6.48	6.43	6.53	13.6	
alpha-BHC	1	4.00	3.95	4.05	16.4	8.7
	2	3.39	3.34	3.44	17.9	
Aldrin	1	5.27	5.22	5.32	15.7	10.3
	2	4.37	4.32	4.42	17.4	
beta-BHC	1	4.52	4.47	4.57	15.8	11.3
	2	4.02	3.97	4.07	17.7	
delta-BHC	1	4.76	4.71	4.81	17.6	1.7
	2	4.26	4.21	4.31	17.3	
Endosulfan I	1	6.07	6.02	6.12	14.5	15.3
	2	5.25	5.20	5.30	16.9	
alpha-Chlordane	1	6.03	5.98	6.08	14.5	13.5
	2	5.19	5.14	5.24	16.6	
4,4'-DDE	1	6.20	6.15	6.25	14.0	14
	2	5.37	5.32	5.42	16.1	
Dieldrin	1	6.35	6.30	6.40	13.8	10.3
	2	5.51	5.46	5.56	15.3	
Endrin	1	6.57	6.52	6.62	14.0	5.6
	2	5.79	5.74	5.84	14.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-92MSD

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-01MSD **Date(s) Analyzed:** 07/07/2025 07/07/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.49	7.44	7.54	12.1	7.2
	2	6.75	6.70	6.80	13.0	
Endrin ketone	1	7.63	7.58	7.68	12.6	3.2
	2	6.99	6.94	7.04	12.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.3	9.4
	2	3.73	3.68	3.78	17.9	
Heptachlor	1	4.93	4.88	4.98	16.3	6.5
	2	4.08	4.03	4.13	17.4	
Heptachlor epoxide	1	5.69	5.64	5.74	14.7	13.9
	2	4.87	4.82	4.92	16.9	
gamma-Chlordane	1	5.95	5.90	6.00	14.7	9.1
	2	5.12	5.07	5.17	16.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-93

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-02 **Date(s) Analyzed:** 07/07/2025 07/07/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-Chlordane	1	6.03	5.98	6.08	0.36	17.1
	2	5.19	5.14	5.24	0.30	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-94

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-03 **Date(s) Analyzed:** 07/07/2025 07/07/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	0.39	34.5
	2	6.18	6.13	6.23	0.55	
4,4'-DDE	1	6.20	6.15	6.25	0.23	56.6
	2	5.37	5.32	5.42	0.42	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-96

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-04 **Date(s) Analyzed:** 07/07/2025 07/07/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	0.24	32.9
	2	6.18	6.13	6.23	0.33	