

LAB CHRONICLE

OrderID:	Q2413	OrderDate:	6/24/2025 3:05:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2413-01	TP-35	SOIL			06/23/25			06/24/25
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-02	TP-34	SOIL			06/23/25			06/24/25
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-03	TP-77	SOIL			06/23/25			06/24/25
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-04	TP-74	SOIL			06/23/25			06/24/25
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-05	TP-73	SOIL			06/23/25			06/24/25
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-06	TP-72	SOIL			06/24/25			06/24/25
			Gasoline Range Organics	8015D			06/26/25	
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	

Hit Summary Sheet
SW-846

SDG No.: Q2413

Order ID: Q2413

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-34								
Q2413-02	TP-34	SOIL	beta-BHC	0.39	JP	0.20	1.80	ug/kg
Q2413-02	TP-34	SOIL	alpha-Chlordane	1.20	JP	0.13	1.80	ug/kg
Q2413-02	TP-34	SOIL	gamma-Chlordane	0.78	JP	0.16	1.80	ug/kg
Total Concentration:				2.370				
Client ID : TP-77								
Q2413-03	TP-77	SOIL	Endrin	0.26	JP	0.15	1.90	ug/kg
Total Concentration:				0.260				
Client ID : TP-74								
Q2413-04	TP-74	SOIL	4,4-DDE	0.37	JP	0.16	1.90	ug/kg
Q2413-04	TP-74	SOIL	4,4-DDT	0.43	JP	0.16	1.90	ug/kg
Total Concentration:				0.800				
Client ID : TP-73								
Q2413-05	TP-73	SOIL	4,4-DDD	0.29	J	0.19	2.20	ug/kg
Total Concentration:				0.290				



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-35	SDG No.:	Q2413
Lab Sample ID:	Q2413-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.8
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089177.D	1	06/26/25 08:20	06/27/25 04:33	PB168623

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	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	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	0.21	U	0.21	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	37.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.2		20 - 144	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		19 - 148	106%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/23/25	
Project:	South River WM Replacement		Date Received:	06/24/25	
Client Sample ID:	TP-35		SDG No.:	Q2413	
Lab Sample ID:	Q2413-01		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	88.8	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
PD089177.D	1	06/26/25 08:20	06/27/25 04:33	PB168623

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-34	SDG No.:	Q2413
Lab Sample ID:	Q2413-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	92
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089178.D	1	06/26/25 08:20	06/27/25 04:47	PB168623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.39	JP	0.20	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	1.20	JP	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.78	JP	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	35.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.7		20 - 144	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		19 - 148	101%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/23/25	
Project:	South River WM Replacement		Date Received:	06/24/25	
Client Sample ID:	TP-34		SDG No.:	Q2413	
Lab Sample ID:	Q2413-02		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	92	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
PD089178.D	1	06/26/25 08:20	06/27/25 04:47	PB168623

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

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-77	SDG No.:	Q2413
Lab Sample ID:	Q2413-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.4
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089179.D	1	06/26/25 08:20	06/27/25 05:01	PB168623

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	0.26	JP	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	36.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.7		20 - 144	84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		19 - 148	100%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/23/25	
Project:	South River WM Replacement		Date Received:	06/24/25	
Client Sample ID:	TP-77		SDG No.:	Q2413	
Lab Sample ID:	Q2413-03		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	91.4	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
PD089179.D	1	06/26/25 08:20	06/27/25 05:01	PB168623

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

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-74	SDG No.:	Q2413
Lab Sample ID:	Q2413-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.5
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089180.D	1	06/26/25 08:20	06/27/25 05:14	PB168623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.37	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	0.32	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	0.43	JP	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.7		20 - 144	74%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		19 - 148	94%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/23/25	
Project:	South River WM Replacement		Date Received:	06/24/25	
Client Sample ID:	TP-74		SDG No.:	Q2413	
Lab Sample ID:	Q2413-04		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	89.5	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089180.D	1	06/26/25 08:20	06/27/25 05:14	PB168623

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

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-73	SDG No.:	Q2413
Lab Sample ID:	Q2413-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	77.1
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089183.D	1	06/26/25 08:20	06/27/25 11:14	PB168623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.17	U	0.17	2.20	ug/kg
319-85-7	beta-BHC	0.23	U	0.23	2.20	ug/kg
319-86-8	delta-BHC	0.51	U	0.51	2.20	ug/kg
58-89-9	gamma-BHC (Lindane)	0.18	U	0.18	2.20	ug/kg
76-44-8	Heptachlor	0.16	U	0.16	2.20	ug/kg
309-00-2	Aldrin	0.16	U	0.16	2.20	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	2.20	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	2.20	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.20	ug/kg
72-55-9	4,4-DDE	0.18	U	0.18	2.20	ug/kg
72-20-8	Endrin	0.18	U	0.18	2.20	ug/kg
33213-65-9	Endosulfan II	0.38	U	0.38	2.20	ug/kg
72-54-8	4,4-DDD	0.29	J	0.19	2.20	ug/kg
1031-07-8	Endosulfan Sulfate	0.17	U	0.17	2.20	ug/kg
50-29-3	4,4-DDT	0.18	U	0.18	2.20	ug/kg
72-43-5	Methoxychlor	0.48	U	0.48	2.20	ug/kg
53494-70-5	Endrin ketone	0.25	U	0.25	2.20	ug/kg
7421-93-4	Endrin aldehyde	0.48	U	0.48	2.20	ug/kg
5103-71-9	alpha-Chlordane	0.16	U	0.16	2.20	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	2.20	ug/kg
8001-35-2	Toxaphene	7.00	U	7.00	42.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.9		20 - 144	60%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		19 - 148	99%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/23/25	
Project:	South River WM Replacement		Date Received:	06/24/25	
Client Sample ID:	TP-73		SDG No.:	Q2413	
Lab Sample ID:	Q2413-05		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	77.1	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
PD089183.D	1	06/26/25 08:20	06/27/25 11:14	PB168623

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-72	SDG No.:	Q2413
Lab Sample ID:	Q2413-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089184.D	1	06/26/25 08:20	06/27/25 11:28	PB168623

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	0.42	U	0.42	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	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	37.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.6		20 - 144	58%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		19 - 148	99%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/24/25	
Project:	South River WM Replacement		Date Received:	06/24/25	
Client Sample ID:	TP-72		SDG No.:	Q2413	
Lab Sample ID:	Q2413-06		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	87	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
PD089184.D	1	06/26/25 08:20	06/27/25 11:28	PB168623

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: **Q2413**

Client: **CDM Smith**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PD088990.D	PIBLK-PD088990.D	Decachlorobiphenyl	1	20	18.2	91		57	171
		Tetrachloro-m-xylene	1	20	16.1	80		61	148
		Decachlorobiphenyl	2	20	18.6	93		57	171
		Tetrachloro-m-xylene	2	20	17.7	88		61	148
I.BLK-PD089157.D	PIBLK-PD089157.D	Decachlorobiphenyl	1	20	21.3	106		57	171
		Tetrachloro-m-xylene	1	20	20.9	104		61	148
		Decachlorobiphenyl	2	20	20.8	104		57	171
		Tetrachloro-m-xylene	2	20	22.2	111		61	148
PB168623BL	PB168623BL	Decachlorobiphenyl	1	20	17.6	88		20	144
		Tetrachloro-m-xylene	1	20	17.9	89		19	148
		Decachlorobiphenyl	2	20	16.3	81		20	144
		Tetrachloro-m-xylene	2	20	19.3	97		19	148
PB168623BS	PB168623BS	Decachlorobiphenyl	1	20	22.1	111		20	144
		Tetrachloro-m-xylene	1	20	21.3	106		19	148
		Decachlorobiphenyl	2	20	20.9	105		20	144
		Tetrachloro-m-xylene	2	20	22.9	114		19	148
I.BLK-PD089171.D	PIBLK-PD089171.D	Decachlorobiphenyl	1	20	19.8	99		57	171
		Tetrachloro-m-xylene	1	20	20.5	103		61	148
		Decachlorobiphenyl	2	20	17.4	87		57	171
		Tetrachloro-m-xylene	2	20	21.6	108		61	148
I.BLK-PD089174.D	PIBLK-PD089174.D	Decachlorobiphenyl	1	20	21.4	107		57	171
		Tetrachloro-m-xylene	1	20	22.1	110		61	148
		Decachlorobiphenyl	2	20	19.3	97		57	171
		Tetrachloro-m-xylene	2	20	23.4	117		61	148
Q2413-01	TP-35	Decachlorobiphenyl	1	20	19.2	96		20	144
		Tetrachloro-m-xylene	1	20	20.3	102		19	148
		Decachlorobiphenyl	2	20	16.6	83		20	144
		Tetrachloro-m-xylene	2	20	21.2	106		19	148
Q2413-02	TP-34	Decachlorobiphenyl	1	20	20.7	103		20	144
		Tetrachloro-m-xylene	1	20	19.5	97		19	148
		Decachlorobiphenyl	2	20	16.1	80		20	144
		Tetrachloro-m-xylene	2	20	20.1	101		19	148
Q2413-03	TP-77	Decachlorobiphenyl	1	20	16.7	84		20	144
		Tetrachloro-m-xylene	1	20	19.6	98		19	148
		Decachlorobiphenyl	2	20	14.4	72		20	144
		Tetrachloro-m-xylene	2	20	19.9	100		19	148
Q2413-04	TP-74	Decachlorobiphenyl	1	20	14.7	74		20	144
		Tetrachloro-m-xylene	1	20	18.8	94		19	148
		Decachlorobiphenyl	2	20	13.1	65		20	144
		Tetrachloro-m-xylene	2	20	18.8	94		19	148
Q2413-05	TP-73	Decachlorobiphenyl	1	20	11.9	60		20	144

Surrogate Summary

SDG No.: Q2413

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q2413-05	TP-73	Tetrachloro-m-xylene	1	20	14.7	74		19	148
		Decachlorobiphenyl	2	20	9.33	47		20	144
Q2413-06	TP-72	Tetrachloro-m-xylene	2	20	19.8	99		19	148
		Decachlorobiphenyl	1	20	11.6	58		20	144
		Tetrachloro-m-xylene	1	20	18.0	90		19	148
		Decachlorobiphenyl	2	20	9.94	50		20	144
		Tetrachloro-m-xylene	2	20	19.9	99		19	148
		Decachlorobiphenyl	1	20	20.0	100		57	171
I.BLK-PD089187.D	PIBLK-PD089187.D	Tetrachloro-m-xylene	1	20	22.3	112		61	148
		Decachlorobiphenyl	2	20	17.8	89		57	171
		Tetrachloro-m-xylene	2	20	23.6	118		61	148
		Decachlorobiphenyl	1	20	22.1	110		57	171
I.BLK-PD089190.D	PIBLK-PD089190.D	Tetrachloro-m-xylene	1	20	22.8	114		61	148
		Decachlorobiphenyl	2	20	21.5	107		57	171
		Tetrachloro-m-xylene	2	20	24.4	122		61	148
		Decachlorobiphenyl	1	20	16.0	80		20	144
Q2425-03MS	COMP-3MS	Tetrachloro-m-xylene	1	20	17.0	85		19	148
		Decachlorobiphenyl	2	20	16.5	82		20	144
		Tetrachloro-m-xylene	2	20	18.5	92		19	148
		Decachlorobiphenyl	1	20	16.8	84		20	144
Q2425-03MSD	COMP-3MSD	Tetrachloro-m-xylene	1	20	17.4	87		19	148
		Decachlorobiphenyl	2	20	16.7	83		20	144
		Tetrachloro-m-xylene	2	20	18.4	92		19	148
		Decachlorobiphenyl	1	20	22.4	112		57	171
I.BLK-PD089201.D	PIBLK-PD089201.D	Tetrachloro-m-xylene	1	20	22.9	114		61	148
		Decachlorobiphenyl	2	20	21.9	109		57	171
		Tetrachloro-m-xylene	2	20	24.5	122		61	148
		Decachlorobiphenyl	1	20	22.4	112		57	171

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	Q2413	Analytical Method:	8081B
Client:	CDM Smith	DataFile :	PD089198.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2425-03MS (Column 1)	COMP-3MS											
	alpha-BHC	20.12	0	16.7	ug/kg	83				60	144	
	beta-BHC	20.12	0	17.1	ug/kg	85				54	143	
	delta-BHC	20.12	0	17.1	ug/kg	85				29	151	
	gamma-BHC (Lindane)	20.12	0	16.1	ug/kg	80				61	140	
	Heptachlor	20.12	0	14.7	ug/kg	73				63	135	
	Aldrin	20.12	0	17.6	ug/kg	87				49	139	
	Heptachlor epoxide	20.12	0	17.3	ug/kg	86				41	156	
	Endosulfan I	20.12	0	17.4	ug/kg	86				56	142	
	Dieldrin	20.12	0	17.4	ug/kg	86				47	161	
	4,4'-DDE	20.12	0	17.2	ug/kg	85				55	136	
	Endrin	20.12	0	16.1	ug/kg	80				57	139	
	Endosulfan II	20.12	0	17.1	ug/kg	85				40	163	
	4,4'-DDD	20.12	0	18.6	ug/kg	92				47	163	
	Endosulfan sulfate	20.12	0	13.7	ug/kg	68				62	139	
	4,4'-DDT	20.12	0	11.5	ug/kg	57				51	146	
	Methoxychlor	20.12	0	11.0	ug/kg	55				54	136	
	Endrin ketone	20.12	0	16.4	ug/kg	82				60	129	
	Endrin aldehyde	20.12	0	11.4	ug/kg	57	*			59	132	
	alpha-Chlordane	20.12	0	17.3	ug/kg	86				39	166	
	gamma-Chlordane	20.12	0	18.1	ug/kg	90				44	175	
Client Sample ID: Q2425-03MS (Column 2)	COMP-3MS											
	alpha-BHC	20.12	0	17.3	ug/kg	86				60	144	
	beta-BHC	20.12	0	18.1	ug/kg	90				54	143	
	delta-BHC	20.12	0	16.6	ug/kg	83				29	151	
	gamma-BHC (Lindane)	20.12	0	16.4	ug/kg	82				61	140	
	Heptachlor	20.12	0	15.2	ug/kg	76				63	135	
	Aldrin	20.12	0	17.9	ug/kg	89				49	139	
	Heptachlor epoxide	20.12	0	17.9	ug/kg	89				41	156	
	Endosulfan I	20.12	0	17.3	ug/kg	86				56	142	
	Dieldrin	20.12	0	17.6	ug/kg	87				47	161	
	4,4'-DDE	20.12	0	17.7	ug/kg	88				55	136	
	Endrin	20.12	0	16.5	ug/kg	82				57	139	
	Endosulfan II	20.12	0	17.2	ug/kg	85				40	163	
	4,4'-DDD	20.12	0	17.8	ug/kg	88				47	163	
	Endosulfan sulfate	20.12	0	13.9	ug/kg	69				62	139	
	4,4'-DDT	20.12	0	13.3	ug/kg	66				51	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2413</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089198.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
			Result	Result							High	RPD
Q2425-03MS (Column 2)	Methoxychlor	20.12	0	11.9	ug/kg	59				54	136	
	Endrin ketone	20.12	0	16.5	ug/kg	82				60	129	
	Endrin aldehyde	20.12	0	11.7	ug/kg	58	*			59	132	
	alpha-Chlordane	20.12	0	17.6	ug/kg	87				39	166	
	gamma-Chlordane	20.12	0	17.8	ug/kg	88				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2413</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089199.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2425-03MSD (Column 1)	COMP-3MSD											
	alpha-BHC	20.16	0	17.4	ug/kg	86		4		60	144	20
	beta-BHC	20.16	0	17.2	ug/kg	85		0		54	143	20
	delta-BHC	20.16	0	16.7	ug/kg	83		2		29	151	20
	gamma-BHC (Lindane)	20.16	0	17.0	ug/kg	84		5		61	140	20
	Heptachlor	20.16	0	13.6	ug/kg	67		9		63	135	20
	Aldrin	20.16	0	18.2	ug/kg	90		3		49	139	20
	Heptachlor epoxide	20.16	0	17.6	ug/kg	87		1		41	156	20
	Endosulfan I	20.16	0	17.7	ug/kg	88		2		56	142	20
	Dieldrin	20.16	0	17.8	ug/kg	88		2		47	161	20
	4,4'-DDE	20.16	0	18.2	ug/kg	90		6		55	136	20
	Endrin	20.16	0	16.7	ug/kg	83		4		57	139	20
	Endosulfan II	20.16	0	17.5	ug/kg	87		2		40	163	20
	4,4'-DDD	20.16	0	17.7	ug/kg	88		4		47	163	20
	Endosulfan sulfate	20.16	0	15.0	ug/kg	74		8		62	139	20
	4,4'-DDT	20.16	0	10.2	ug/kg	51		11		51	146	20
	Methoxychlor	20.16	0	9.40	ug/kg	47	*	16		54	136	20
	Endrin ketone	20.16	0	15.4	ug/kg	76		8		60	129	20
	Endrin aldehyde	20.16	0	13.7	ug/kg	68		18		59	132	20
	alpha-Chlordane	20.16	0	17.7	ug/kg	88		2		39	166	20
	gamma-Chlordane	20.16	0	18.7	ug/kg	93		3		44	175	20
Client Sample ID: Q2425-03MSD (Column 2)	COMP-3MSD											
	alpha-BHC	20.16	0	17.8	ug/kg	88		2		60	144	20
	beta-BHC	20.16	0	18.1	ug/kg	90		0		54	143	20
	delta-BHC	20.16	0	16.2	ug/kg	80		4		29	151	20
	gamma-BHC (Lindane)	20.16	0	17.2	ug/kg	85		4		61	140	20
	Heptachlor	20.16	0	13.9	ug/kg	69		10		63	135	20
	Aldrin	20.16	0	18.3	ug/kg	91		2		49	139	20
	Heptachlor epoxide	20.16	0	18.0	ug/kg	89		0		41	156	20
	Endosulfan I	20.16	0	17.3	ug/kg	86		0		56	142	20
	Dieldrin	20.16	0	17.9	ug/kg	89		2		47	161	20
	4,4'-DDE	20.16	0	18.4	ug/kg	91		3		55	136	20
	Endrin	20.16	0	16.5	ug/kg	82		0		57	139	20
	Endosulfan II	20.16	0	17.3	ug/kg	86		1		40	163	20
	4,4'-DDD	20.16	0	17.1	ug/kg	85		3		47	163	20
	Endosulfan sulfate	20.16	0	14.3	ug/kg	71		3		62	139	20
	4,4'-DDT	20.16	0	12.9	ug/kg	64		3		51	146	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2413</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089199.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
			Result	Result							High	RPD
Q2425-03MSD (Column 2)	Methoxychlor	20.16	0	10.4	ug/kg	52	*	13		54	136	20
	Endrin ketone	20.16	0	15.5	ug/kg	77		6		60	129	20
	Endrin aldehyde	20.16	0	13.5	ug/kg	67		14		59	132	20
	alpha-Chlordane	20.16	0	17.9	ug/kg	89		2		39	166	20
	gamma-Chlordane	20.16	0	18.4	ug/kg	91		3		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q2413	Analytical Method:	8081B
Client:	CDM Smith	Datafile :	PD089167.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168623BS (Column 1)	alpha-BHC	16.65	16.2	ug/kg	97				84	123	
	beta-BHC	16.65	15.7	ug/kg	94				82	123	
	delta-BHC	16.65	16.9	ug/kg	102				83	126	
	gamma-BHC (Lindane)	16.65	16.2	ug/kg	97				83	125	
	Heptachlor	16.65	15.7	ug/kg	94				83	122	
	Aldrin	16.65	16.2	ug/kg	97				82	124	
	Heptachlor epoxide	16.65	15.7	ug/kg	94				83	120	
	Endosulfan I	16.65	15.9	ug/kg	95				81	124	
	Dieldrin	16.65	15.9	ug/kg	95				85	121	
	4,4'-DDE	16.65	15.9	ug/kg	95				81	123	
	Endrin	16.65	14.3	ug/kg	86				76	130	
	Endosulfan II	16.65	15.7	ug/kg	94				80	125	
	4,4'-DDD	16.65	16.1	ug/kg	97				80	131	
	Endosulfan sulfate	16.65	15.1	ug/kg	91				81	122	
	4,4'-DDT	16.65	13.9	ug/kg	83				70	129	
	Methoxychlor	16.65	12.9	ug/kg	77				60	119	
	Endrin ketone	16.65	15.5	ug/kg	93				77	132	
	Endrin aldehyde	16.65	15.3	ug/kg	92				79	124	
	alpha-Chlordane	16.65	15.9	ug/kg	95				84	120	
	gamma-Chlordane	16.65	16.0	ug/kg	96				83	122	
	alpha-BHC	16.65	15.9	ug/kg	95				84	123	
PB168623BS (Column 2)	beta-BHC	16.65	15.7	ug/kg	94				82	123	
	delta-BHC	16.65	15.9	ug/kg	95				83	126	
	gamma-BHC (Lindane)	16.65	15.9	ug/kg	95				83	125	
	Heptachlor	16.65	15.1	ug/kg	91				83	122	
	Aldrin	16.65	15.9	ug/kg	95				82	124	
	Heptachlor epoxide	16.65	15.8	ug/kg	95				83	120	
	Endosulfan I	16.65	15.8	ug/kg	95				81	124	
	Dieldrin	16.65	15.5	ug/kg	93				85	121	
	4,4'-DDE	16.65	15.5	ug/kg	93				81	123	
	Endrin	16.65	14.1	ug/kg	85				76	130	
	Endosulfan II	16.65	15.4	ug/kg	92				80	125	
	4,4'-DDD	16.65	16.0	ug/kg	96				80	131	
	Endosulfan sulfate	16.65	14.9	ug/kg	89				81	122	
	4,4'-DDT	16.65	13.9	ug/kg	83				70	129	
	Methoxychlor	16.65	13.0	ug/kg	78				60	119	
	Endrin ketone	16.65	15.1	ug/kg	91				77	132	
	Endrin aldehyde	16.65	15.1	ug/kg	91				79	124	
	alpha-Chlordane	16.65	15.6	ug/kg	94				84	120	
	gamma-Chlordane	16.65	15.7	ug/kg	94				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168623BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413

SAS No.: Q2413 SDG NO.: Q2413

Lab Sample ID: PB168623BL

Lab File ID: PD089166.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/26/2025

Date Analyzed (1): 06/26/2025

Date Analyzed (2): 06/26/2025

Time Analyzed (1): 13:44

Time Analyzed (2): 13:44

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
PB168623BS	PB168623BS	PD089167.D	06/26/2025	06/26/2025
TP-35	Q2413-01	PD089177.D	06/27/2025	06/27/2025
TP-34	Q2413-02	PD089178.D	06/27/2025	06/27/2025
TP-77	Q2413-03	PD089179.D	06/27/2025	06/27/2025
TP-74	Q2413-04	PD089180.D	06/27/2025	06/27/2025
TP-73	Q2413-05	PD089183.D	06/27/2025	06/27/2025
TP-72	Q2413-06	PD089184.D	06/27/2025	06/27/2025
COMP-3MS	Q2425-03MS	PD089198.D	06/27/2025	06/27/2025
COMP-3MSD	Q2425-03MSD	PD089199.D	06/27/2025	06/27/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168623BL	SDG No.:	Q2413
Lab Sample ID:	PB168623BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089166.D	1	06/26/25 08:20	06/26/25 13:44	PB168623

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	17.6		20 - 144	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		19 - 148	97%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168623BL		SDG No.:	Q2413	
Lab Sample ID:	PB168623BL		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
PD089166.D	1	06/26/25 08:20	06/26/25 13:44	PB168623

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/17/25
Project:	South River WM Replacement	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PD088990.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/17/25
Project:	South River WM Replacement	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PD088990.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

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

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

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	PIBLK-PD089157.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PD089157.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089157.D	1		06/26/25	pd062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.3		57 - 171	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		61 - 148	111%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/26/25	
Project:	South River WM Replacement		Date Received:	06/26/25	
Client Sample ID:	PIBLK-PD089157.D		SDG No.:	Q2413	
Lab Sample ID:	I.BLK-PD089157.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
PD089157.D	1		06/26/25	pd062625

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

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	PIBLK-PD089171.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PD089171.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089171.D	1		06/26/25	pd062625

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	19.8		57 - 171	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		61 - 148	108%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/26/25	
Project:	South River WM Replacement		Date Received:	06/26/25	
Client Sample ID:	PIBLK-PD089171.D		SDG No.:	Q2413	
Lab Sample ID:	I.BLK-PD089171.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
PD089171.D	1		06/26/25	pd062625

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

U = Not Detected

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MDL = Method Detection Limit

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E = Value Exceeds Calibration Range

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

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PD089174.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PD089174.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089174.D	1		06/27/25	pd062725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		57 - 171	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.4		61 - 148	117%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/27/25	
Project:	South River WM Replacement		Date Received:	06/27/25	
Client Sample ID:	PIBLK-PD089174.D		SDG No.:	Q2413	
Lab Sample ID:	I.BLK-PD089174.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
PD089174.D	1		06/27/25	pd062725

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

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MDL = Method Detection Limit

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E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PD089187.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PD089187.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089187.D	1		06/27/25	pd062725

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	23.6		61 - 148	118%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/27/25	
Project:	South River WM Replacement		Date Received:	06/27/25	
Client Sample ID:	PIBLK-PD089187.D		SDG No.:	Q2413	
Lab Sample ID:	I.BLK-PD089187.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
PD089187.D	1		06/27/25	pd062725

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

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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

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PD089190.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PD089190.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089190.D	1		06/27/25	pd062825

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	22.1		57 - 171	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.4		61 - 148	122%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/27/25	
Project:	South River WM Replacement		Date Received:	06/27/25	
Client Sample ID:	PIBLK-PD089190.D		SDG No.:	Q2413	
Lab Sample ID:	I.BLK-PD089190.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
PD089190.D	1		06/27/25	pd062825

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

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PD089201.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PD089201.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089201.D	1		06/27/25	pd062825

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	22.4		57 - 171	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		61 - 148	122%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PD089201.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PD089201.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089201.D	1		06/27/25	pd062825

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168623BS	SDG No.:	Q2413
Lab Sample ID:	PB168623BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089167.D	1	06/26/25 08:20	06/26/25 14:59	PB168623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.2		0.13	1.70	ug/kg
319-85-7	beta-BHC	15.7		0.18	1.70	ug/kg
319-86-8	delta-BHC	16.9		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.2		0.14	1.70	ug/kg
76-44-8	Heptachlor	15.7		0.12	1.70	ug/kg
309-00-2	Aldrin	16.2		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	15.8		0.19	1.70	ug/kg
959-98-8	Endosulfan I	15.9		0.14	1.70	ug/kg
60-57-1	Dieldrin	15.9		0.14	1.70	ug/kg
72-55-9	4,4-DDE	15.9		0.14	1.70	ug/kg
72-20-8	Endrin	14.3		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	15.7		0.29	1.70	ug/kg
72-54-8	4,4-DDD	16.1		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	15.1		0.13	1.70	ug/kg
50-29-3	4,4-DDT	13.9		0.14	1.70	ug/kg
72-43-5	Methoxychlor	13.0		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	15.5		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	15.3		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	15.9		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.0		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.1		20 - 144	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		19 - 148	114%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168623BS		SDG No.:	Q2413	
Lab Sample ID:	PB168623BS		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
PD089167.D	1	06/26/25 08:20	06/26/25 14:59	PB168623

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

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/25/25
Client Sample ID:	COMP-3MS	SDG No.:	Q2413
Lab Sample ID:	Q2425-03MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	82.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089198.D	1	06/26/25 08:20	06/27/25 20:22	PB168623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.3		0.16	2.10	ug/kg
319-85-7	beta-BHC	18.1		0.22	2.10	ug/kg
319-86-8	delta-BHC	17.1		0.47	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	16.4		0.17	2.10	ug/kg
76-44-8	Heptachlor	15.2		0.14	2.10	ug/kg
309-00-2	Aldrin	17.9		0.14	2.10	ug/kg
1024-57-3	Heptachlor epoxide	17.9		0.23	2.10	ug/kg
959-98-8	Endosulfan I	17.4		0.17	2.10	ug/kg
60-57-1	Dieldrin	17.6		0.17	2.10	ug/kg
72-55-9	4,4-DDE	17.7		0.17	2.10	ug/kg
72-20-8	Endrin	16.5		0.17	2.10	ug/kg
33213-65-9	Endosulfan II	17.2		0.35	2.10	ug/kg
72-54-8	4,4-DDD	18.6		0.18	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	13.9		0.16	2.10	ug/kg
50-29-3	4,4-DDT	13.3		0.17	2.10	ug/kg
72-43-5	Methoxychlor	11.9		0.45	2.10	ug/kg
53494-70-5	Endrin ketone	16.5		0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	11.7		0.45	2.10	ug/kg
5103-71-9	alpha-Chlordane	17.6		0.14	2.10	ug/kg
5103-74-2	gamma-Chlordane	18.1		0.18	2.10	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.5		20 - 144	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.5		19 - 148	92%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/24/25	
Project:	South River WM Replacement		Date Received:	06/25/25	
Client Sample ID:	COMP-3MS		SDG No.:	Q2413	
Lab Sample ID:	Q2425-03MS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	82.6	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089198.D	1	06/26/25 08:20	06/27/25 20:22	PB168623

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

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N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/25/25
Client Sample ID:	COMP-3MSD	SDG No.:	Q2413
Lab Sample ID:	Q2425-03MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	82.6
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089199.D	1	06/26/25 08:20	06/27/25 20:35	PB168623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.8		0.16	2.10	ug/kg
319-85-7	beta-BHC	18.1		0.22	2.10	ug/kg
319-86-8	delta-BHC	16.7		0.47	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	17.2		0.17	2.10	ug/kg
76-44-8	Heptachlor	13.9		0.15	2.10	ug/kg
309-00-2	Aldrin	18.3		0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	18.0		0.23	2.10	ug/kg
959-98-8	Endosulfan I	17.7		0.17	2.10	ug/kg
60-57-1	Dieldrin	17.9		0.17	2.10	ug/kg
72-55-9	4,4-DDE	18.4		0.17	2.10	ug/kg
72-20-8	Endrin	16.7		0.17	2.10	ug/kg
33213-65-9	Endosulfan II	17.5		0.35	2.10	ug/kg
72-54-8	4,4-DDD	17.7		0.18	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	15.0		0.16	2.10	ug/kg
50-29-3	4,4-DDT	12.9		0.17	2.10	ug/kg
72-43-5	Methoxychlor	10.4		0.45	2.10	ug/kg
53494-70-5	Endrin ketone	15.5		0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	13.7		0.45	2.10	ug/kg
5103-71-9	alpha-Chlordane	17.9		0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	18.7		0.18	2.10	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.8		20 - 144	84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/24/25	
Project:	South River WM Replacement		Date Received:	06/25/25	
Client Sample ID:	COMP-3MSD		SDG No.:	Q2413	
Lab Sample ID:	Q2425-03MSD		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	82.6	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
PD089199.D	1	06/26/25 08:20	06/27/25 20:35	PB168623

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

A
B
C
D
E
F
G
H

Calibration Times: 15:52 16:47

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

[illegible]

A
B
C
D
E
F
G
H

Calibration Times: 15:52 16:47

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Instrument ID: ECD_D

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

Calibration Times: 15:52 16:47

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

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Instrument ID: ECD_D **Calibration Date(s):** 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

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

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

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

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

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

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/26/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 11:47 Initial Calibration Time(s): 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
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	0.00
4,4'-DDD	6.71	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	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/26/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 11:47 Initial Calibration Time(s): 15:52 16:47

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

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No.: CCAL01 Date Analyzed: 06/26/2025

Lab Sample No.: PSTDCCC050 Data File : PD089159.D Time Analyzed: 11:47

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.705	6.605	6.805	53.110	50.000	6.2
4,4'-DDE	6.196	6.096	6.296	52.180	50.000	4.4
4,4'-DDT	7.021	6.921	7.121	48.890	50.000	-2.2
Aldrin	5.271	5.171	5.371	54.570	50.000	9.1
alpha-BHC	4.000	3.899	4.099	56.190	50.000	12.4
alpha-Chlordane	6.027	5.927	6.127	53.680	50.000	7.4
beta-BHC	4.516	4.415	4.615	53.430	50.000	6.9
Decachlorobiphenyl	9.072	8.972	9.172	49.280	50.000	-1.4
delta-BHC	4.764	4.664	4.864	58.080	50.000	16.2
Dieldrin	6.347	6.247	6.447	53.280	50.000	6.6
Endosulfan I	6.074	5.975	6.175	53.510	50.000	7.0
Endosulfan II	6.786	6.686	6.886	52.520	50.000	5.0
Endosulfan sulfate	7.149	7.049	7.249	50.240	50.000	0.5
Endrin	6.574	6.475	6.675	51.670	50.000	3.3
Endrin aldehyde	6.915	6.815	7.015	50.270	50.000	0.5
Endrin ketone	7.630	7.530	7.730	50.680	50.000	1.4
gamma-BHC (Lindane)	4.331	4.230	4.430	55.550	50.000	11.1
gamma-Chlordane	5.946	5.846	6.046	54.360	50.000	8.7
Heptachlor	4.929	4.829	5.029	54.610	50.000	9.2
Heptachlor epoxide	5.691	5.591	5.791	53.310	50.000	6.6
Methoxychlor	7.493	7.393	7.593	46.320	50.000	-7.4
Tetrachloro-m-xylene	3.551	3.450	3.650	53.870	50.000	7.7

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No.: CCAL01 Date Analyzed: 06/26/2025

Lab Sample No.: PSTDCCC050 Data File : PD089159.D Time Analyzed: 11:47

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.929	5.830	6.030	51.260	50.000	2.5
4,4'-DDE	5.375	5.275	5.475	51.130	50.000	2.3
4,4'-DDT	6.183	6.084	6.284	48.440	50.000	-3.1
Aldrin	4.369	4.269	4.469	52.050	50.000	4.1
alpha-BHC	3.393	3.293	3.493	52.750	50.000	5.5
alpha-Chlordane	5.189	5.091	5.291	50.880	50.000	1.8
beta-BHC	4.025	3.926	4.126	49.610	50.000	-0.8
Decachlorobiphenyl	8.071	7.972	8.172	47.520	50.000	-5.0
delta-BHC	4.262	4.162	4.362	52.030	50.000	4.1
Dieldrin	5.512	5.413	5.613	51.120	50.000	2.2
Endosulfan I	5.246	5.147	5.347	46.580	50.000	-6.8
Endosulfan II	6.079	5.981	6.181	50.470	50.000	0.9
Endosulfan sulfate	6.481	6.383	6.583	48.980	50.000	-2.0
Endrin	5.789	5.689	5.889	51.790	50.000	3.6
Endrin aldehyde	6.258	6.159	6.359	48.930	50.000	-2.1
Endrin ketone	6.990	6.892	7.092	48.810	50.000	-2.4
gamma-BHC (Lindane)	3.730	3.630	3.830	52.520	50.000	5.0
gamma-Chlordane	5.125	5.026	5.226	51.120	50.000	2.2
Heptachlor	4.083	3.983	4.183	50.700	50.000	1.4
Heptachlor epoxide	4.872	4.773	4.973	51.480	50.000	3.0
Methoxychlor	6.753	6.655	6.855	45.550	50.000	-8.9
Tetrachloro-m-xylene	2.881	2.780	2.980	52.560	50.000	5.1

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/26/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 17:20 Initial Calibration Time(s): 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/26/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 17:20 Initial Calibration Time(s): 15:52 16:47

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

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No.: CCAL02 Date Analyzed: 06/26/2025

Lab Sample No.: PSTDCCC050 Data File : PD089172.D Time Analyzed: 17:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.605	6.805	52.210	50.000	4.4
4,4'-DDE	6.200	6.096	6.296	53.450	50.000	6.9
4,4'-DDT	7.025	6.921	7.121	46.980	50.000	-6.0
Aldrin	5.275	5.171	5.371	55.770	50.000	11.5
alpha-BHC	4.004	3.899	4.099	57.640	50.000	15.3
alpha-Chlordane	6.031	5.927	6.127	53.780	50.000	7.6
beta-BHC	4.520	4.415	4.615	54.870	50.000	9.7
Decachlorobiphenyl	9.077	8.972	9.172	49.220	50.000	-1.6
delta-BHC	4.769	4.664	4.864	59.310	50.000	18.6
Dieldrin	6.351	6.247	6.447	53.140	50.000	6.3
Endosulfan I	6.078	5.975	6.175	53.750	50.000	7.5
Endosulfan II	6.790	6.686	6.886	50.330	50.000	0.7
Endosulfan sulfate	7.153	7.049	7.249	49.420	50.000	-1.2
Endrin	6.578	6.475	6.675	48.980	50.000	-2.0
Endrin aldehyde	6.919	6.815	7.015	49.300	50.000	-1.4
Endrin ketone	7.634	7.530	7.730	49.390	50.000	-1.2
gamma-BHC (Lindane)	4.335	4.230	4.430	56.910	50.000	13.8
gamma-Chlordane	5.950	5.846	6.046	54.970	50.000	9.9
Heptachlor	4.934	4.829	5.029	54.900	50.000	9.8
Heptachlor epoxide	5.695	5.591	5.791	53.490	50.000	7.0
Methoxychlor	7.497	7.393	7.593	42.870	50.000	-14.3
Tetrachloro-m-xylene	3.555	3.450	3.650	57.010	50.000	14.0

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No.: CCAL02 Date Analyzed: 06/26/2025

Lab Sample No.: PSTDCCC050 Data File : PD089172.D Time Analyzed: 17:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.930	5.830	6.030	49.850	50.000	-0.3
4,4'-DDE	5.376	5.275	5.475	51.580	50.000	3.2
4,4'-DDT	6.184	6.084	6.284	46.860	50.000	-6.3
Aldrin	4.369	4.269	4.469	53.840	50.000	7.7
alpha-BHC	3.393	3.293	3.493	54.360	50.000	8.7
alpha-Chlordane	5.191	5.091	5.291	51.880	50.000	3.8
beta-BHC	4.026	3.926	4.126	52.990	50.000	6.0
Decachlorobiphenyl	8.073	7.972	8.172	44.560	50.000	-10.9
delta-BHC	4.262	4.162	4.362	53.600	50.000	7.2
Dieldrin	5.513	5.413	5.613	51.790	50.000	3.6
Endosulfan I	5.247	5.147	5.347	52.450	50.000	4.9
Endosulfan II	6.081	5.981	6.181	50.470	50.000	0.9
Endosulfan sulfate	6.483	6.383	6.583	48.080	50.000	-3.8
Endrin	5.789	5.689	5.889	48.870	50.000	-2.3
Endrin aldehyde	6.260	6.159	6.359	48.550	50.000	-2.9
Endrin ketone	6.992	6.892	7.092	46.790	50.000	-6.4
gamma-BHC (Lindane)	3.730	3.630	3.830	54.110	50.000	8.2
gamma-Chlordane	5.126	5.026	5.226	52.120	50.000	4.2
Heptachlor	4.083	3.983	4.183	51.710	50.000	3.4
Heptachlor epoxide	4.873	4.773	4.973	54.670	50.000	9.3
Methoxychlor	6.755	6.655	6.855	43.150	50.000	-13.7
Tetrachloro-m-xylene	2.881	2.780	2.980	56.090	50.000	12.2

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 03:25 Initial Calibration Time(s): 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
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	0.00
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 03:25 Initial Calibration Time(s): 15:52 16:47

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

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No.: CCAL03 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC050 Data File : PD089176.D Time Analyzed: 03:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.605	6.805	55.140	50.000	10.3
4,4'-DDE	6.195	6.096	6.296	55.960	50.000	11.9
4,4'-DDT	7.021	6.921	7.121	49.570	50.000	-0.9
Aldrin	5.271	5.171	5.371	58.050	50.000	16.1
alpha-BHC	4.000	3.899	4.099	59.200	50.000	18.4
alpha-Chlordane	6.027	5.927	6.127	55.950	50.000	11.9
beta-BHC	4.516	4.415	4.615	56.150	50.000	12.3
Decachlorobiphenyl	9.072	8.972	9.172	51.290	50.000	2.6
delta-BHC	4.764	4.664	4.864	61.300	50.000	22.6
Dieldrin	6.347	6.247	6.447	55.610	50.000	11.2
Endosulfan I	6.074	5.975	6.175	55.920	50.000	11.8
Endosulfan II	6.786	6.686	6.886	53.380	50.000	6.8
Endosulfan sulfate	7.149	7.049	7.249	52.100	50.000	4.2
Endrin	6.574	6.475	6.675	51.810	50.000	3.6
Endrin aldehyde	6.914	6.815	7.015	52.050	50.000	4.1
Endrin ketone	7.629	7.530	7.730	51.950	50.000	3.9
gamma-BHC (Lindane)	4.331	4.230	4.430	58.540	50.000	17.1
gamma-Chlordane	5.946	5.846	6.046	57.530	50.000	15.1
Heptachlor	4.929	4.829	5.029	56.570	50.000	13.1
Heptachlor epoxide	5.690	5.591	5.791	56.070	50.000	12.1
Methoxychlor	7.493	7.393	7.593	44.260	50.000	-11.5
Tetrachloro-m-xylene	3.551	3.450	3.650	58.530	50.000	17.1

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No.: CCAL03 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC050 Data File : PD089176.D Time Analyzed: 03:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.928	5.830	6.030	51.620	50.000	3.2
4,4'-DDE	5.374	5.275	5.475	53.890	50.000	7.8
4,4'-DDT	6.182	6.084	6.284	48.080	50.000	-3.8
Aldrin	4.368	4.269	4.469	55.330	50.000	10.7
alpha-BHC	3.393	3.293	3.493	55.980	50.000	12.0
alpha-Chlordane	5.189	5.091	5.291	53.700	50.000	7.4
beta-BHC	4.025	3.926	4.126	54.810	50.000	9.6
Decachlorobiphenyl	8.071	7.972	8.172	46.750	50.000	-6.5
delta-BHC	4.262	4.162	4.362	55.070	50.000	10.1
Dieldrin	5.512	5.413	5.613	53.990	50.000	8.0
Endosulfan I	5.246	5.147	5.347	54.380	50.000	8.8
Endosulfan II	6.079	5.981	6.181	52.150	50.000	4.3
Endosulfan sulfate	6.481	6.383	6.583	50.440	50.000	0.9
Endrin	5.788	5.689	5.889	50.380	50.000	0.8
Endrin aldehyde	6.258	6.159	6.359	50.110	50.000	0.2
Endrin ketone	6.990	6.892	7.092	50.220	50.000	0.4
gamma-BHC (Lindane)	3.729	3.630	3.830	55.710	50.000	11.4
gamma-Chlordane	5.125	5.026	5.226	53.800	50.000	7.6
Heptachlor	4.082	3.983	4.183	53.010	50.000	6.0
Heptachlor epoxide	4.872	4.773	4.973	55.860	50.000	11.7
Methoxychlor	6.752	6.655	6.855	44.470	50.000	-11.1
Tetrachloro-m-xylene	2.881	2.780	2.980	58.020	50.000	16.0

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 12:53 Initial Calibration Time(s): 15:52 16:47

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

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 12:53 Initial Calibration Time(s): 15:52 16:47

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

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No.: CCAL04 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC050 Data File : PD089188.D Time Analyzed: 12:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.706	6.605	6.805	52.920	50.000	5.8
4,4'-DDE	6.197	6.096	6.296	52.760	50.000	5.5
4,4'-DDT	7.022	6.921	7.121	41.870	50.000	-16.3
Aldrin	5.273	5.171	5.371	56.700	50.000	13.4
alpha-BHC	4.001	3.899	4.099	58.280	50.000	16.6
alpha-Chlordane	6.028	5.927	6.127	54.740	50.000	9.5
beta-BHC	4.518	4.415	4.615	55.030	50.000	10.1
Decachlorobiphenyl	9.074	8.972	9.172	47.460	50.000	-5.1
delta-BHC	4.766	4.664	4.864	59.810	50.000	19.6
Dieldrin	6.348	6.247	6.447	53.510	50.000	7.0
Endosulfan I	6.076	5.975	6.175	53.660	50.000	7.3
Endosulfan II	6.787	6.686	6.886	51.560	50.000	3.1
Endosulfan sulfate	7.151	7.049	7.249	48.780	50.000	-2.4
Endrin	6.575	6.475	6.675	49.740	50.000	-0.5
Endrin aldehyde	6.916	6.815	7.015	47.780	50.000	-4.4
Endrin ketone	7.631	7.530	7.730	48.700	50.000	-2.6
gamma-BHC (Lindane)	4.332	4.230	4.430	57.160	50.000	14.3
gamma-Chlordane	5.947	5.846	6.046	56.600	50.000	13.2
Heptachlor	4.931	4.829	5.029	51.810	50.000	3.6
Heptachlor epoxide	5.692	5.591	5.791	53.630	50.000	7.3
Methoxychlor	7.495	7.393	7.593	41.710	50.000	-16.6
Tetrachloro-m-xylene	3.553	3.450	3.650	57.800	50.000	15.6

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No.: CCAL04 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC050 Data File : PD089188.D Time Analyzed: 12:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.928	5.830	6.030	50.730	50.000	1.5
4,4'-DDE	5.374	5.275	5.475	52.450	50.000	4.9
4,4'-DDT	6.182	6.084	6.284	42.840	50.000	-14.3
Aldrin	4.368	4.269	4.469	54.590	50.000	9.2
alpha-BHC	3.393	3.293	3.493	55.380	50.000	10.8
alpha-Chlordane	5.189	5.091	5.291	53.310	50.000	6.6
beta-BHC	4.025	3.926	4.126	53.250	50.000	6.5
Decachlorobiphenyl	8.072	7.972	8.172	44.640	50.000	-10.7
delta-BHC	4.261	4.162	4.362	54.340	50.000	8.7
Dieldrin	5.512	5.413	5.613	52.640	50.000	5.3
Endosulfan I	5.246	5.147	5.347	52.920	50.000	5.8
Endosulfan II	6.079	5.981	6.181	51.330	50.000	2.7
Endosulfan sulfate	6.481	6.383	6.583	48.770	50.000	-2.5
Endrin	5.788	5.689	5.889	49.850	50.000	-0.3
Endrin aldehyde	6.257	6.159	6.359	48.640	50.000	-2.7
Endrin ketone	6.990	6.892	7.092	47.270	50.000	-5.5
gamma-BHC (Lindane)	3.729	3.630	3.830	54.810	50.000	9.6
gamma-Chlordane	5.125	5.026	5.226	54.490	50.000	9.0
Heptachlor	4.082	3.983	4.183	49.790	50.000	-0.4
Heptachlor epoxide	4.871	4.773	4.973	54.520	50.000	9.0
Methoxychlor	6.753	6.655	6.855	43.610	50.000	-12.8
Tetrachloro-m-xylene	2.881	2.780	2.980	57.130	50.000	14.3

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 18:46 Initial Calibration Time(s): 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 18:46 Initial Calibration Time(s): 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.03	3.93	4.13	0.01
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
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	5.13	5.13	5.03	5.23	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No.: CCAL05 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC050 Data File : PD089192.D Time Analyzed: 18:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.605	6.805	57.030	50.000	14.1
4,4'-DDE	6.195	6.096	6.296	55.130	50.000	10.3
4,4'-DDT	7.020	6.921	7.121	43.230	50.000	-13.5
Aldrin	5.270	5.171	5.371	57.560	50.000	15.1
alpha-BHC	4.000	3.899	4.099	58.380	50.000	16.8
alpha-Chlordane	6.026	5.927	6.127	56.760	50.000	13.5
beta-BHC	4.515	4.415	4.615	55.200	50.000	10.4
Decachlorobiphenyl	9.071	8.972	9.172	50.650	50.000	1.3
delta-BHC	4.763	4.664	4.864	59.910	50.000	19.8
Dieldrin	6.346	6.247	6.447	56.130	50.000	12.3
Endosulfan I	6.073	5.975	6.175	55.650	50.000	11.3
Endosulfan II	6.785	6.686	6.886	54.300	50.000	8.6
Endosulfan sulfate	7.148	7.049	7.249	52.510	50.000	5.0
Endrin	6.573	6.475	6.675	51.200	50.000	2.4
Endrin aldehyde	6.914	6.815	7.015	50.910	50.000	1.8
Endrin ketone	7.629	7.530	7.730	52.730	50.000	5.5
gamma-BHC (Lindane)	4.330	4.230	4.430	57.270	50.000	14.5
gamma-Chlordane	5.945	5.846	6.046	58.450	50.000	16.9
Heptachlor	4.929	4.829	5.029	52.650	50.000	5.3
Heptachlor epoxide	5.690	5.591	5.791	55.210	50.000	10.4
Methoxychlor	7.492	7.393	7.593	44.350	50.000	-11.3
Tetrachloro-m-xylene	3.550	3.450	3.650	58.070	50.000	16.1

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No.: CCAL05 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC050 Data File : PD089192.D Time Analyzed: 18:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.928	5.830	6.030	53.960	50.000	7.9
4,4'-DDE	5.374	5.275	5.475	54.320	50.000	8.6
4,4'-DDT	6.182	6.084	6.284	43.220	50.000	-13.6
Aldrin	4.367	4.269	4.469	55.730	50.000	11.5
alpha-BHC	3.393	3.293	3.493	56.430	50.000	12.9
alpha-Chlordane	5.189	5.091	5.291	54.770	50.000	9.5
beta-BHC	4.024	3.926	4.126	54.310	50.000	8.6
Decachlorobiphenyl	8.070	7.972	8.172	50.160	50.000	0.3
delta-BHC	4.261	4.162	4.362	55.240	50.000	10.5
Dieldrin	5.511	5.413	5.613	54.310	50.000	8.6
Endosulfan I	5.246	5.147	5.347	54.500	50.000	9.0
Endosulfan II	6.079	5.981	6.181	53.660	50.000	7.3
Endosulfan sulfate	6.481	6.383	6.583	51.810	50.000	3.6
Endrin	5.788	5.689	5.889	51.230	50.000	2.5
Endrin aldehyde	6.257	6.159	6.359	50.400	50.000	0.8
Endrin ketone	6.990	6.892	7.092	51.820	50.000	3.6
gamma-BHC (Lindane)	3.729	3.630	3.830	55.860	50.000	11.7
gamma-Chlordane	5.125	5.026	5.226	55.840	50.000	11.7
Heptachlor	4.082	3.983	4.183	50.960	50.000	1.9
Heptachlor epoxide	4.872	4.773	4.973	55.580	50.000	11.2
Methoxychlor	6.753	6.655	6.855	46.290	50.000	-7.4
Tetrachloro-m-xylene	2.881	2.780	2.980	58.440	50.000	16.9

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 21:16 Initial Calibration Time(s): 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.20	6.10	6.30	0.01
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.01
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 21:16 Initial Calibration Time(s): 15:52 16:47

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

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No.: CCAL06 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC050 Data File : PD089202.D Time Analyzed: 21:16

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.605	6.805	57.920	50.000	15.8
4,4'-DDE	6.194	6.096	6.296	54.700	50.000	9.4
4,4'-DDT	7.019	6.921	7.121	42.000	50.000	-16.0
Aldrin	5.270	5.171	5.371	56.890	50.000	13.8
alpha-BHC	3.999	3.899	4.099	58.040	50.000	16.1
alpha-Chlordane	6.026	5.927	6.127	56.470	50.000	12.9
beta-BHC	4.515	4.415	4.615	54.780	50.000	9.6
Decachlorobiphenyl	9.070	8.972	9.172	50.550	50.000	1.1
delta-BHC	4.763	4.664	4.864	59.190	50.000	18.4
Dieldrin	6.345	6.247	6.447	55.790	50.000	11.6
Endosulfan I	6.073	5.975	6.175	55.380	50.000	10.8
Endosulfan II	6.785	6.686	6.886	54.540	50.000	9.1
Endosulfan sulfate	7.148	7.049	7.249	52.730	50.000	5.5
Endrin	6.573	6.475	6.675	50.190	50.000	0.4
Endrin aldehyde	6.913	6.815	7.015	50.620	50.000	1.2
Endrin ketone	7.628	7.530	7.730	52.990	50.000	6.0
gamma-BHC (Lindane)	4.330	4.230	4.430	56.990	50.000	14.0
gamma-Chlordane	5.945	5.846	6.046	57.950	50.000	15.9
Heptachlor	4.929	4.829	5.029	51.400	50.000	2.8
Heptachlor epoxide	5.689	5.591	5.791	54.280	50.000	8.6
Methoxychlor	7.491	7.393	7.593	42.560	50.000	-14.9
Tetrachloro-m-xylene	3.550	3.450	3.650	57.800	50.000	15.6

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No.: CCAL06 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC050 Data File : PD089202.D Time Analyzed: 21:16

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.928	5.830	6.030	54.200	50.000	8.4
4,4'-DDE	5.373	5.275	5.475	53.740	50.000	7.5
4,4'-DDT	6.181	6.084	6.284	41.310	50.000	-17.4
Aldrin	4.367	4.269	4.469	55.520	50.000	11.0
alpha-BHC	3.392	3.293	3.493	56.420	50.000	12.8
alpha-Chlordane	5.189	5.091	5.291	54.340	50.000	8.7
beta-BHC	4.024	3.926	4.126	54.120	50.000	8.2
Decachlorobiphenyl	8.070	7.972	8.172	50.420	50.000	0.8
delta-BHC	4.261	4.162	4.362	54.930	50.000	9.9
Dieldrin	5.511	5.413	5.613	53.700	50.000	7.4
Endosulfan I	5.245	5.147	5.347	54.090	50.000	8.2
Endosulfan II	6.079	5.981	6.181	53.260	50.000	6.5
Endosulfan sulfate	6.480	6.383	6.583	51.330	50.000	2.7
Endrin	5.787	5.689	5.889	50.370	50.000	0.7
Endrin aldehyde	6.256	6.159	6.359	49.550	50.000	-0.9
Endrin ketone	6.989	6.892	7.092	51.450	50.000	2.9
gamma-BHC (Lindane)	3.729	3.630	3.830	55.740	50.000	11.5
gamma-Chlordane	5.124	5.026	5.226	55.510	50.000	11.0
Heptachlor	4.082	3.983	4.183	50.310	50.000	0.6
Heptachlor epoxide	4.871	4.773	4.973	55.210	50.000	10.4
Methoxychlor	6.752	6.655	6.855	44.610	50.000	-10.8
Tetrachloro-m-xylene	2.881	2.780	2.980	58.420	50.000	16.8

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

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

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

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

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

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

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

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No. (PEM): PEM - PD089158.D Date Analyzed: 06/26/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:33

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.072	8.970	9.170	20.370	20.000	1.9
Tetrachloro-m-xylene	3.550	3.500	3.600	20.980	20.000	4.9
alpha-BHC	3.999	3.950	4.050	9.740	10.000	-2.6
beta-BHC	4.516	4.470	4.570	10.730	10.000	7.3
gamma-BHC (Lindane)	4.331	4.280	4.380	10.120	10.000	1.2
Endrin	6.574	6.500	6.640	48.910	50.000	-2.2
4,4'-DDT	7.021	6.950	7.090	92.590	100.000	-7.4
Methoxychlor	7.493	7.420	7.560	206.780	250.000	-17.3

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

Client Sample No. (PEM): PEM - PD089158.D Date Analyzed: 06/26/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:33

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.071	7.970	8.170	20.100	20.000	0.5
Tetrachloro-m-xylene	2.880	2.830	2.930	21.410	20.000	7.1
alpha-BHC	3.393	3.340	3.440	11.020	10.000	10.2
beta-BHC	4.024	3.970	4.070	10.860	10.000	8.6
gamma-BHC (Lindane)	3.729	3.680	3.780	11.120	10.000	11.2
Endrin	5.788	5.720	5.860	48.080	50.000	-3.8
4,4'-DDT	6.182	6.110	6.250	89.550	100.000	-10.5
Methoxychlor	6.752	6.680	6.820	175.300	250.000	-29.9

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **CAMP02**

Lab Code: **CHEM** Case No.: **Q2413** SAS No.: **Q2413** SDG NO.: **Q2413**

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

Client Sample No. (PEM): **PEM - PD089175.D** Date Analyzed: **06/27/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **03:11**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.072	8.970	9.170	19.900	20.000	-0.5
Tetrachloro-m-xylene	3.550	3.500	3.600	21.570	20.000	7.9
alpha-BHC	3.999	3.950	4.050	9.940	10.000	-0.6
beta-BHC	4.516	4.470	4.570	10.980	10.000	9.8
gamma-BHC (Lindane)	4.330	4.280	4.380	10.390	10.000	3.9
Endrin	6.572	6.500	6.640	49.500	50.000	-1.0
4,4'-DDT	7.021	6.950	7.090	90.560	100.000	-9.4
Methoxychlor	7.493	7.420	7.560	202.750	250.000	-18.9

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

Client Sample No. (PEM): **PEM - PD089175.D** Date Analyzed: **06/27/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **03:11**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.071	7.970	8.170	18.490	20.000	-7.6
Tetrachloro-m-xylene	2.881	2.830	2.930	22.340	20.000	11.7
alpha-BHC	3.392	3.340	3.440	11.470	10.000	14.7
beta-BHC	4.024	3.970	4.070	10.880	10.000	8.8
gamma-BHC (Lindane)	3.729	3.680	3.780	11.550	10.000	15.5
Endrin	5.788	5.720	5.860	50.120	50.000	0.2
4,4'-DDT	6.182	6.110	6.250	88.420	100.000	-11.6
Methoxychlor	6.753	6.680	6.820	172.110	250.000	-31.2

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

Client Sample No. (PEM): PEM - PD089191.D Date Analyzed: 06/27/2025

Lab Sample No.(PEM): PEM Time Analyzed: 18:32

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.071	8.970	9.170	20.920	20.000	4.6
Tetrachloro-m-xylene	3.550	3.500	3.600	22.080	20.000	10.4
alpha-BHC	3.998	3.950	4.050	10.090	10.000	0.9
beta-BHC	4.515	4.460	4.570	11.260	10.000	12.6
gamma-BHC (Lindane)	4.328	4.280	4.380	10.260	10.000	2.6
Endrin	6.572	6.500	6.640	51.080	50.000	2.2
4,4'-DDT	7.020	6.950	7.090	80.720	100.000	-19.3
Methoxychlor	7.492	7.420	7.560	182.490	250.000	-27.0

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

Client Sample No. (PEM): PEM - PD089191.D Date Analyzed: 06/27/2025

Lab Sample No.(PEM): PEM Time Analyzed: 18:32

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.071	7.970	8.170	20.430	20.000	2.2
Tetrachloro-m-xylene	2.880	2.830	2.930	23.060	20.000	15.3
alpha-BHC	3.392	3.340	3.440	11.830	10.000	18.3
beta-BHC	4.025	3.970	4.080	10.760	10.000	7.6
gamma-BHC (Lindane)	3.729	3.680	3.780	11.860	10.000	18.6
Endrin	5.788	5.720	5.860	53.330	50.000	6.7
4,4'-DDT	6.182	6.110	6.250	80.360	100.000	-19.6
Methoxychlor	6.753	6.680	6.820	160.570	250.000	-35.8

Analytical Sequence

Client: CDM Smith	SDG No.: Q2413
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:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	06/17/2025	15:11	PD088990.D	9.07	3.55
PEM	PEM	06/17/2025	15:25	PD088991.D	9.07	3.55
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	9.07	3.55
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	9.07	3.55
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	9.07	3.55
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	9.07	3.55
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	9.07	3.55
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	9.07	3.55
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	9.07	3.55
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	9.07	3.55
IBLK	IBLK	06/26/2025	11:20	PD089157.D	9.07	3.55
PEM	PEM	06/26/2025	11:33	PD089158.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/26/2025	11:47	PD089159.D	9.07	3.55
PB168623BL	PB168623BL	06/26/2025	13:44	PD089166.D	9.07	3.55
PB168623BS	PB168623BS	06/26/2025	14:59	PD089167.D	9.08	3.56
IBLK	IBLK	06/26/2025	16:35	PD089171.D	9.08	3.56
PSTDCCC050	PSTDCCC050	06/26/2025	17:20	PD089172.D	9.08	3.56
IBLK	IBLK	06/27/2025	02:58	PD089174.D	9.07	3.55
PEM	PEM	06/27/2025	03:11	PD089175.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/27/2025	03:25	PD089176.D	9.07	3.55
TP-35	Q2413-01	06/27/2025	04:33	PD089177.D	9.07	3.55
TP-34	Q2413-02	06/27/2025	04:47	PD089178.D	9.07	3.55
TP-77	Q2413-03	06/27/2025	05:01	PD089179.D	9.07	3.55
TP-74	Q2413-04	06/27/2025	05:14	PD089180.D	9.07	3.55
TP-73	Q2413-05	06/27/2025	11:14	PD089183.D	9.07	3.55
TP-72	Q2413-06	06/27/2025	11:28	PD089184.D	9.07	3.55
IBLK	IBLK	06/27/2025	12:09	PD089187.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/27/2025	12:53	PD089188.D	9.07	3.55
IBLK	IBLK	06/27/2025	18:19	PD089190.D	9.07	3.55
PEM	PEM	06/27/2025	18:32	PD089191.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/27/2025	18:46	PD089192.D	9.07	3.55
COMP-3MS	Q2425-03MS	06/27/2025	20:22	PD089198.D	9.07	3.55
COMP-3MSD	Q2425-03MSD	06/27/2025	20:35	PD089199.D	9.07	3.55
IBLK	IBLK	06/27/2025	21:03	PD089201.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/27/2025	21:16	PD089202.D	9.07	3.55

Analytical Sequence

Client: CDM Smith	SDG No.: Q2413	
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:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	06/17/2025	15:11	PD088990.D	8.07	2.88
PEM	PEM	06/17/2025	15:25	PD088991.D	8.07	2.88
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	8.07	2.88
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	8.07	2.88
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	8.07	2.88
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	8.07	2.88
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	8.07	2.88
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	8.07	2.88
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	8.07	2.88
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	8.07	2.88
IBLK	IBLK	06/26/2025	11:20	PD089157.D	8.07	2.88
PEM	PEM	06/26/2025	11:33	PD089158.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/26/2025	11:47	PD089159.D	8.07	2.88
PB168623BL	PB168623BL	06/26/2025	13:44	PD089166.D	8.07	2.88
PB168623BS	PB168623BS	06/26/2025	14:59	PD089167.D	8.07	2.88
IBLK	IBLK	06/26/2025	16:35	PD089171.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/26/2025	17:20	PD089172.D	8.07	2.88
IBLK	IBLK	06/27/2025	02:58	PD089174.D	8.07	2.88
PEM	PEM	06/27/2025	03:11	PD089175.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/27/2025	03:25	PD089176.D	8.07	2.88
TP-35	Q2413-01	06/27/2025	04:33	PD089177.D	8.07	2.88
TP-34	Q2413-02	06/27/2025	04:47	PD089178.D	8.07	2.88
TP-77	Q2413-03	06/27/2025	05:01	PD089179.D	8.07	2.88
TP-74	Q2413-04	06/27/2025	05:14	PD089180.D	8.07	2.88
TP-73	Q2413-05	06/27/2025	11:14	PD089183.D	8.07	2.88
TP-72	Q2413-06	06/27/2025	11:28	PD089184.D	8.07	2.88
IBLK	IBLK	06/27/2025	12:09	PD089187.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/27/2025	12:53	PD089188.D	8.07	2.88
IBLK	IBLK	06/27/2025	18:19	PD089190.D	8.07	2.88
PEM	PEM	06/27/2025	18:32	PD089191.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/27/2025	18:46	PD089192.D	8.07	2.88
COMP-3MS	Q2425-03MS	06/27/2025	20:22	PD089198.D	8.07	2.88
COMP-3MSD	Q2425-03MSD	06/27/2025	20:35	PD089199.D	8.07	2.88
IBLK	IBLK	06/27/2025	21:03	PD089201.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/27/2025	21:16	PD089202.D	8.07	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-3MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413

SAS No.: Q2413 SDG NO.: Q2413

Lab Sample ID: Q2425-03MS

Date(s) Analyzed: 06/27/2025 06/27/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.78	6.73	6.83	17.1	0.6
	2	6.08	6.03	6.13	17.2	
4,4'-DDD	1	6.70	6.65	6.75	18.6	4.4
	2	5.93	5.88	5.98	17.8	
4,4'-DDT	1	7.02	6.97	7.07	11.5	14.5
	2	6.18	6.13	6.23	13.3	
Endrin aldehyde	1	6.91	6.86	6.96	11.4	2.6
	2	6.26	6.21	6.31	11.7	
Endosulfan sulfate	1	7.15	7.10	7.20	13.7	1.4
	2	6.48	6.43	6.53	13.9	
Methoxychlor	1	7.49	7.44	7.54	11.0	7.9
	2	6.75	6.70	6.80	11.9	
Endrin ketone	1	7.63	7.58	7.68	16.4	0.6
	2	6.99	6.94	7.04	16.5	
alpha-BHC	1	4.00	3.95	4.05	16.7	3.5
	2	3.39	3.34	3.44	17.3	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.1	1.8
	2	3.73	3.68	3.78	16.4	
Heptachlor	1	4.93	4.88	4.98	14.7	3.3
	2	4.08	4.03	4.13	15.2	
Aldrin	1	5.27	5.22	5.32	17.6	1.7
	2	4.37	4.32	4.42	17.9	
beta-BHC	1	4.52	4.47	4.57	17.1	5.7
	2	4.03	3.98	4.08	18.1	
delta-BHC	1	4.76	4.71	4.81	17.1	3
	2	4.26	4.21	4.31	16.6	
Heptachlor epoxide	1	5.69	5.64	5.74	17.3	3.4
	2	4.87	4.82	4.92	17.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-3MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413

SAS No.: Q2413 SDG NO.: Q2413

Lab Sample ID: Q2425-03MS

Date(s) Analyzed: 06/27/2025 06/27/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	17.4	0.6
	2	5.25	5.20	5.30	17.3	
gamma-Chlordane	1	5.95	5.90	6.00	18.1	1.7
	2	5.12	5.07	5.17	17.8	
alpha-Chlordane	1	6.03	5.98	6.08	17.3	1.7
	2	5.19	5.14	5.24	17.6	
4,4'-DDE	1	6.20	6.15	6.25	17.2	2.9
	2	5.37	5.32	5.42	17.7	
Dieldrin	1	6.35	6.30	6.40	17.4	1.1
	2	5.51	5.46	5.56	17.6	
Endrin	1	6.57	6.52	6.62	16.1	2.5
	2	5.79	5.74	5.84	16.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-3MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413

SAS No.: Q2413 SDG NO.: Q2413

Lab Sample ID: Q2425-03MSD

Date(s) Analyzed: 06/27/2025 06/27/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	17.5	1.1
	2	6.08	6.03	6.13	17.3	
4,4'-DDD	1	6.70	6.65	6.75	17.7	3.4
	2	5.93	5.88	5.98	17.1	
4,4'-DDT	1	7.02	6.97	7.07	10.2	23.4
	2	6.18	6.13	6.23	12.9	
Endrin aldehyde	1	6.91	6.86	6.96	13.7	1.5
	2	6.26	6.21	6.31	13.5	
Endosulfan sulfate	1	7.15	7.10	7.20	15.0	4.8
	2	6.48	6.43	6.53	14.3	
Methoxychlor	1	7.49	7.44	7.54	9.40	10.1
	2	6.75	6.70	6.80	10.4	
Endrin ketone	1	7.63	7.58	7.68	15.4	0.6
	2	6.99	6.94	7.04	15.5	
alpha-BHC	1	4.00	3.95	4.05	17.4	2.3
	2	3.39	3.34	3.44	17.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.0	1.2
	2	3.73	3.68	3.78	17.2	
Heptachlor	1	4.93	4.88	4.98	13.6	2.2
	2	4.08	4.03	4.13	13.9	
Aldrin	1	5.27	5.22	5.32	18.2	0.5
	2	4.37	4.32	4.42	18.3	
beta-BHC	1	4.52	4.47	4.57	17.2	5.1
	2	4.02	3.97	4.07	18.1	
delta-BHC	1	4.76	4.71	4.81	16.7	3
	2	4.26	4.21	4.31	16.2	
Heptachlor epoxide	1	5.69	5.64	5.74	17.6	2.2
	2	4.87	4.82	4.92	18.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-3MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413

SAS No.: Q2413 SDG NO.: Q2413

Lab Sample ID: Q2425-03MSD

Date(s) Analyzed: 06/27/2025 06/27/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	17.7	2.3
	2	5.25	5.20	5.30	17.3	
gamma-Chlordane	1	5.95	5.90	6.00	18.7	1.6
	2	5.12	5.07	5.17	18.4	
alpha-Chlordane	1	6.03	5.98	6.08	17.7	1.1
	2	5.19	5.14	5.24	17.9	
4,4'-DDE	1	6.20	6.15	6.25	18.2	1.1
	2	5.37	5.32	5.42	18.4	
Dieldrin	1	6.35	6.30	6.40	17.8	0.6
	2	5.51	5.46	5.56	17.9	
Endrin	1	6.57	6.52	6.62	16.7	1.2
	2	5.79	5.74	5.84	16.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168623BS

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2413

SAS No.: Q2413

SDG NO.: Q2413

Lab Sample ID: PB168623BS

Date(s) Analyzed: 06/26/2025

06/26/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	16.1	0.6
	2	5.93	5.88	5.98	16.0	
4,4'-DDE	1	6.20	6.15	6.25	15.9	2.5
	2	5.38	5.33	5.43	15.5	
4,4'-DDT	1	7.03	6.98	7.08	13.9	0
	2	6.18	6.13	6.23	13.9	
alpha-BHC	1	4.01	3.96	4.06	16.2	1.9
	2	3.39	3.34	3.44	15.9	
Aldrin	1	5.28	5.23	5.33	16.2	1.9
	2	4.37	4.32	4.42	15.9	
alpha-Chlordane	1	6.03	5.98	6.08	15.9	1.9
	2	5.19	5.14	5.24	15.6	
Endosulfan II	1	6.79	6.74	6.84	15.7	1.9
	2	6.08	6.03	6.13	15.4	
Endosulfan sulfate	1	7.16	7.11	7.21	15.1	1.3
	2	6.48	6.43	6.53	14.9	
beta-BHC	1	4.52	4.47	4.57	15.7	0
	2	4.03	3.98	4.08	15.7	
delta-BHC	1	4.77	4.72	4.82	16.9	6.1
	2	4.26	4.21	4.31	15.9	
Endosulfan I	1	6.08	6.03	6.13	15.9	0.6
	2	5.25	5.20	5.30	15.8	
Dieldrin	1	6.35	6.30	6.40	15.9	2.5
	2	5.51	5.46	5.56	15.5	
Endrin aldehyde	1	6.92	6.87	6.97	15.3	1.3
	2	6.26	6.21	6.31	15.1	
Methoxychlor	1	7.50	7.45	7.55	12.9	0.8
	2	6.75	6.70	6.80	13.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168623BS

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2413

SAS No.: Q2413

SDG NO.: Q2413

Lab Sample ID: PB168623BS

Date(s) Analyzed: 06/26/2025

06/26/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.64	7.59	7.69	15.5	2.6
	2	6.99	6.94	7.04	15.1	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	16.2	1.9
	2	3.73	3.68	3.78	15.9	
Heptachlor	1	4.94	4.89	4.99	15.7	3.9
	2	4.08	4.03	4.13	15.1	
Heptachlor epoxide	1	5.70	5.65	5.75	15.7	0.6
	2	4.87	4.82	4.92	15.8	
gamma-Chlordane	1	5.95	5.90	6.00	16.0	1.9
	2	5.13	5.08	5.18	15.7	
Endrin	1	6.58	6.53	6.63	14.3	1.4
	2	5.79	5.74	5.84	14.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-34

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2413

SAS No.: Q2413

SDG NO.: Q2413

Lab Sample ID: Q2413-02

Date(s) Analyzed: 06/27/2025 06/27/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
beta-BHC	1	4.52	4.47	4.57	0.39	55.6
	2	4.04	3.99	4.09	0.22	
gamma-Chlordane	1	5.95	5.90	6.00	0.78	61.4
	2	5.12	5.07	5.17	0.41	
alpha-Chlordane	1	6.03	5.98	6.08	1.20	61.9
	2	5.19	5.14	5.24	0.63	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-73

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Lab Sample ID: Q2413-05 Date(s) Analyzed: 06/27/2025 06/27/2025

Instrument ID (1): ECD_D Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	0.29	7.6
	2	5.93	5.88	5.98	0.27	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-74

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2413

SAS No.: Q2413

SDG NO.: Q2413

Lab Sample ID: Q2413-04

Date(s) Analyzed: 06/27/2025 06/27/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.02	6.97	7.07	0.28	42.9
	2	6.18	6.13	6.23	0.43	
4,4'-DDE	1	6.20	6.15	6.25	0.24	42.4
	2	5.37	5.32	5.42	0.37	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-77

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Lab Sample ID: Q2413-03 **Date(s) Analyzed:** 06/27/2025 06/27/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	6.57	6.52	6.62	0.17	44.1
	2	5.79	5.74	5.84	0.26	