

Cover Page

Order ID : Q2436

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2436-01
Q2436-02
Q2436-03
Q2436-04
Q2436-05
Q2436-06
Q2436-07
Q2436-08
Q2436-09
Q2436-10

Client Sample Number

TP-70
TP-69
TP-85
TP-86
TP-84
TP-83
TP-87
TP-100
TP-99
TP-82

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 7/3/2025

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2436

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 07/03/2025

LAB CHRONICLE

OrderID:	Q2436	OrderDate:	6/26/2025 3:41:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2436-01	TP-70	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-02	TP-69	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-03	TP-85	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-04	TP-86	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-05	TP-84	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-06	TP-83	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	

LAB CHRONICLE

			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	
Q2436-07	TP-87	SOIL			06/26/25		06/26/25
			Diesel Range Organics	8015D	06/30/25	06/30/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	
Q2436-08	TP-100	SOIL			06/26/25		06/26/25
			Diesel Range Organics	8015D	06/30/25	06/30/25	
			Gasoline Range Organics	8015D		06/27/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	
Q2436-09	TP-99	SOIL			06/26/25		06/26/25
			Diesel Range Organics	8015D	06/30/25	06/30/25	
			Gasoline Range Organics	8015D		06/27/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	
Q2436-10	TP-82	SOIL			06/26/25		06/26/25
			Diesel Range Organics	8015D	06/30/25	06/30/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	

Hit Summary Sheet
SW-846

SDG No.: Q2436

Order ID: Q2436

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-83								
Q2436-06	TP-83	SOIL	4,4-DDE	0.26	J	0.15	1.90	ug/kg
Total Concentration:				0.260				
Client ID : TP-87								
Q2436-07	TP-87	SOIL	4,4-DDE	0.19	J	0.16	1.90	ug/kg
Total Concentration:				0.190				
Client ID : TP-100								
Q2436-08	TP-100	SOIL	Heptachlor epoxide	1.40	J	0.22	2.00	ug/kg
Q2436-08	TP-100	SOIL	Dieldrin	1.10	J	0.16	2.00	ug/kg
Q2436-08	TP-100	SOIL	alpha-Chlordane	22.9	P	0.14	2.00	ug/kg
Q2436-08	TP-100	SOIL	gamma-Chlordane	12.9		0.17	2.00	ug/kg
Total Concentration:				38.300				
Client ID : TP-99								
Q2436-09	TP-99	SOIL	4,4-DDT	0.22	J	0.15	1.80	ug/kg
Total Concentration:				0.220				
Client ID : TP-82								
Q2436-10	TP-82	SOIL	Heptachlor epoxide	0.33	J	0.21	1.80	ug/kg
Q2436-10	TP-82	SOIL	Dieldrin	0.62	J	0.15	1.80	ug/kg
Q2436-10	TP-82	SOIL	alpha-Chlordane	2.50		0.13	1.80	ug/kg
Q2436-10	TP-82	SOIL	gamma-Chlordane	1.30	J	0.16	1.80	ug/kg
Total Concentration:				4.750				



QC SUMMARY

Surrogate Summary

SDG No.: Q2436

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-PD089201.D	PIBLK-PD089201.D	Decachlorobiphenyl	1	20	22.4	112		57	171
		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
PB168637BL	PB168637BL	Decachlorobiphenyl	1	20	16.4	82		20	144
		Tetrachloro-m-xylene	1	20	15.8	79		19	148
		Decachlorobiphenyl	2	20	17.1	86		20	144
		Tetrachloro-m-xylene	2	20	17.6	88		19	148
Q2430-01MS	MH-E/FMS	Decachlorobiphenyl	1	20	14.7	73		20	144
		Tetrachloro-m-xylene	1	20	14.7	73		19	148
		Decachlorobiphenyl	2	20	15.3	77		20	144
		Tetrachloro-m-xylene	2	20	16.6	83		19	148
Q2430-01MSD	MH-E/FMSD	Decachlorobiphenyl	1	20	14.8	74		20	144
		Tetrachloro-m-xylene	1	20	14.7	74		19	148
		Decachlorobiphenyl	2	20	15.4	77		20	144
		Tetrachloro-m-xylene	2	20	16.6	83		19	148
I.BLK-PD089212.D	PIBLK-PD089212.D	Decachlorobiphenyl	1	20	23.2	116		57	171
		Tetrachloro-m-xylene	1	20	23.2	116		61	148
		Decachlorobiphenyl	2	20	24.2	121		57	171
		Tetrachloro-m-xylene	2	20	25.1	126		61	148
Q2436-01	TP-70	Decachlorobiphenyl	1	20	13.2	66		20	144
		Tetrachloro-m-xylene	1	20	16.5	83		19	148
		Decachlorobiphenyl	2	20	13.8	69		20	144
		Tetrachloro-m-xylene	2	20	17.7	88		19	148
Q2436-02	TP-69	Decachlorobiphenyl	1	20	11.8	59		20	144
		Tetrachloro-m-xylene	1	20	15.4	77		19	148
		Decachlorobiphenyl	2	20	12.5	63		20	144
		Tetrachloro-m-xylene	2	20	16.6	83		19	148
Q2436-03	TP-85	Decachlorobiphenyl	1	20	11.1	56		20	144
		Tetrachloro-m-xylene	1	20	14.1	70		19	148
		Decachlorobiphenyl	2	20	11.8	59		20	144
		Tetrachloro-m-xylene	2	20	15.2	76		19	148
Q2436-04	TP-86	Decachlorobiphenyl	1	20	14.4	72		20	144
		Tetrachloro-m-xylene	1	20	17.6	88		19	148
		Decachlorobiphenyl	2	20	15.4	77		20	144
		Tetrachloro-m-xylene	2	20	18.4	92		19	148
Q2436-05	TP-84	Decachlorobiphenyl	1	20	14.2	71		20	144

Surrogate Summary

SDG No.: Q2436

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q2436-05	TP-84	Tetrachloro-m-xylene	1	20	17.1	85		19	148
		Decachlorobiphenyl	2	20	15.0	75		20	144
Q2436-06	TP-83	Tetrachloro-m-xylene	2	20	18.6	93		19	148
		Decachlorobiphenyl	1	20	14.1	71		20	144
		Tetrachloro-m-xylene	1	20	16.5	83		19	148
		Decachlorobiphenyl	2	20	14.7	74		20	144
		Tetrachloro-m-xylene	2	20	17.8	89		19	148
Q2436-07	TP-87	Decachlorobiphenyl	1	20	13.3	67		20	144
		Tetrachloro-m-xylene	1	20	16.4	82		19	148
		Decachlorobiphenyl	2	20	14.1	70		20	144
		Tetrachloro-m-xylene	2	20	17.3	86		19	148
Q2436-08	TP-100	Decachlorobiphenyl	1	20	14.0	70		20	144
		Tetrachloro-m-xylene	1	20	16.3	81		19	148
		Decachlorobiphenyl	2	20	14.5	73		20	144
		Tetrachloro-m-xylene	2	20	0.19	1	*	19	148
Q2436-09	TP-99	Decachlorobiphenyl	1	20	14.8	74		20	144
		Tetrachloro-m-xylene	1	20	17.3	86		19	148
		Decachlorobiphenyl	2	20	15.4	77		20	144
		Tetrachloro-m-xylene	2	20	18.0	90		19	148
Q2436-10	TP-82	Decachlorobiphenyl	1	20	15.6	78		20	144
		Tetrachloro-m-xylene	1	20	16.9	85		19	148
		Decachlorobiphenyl	2	20	16.4	82		20	144
		Tetrachloro-m-xylene	2	20	18.1	91		19	148
I.BLK-PD089225.D	PIBLK-PD089225.D	Decachlorobiphenyl	1	20	23.9	119		57	171
		Tetrachloro-m-xylene	1	20	23.6	118		61	148
		Decachlorobiphenyl	2	20	24.6	123		57	171
		Tetrachloro-m-xylene	2	20	25.7	129		61	148
I.BLK-PD089228.D	PIBLK-PD089228.D	Decachlorobiphenyl	1	20	19.6	98		57	171
		Tetrachloro-m-xylene	1	20	19.0	95		61	148
		Decachlorobiphenyl	2	20	20.1	100		57	171
		Tetrachloro-m-xylene	2	20	21.1	105		61	148
PB168637BS	PB168637BS	Decachlorobiphenyl	1	20	19.0	95		20	144
		Tetrachloro-m-xylene	1	20	17.9	90		19	148
		Decachlorobiphenyl	2	20	19.1	96		20	144
		Tetrachloro-m-xylene	2	20	19.2	96		19	148
I.BLK-PD089240.D	PIBLK-PD089240.D	Decachlorobiphenyl	1	20	19.7	98		57	171
		Tetrachloro-m-xylene	1	20	19.0	95		61	148
		Decachlorobiphenyl	2	20	17.6	88		57	171
		Tetrachloro-m-xylene	2	20	20.8	104		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	Q2436	Analytical Method:	8081B
Client:	CDM Smith	DataFile :	PD089210.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2430-01MS (Column 1)	MH-E/FMS											
	alpha-BHC	18.89	0	16.3	ug/kg	86				60	144	
	beta-BHC	18.89	0	16.5	ug/kg	87				54	143	
	delta-BHC	18.89	0	17.2	ug/kg	91				29	151	
	gamma-BHC (Lindane)	18.89	0	16.4	ug/kg	87				61	140	
	Heptachlor	18.89	0	15.8	ug/kg	84				63	135	
	Aldrin	18.89	0	16.7	ug/kg	88				49	139	
	Heptachlor epoxide	18.89	0	16.2	ug/kg	86				41	156	
	Endosulfan I	18.89	0	16.4	ug/kg	87				56	142	
	Dieldrin	18.89	0	16.3	ug/kg	86				47	161	
	4,4'-DDE	18.89	0	16.4	ug/kg	87				55	136	
	Endrin	18.89	0	15.6	ug/kg	83				57	139	
	Endosulfan II	18.89	0	16.1	ug/kg	85				40	163	
	4,4'-DDD	18.89	0	16.6	ug/kg	88				47	163	
	Endosulfan sulfate	18.89	0	15.9	ug/kg	84				62	139	
	4,4'-DDT	18.89	0	14.4	ug/kg	76				51	146	
	Methoxychlor	18.89	0	13.4	ug/kg	71				54	136	
	Endrin ketone	18.89	0	16.1	ug/kg	85				60	129	
	Endrin aldehyde	18.89	0	15.9	ug/kg	84				59	132	
	alpha-Chlordane	18.89	0	16.3	ug/kg	86				39	166	
	gamma-Chlordane	18.89	0	16.6	ug/kg	88				44	175	
Client Sample ID: Q2430-01MS (Column 2)	MH-E/FMS											
	alpha-BHC	18.89	0	17.0	ug/kg	90				60	144	
	beta-BHC	18.89	0	16.7	ug/kg	88				54	143	
	delta-BHC	18.89	0	16.8	ug/kg	89				29	151	
	gamma-BHC (Lindane)	18.89	0	16.8	ug/kg	89				61	140	
	Heptachlor	18.89	0	16.1	ug/kg	85				63	135	
	Aldrin	18.89	0	16.8	ug/kg	89				49	139	
	Heptachlor epoxide	18.89	0	16.6	ug/kg	88				41	156	
	Endosulfan I	18.89	0	16.7	ug/kg	88				56	142	
	Dieldrin	18.89	0	16.5	ug/kg	87				47	161	
	4,4'-DDE	18.89	0	16.5	ug/kg	87				55	136	
	Endrin	18.89	0	16.0	ug/kg	85				57	139	
	Endosulfan II	18.89	0	16.4	ug/kg	87				40	163	
	4,4'-DDD	18.89	0	16.2	ug/kg	86				47	163	
	Endosulfan sulfate	18.89	0	16.0	ug/kg	85				62	139	
	4,4'-DDT	18.89	0	15.7	ug/kg	83				51	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2436</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089210.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	RPD
			Result	Result			Qual	RPD	Qual	Low	High	
Q2430-01MS (Column 2)	Methoxychlor	18.89	0	14.0	ug/kg	74				54	136	
	Endrin ketone	18.89	0	16.3	ug/kg	86				60	129	
	Endrin aldehyde	18.89	0	16.0	ug/kg	85				59	132	
	alpha-Chlordane	18.89	0	16.5	ug/kg	87				39	166	
	gamma-Chlordane	18.89	0	16.6	ug/kg	88				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	Q2436	Analytical Method:	8081B
Client:	CDM Smith	DataFile :	PD089211.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2430-01MSD (Column 1)	MH-E/FMSD											
	alpha-BHC	18.88	0	16.4	ug/kg	87		1		60	144	20
	beta-BHC	18.88	0	16.6	ug/kg	88		1		54	143	20
	delta-BHC	18.88	0	17.3	ug/kg	92		1		29	151	20
	gamma-BHC (Lindane)	18.88	0	16.5	ug/kg	87		0		61	140	20
	Heptachlor	18.88	0	15.9	ug/kg	84		0		63	135	20
	Aldrin	18.88	0	16.8	ug/kg	89		1		49	139	20
	Heptachlor epoxide	18.88	0	16.3	ug/kg	86		0		41	156	20
	Endosulfan I	18.88	0	16.4	ug/kg	87		0		56	142	20
	Dieldrin	18.88	0	16.4	ug/kg	87		1		47	161	20
	4,4'-DDE	18.88	0	16.4	ug/kg	87		0		55	136	20
	Endrin	18.88	0	15.7	ug/kg	83		0		57	139	20
	Endosulfan II	18.88	0	15.9	ug/kg	84		1		40	163	20
	4,4'-DDD	18.88	0	16.7	ug/kg	88		0		47	163	20
	Endosulfan sulfate	18.88	0	15.9	ug/kg	84		0		62	139	20
	4,4'-DDT	18.88	0	14.4	ug/kg	76		0		51	146	20
	Methoxychlor	18.88	0	13.5	ug/kg	72		1		54	136	20
	Endrin ketone	18.88	0	16.0	ug/kg	85		0		60	129	20
	Endrin aldehyde	18.88	0	15.9	ug/kg	84		0		59	132	20
	alpha-Chlordane	18.88	0	16.3	ug/kg	86		0		39	166	20
	gamma-Chlordane	18.88	0	16.6	ug/kg	88		0		44	175	20
Client Sample ID: Q2430-01MSD (Column 2)	MH-E/FMSD											
	alpha-BHC	18.88	0	17.0	ug/kg	90		0		60	144	20
	beta-BHC	18.88	0	16.7	ug/kg	88		0		54	143	20
	delta-BHC	18.88	0	16.8	ug/kg	89		0		29	151	20
	gamma-BHC (Lindane)	18.88	0	16.8	ug/kg	89		0		61	140	20
	Heptachlor	18.88	0	16.1	ug/kg	85		0		63	135	20
	Aldrin	18.88	0	16.8	ug/kg	89		0		49	139	20
	Heptachlor epoxide	18.88	0	16.7	ug/kg	88		0		41	156	20
	Endosulfan I	18.88	0	16.8	ug/kg	89		1		56	142	20
	Dieldrin	18.88	0	16.6	ug/kg	88		1		47	161	20
	4,4'-DDE	18.88	0	16.6	ug/kg	88		1		55	136	20
	Endrin	18.88	0	16.3	ug/kg	86		1		57	139	20
	Endosulfan II	18.88	0	16.6	ug/kg	88		1		40	163	20
	4,4'-DDD	18.88	0	16.3	ug/kg	86		0		47	163	20
	Endosulfan sulfate	18.88	0	16.1	ug/kg	85		0		62	139	20
	4,4'-DDT	18.88	0	15.8	ug/kg	84		1		51	146	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2436</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089211.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Q2430-01MSD (Column 2)	Methoxychlor	18.88	0	14.2	ug/kg	75		1		54	136	20
	Endrin ketone	18.88	0	16.4	ug/kg	87		1		60	129	20
	Endrin aldehyde	18.88	0	16.1	ug/kg	85		0		59	132	20
	alpha-Chlordane	18.88	0	16.6	ug/kg	88		1		39	166	20
	gamma-Chlordane	18.88	0	16.7	ug/kg	88		0		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q2436	Analytical Method:	8081B
Client:	CDM Smith	Datafile :	PD089233.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168637BS (Column 1)	alpha-BHC	16.65	16.9	ug/kg	102				84	123	
	beta-BHC	16.65	16.2	ug/kg	97				82	123	
	delta-BHC	16.65	17.5	ug/kg	105				83	126	
	gamma-BHC (Lindane)	16.65	16.9	ug/kg	102				83	125	
	Heptachlor	16.65	16.0	ug/kg	96				83	122	
	Aldrin	16.65	17.1	ug/kg	103				82	124	
	Heptachlor epoxide	16.65	16.5	ug/kg	99				83	120	
	Endosulfan I	16.65	16.5	ug/kg	99				81	124	
	Dieldrin	16.65	16.7	ug/kg	100				85	121	
	4,4'-DDE	16.65	16.4	ug/kg	98				81	123	
	Endrin	16.65	14.7	ug/kg	88				76	130	
	Endosulfan II	16.65	16.4	ug/kg	98				80	125	
	4,4'-DDD	16.65	17.7	ug/kg	106				80	131	
	Endosulfan sulfate	16.65	16.0	ug/kg	96				81	122	
	4,4'-DDT	16.65	12.8	ug/kg	77				70	129	
	Methoxychlor	16.65	12.0	ug/kg	72				60	119	
	Endrin ketone	16.65	16.4	ug/kg	98				77	132	
	Endrin aldehyde	16.65	15.8	ug/kg	95				79	124	
	alpha-Chlordane	16.65	16.4	ug/kg	98				84	120	
	gamma-Chlordane	16.65	16.9	ug/kg	102				83	122	
	alpha-BHC	16.65	16.4	ug/kg	98				84	123	
PB168637BS (Column 2)	beta-BHC	16.65	16.0	ug/kg	96				82	123	
	delta-BHC	16.65	16.3	ug/kg	98				83	126	
	gamma-BHC (Lindane)	16.65	16.3	ug/kg	98				83	125	
	Heptachlor	16.65	15.2	ug/kg	91				83	122	
	Aldrin	16.65	16.4	ug/kg	98				82	124	
	Heptachlor epoxide	16.65	16.3	ug/kg	98				83	120	
	Endosulfan I	16.65	16.4	ug/kg	98				81	124	
	Dieldrin	16.65	16.1	ug/kg	97				85	121	
	4,4'-DDE	16.65	16.1	ug/kg	97				81	123	
	Endrin	16.65	14.4	ug/kg	86				76	130	
	Endosulfan II	16.65	16.0	ug/kg	96				80	125	
	4,4'-DDD	16.65	17.2	ug/kg	103				80	131	
	Endosulfan sulfate	16.65	15.8	ug/kg	95				81	122	
	4,4'-DDT	16.65	12.8	ug/kg	77				70	129	
	Methoxychlor	16.65	12.1	ug/kg	73				60	119	
	Endrin ketone	16.65	16.4	ug/kg	98				77	132	
	Endrin aldehyde	16.65	15.7	ug/kg	94				79	124	
	alpha-Chlordane	16.65	16.1	ug/kg	97				84	120	
	gamma-Chlordane	16.65	16.2	ug/kg	97				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168637BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: PB168637BL

Lab File ID: PD089206.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/27/2025

Date Analyzed (1): 06/27/2025

Date Analyzed (2): 06/27/2025

Time Analyzed (1): 22:25

Time Analyzed (2): 22:25

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
MH-E/FMS	Q2430-01MS	PD089210.D	06/27/2025	06/27/2025
MH-E/FMSD	Q2430-01MSD	PD089211.D	06/27/2025	06/27/2025
TP-70	Q2436-01	PD089215.D	06/28/2025	06/28/2025
TP-69	Q2436-02	PD089216.D	06/28/2025	06/28/2025
TP-85	Q2436-03	PD089217.D	06/28/2025	06/28/2025
TP-86	Q2436-04	PD089218.D	06/28/2025	06/28/2025
TP-84	Q2436-05	PD089219.D	06/28/2025	06/28/2025
TP-83	Q2436-06	PD089220.D	06/28/2025	06/28/2025
TP-87	Q2436-07	PD089221.D	06/28/2025	06/28/2025
TP-100	Q2436-08	PD089222.D	06/28/2025	06/28/2025
TP-99	Q2436-09	PD089223.D	06/28/2025	06/28/2025
TP-82	Q2436-10	PD089224.D	06/28/2025	06/28/2025
PB168637BS	PB168637BS	PD089233.D	06/30/2025	06/30/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-70	SDG No.:	Q2436
Lab Sample ID:	Q2436-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	82.1 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089215.D	1	06/27/25 09:00	06/28/25 00:41	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.10	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.10	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.10	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.10	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.10	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.45	U	0.45	2.10	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.45	U	0.45	2.10	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.10	ug/kg
8001-35-2	Toxaphene	6.60	U	6.60	40.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.8		20 - 144	69%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		19 - 148	88%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-70	SDG No.:	Q2436
Lab Sample ID:	Q2436-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	82.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089215.D	1	06/27/25 09:00	06/28/25 00:41	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089215.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 00:41
 Operator : AR\AJ
 Sample : Q2436-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-70

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 03:49:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	47160727	299.8E6	16.529	17.684
28)	SA Decachlor...	9.070	8.070	51694859	273.2E6	13.162	13.819

Target Compounds

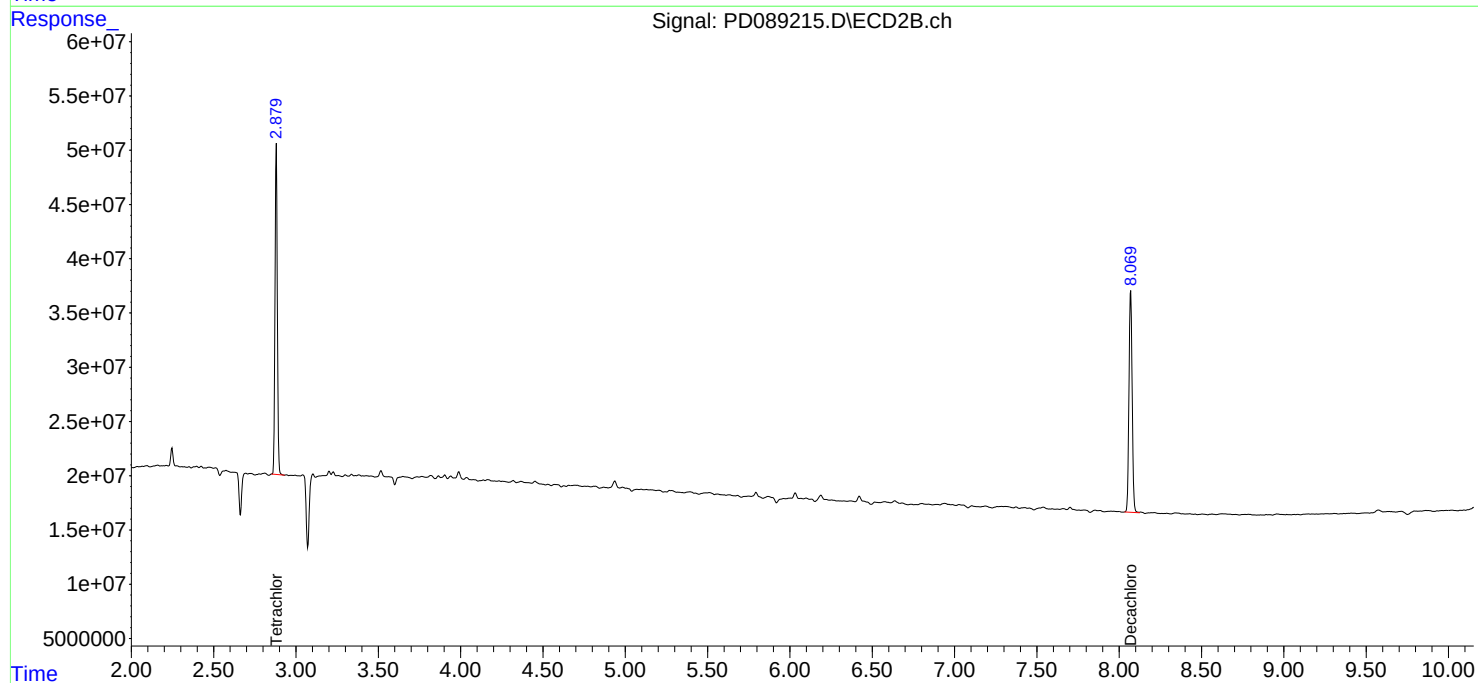
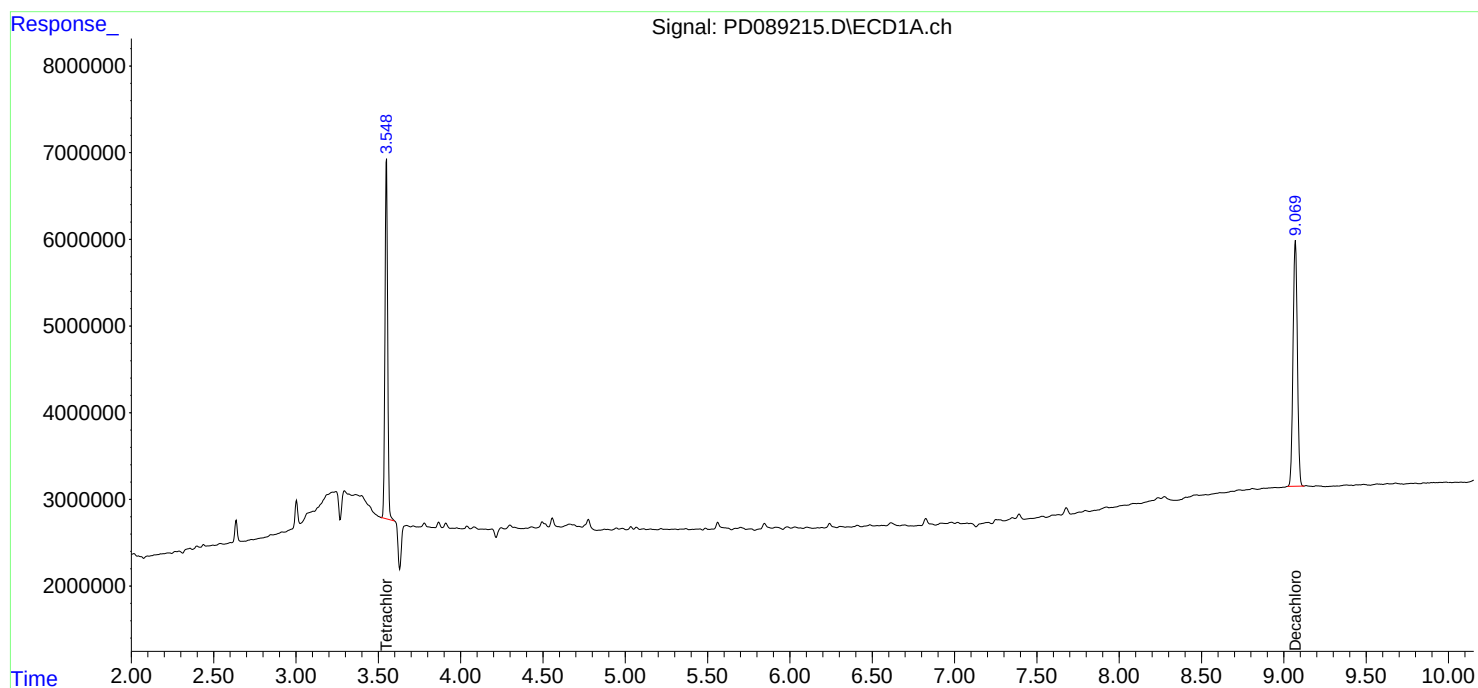
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

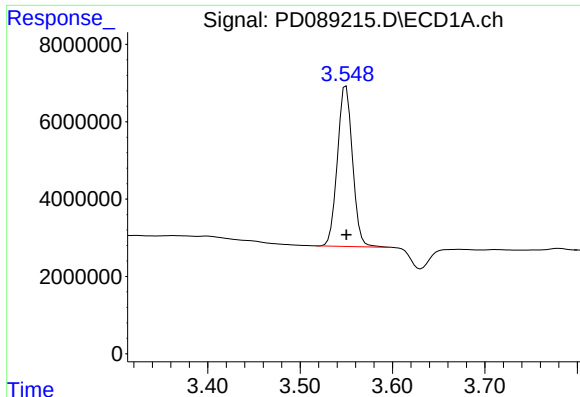
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 00:41
Operator : AR\AJ
Sample : Q2436-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-70

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 03:49:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

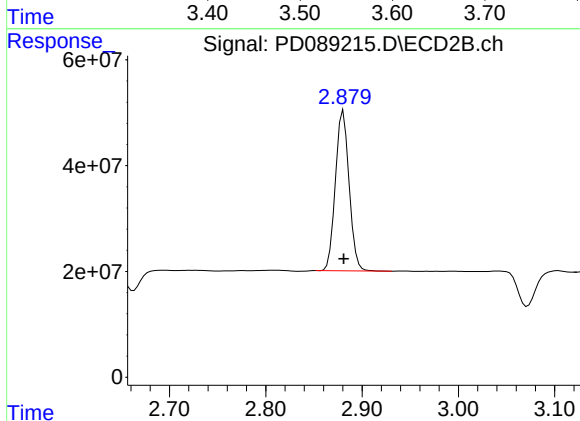




#1 Tetrachloro-m-xylene

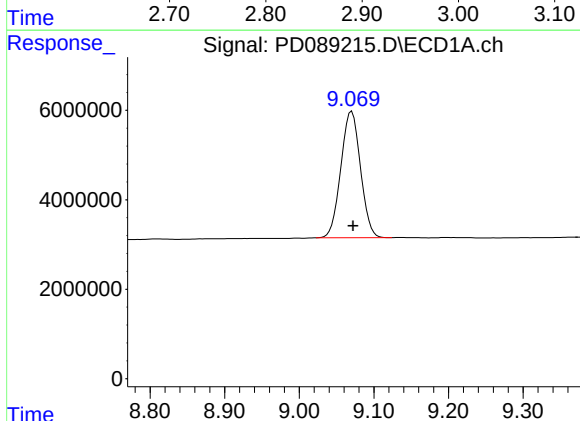
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 47160727
Conc: 16.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-70



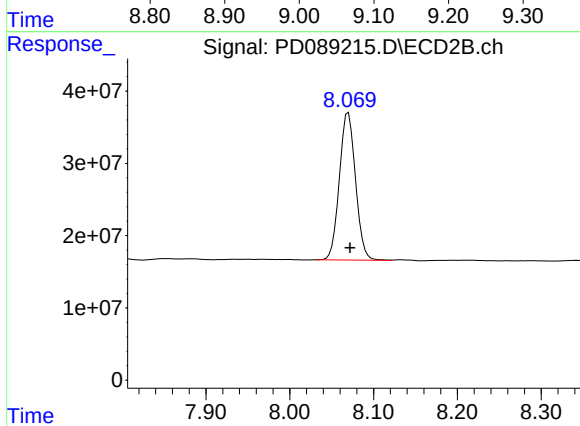
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 299797214
Conc: 17.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 51694859
Conc: 13.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 273207883
Conc: 13.82 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-69	SDG No.:	Q2436
Lab Sample ID:	Q2436-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	82
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089216.D	1	06/27/25 09:00	06/28/25 00:55	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.10	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.10	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.10	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.10	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.10	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.45	U	0.45	2.10	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.45	U	0.45	2.10	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.10	ug/kg
8001-35-2	Toxaphene	6.60	U	6.60	40.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.5		20 - 144	63%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		19 - 148	83%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-69	SDG No.:	Q2436
Lab Sample ID:	Q2436-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	82
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089216.D	1	06/27/25 09:00	06/28/25 00:55	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 00:55
Operator : AR\AJ
Sample : Q2436-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-69

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 03:49:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	44051079	281.9E6	15.440	16.626
28)	SA Decachlor...	9.069	8.070	46154604	247.4E6	11.751	12.516

Target Compounds

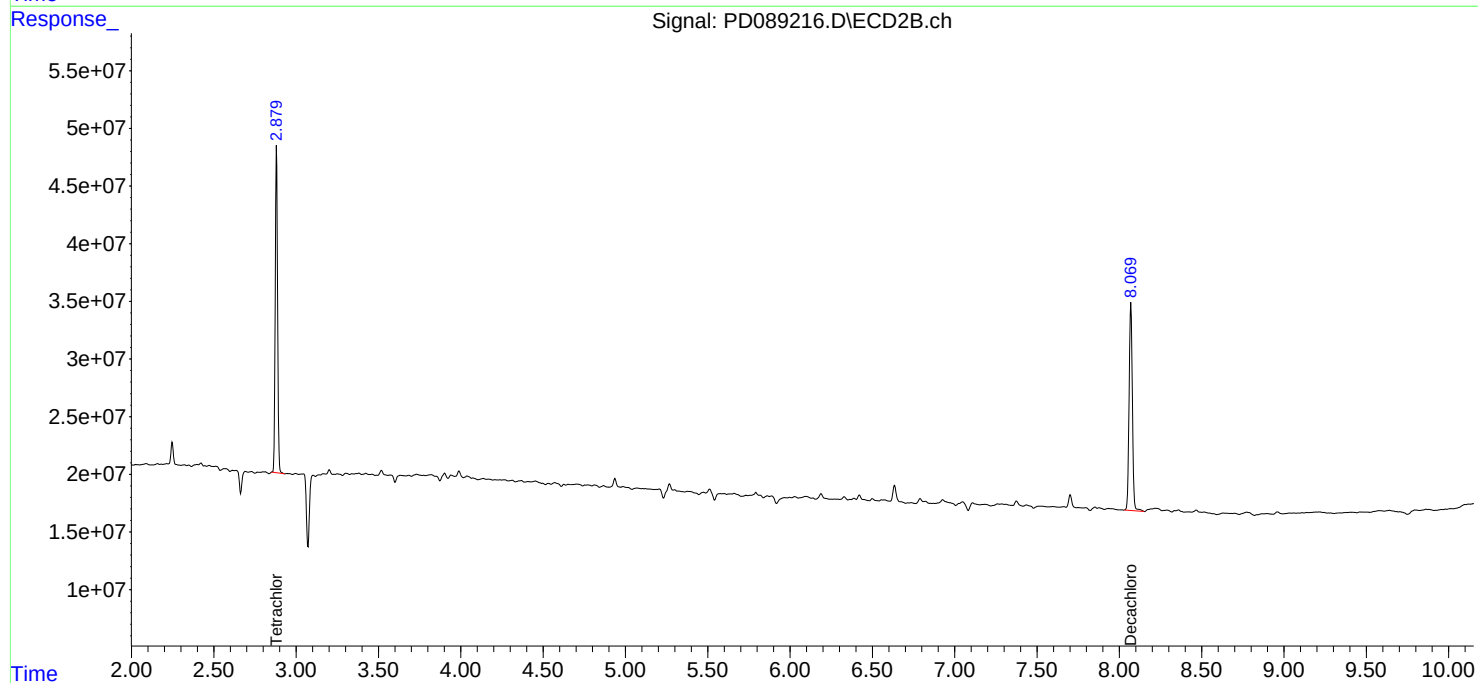
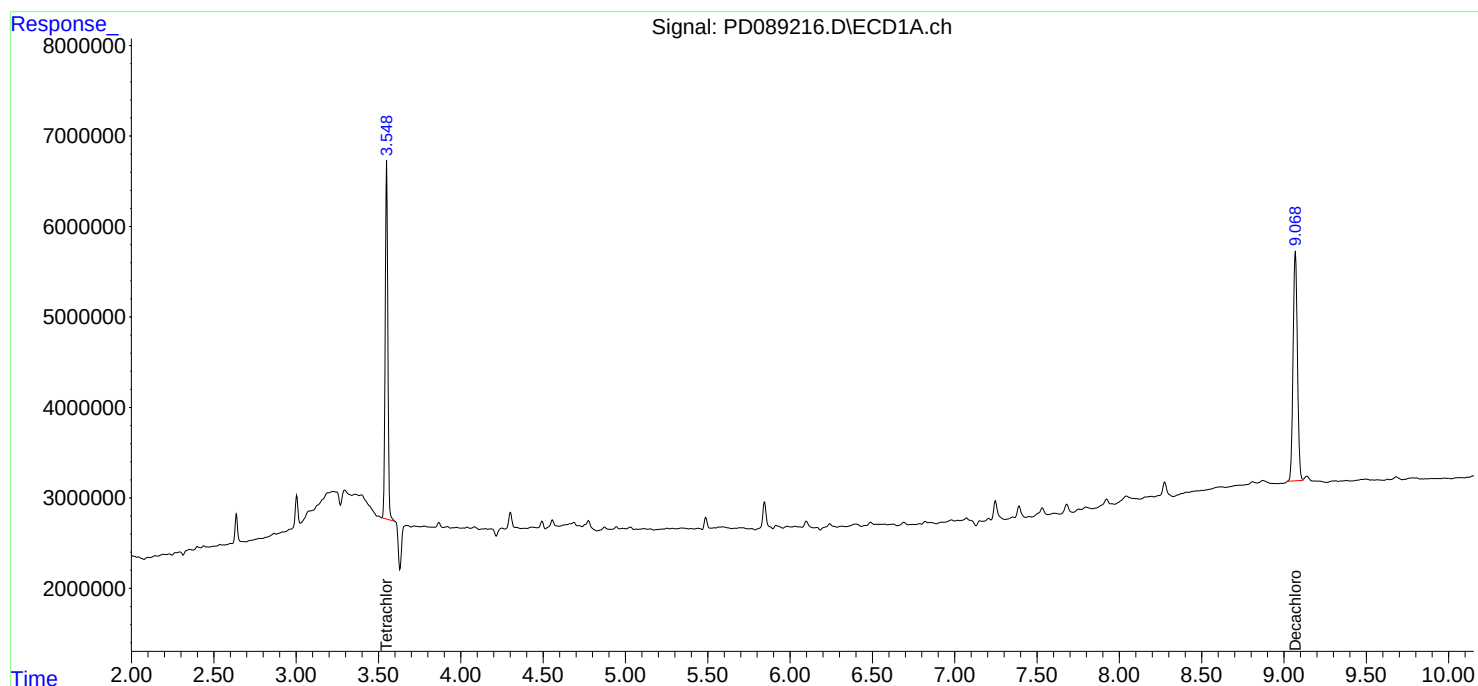
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

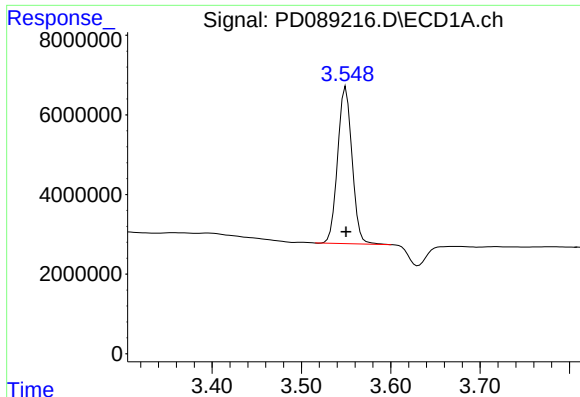
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 00:55
Operator : AR\AJ
Sample : Q2436-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-69

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 03:49:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

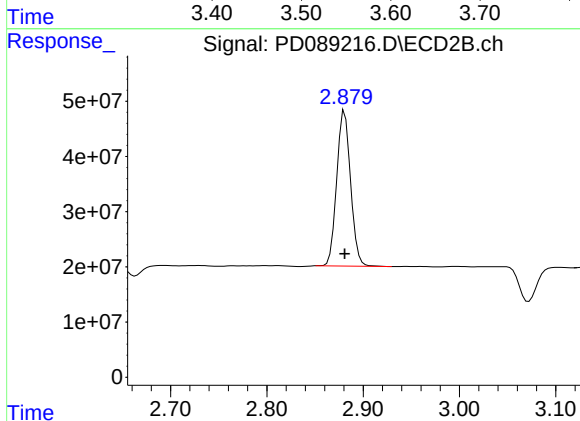




#1 Tetrachloro-m-xylene

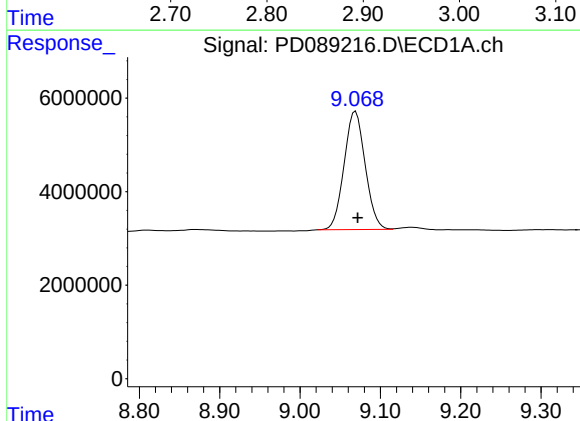
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 44051079
Conc: 15.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-69



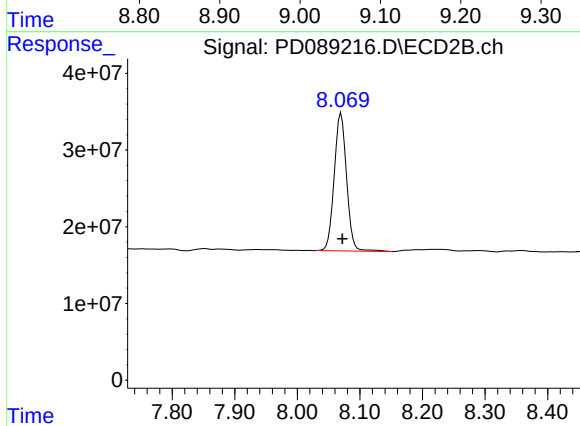
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 281860418
Conc: 16.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.003 min
Response: 46154604
Conc: 11.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 247439133
Conc: 12.52 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-85	SDG No.:	Q2436
Lab Sample ID:	Q2436-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.1 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
PD089217.D	1	06/27/25 09:00	06/28/25 01:09	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	38.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.8		20 - 144	59%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.2		19 - 148	76%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/25/25	
Project:	South River WM Replacement		Date Received:	06/26/25	
Client Sample ID:	TP-85		SDG No.:	Q2436	
Lab Sample ID:	Q2436-03		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	85.1	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
PD089217.D	1	06/27/25 09:00	06/28/25 01:09	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089217.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 01:09
 Operator : AR\AJ
 Sample : Q2436-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-85

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 03:49:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	40204699	257.1E6	14.091	15.166
28)	SA Decachlor...	9.069	8.070	43736254	233.4E6	11.136	11.804

Target Compounds

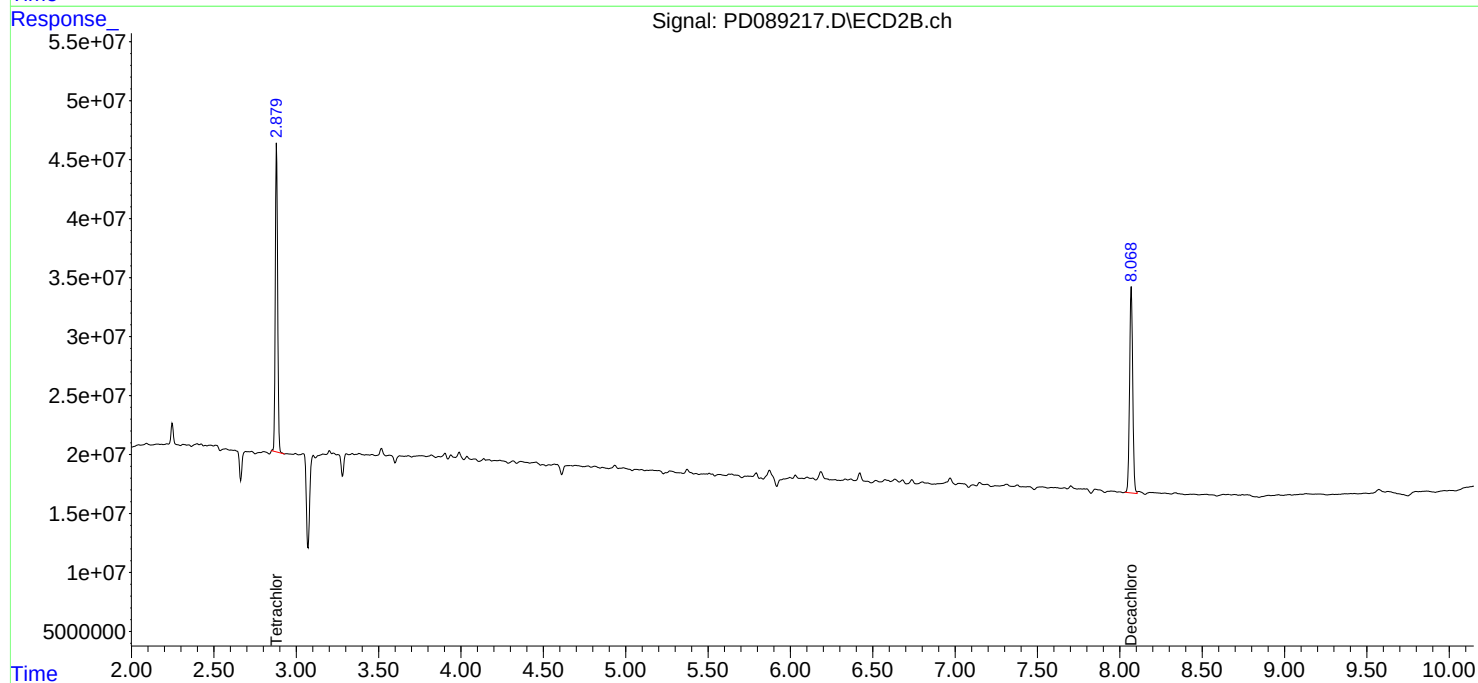
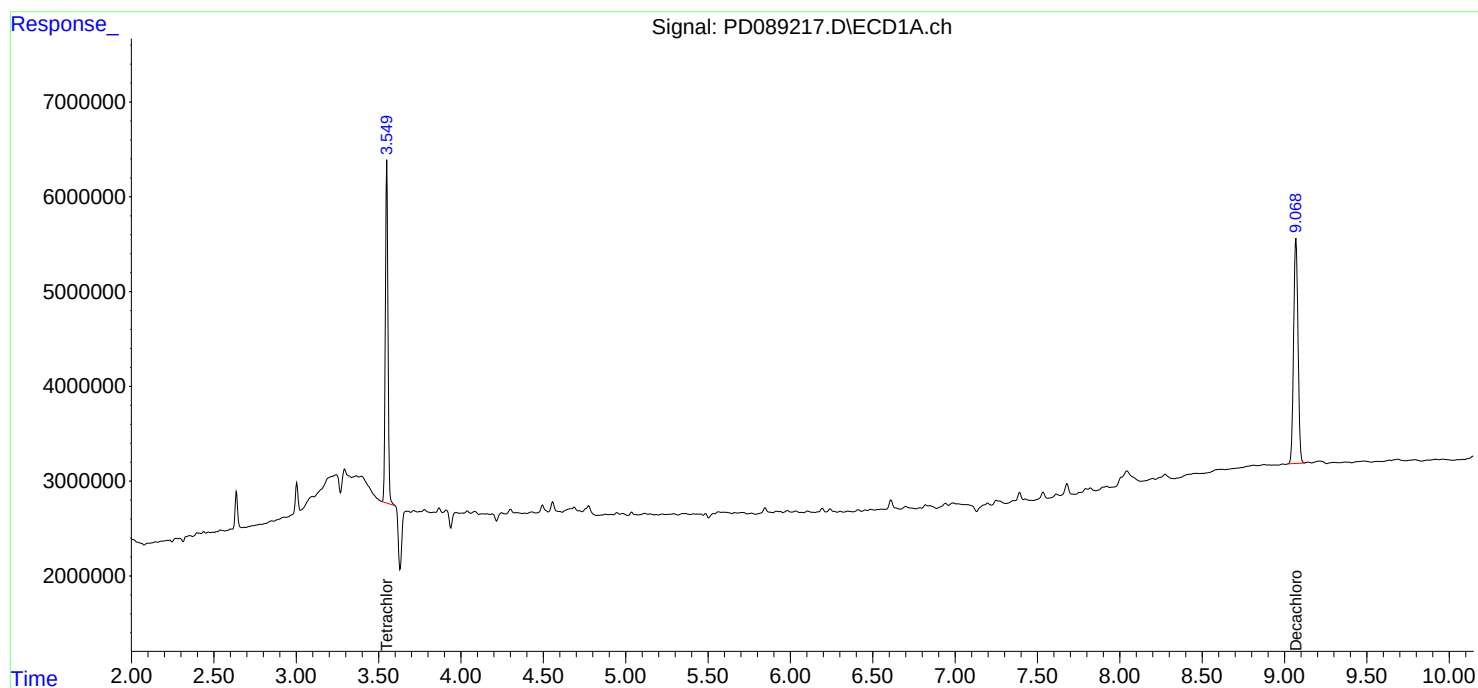
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

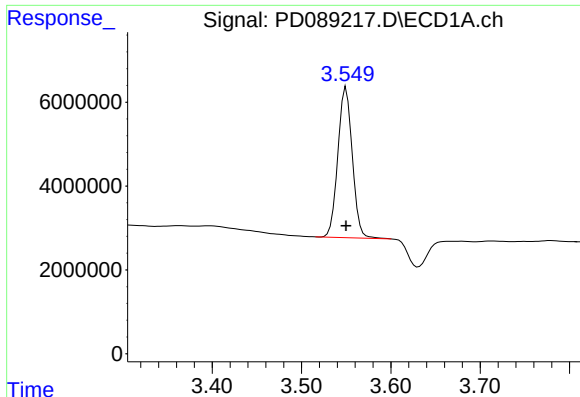
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089217.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 01:09
Operator : AR\AJ
Sample : Q2436-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-85

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 03:49:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

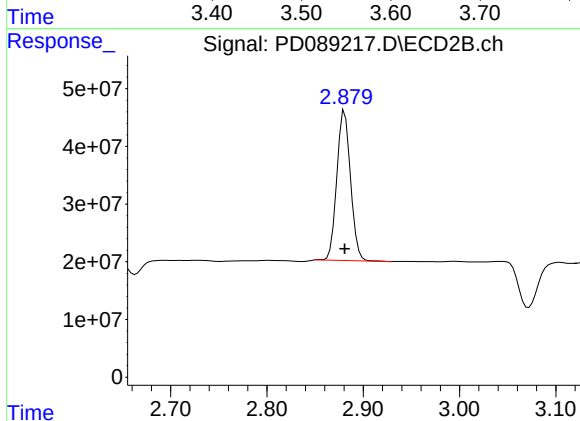




#1 Tetrachloro-m-xylene

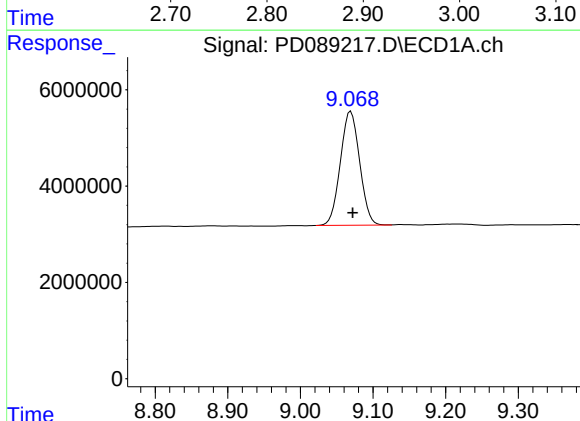
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 40204699
Conc: 14.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-85



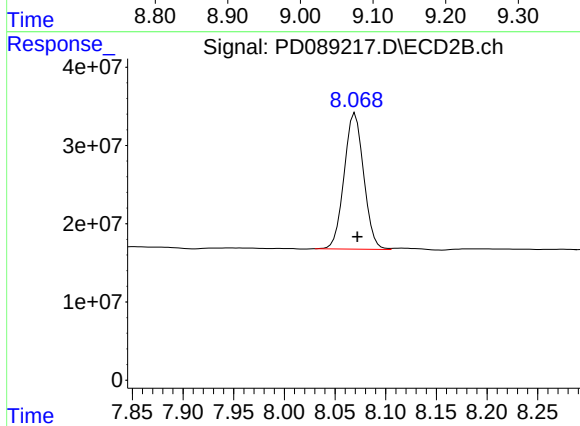
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 257112851
Conc: 15.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.003 min
Response: 43736254
Conc: 11.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 233367772
Conc: 11.80 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-86	SDG No.:	Q2436
Lab Sample ID:	Q2436-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.7 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089218.D	1	06/27/25 09:00	06/28/25 01:22	PB168637

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	15.4		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-86	SDG No.:	Q2436
Lab Sample ID:	Q2436-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.7 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089218.D	1	06/27/25 09:00	06/28/25 01:22	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089218.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 01:22
 Operator : AR\AJ
 Sample : Q2436-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-86

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 03:49:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	50168921	311.3E6	17.584	18.365
28)	SA Decachlor...	9.070	8.070	56539353	305.4E6	14.395	15.448

Target Compounds

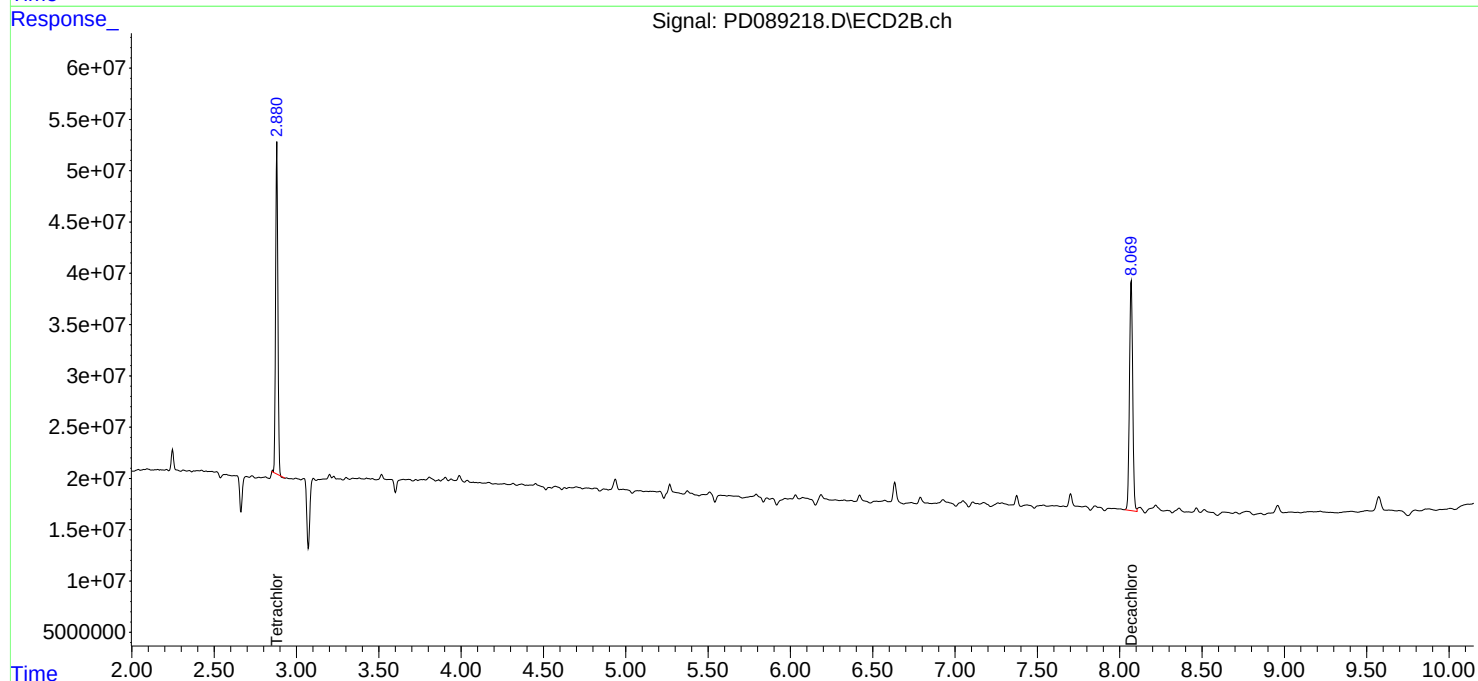
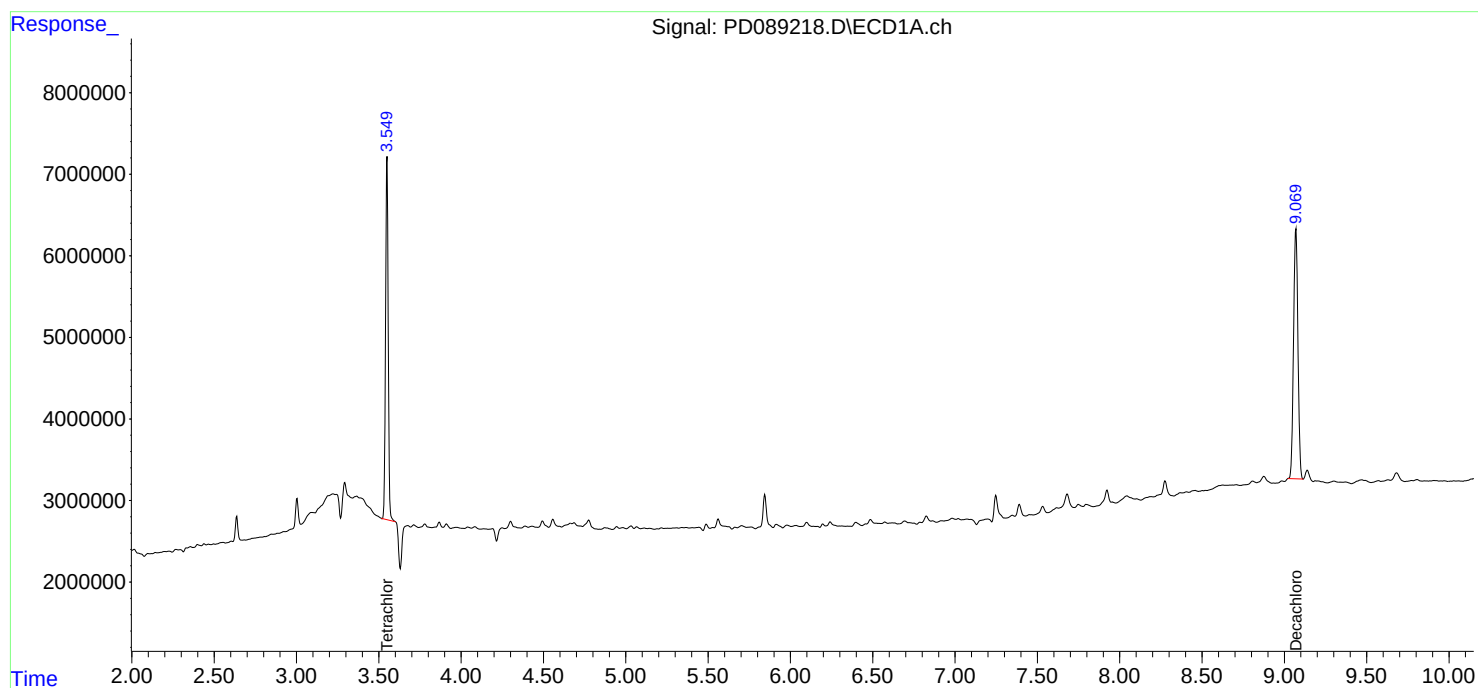
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

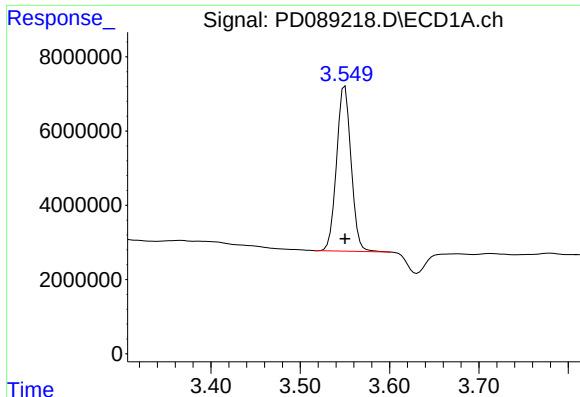
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089218.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 01:22
Operator : AR\AJ
Sample : Q2436-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-86

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 03:49:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

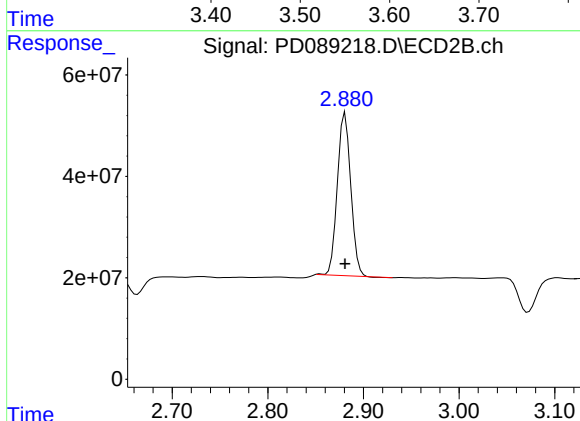




#1 Tetrachloro-m-xylene

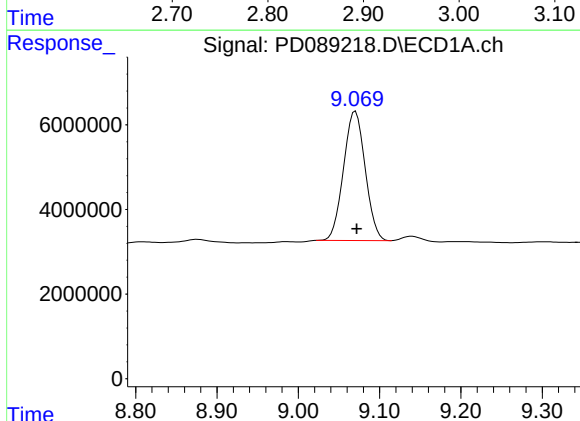
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 50168921
Conc: 17.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-86



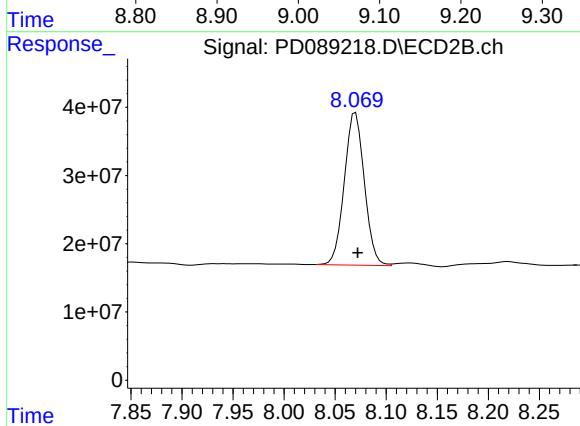
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 311338661
Conc: 18.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 56539353
Conc: 14.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 305412990
Conc: 15.45 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-84	SDG No.:	Q2436
Lab Sample ID:	Q2436-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	92.3 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
PD089219.D	1	06/27/25 09:00	06/28/25 01:36	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.42	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	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	35.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.0		20 - 144	75%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		19 - 148	93%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-84	SDG No.:	Q2436
Lab Sample ID:	Q2436-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	92.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089219.D	1	06/27/25 09:00	06/28/25 01:36	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089219.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 01:36
 Operator : AR\AJ
 Sample : Q2436-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-84

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/30/2025
 Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 03:50:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.880	48696052	315.6E6	17.068	18.618m
28)	SA Decachlor...	9.070	8.070	55653545	296.3E6	14.170	14.988

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089219.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 01:36
Operator : AR\AJ
Sample : Q2436-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

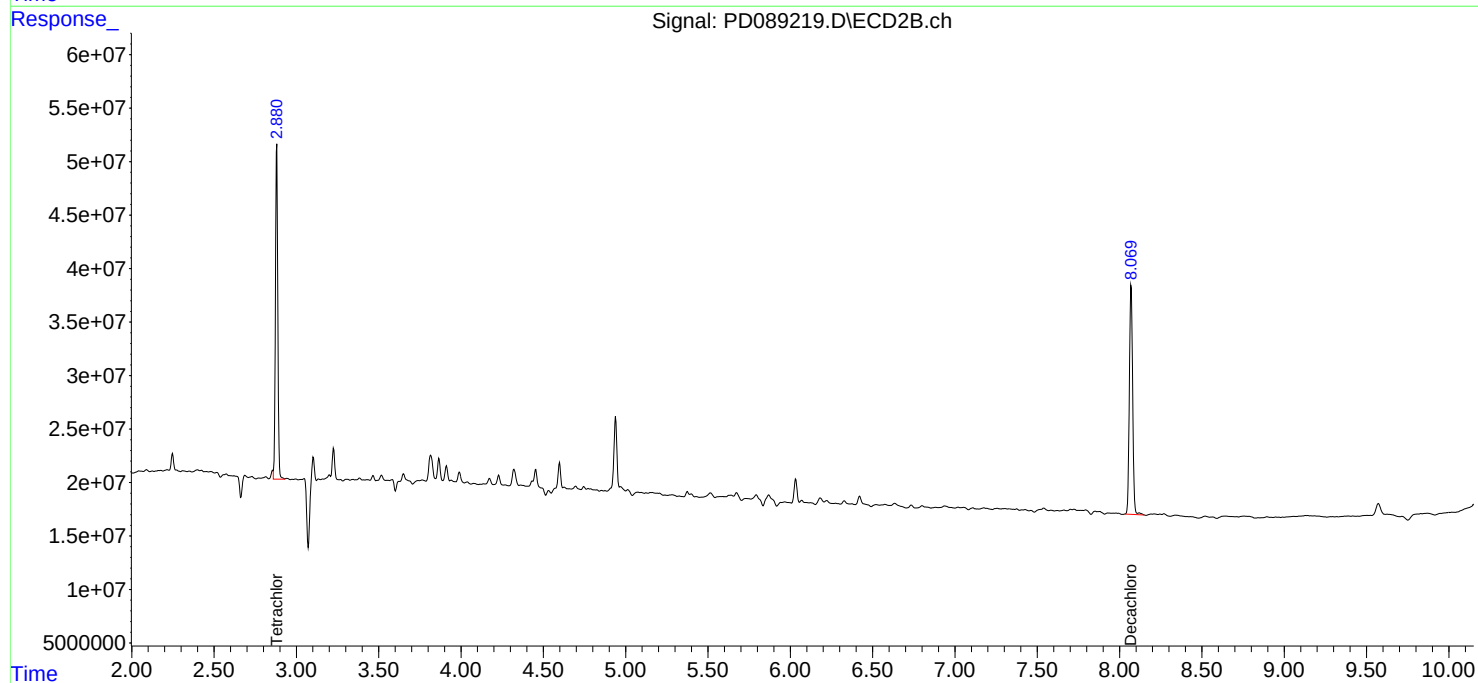
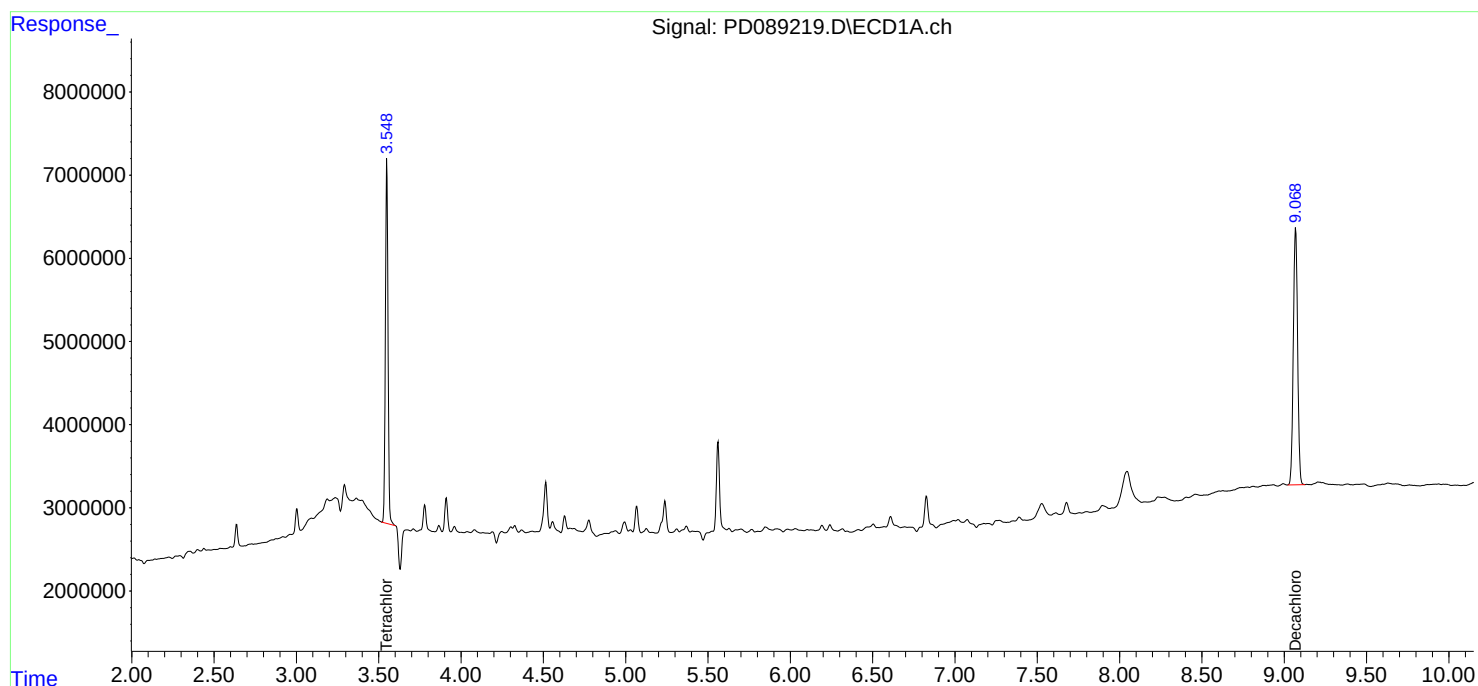
Instrument :
ECD_D
ClientSampleId :
TP-84

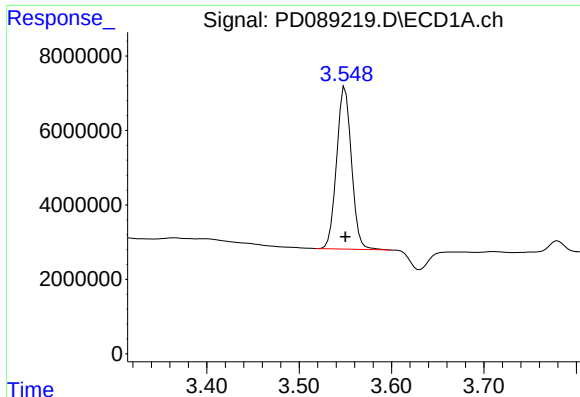
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/30/2025
Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 03:50:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





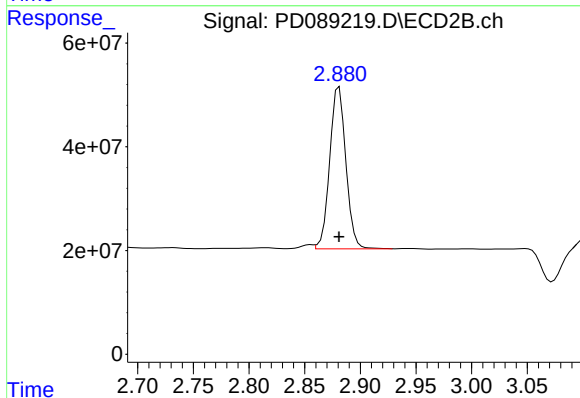
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 48696052
Conc: 17.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-84

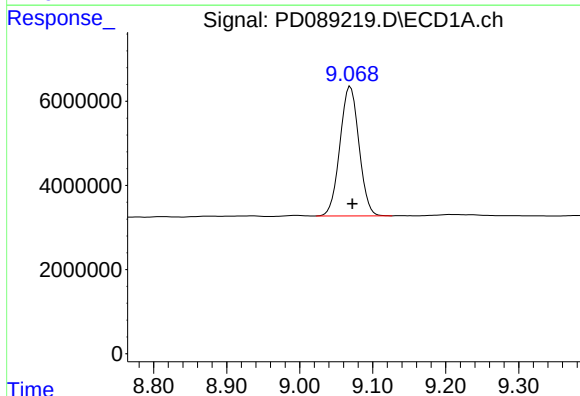
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025



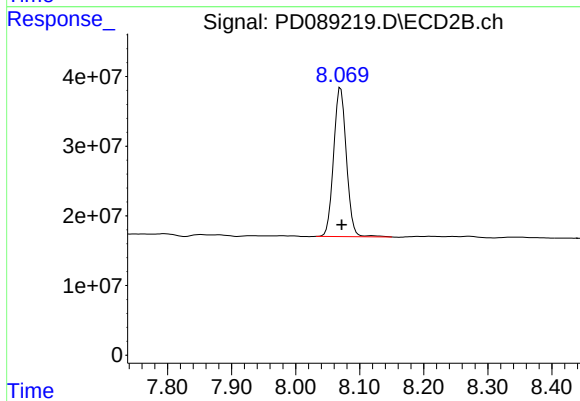
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 315628642
Conc: 18.62 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 55653545
Conc: 14.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 296304871
Conc: 14.99 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-83	SDG No.:	Q2436
Lab Sample ID:	Q2436-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089220.D	1	06/27/25 09:00	06/28/25 01:50	PB168637

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	0.26	J	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.7		20 - 144	74%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.8		19 - 148	89%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-83	SDG No.:	Q2436
Lab Sample ID:	Q2436-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089220.D	1	06/27/25 09:00	06/28/25 01:50	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089220.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 01:50
 Operator : AR\AJ
 Sample : Q2436-06
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-83

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 03:50:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	47076991	301.7E6	16.500	17.794
28)	SA Decachlor...	9.069	8.070	55441148	290.6E6	14.116	14.698
Target Compounds							
12)	B 4,4'-DDE	6.194	5.374	2345502	16189323	0.538	0.706 #

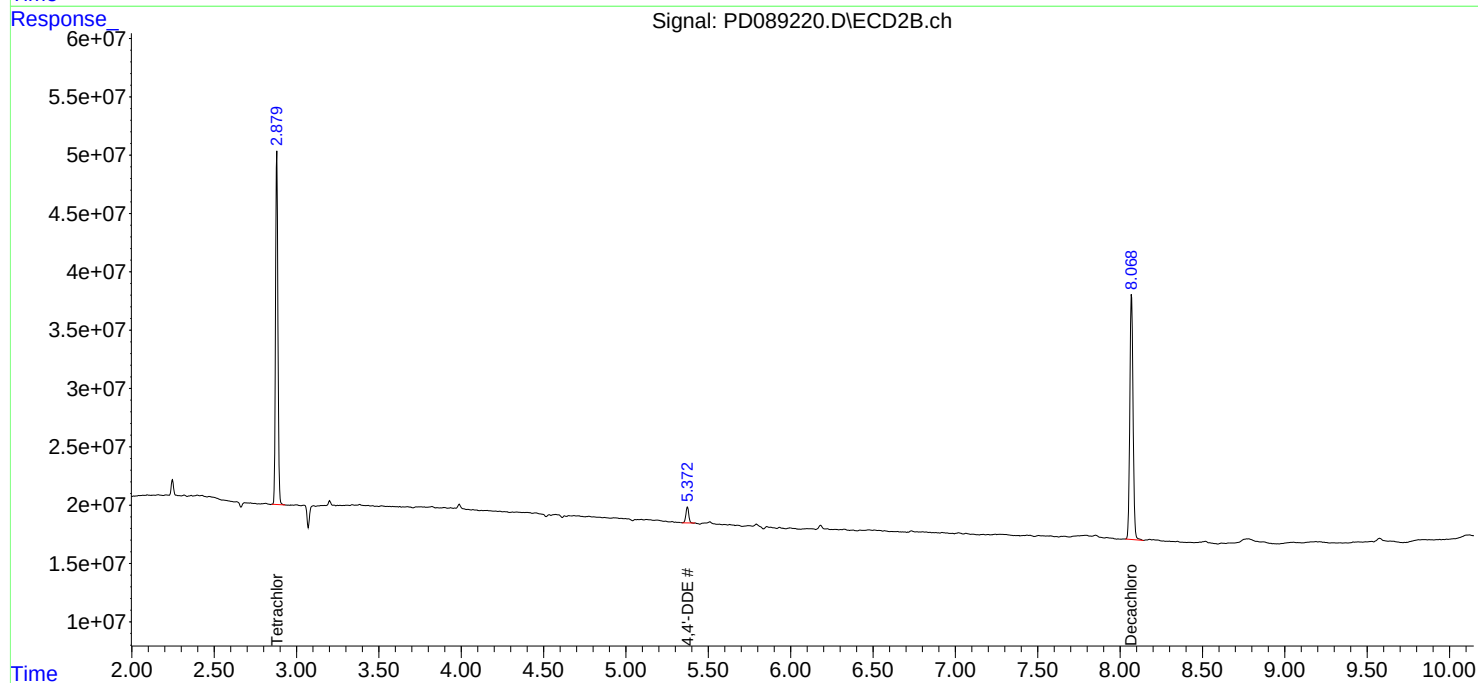
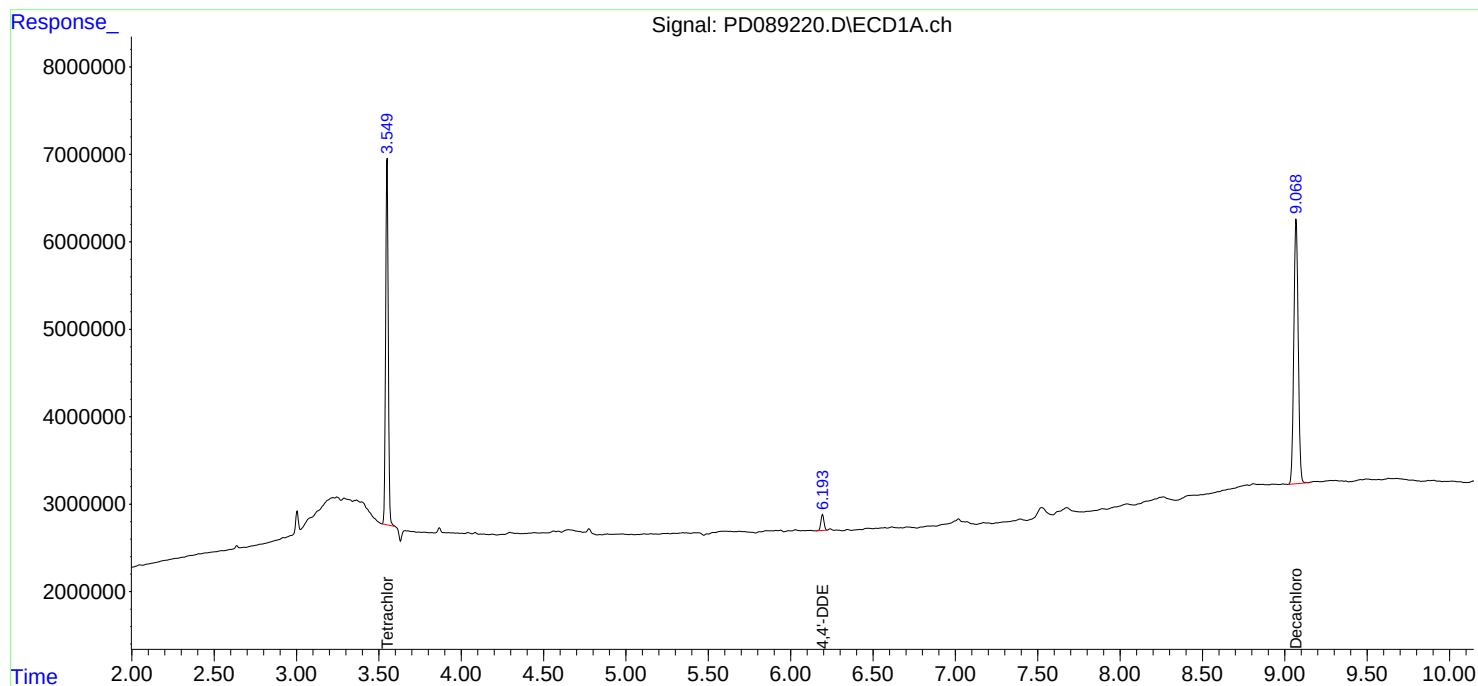
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

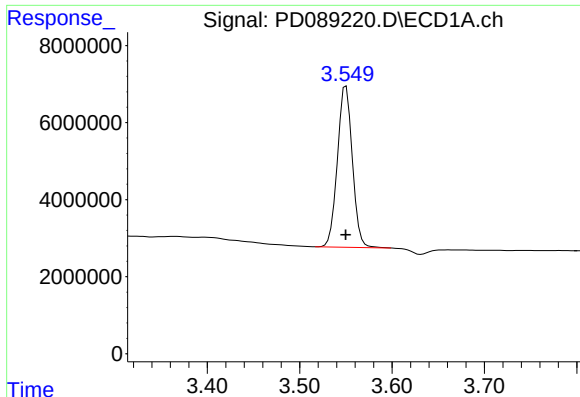
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089220.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 01:50
Operator : AR\AJ
Sample : Q2436-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-83

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 03:50:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

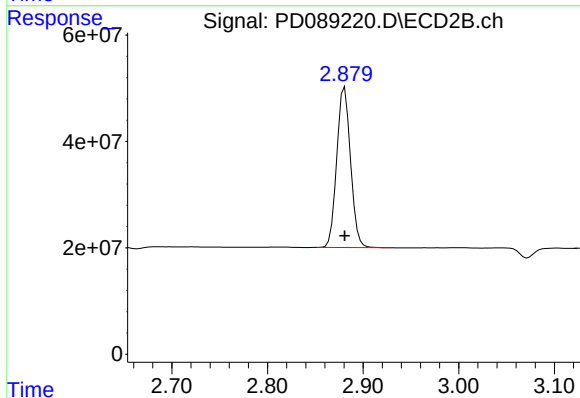




#1 Tetrachloro-m-xylene

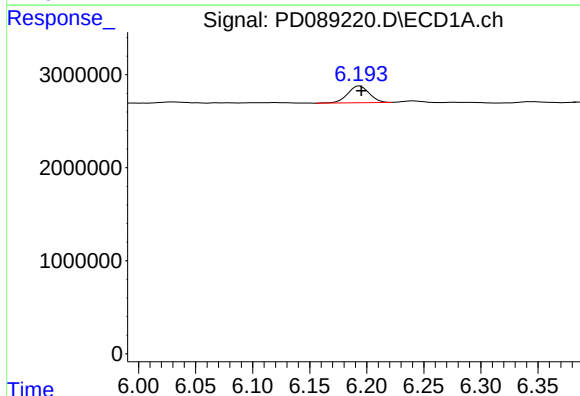
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 47076991
Conc: 16.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-83



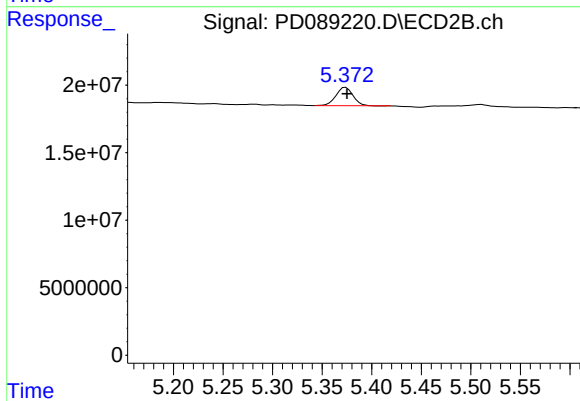
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 301662638
Conc: 17.79 ng/ml



#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.001 min
Response: 2345502
Conc: 0.54 ng/ml



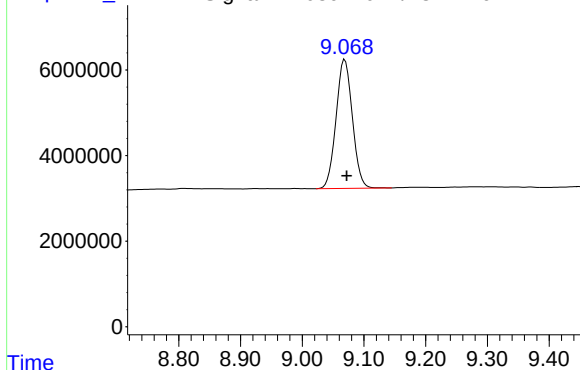
#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: -0.001 min
Response: 16189323
Conc: 0.71 ng/ml

Response_

Signal: PD089220.D\ECD1A.ch

#28 Decachlorobiphenyl



R.T.: 9.069 min

Delta R.T.: -0.003 min

Response: 55441148

Conc: 14.12 ng/ml

Instrument :

ECD_D

ClientSampleId :

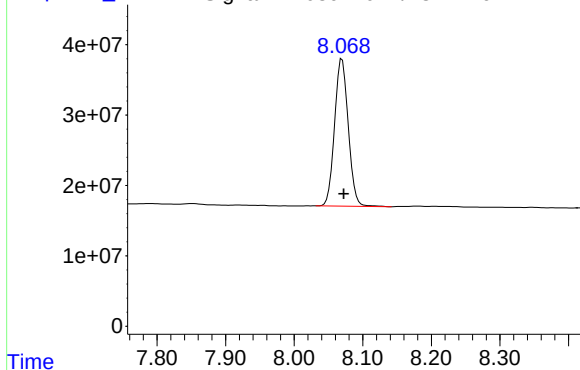
TP-83

Time

Response_

Signal: PD089220.D\ECD2B.ch

#28 Decachlorobiphenyl



Time

R.T.: 8.070 min

Delta R.T.: -0.002 min

Response: 290585948

Conc: 14.70 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-87	SDG No.:	Q2436
Lab Sample ID:	Q2436-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.9 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
PD089221.D	1	06/27/25 09:00	06/28/25 02:03	PB168637

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	0.19	J	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.1		20 - 144	70%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		19 - 148	86%	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:	TP-87	SDG No.:	Q2436
Lab Sample ID:	Q2436-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.9 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
PD089221.D	1	06/27/25 09:00	06/28/25 02:03	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089221.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 02:03
 Operator : AR\AJ
 Sample : Q2436-07
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-87

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 03:50:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	46795470	292.4E6	16.401	17.247
28)	SA Decachlor...	9.070	8.071	52310087	278.2E6	13.318	14.073
Target Compounds							
12)	B 4,4'-DDE	6.193	5.374	1474811	11554869	0.338	0.504 #

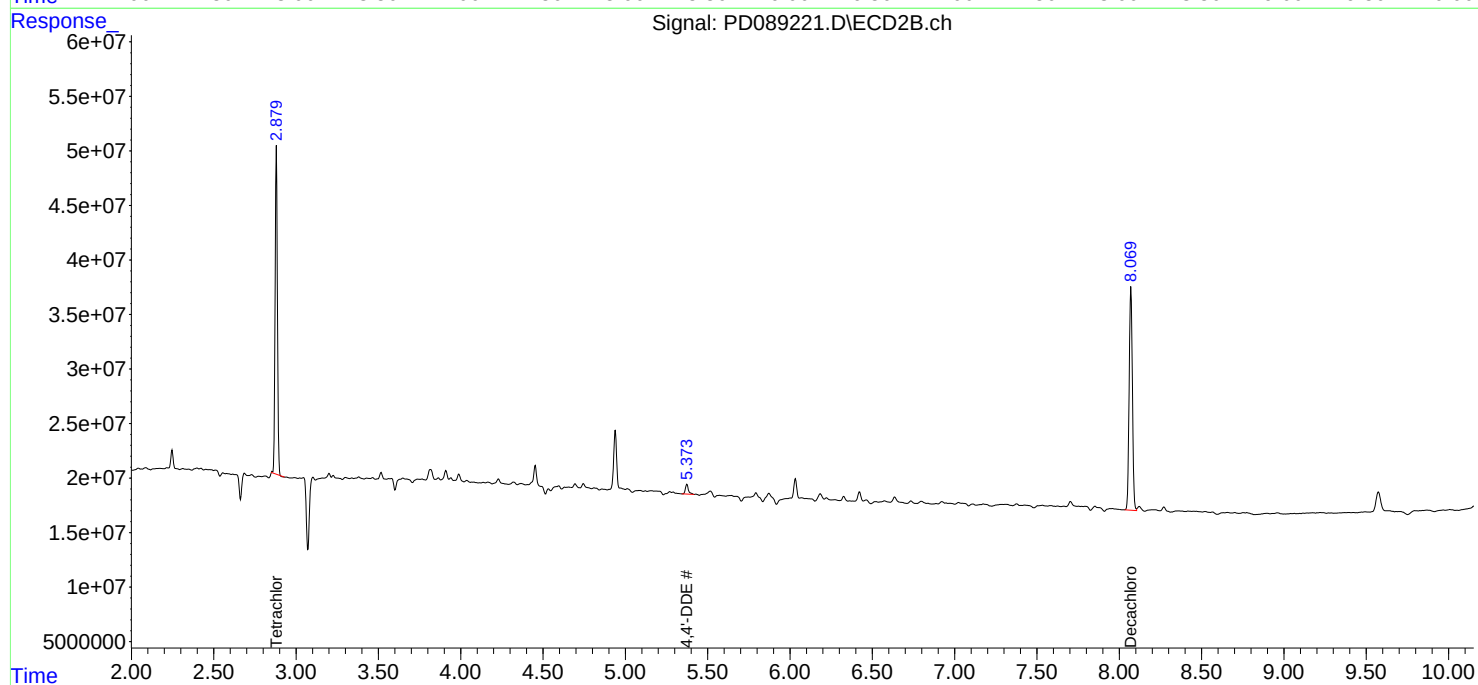
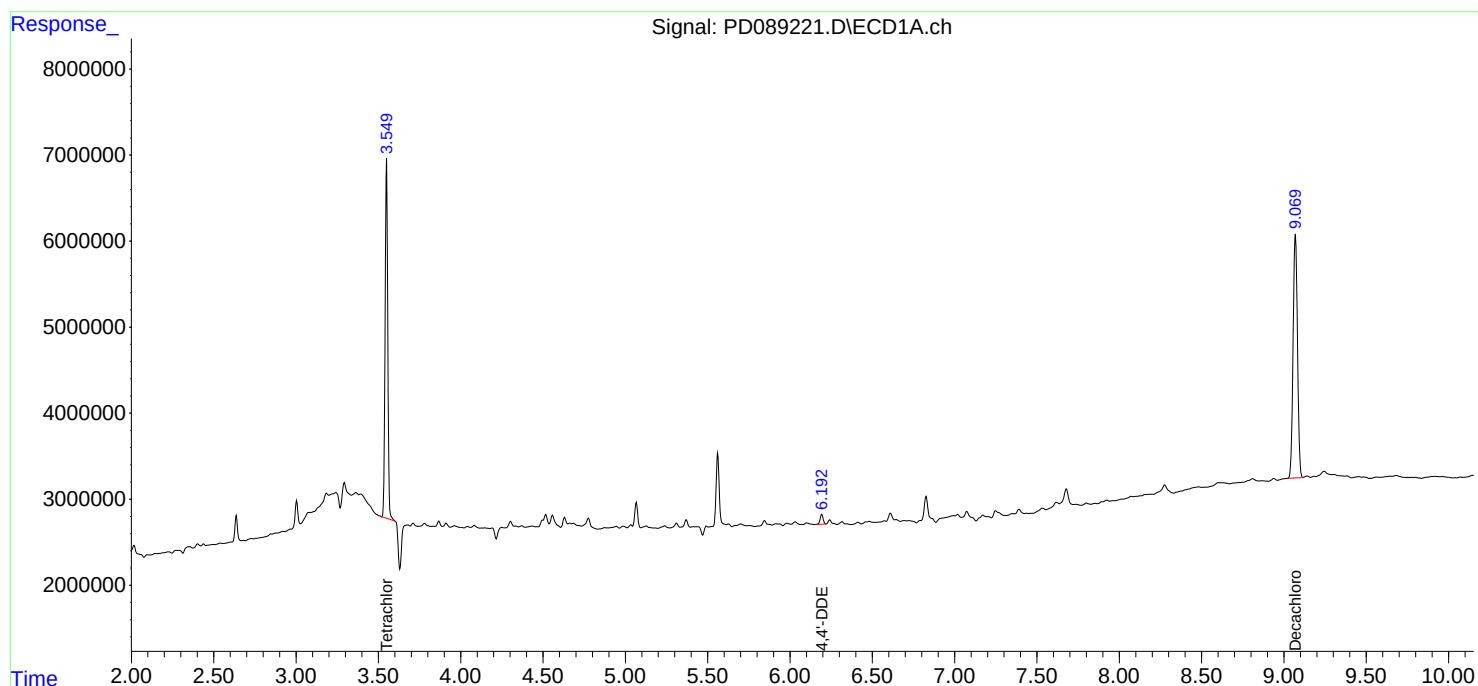
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

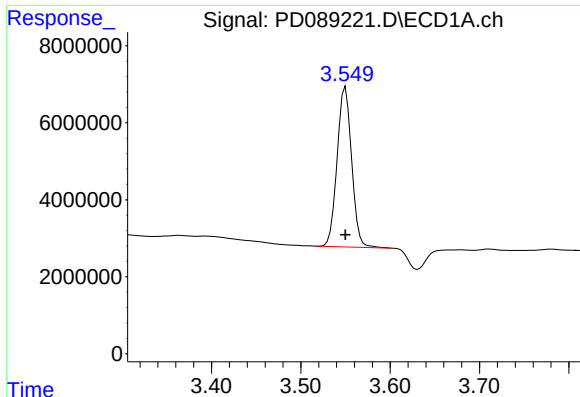
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089221.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 02:03
Operator : AR\AJ
Sample : Q2436-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-87

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 03:50:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

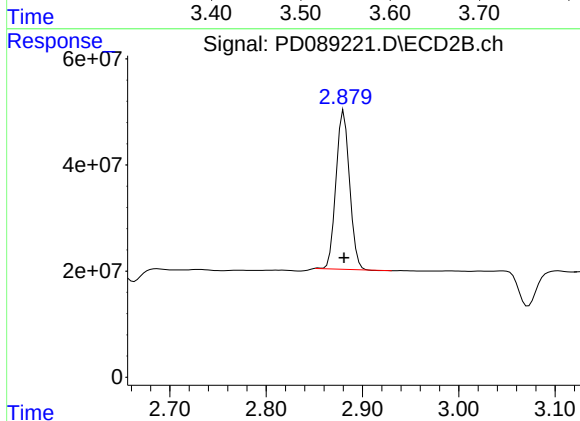




#1 Tetrachloro-m-xylene

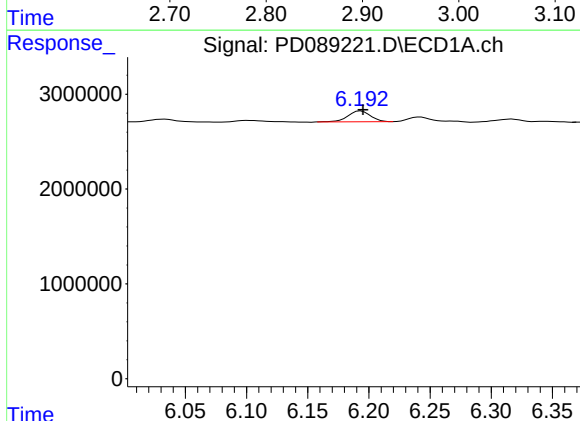
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 46795470
Conc: 16.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-87



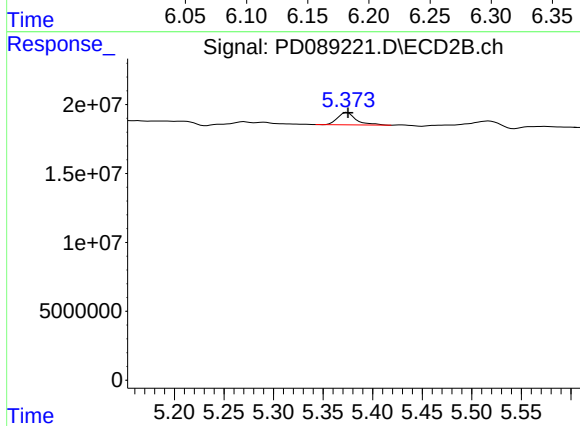
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 292394087
Conc: 17.25 ng/ml



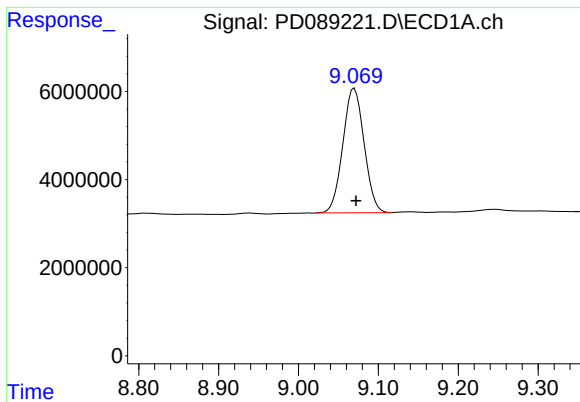
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.002 min
Response: 1474811
Conc: 0.34 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 11554869
Conc: 0.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min

Delta R.T.: -0.002 min

Response: 52310087

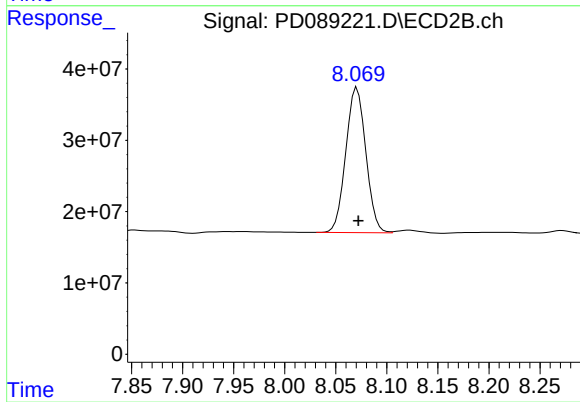
Conc: 13.32 ng/ml

Instrument :

ECD_D

ClientSampleId :

TP-87



#28 Decachlorobiphenyl

R.T.: 8.071 min

Delta R.T.: -0.001 min

Response: 278226305

Conc: 14.07 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-100	SDG No.:	Q2436
Lab Sample ID:	Q2436-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089222.D	1	06/27/25 09:00	06/28/25 02:17	PB168637

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	1.40	J	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	1.10	J	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	22.9	P	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	12.9		0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.5		20 - 144	73%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.3		19 - 148	81%	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:	TP-100	SDG No.:	Q2436
Lab Sample ID:	Q2436-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089222.D	1	06/27/25 09:00	06/28/25 02:17	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089222.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 02:17
 Operator : AR\AJ
 Sample : Q2436-08
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-100

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/30/2025
 Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 30 07:16:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.868	46423834	3216478	16.271	0.190 #
28)	SA Decachlor...	9.069	8.083	54933805	287.2E6	13.987m	14.528
Target Compounds							
8)	B Heptachlo...	5.687	4.883	13142985	79596973	2.725m	3.635m#
10)	B gamma-Chl...	5.945	5.138	159.5E6	574.3E6	33.314	24.005 #
11)	B alpha-Chl...	6.029	5.202	285.2E6	818.9E6	58.945	35.766 #
13)	MA Dieldrin	6.345	5.523	10135718	65260445	2.113	2.812m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089222.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 02:17
Operator : AR\AJ
Sample : Q2436-08
Misc :
ALS Vial : 35 Sample Multiplier: 1

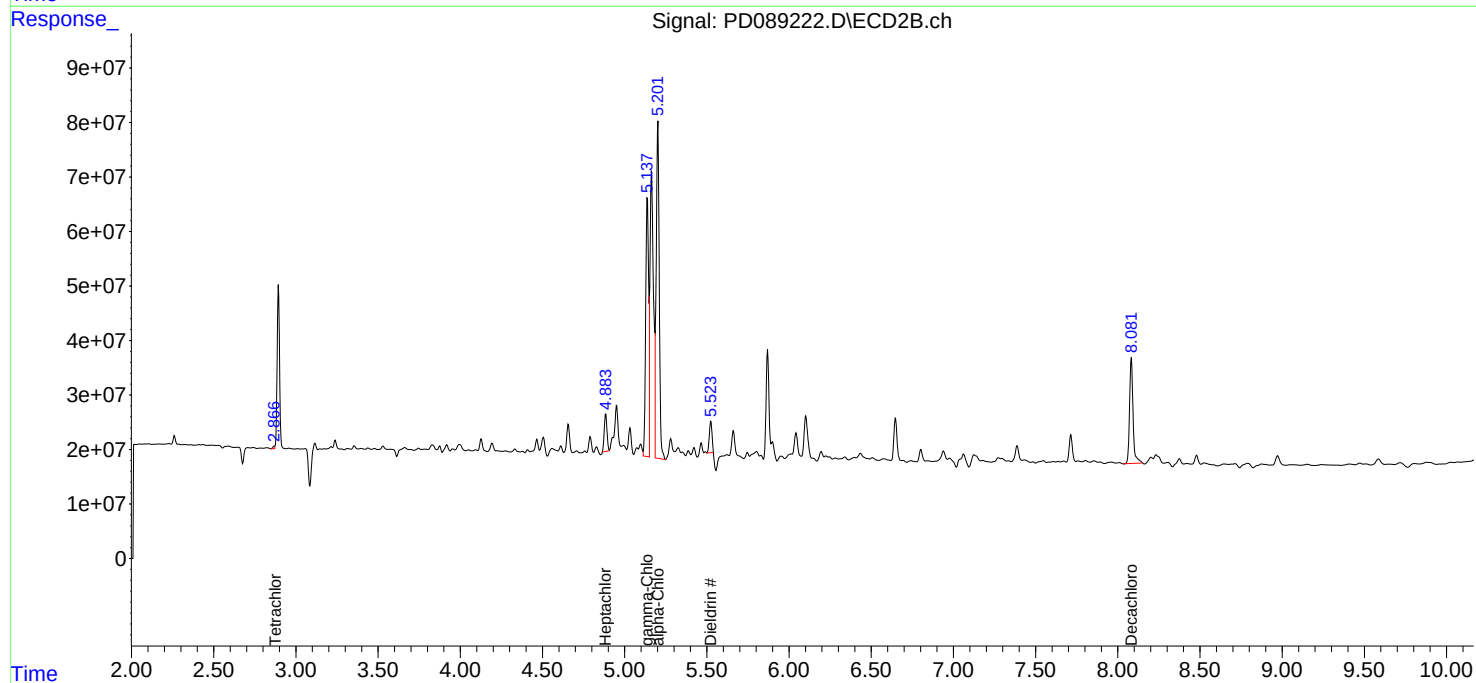
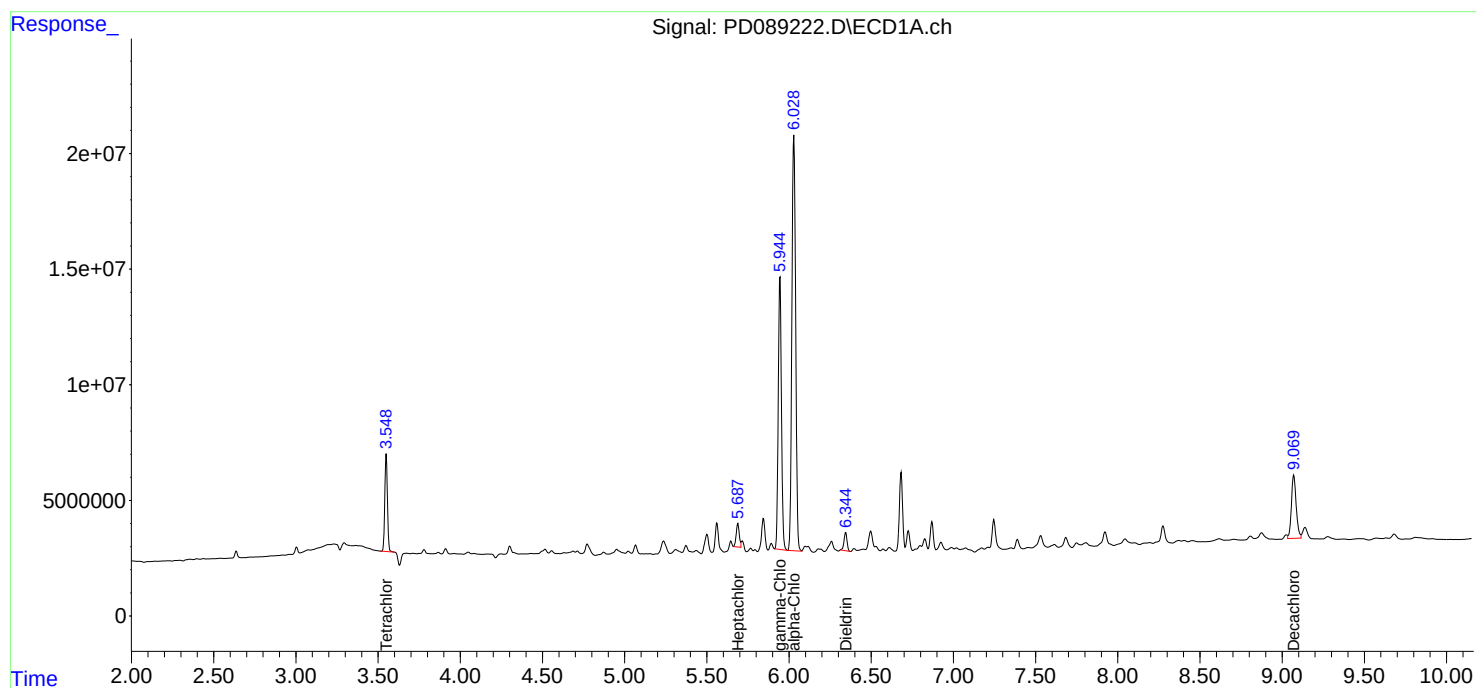
Instrument :
ECD_D
ClientSampleId :
TP-100

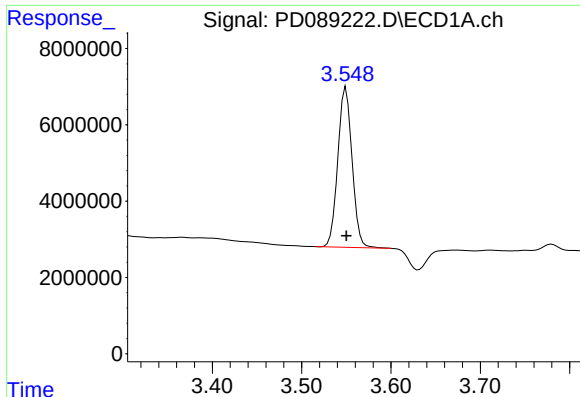
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/30/2025
Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 30 07:16:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





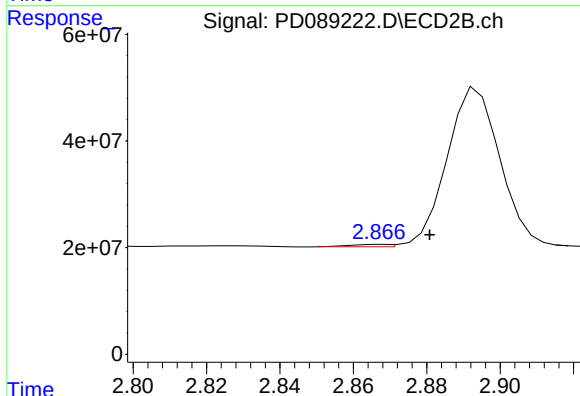
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
 Delta R.T.: 0.000 min
 Response: 46423834
 Conc: 16.27 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 TP-100

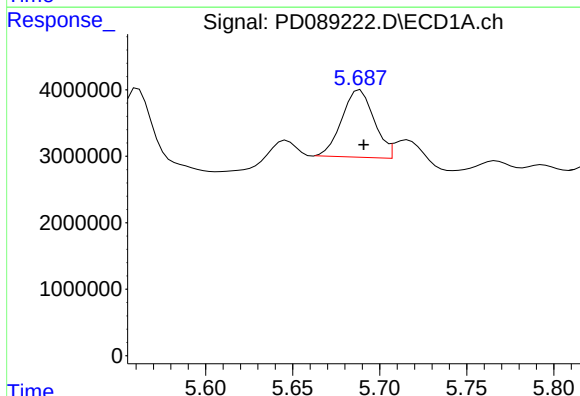
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/30/2025
 Supervised By :mohammad ahmed 07/01/2025



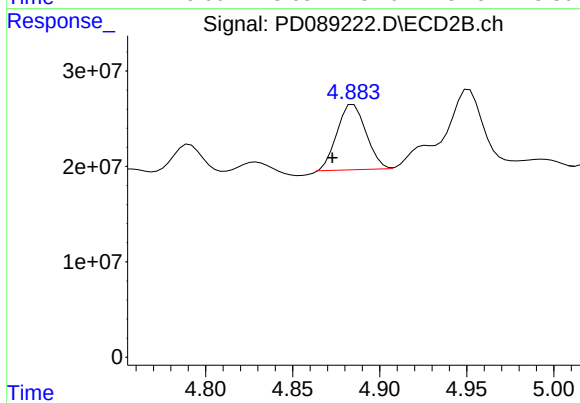
#1 Tetrachloro-m-xylene

R.T.: 2.868 min
 Delta R.T.: -0.013 min
 Response: 3216478
 Conc: 0.19 ng/ml



#8 Heptachlor epoxide

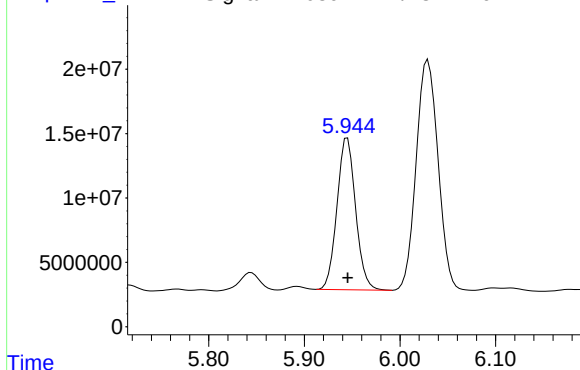
R.T.: 5.687 min
 Delta R.T.: -0.003 min
 Response: 13142985
 Conc: 2.72 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.883 min
 Delta R.T.: 0.011 min
 Response: 79596973
 Conc: 3.63 ng/ml m

Response_ Signal: PD089222.D\ECD1A.ch



#10 gamma-Chlordane

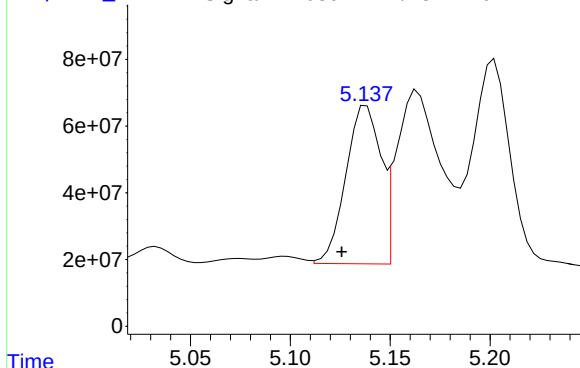
R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 159509005
Conc: 33.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-100

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025

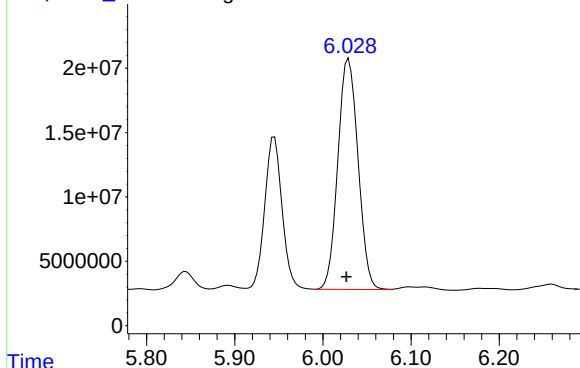
Time Response_ Signal: PD089222.D\ECD2B.ch



#10 gamma-Chlordane

R.T.: 5.138 min
Delta R.T.: 0.012 min
Response: 574270493
Conc: 24.01 ng/ml

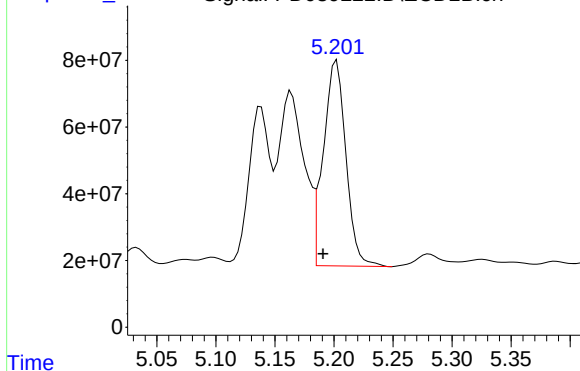
Time Response_ Signal: PD089222.D\ECD1A.ch



#11 alpha-Chlordane

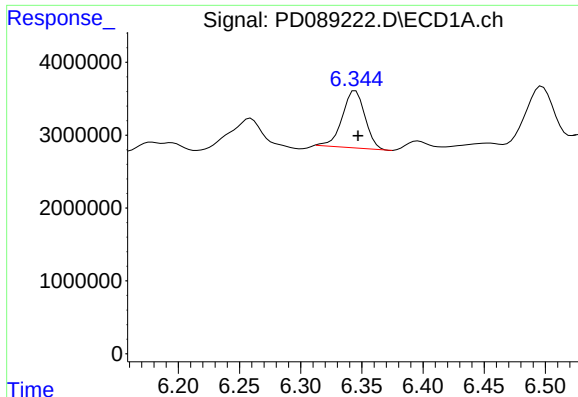
R.T.: 6.029 min
Delta R.T.: 0.002 min
Response: 285209041
Conc: 58.95 ng/ml

Time Response_ Signal: PD089222.D\ECD2B.ch



#11 alpha-Chlordane

R.T.: 5.202 min
Delta R.T.: 0.011 min
Response: 818927424
Conc: 35.77 ng/ml



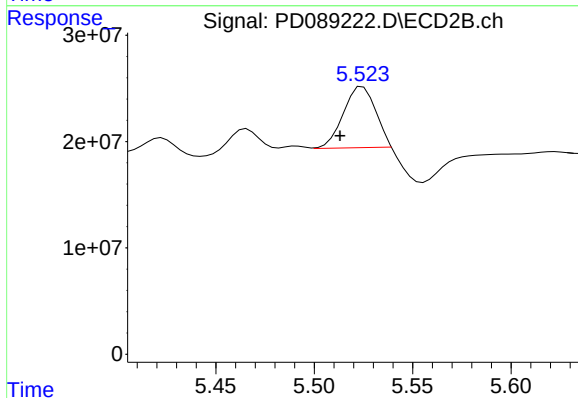
#13 Dieldrin

R.T.: 6.345 min
 Delta R.T.: -0.002 min
 Response: 10135718
 Conc: 2.11 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 TP-100

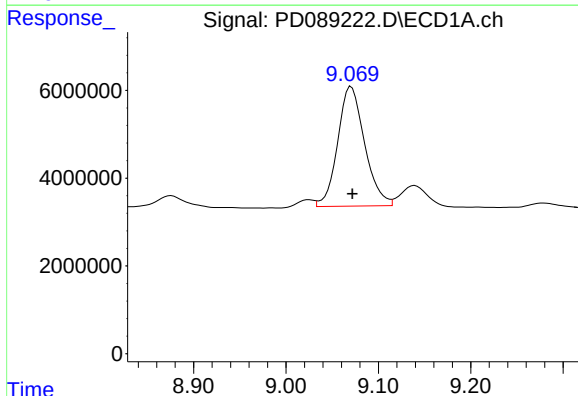
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/30/2025
 Supervised By :mohammad ahmed 07/01/2025



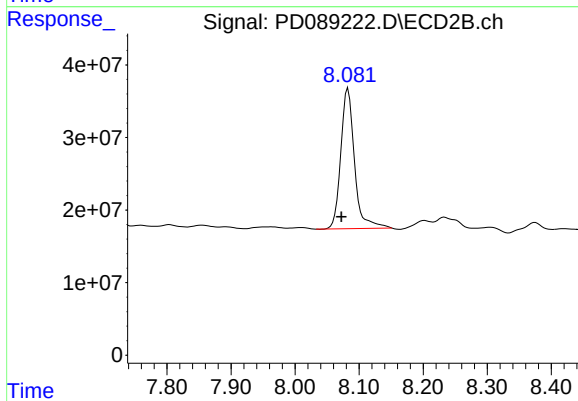
#13 Dieldrin

R.T.: 5.523 min
 Delta R.T.: 0.010 min
 Response: 65260445
 Conc: 2.81 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.069 min
 Delta R.T.: -0.003 min
 Response: 54933805
 Conc: 13.99 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.083 min
 Delta R.T.: 0.011 min
 Response: 287226531
 Conc: 14.53 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-99	SDG No.:	Q2436
Lab Sample ID:	Q2436-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	92.2 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089223.D	1	06/27/25 09:00	06/28/25 02:31	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.42	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	0.22	J	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	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	35.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.4		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.0		19 - 148	90%	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:	TP-99	SDG No.:	Q2436
Lab Sample ID:	Q2436-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	92.2 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089223.D	1	06/27/25 09:00	06/28/25 02:31	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089223.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 02:31
 Operator : AR\AJ
 Sample : Q2436-09
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-99

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/30/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 03:50:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.881	49349024	305.8E6	17.296	18.039
28) SA Decachlor...	9.070	8.070	58017216	303.9E6	14.772	15.374
Target Compounds						
12) B 4,4'-DDE	6.194	5.373	1094625	7266462	0.251	0.317m#
17) MA 4,4'-DDT	7.018	6.184	1365264	12586363	0.360m	0.621m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089223.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 02:31
Operator : AR\AJ
Sample : Q2436-09
Misc :
ALS Vial : 36 Sample Multiplier: 1

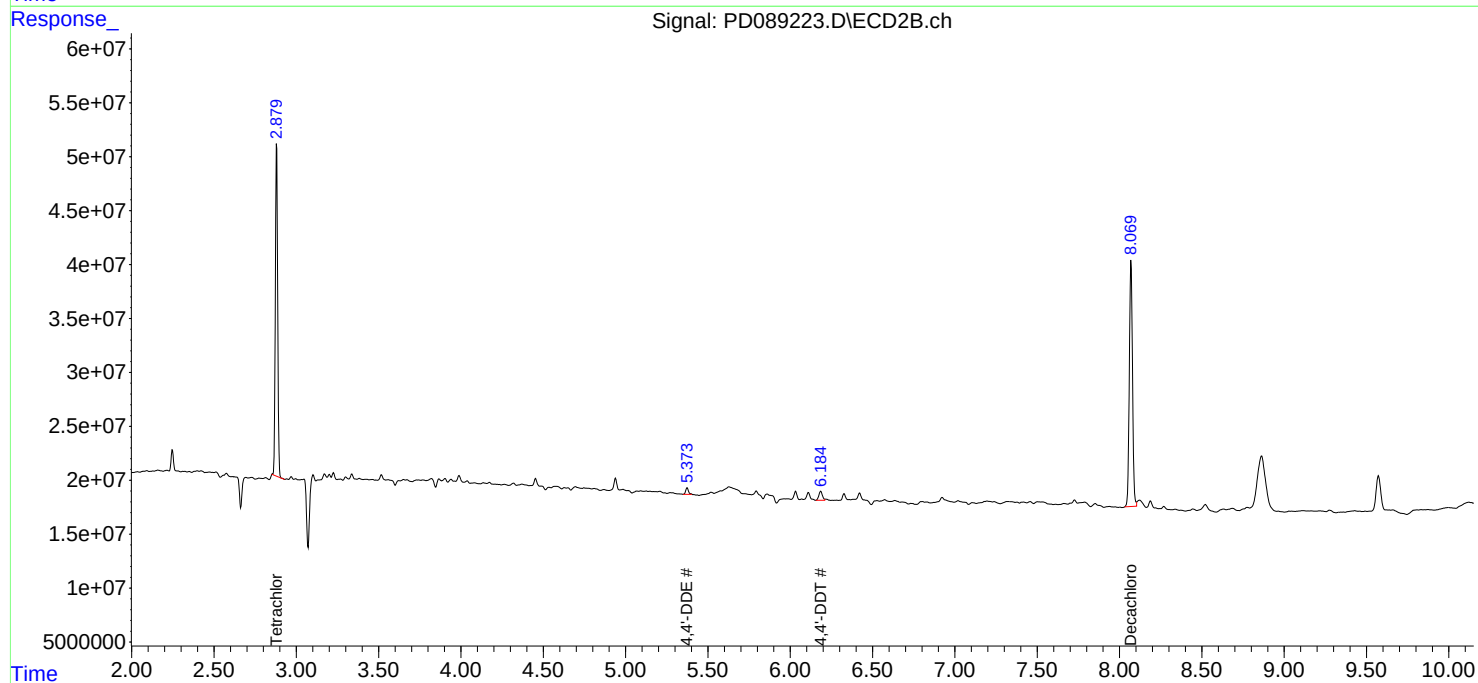
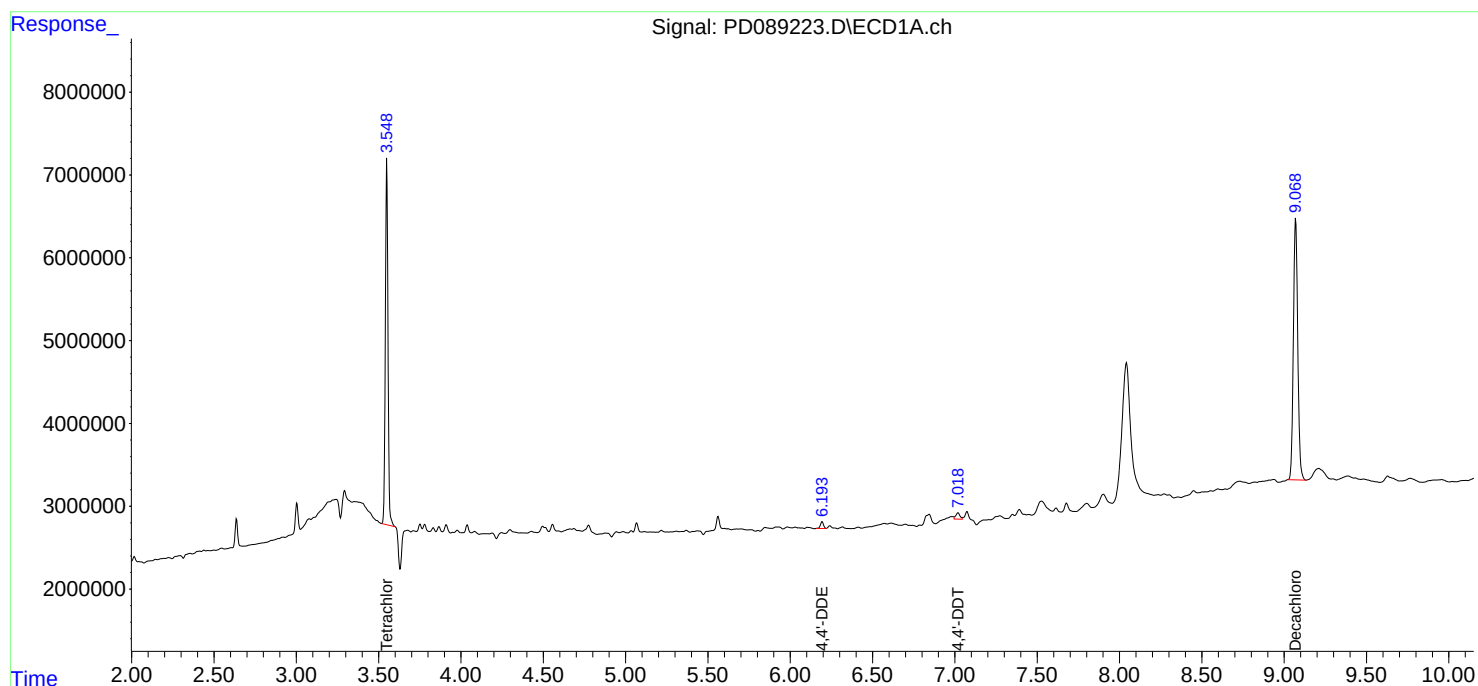
Instrument :
ECD_D
ClientSampleId :
TP-99

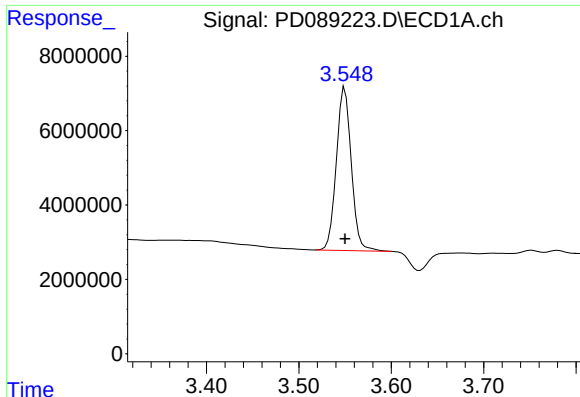
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/30/2025
Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 03:50:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





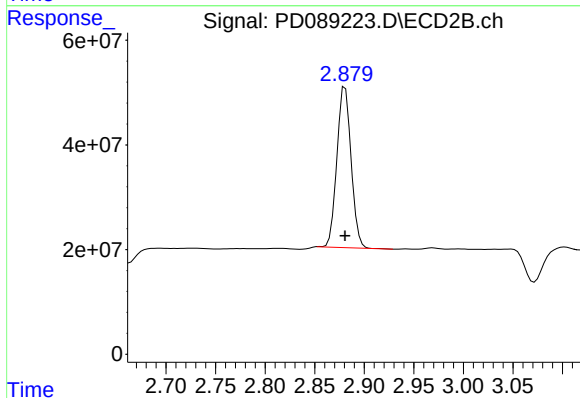
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 49349024
Conc: 17.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-99

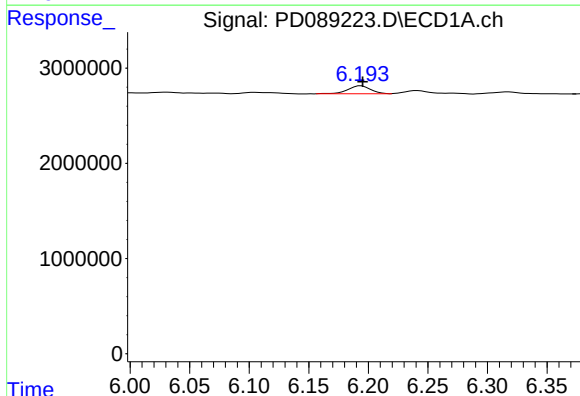
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025



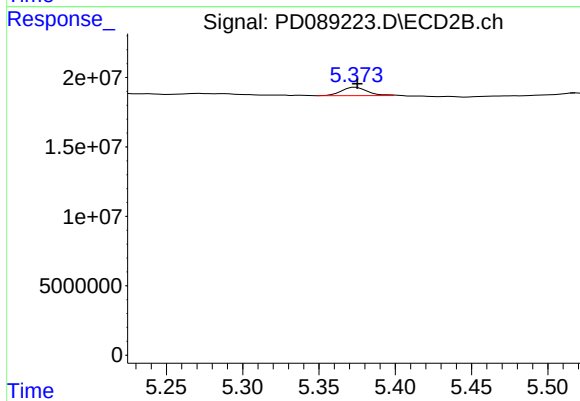
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 305816684
Conc: 18.04 ng/ml



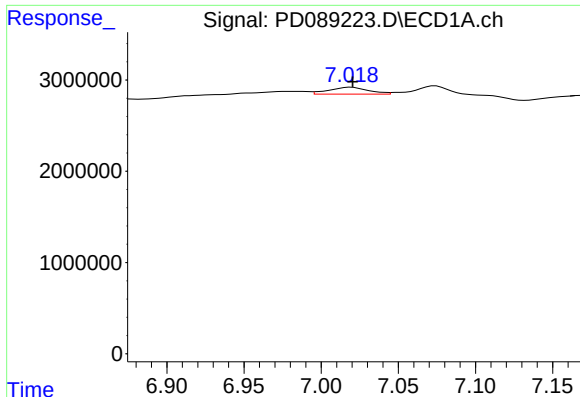
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.001 min
Response: 1094625
Conc: 0.25 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 7266462
Conc: 0.32 ng/ml m



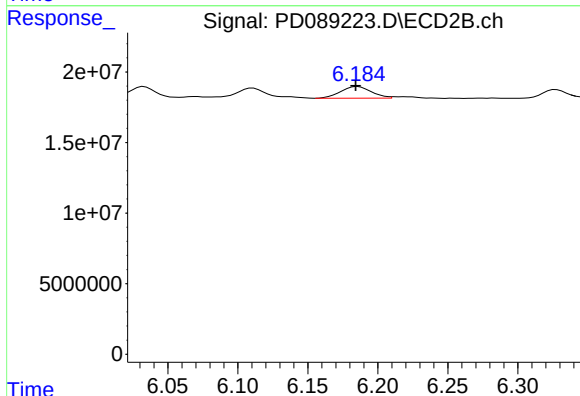
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 1365264
Conc: 0.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-99

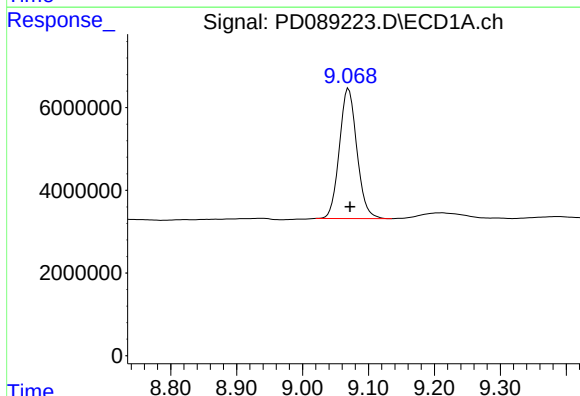
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025



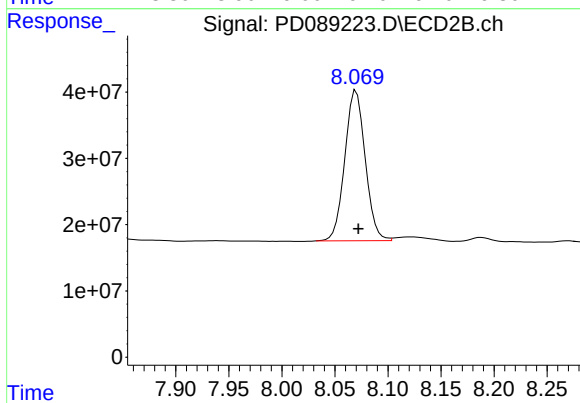
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: 0.000 min
Response: 12586363
Conc: 0.62 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 58017216
Conc: 14.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 303946119
Conc: 15.37 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-82	SDG No.:	Q2436
Lab Sample ID:	Q2436-10	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
PD089224.D	1	06/27/25 09:00	06/28/25 02:44	PB168637

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	0.20	U	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	0.33	J	0.21	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.62	J	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	2.50		0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	1.30	J	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	35.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.4		20 - 144	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		19 - 148	91%	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:	TP-82		SDG No.:	Q2436	
Lab Sample ID:	Q2436-10		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
PD089224.D	1	06/27/25 09:00	06/28/25 02:44	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089224.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 02:44
 Operator : AR\AJ
 Sample : Q2436-10
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-82

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/30/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 03:50:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.880	48331166	307.7E6	16.940	18.152
28)	SA Decachlor...	9.070	8.070	61129989	323.6E6	15.564	16.367
Target Compounds							
8)	B Heptachlo...	5.688	4.870	3914700	19786321	0.812m	0.904m
10)	B gamma-Chl...	5.945	5.124	17360915	71318654	3.626	2.981
11)	B alpha-Chl...	6.030	5.188	33485196	105.6E6	6.921	4.612 #
13)	MA Dieldrin	6.345	5.511	5908568	39939579	1.232	1.721 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 02:44
Operator : AR\AJ
Sample : Q2436-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

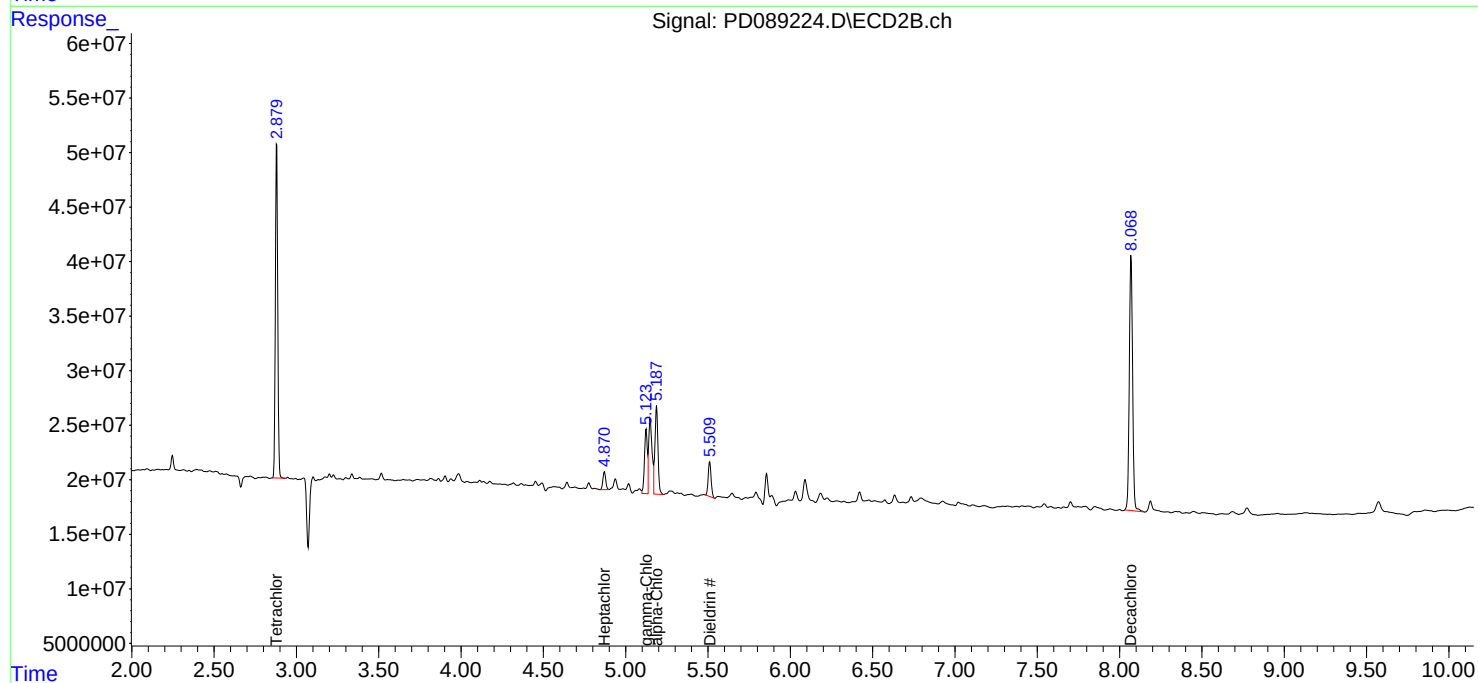
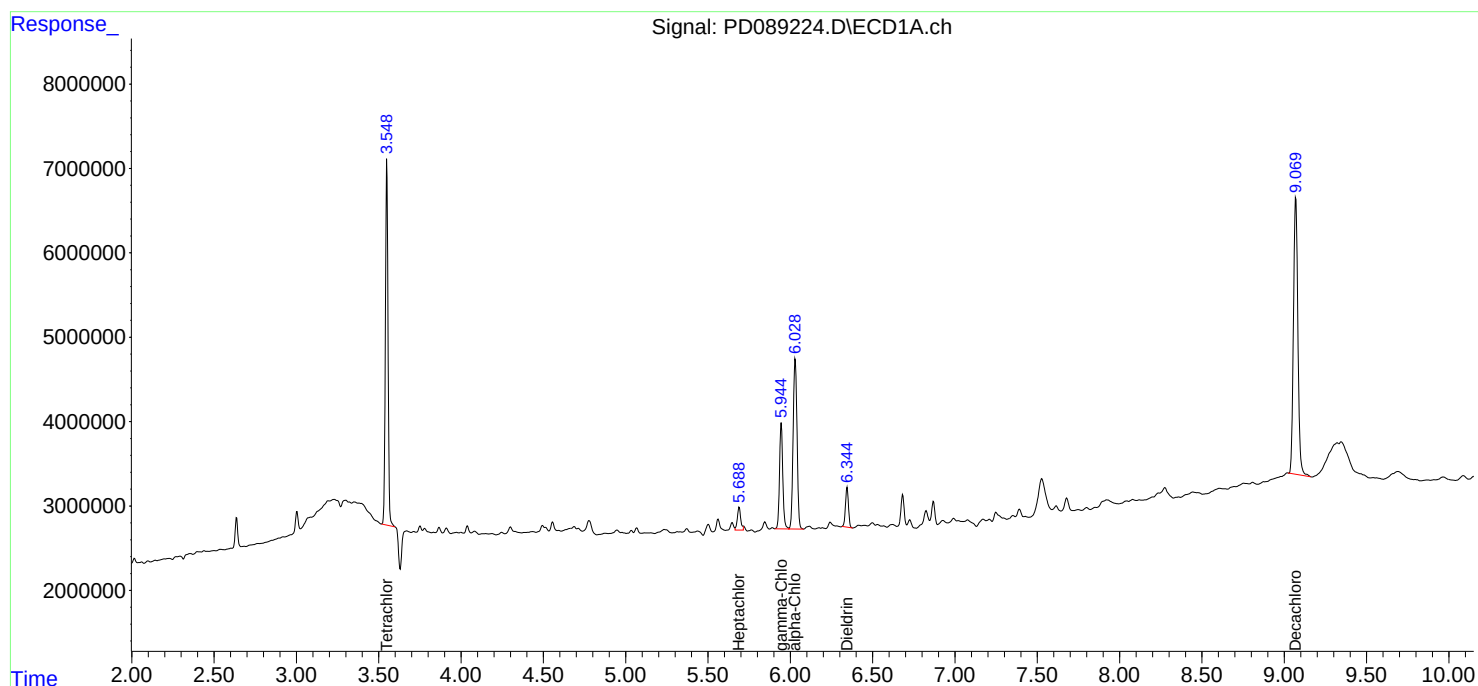
Instrument :
ECD_D
ClientSampleId :
TP-82

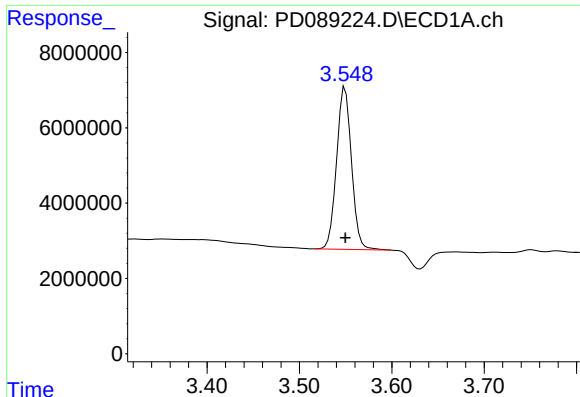
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/30/2025
Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 03:50:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





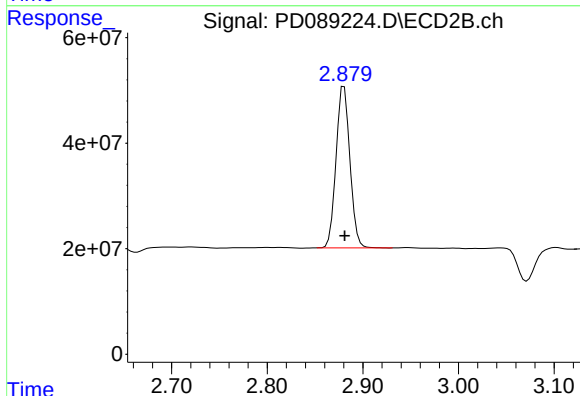
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 48331166
Conc: 16.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-82

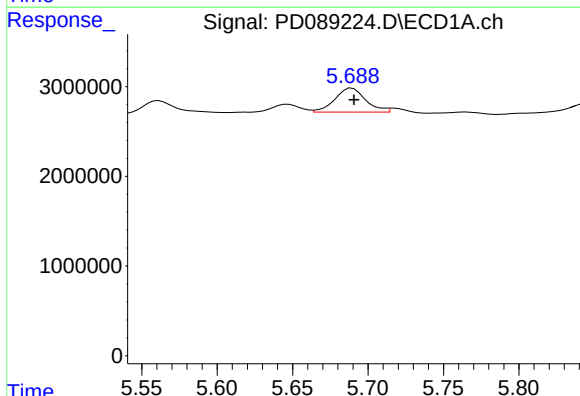
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025



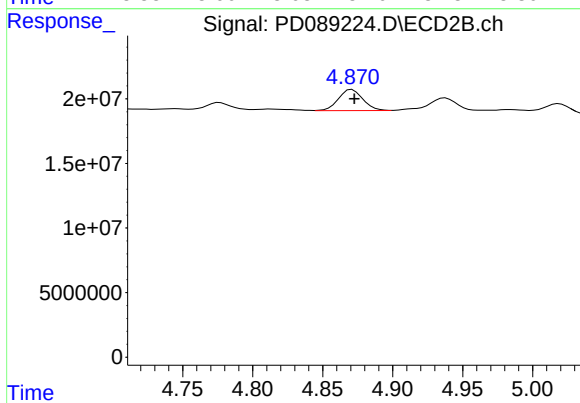
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 307732652
Conc: 18.15 ng/ml



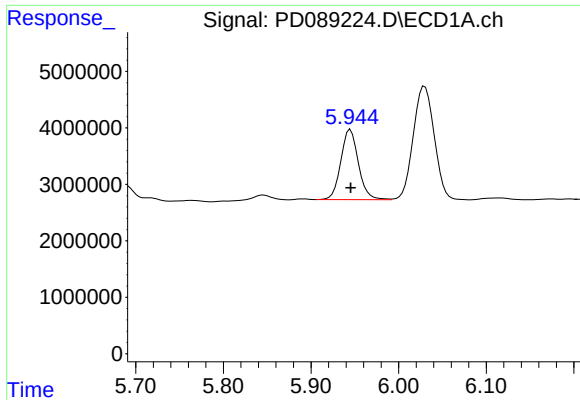
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: -0.003 min
Response: 3914700
Conc: 0.81 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: -0.003 min
Response: 19786321
Conc: 0.90 ng/ml m



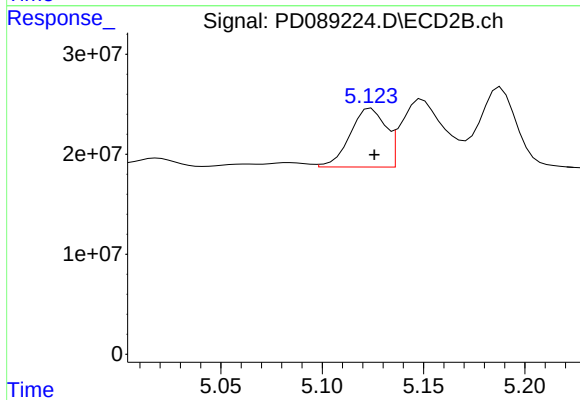
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 17360915
Conc: 3.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-82

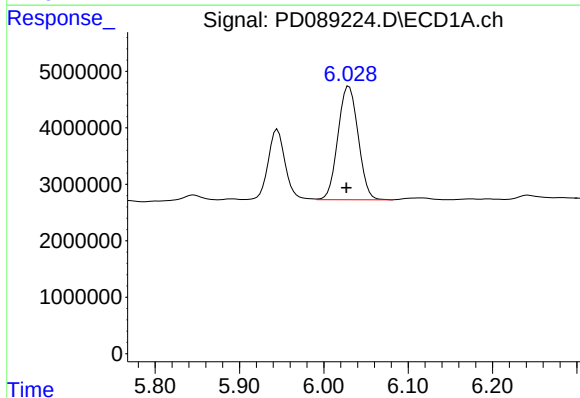
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025



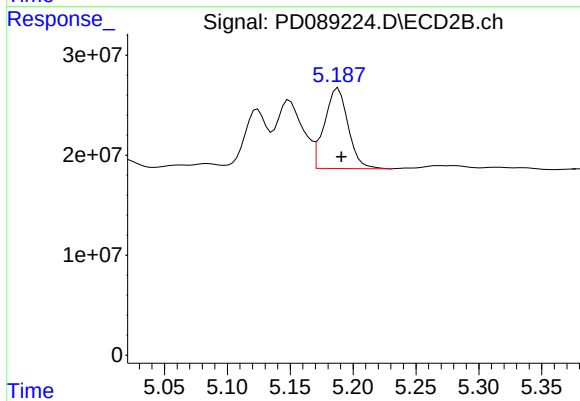
#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 71318654
Conc: 2.98 ng/ml



#11 alpha-Chlordane

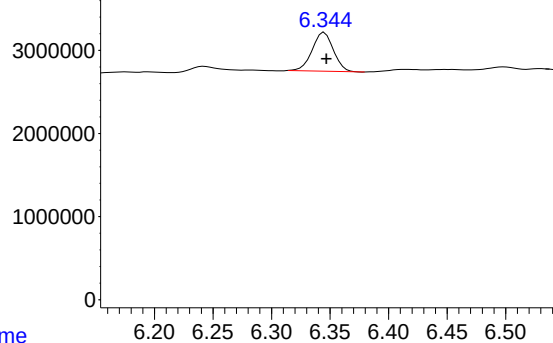
R.T.: 6.030 min
Delta R.T.: 0.003 min
Response: 33485196
Conc: 6.92 ng/ml



#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 105594233
Conc: 4.61 ng/ml

Response_ Signal: PD089224.D\ECD1A.ch



#13 Dieldrin

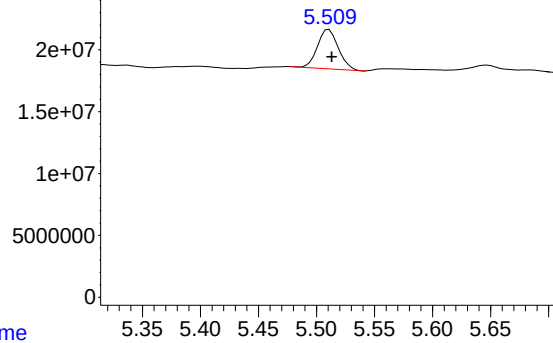
R.T.: 6.345 min
Delta R.T.: -0.002 min
Response: 5908568
Conc: 1.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-82

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025

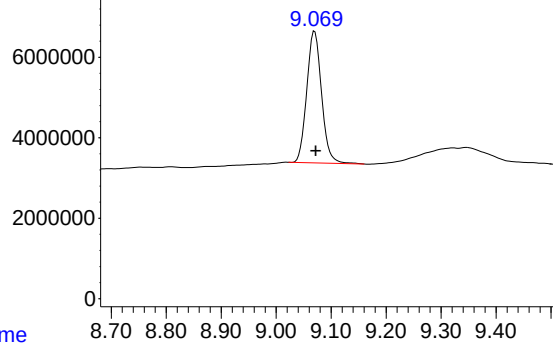
Time Response_ Signal: PD089224.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 39939579
Conc: 1.72 ng/ml

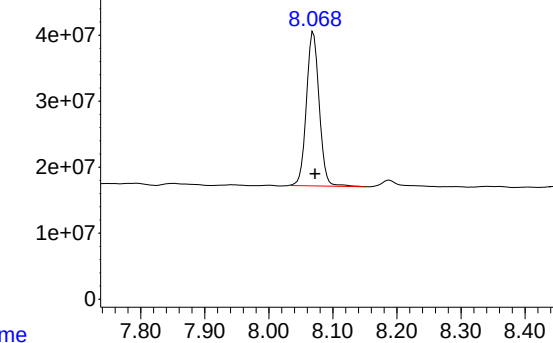
Time Response_ Signal: PD089224.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 61129989
Conc: 15.56 ng/ml

Time Response_ Signal: PD089224.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 323567387
Conc: 16.37 ng/ml



CALIBRATION SUMMARY

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

[illegible]

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02
Lab Code: CHEM **Case No.:** Q2436 **SAS No.:** Q2436 **SDG NO.:** Q2436
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.:** Q2436 **SAS No.:** Q2436 **SDG NO.:** Q2436
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



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD088993.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 15:52
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC100

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:22:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:21:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	281.2E6	1588.0E6	101.627	99.386
28)	SA Decachlor...	9.072	8.072	359.9E6	1794.6E6	95.380	97.384
Target Compounds							
2)	A alpha-BHC	3.999	3.393	629.5E6	2564.9E6	107.160	99.226
3)	MA gamma-BHC...	4.330	3.729	590.1E6	2362.3E6	106.005	99.465
4)	MA Heptachlor	4.929	4.083	562.2E6	2329.2E6	104.913	97.364
5)	MB Aldrin	5.271	4.369	550.4E6	2271.9E6	104.745	98.099
6)	B beta-BHC	4.515	4.025	213.7E6	990.4E6	99.957	97.111
7)	B delta-BHC	4.764	4.262	554.6E6	2361.4E6	107.022	98.728
8)	B Heptachlo...	5.691	4.873	479.5E6	2008.1E6	100.952	96.415
9)	A Endosulfan I	6.074	5.247	451.1E6	1917.0E6	102.235	99.248
10)	B gamma-Chl...	5.946	5.126	486.9E6	2222.9E6	103.249	98.710
11)	B alpha-Chl...	6.027	5.191	488.5E6	2119.1E6	103.177	98.241
12)	B 4,4'-DDE	6.195	5.375	456.4E6	2134.3E6	105.838	97.800
13)	MA Dieldrin	6.347	5.513	493.4E6	2143.9E6	103.861	96.917
14)	MA Endrin	6.574	5.789	423.8E6	2053.5E6	103.459	99.471
15)	B Endosulfa...	6.786	6.081	382.9E6	1847.3E6	95.682	96.784
16)	A 4,4'-DDD	6.705	5.930	355.7E6	1775.4E6	104.198	97.597
17)	MA 4,4'-DDT	7.020	6.184	392.8E6	1939.1E6	104.384	98.963
18)	B Endrin al...	6.915	6.259	296.4E6	1377.4E6	100.001	95.787
19)	B Endosulfa...	7.148	6.482	378.7E6	1792.6E6	101.211	96.935
20)	A Methoxychlor	7.493	6.755	192.6E6	971.2E6	97.699	94.672
21)	B Endrin ke...	7.629	6.992	405.0E6	1958.7E6	101.129	95.798
22)	Mirex	8.113	7.186	280.1E6	1495.3E6	96.467	95.966

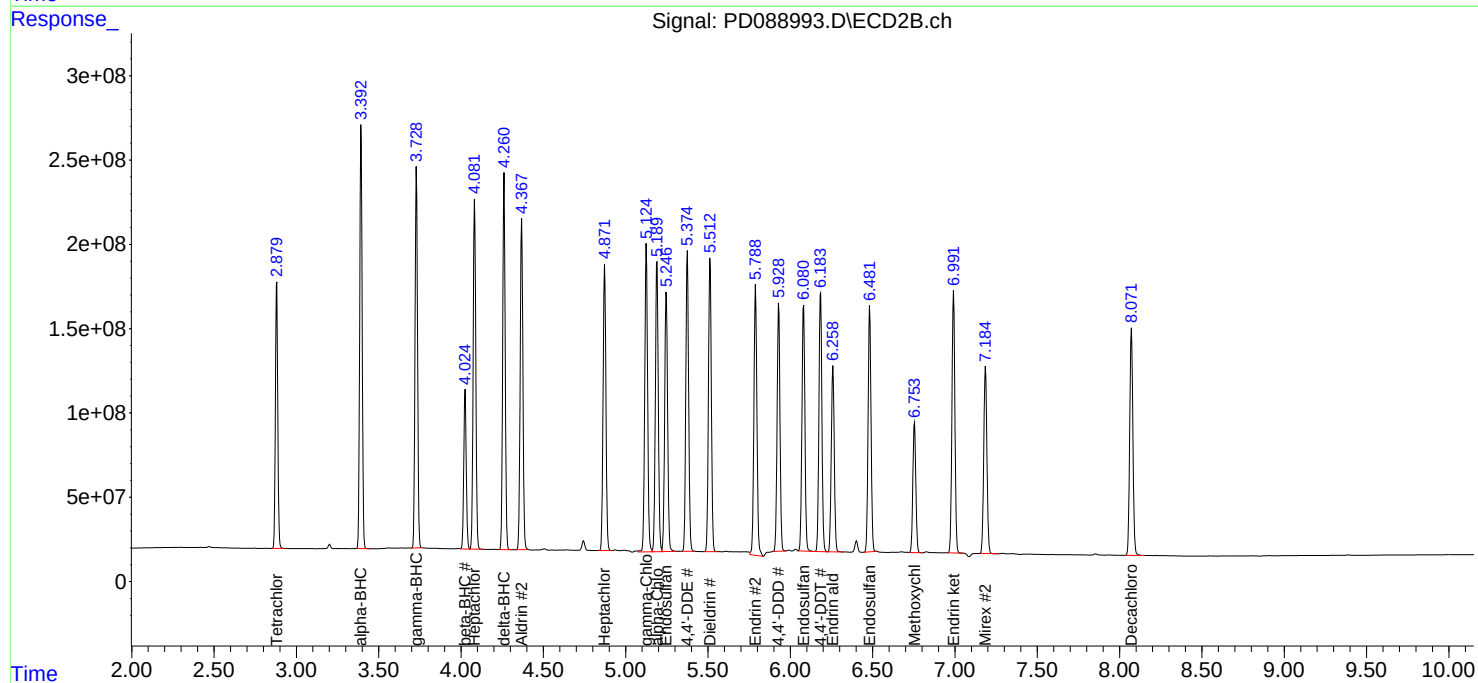
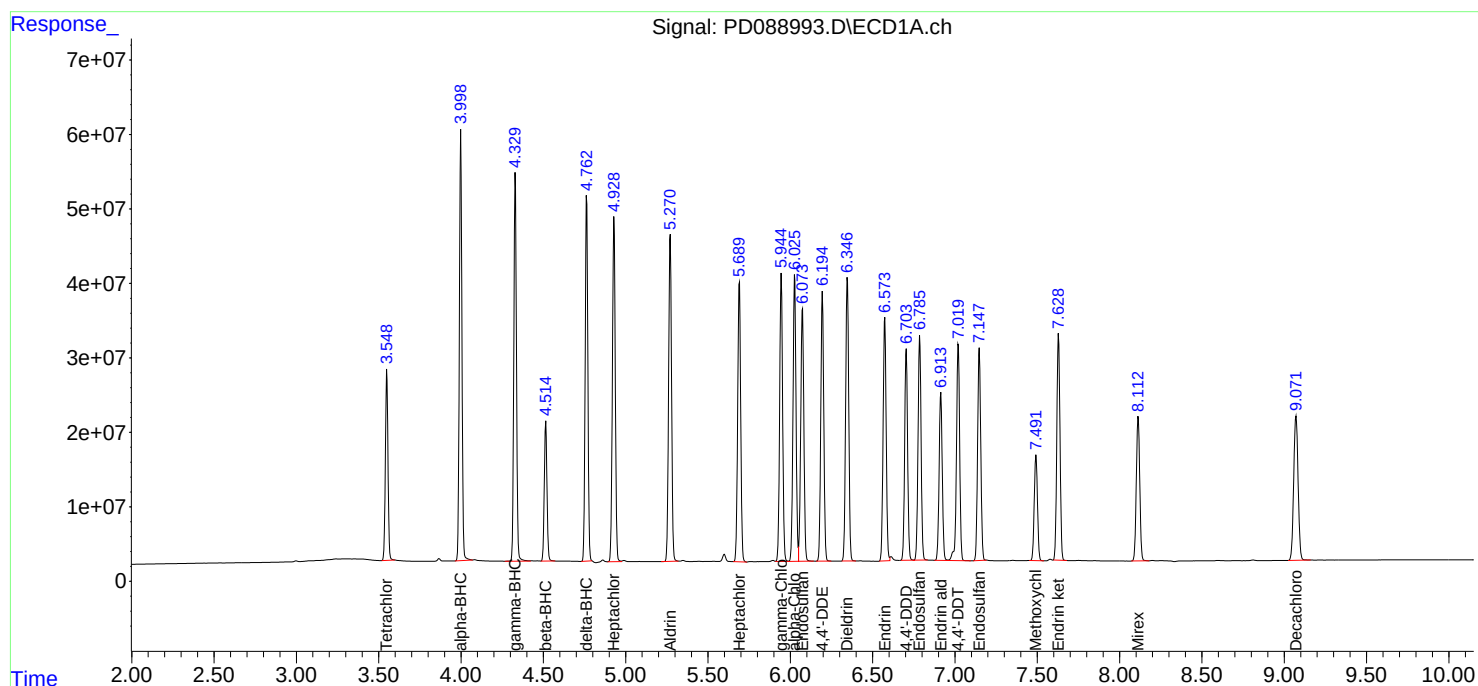
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:52
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:22:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD088994.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 16:06
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC075

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:22:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:21:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.880	207.2E6	1190.0E6	74.858	74.476
2)	SA Decachlor...	9.072	8.072	272.1E6	1345.5E6	72.117	73.010
Target Compounds							
2)	A alpha-BHC	3.999	3.393	452.4E6	1907.9E6	77.005	73.809
3)	MA gamma-BHC...	4.330	3.729	426.5E6	1758.1E6	76.616	74.028
4)	MA Heptachlor	4.929	4.082	407.2E6	1752.4E6	75.993	73.254
5)	MB Aldrin	5.271	4.369	398.4E6	1706.1E6	75.826	73.667
6)	B beta-BHC	4.515	4.025	157.6E6	743.9E6	73.708	72.943
7)	B delta-BHC	4.764	4.262	396.9E6	1765.0E6	76.587	73.793
8)	B Heptachlo...	5.690	4.872	350.5E6	1518.9E6	73.799	72.928
9)	A Endosulfan I	6.074	5.247	330.4E6	1440.1E6	74.884	74.556
10)	B gamma-Chl...	5.945	5.125	360.1E6	1651.7E6	76.355	73.345
11)	B alpha-Chl...	6.026	5.190	356.9E6	1585.9E6	75.384	73.520
12)	B 4,4'-DDE	6.195	5.375	330.1E6	1608.0E6	76.545	73.682
13)	MA Dieldrin	6.346	5.513	359.8E6	1621.7E6	75.739	73.309
14)	MA Endrin	6.574	5.789	308.2E6	1493.0E6	75.240	72.319
15)	B Endosulfa...	6.785	6.080	298.7E6	1393.0E6	74.627	72.983
16)	A 4,4'-DDD	6.704	5.929	257.9E6	1342.5E6	75.552	73.799
17)	MA 4,4'-DDT	7.020	6.183	285.1E6	1449.6E6	75.769	73.981
18)	B Endrin al...	6.914	6.259	220.2E6	1044.0E6	74.277	72.605
19)	B Endosulfa...	7.149	6.482	278.9E6	1353.3E6	74.530	73.179
20)	A Methoxychlor	7.493	6.754	143.9E6	742.3E6	73.000	72.360
21)	B Endrin ke...	7.629	6.991	297.8E6	1486.9E6	74.361	72.720
22)	Mirex	8.113	7.185	210.7E6	1130.6E6	72.582	72.559

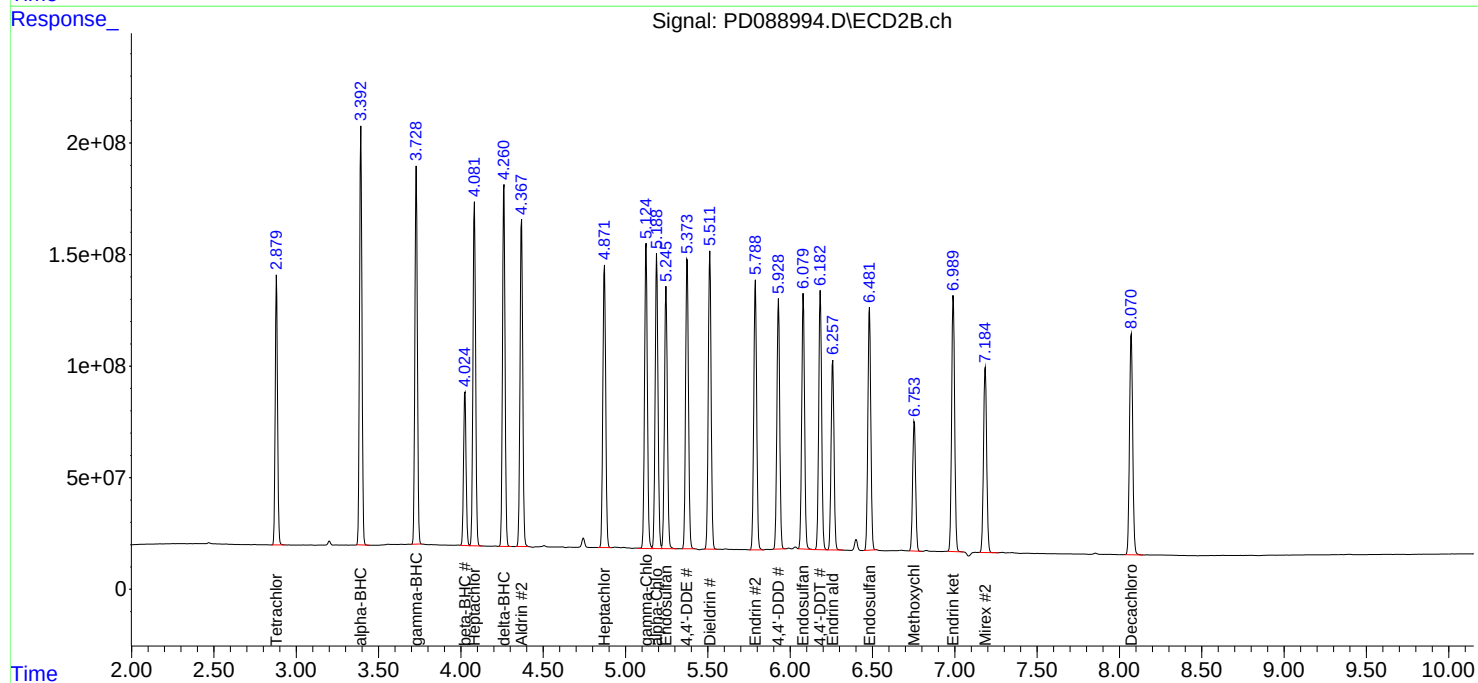
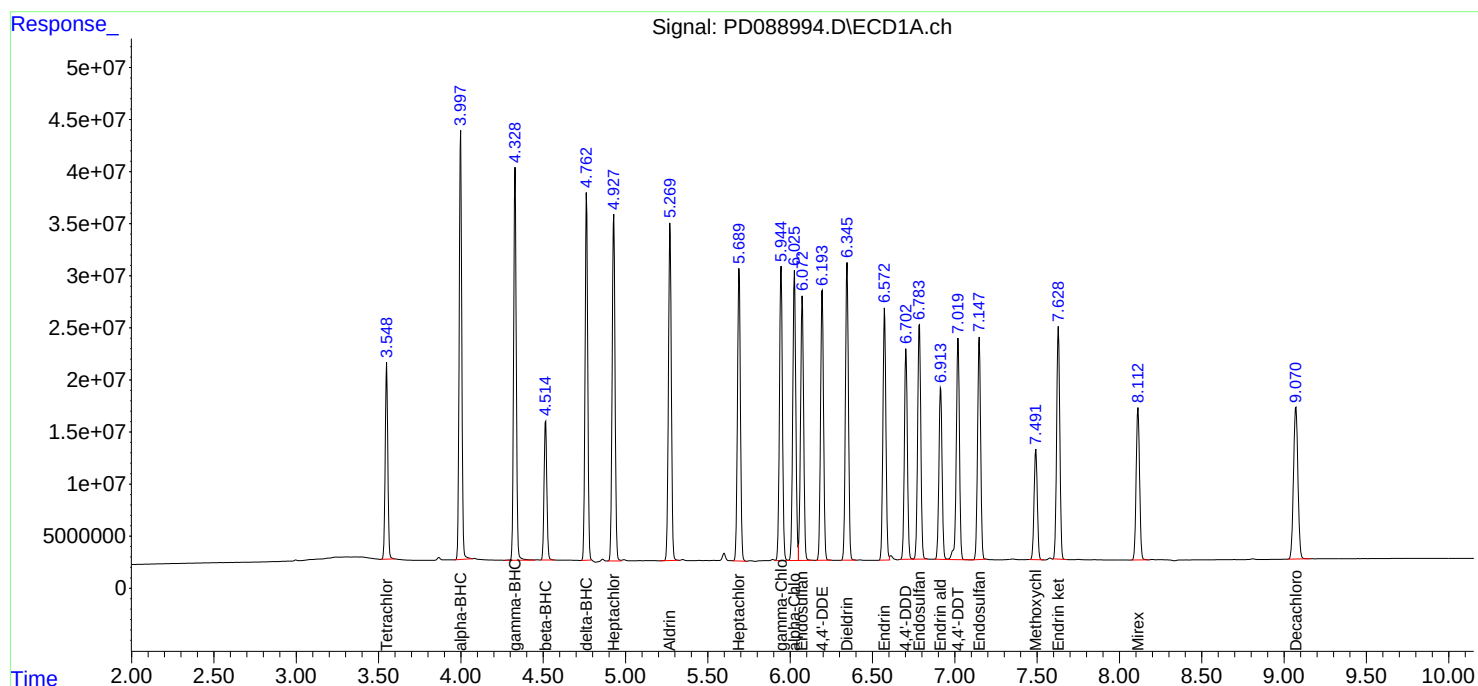
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:06
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:22:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD088995.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 16:20
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:23:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:21:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.880	138.4E6	798.9E6	50.000	50.000
28)	SA Decachlor...	9.072	8.072	188.7E6	921.4E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.999	3.393	293.7E6	1292.5E6	50.000	50.000
3)	MA gamma-BHC...	4.330	3.730	278.3E6	1187.5E6	50.000	50.000
4)	MA Heptachlor	4.929	4.083	267.9E6	1196.1E6	50.000	50.000
5)	MB Aldrin	5.271	4.369	262.7E6	1158.0E6	50.000	50.000
6)	B beta-BHC	4.515	4.026	106.9E6	509.9E6	50.000	50.000
7)	B delta-BHC	4.764	4.262	259.1E6	1195.9E6	50.000	50.000
8)	B Heptachlo...	5.691	4.873	237.5E6	1041.4E6	50.000	50.000
9)	A Endosulfan I	6.075	5.247	220.6E6	965.8E6	50.000	50.000
10)	B gamma-Chl...	5.946	5.126	235.8E6	1126.0E6	50.000	50.000
11)	B alpha-Chl...	6.027	5.191	236.7E6	1078.5E6	50.000	50.000
12)	B 4,4'-DDE	6.196	5.375	215.6E6	1091.2E6	50.000	50.000
13)	MA Dieldrin	6.347	5.513	237.5E6	1106.0E6	50.000	50.000
14)	MA Endrin	6.575	5.789	204.8E6	1032.2E6	50.000	50.000
15)	B Endosulfa...	6.786	6.081	200.1E6	954.4E6	50.000	50.000
16)	A 4,4'-DDD	6.705	5.930	170.7E6	909.6E6	50.000	50.000
17)	MA 4,4'-DDT	7.021	6.184	188.2E6	979.7E6	50.000	50.000
18)	B Endrin al...	6.915	6.259	148.2E6	719.0E6	50.000	50.000
19)	B Endosulfa...	7.149	6.483	187.1E6	924.6E6	50.000	50.000
20)	A Methoxychlor	7.493	6.755	98574001	513.0E6	50.000	50.000
21)	B Endrin ke...	7.630	6.992	200.2E6	1022.3E6	50.000	50.000
22)	Mirex	8.114	7.186	145.2E6	779.1E6	50.000	50.000

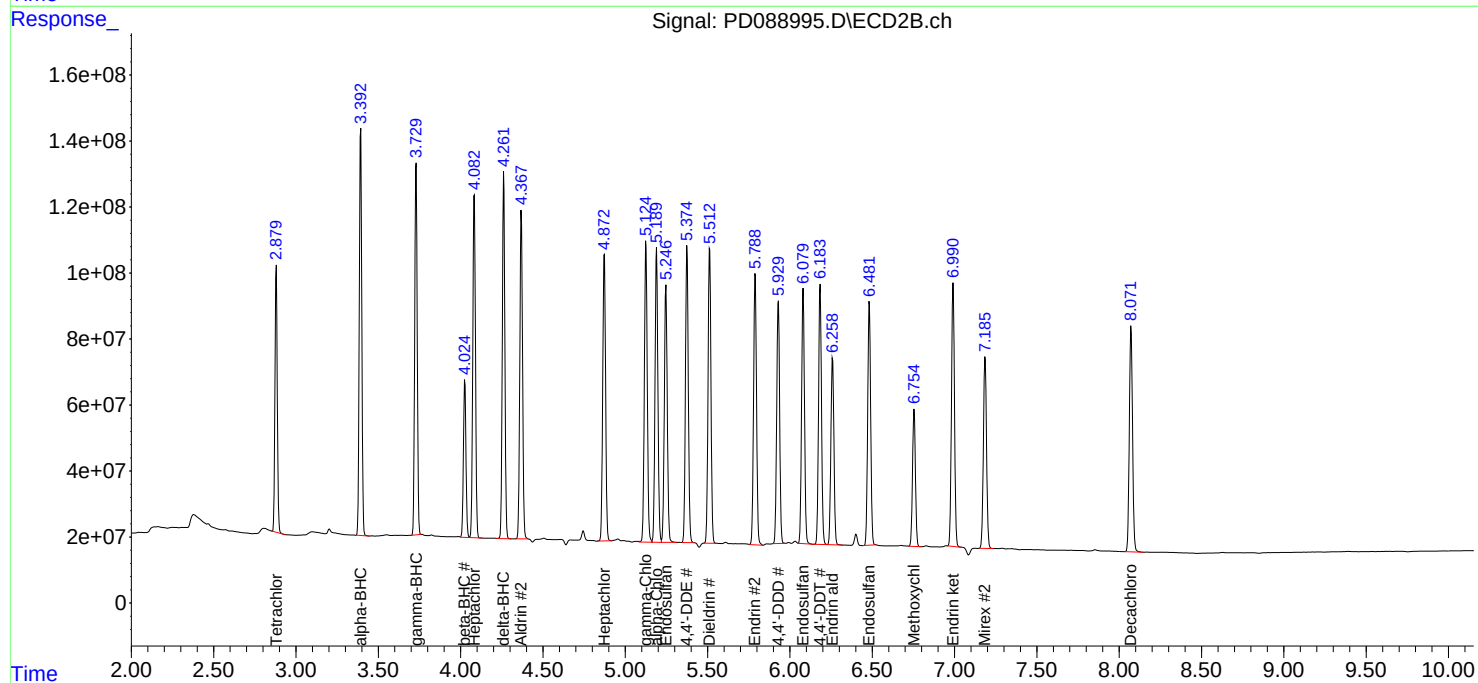
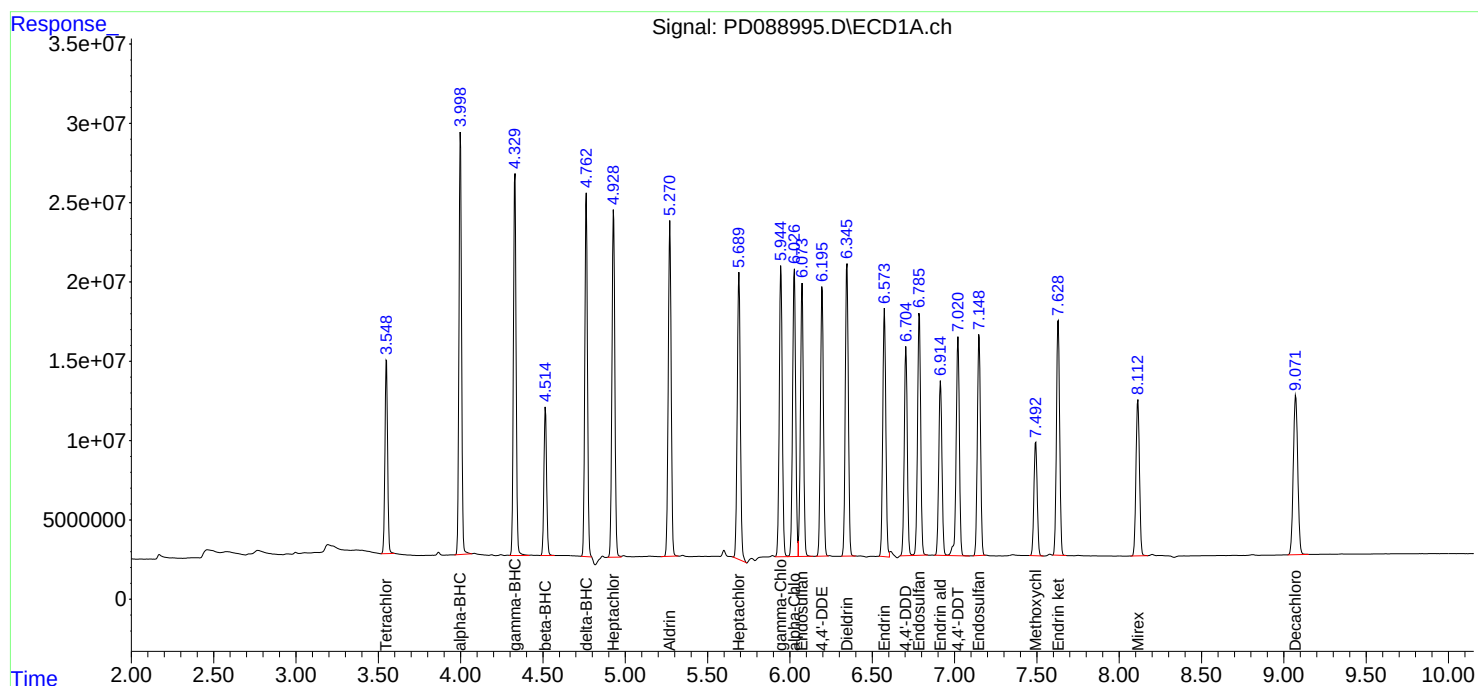
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:20
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD088996.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 16:33
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC025

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/18/2025

Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:23:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:21:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.881	68795424	418.3E6	24.860	26.178
28)	SA Decachlor...	9.072	8.072	97448897	485.7E6	25.827	26.355
Target Compounds							
2)	A alpha-BHC	3.999	3.393	135.4E6	653.8E6	23.056	25.294
3)	MA gamma-BHC...	4.330	3.729	130.5E6	605.5E6	23.451	25.496
4)	MA Heptachlor	4.929	4.083	127.9E6	617.9E6	23.870	25.830
5)	MB Aldrin	5.271	4.368	124.7E6	596.3E6	23.737	25.748
6)	B beta-BHC	4.515	4.025	53616740	265.6E6	25.082	26.044
7)	B delta-BHC	4.763	4.261	118.8E6	607.5E6	22.920	25.397
8)	B Heptachlo...	5.690	4.872	113.9E6	542.4E6	23.974	26.042
9)	A Endosulfan I	6.074	5.247	107.2E6	518.8E6	24.301	26.860
10)	B gamma-Chl...	5.945	5.125	112.7E6	587.3E6	23.901	26.082
11)	B alpha-Chl...	6.026	5.190	114.6E6	562.9E6	24.207	26.097
12)	B 4,4'-DDE	6.195	5.375	102.3E6	564.1E6	23.724	25.848
13)	MA Dieldrin	6.346	5.513	113.2E6	573.5E6	23.828	25.928
14)	MA Endrin	6.574	5.787	96953033	531.9E6	23.668	25.765m
15)	B Endosulfa...	6.786	6.080	95412213	500.1E6	23.841	26.199
16)	A 4,4'-DDD	6.704	5.929	80716755	470.1E6	23.642	25.845
17)	MA 4,4'-DDT	7.020	6.183	89516720	500.1E6	23.786	25.525
18)	B Endrin al...	6.914	6.258	74170726	379.9E6	25.022	26.419
19)	B Endosulfa...	7.148	6.481	91685883	485.2E6	24.504	26.239
20)	A Methoxychlor	7.492	6.753	49551931	270.8E6	25.134	26.394
21)	B Endrin ke...	7.629	6.990	97399015	538.4E6	24.320	26.331
22)	Mirex	8.113	7.184	74764205	414.2E6	25.753	26.583

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC025

Manual Integrations

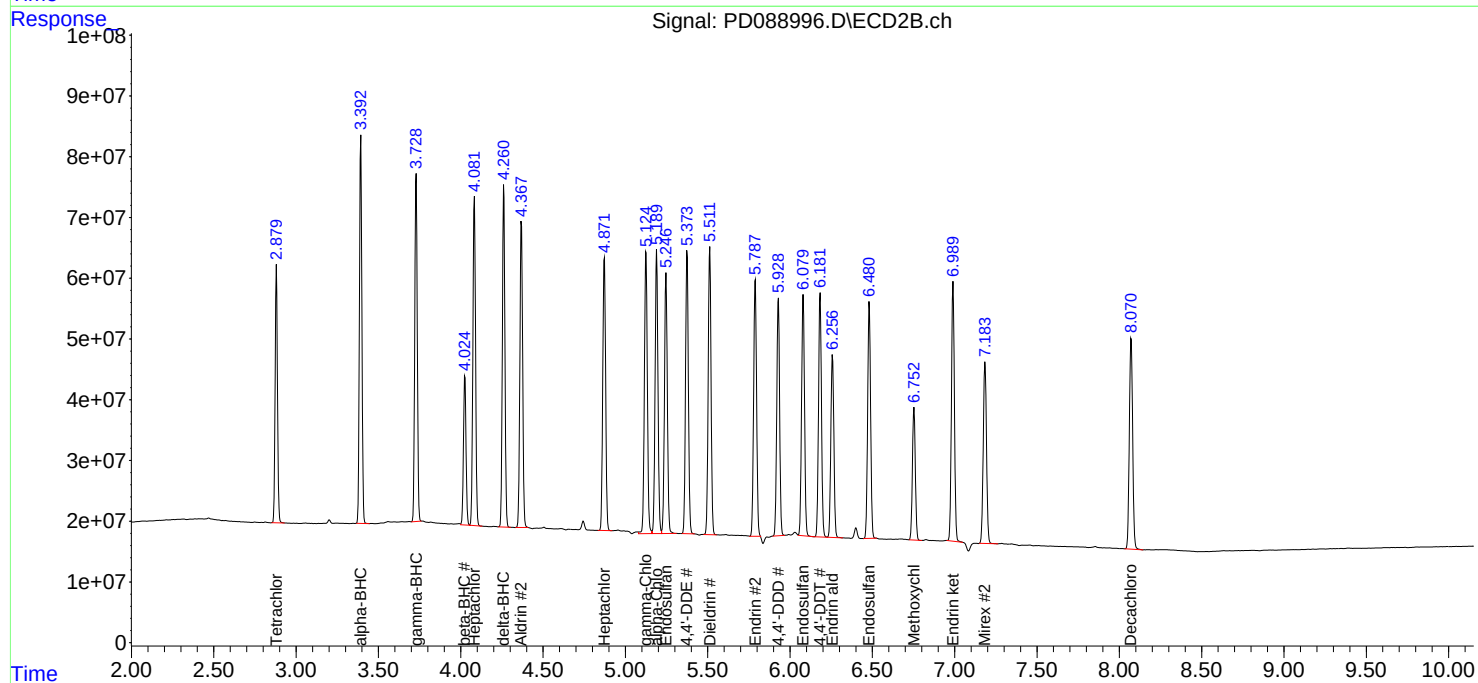
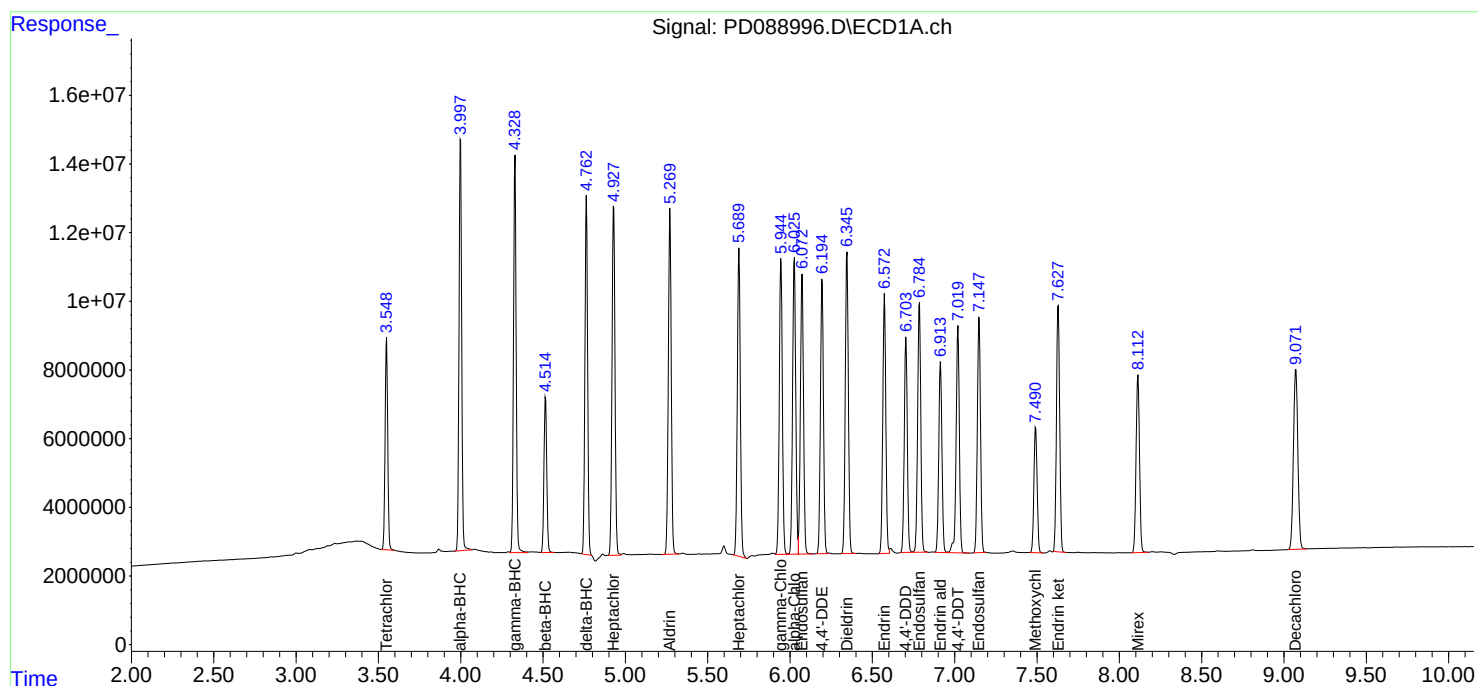
APPROVED

Reviewed By :Abdul Mirza 06/18/2025

Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD088997.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 16:47
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/18/2025
 Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:23:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:21:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.880	15861136	101.6E6	5.732	6.356
2) SA Decachlor...	9.073	8.072	23699682	125.5E6	6.281	6.812
Target Compounds						
2) A alpha-BHC	3.999	3.393	27627643	154.5E6	4.703	5.976 #
3) MA gamma-BHC...	4.330	3.729	27664017	143.7E6	4.970	6.052
4) MA Heptachlor	4.929	4.083	28667725	149.5E6	5.350	6.249
5) MB Aldrin	5.270	4.368	27520008	143.0E6	5.237	6.176
6) B beta-BHC	4.515	4.025	12578663	65433774	5.884	6.416
7) B delta-BHC	4.763	4.262	24463430	145.0E6	4.721	6.063 #
8) B Heptachlo...	5.690	4.873	26734361	133.2E6	5.629	6.394
9) A Endosulfan I	6.074	5.247	24592339	128.9E6	5.573	6.671
10) B gamma-Chl...	5.946	5.126	25225085	146.7E6	5.349	6.516
11) B alpha-Chl...	6.026	5.190	26148512	140.3E6	5.523	6.504
12) B 4,4'-DDE	6.194	5.375	22175565	137.0E6	5.142	6.280
13) MA Dieldrin	6.346	5.512	24894050	139.6E6	5.241	6.311
14) MA Endrin	6.573	5.787	21528490	131.0E6	5.255	6.347m
15) B Endosulfa...	6.785	6.080	22765018	124.2E6	5.688	6.509
16) A 4,4'-DDD	6.704	5.929	17603896	115.0E6	5.156	6.321
17) MA 4,4'-DDT	7.020	6.183	19332472	115.4E6	5.137	5.889
18) B Endrin al...	6.914	6.259	17443585	96439397	5.885	6.707
19) B Endosulfa...	7.149	6.482	21359951	121.2E6	5.709	6.553
20) A Methoxychlor	7.493	6.754	11522878	65700483	5.845	6.404
21) B Endrin ke...	7.630	6.990	22217957	133.1E6	5.548	6.508m
22) Mirex	8.113	7.185	18484356	106.1E6	6.367	6.807

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

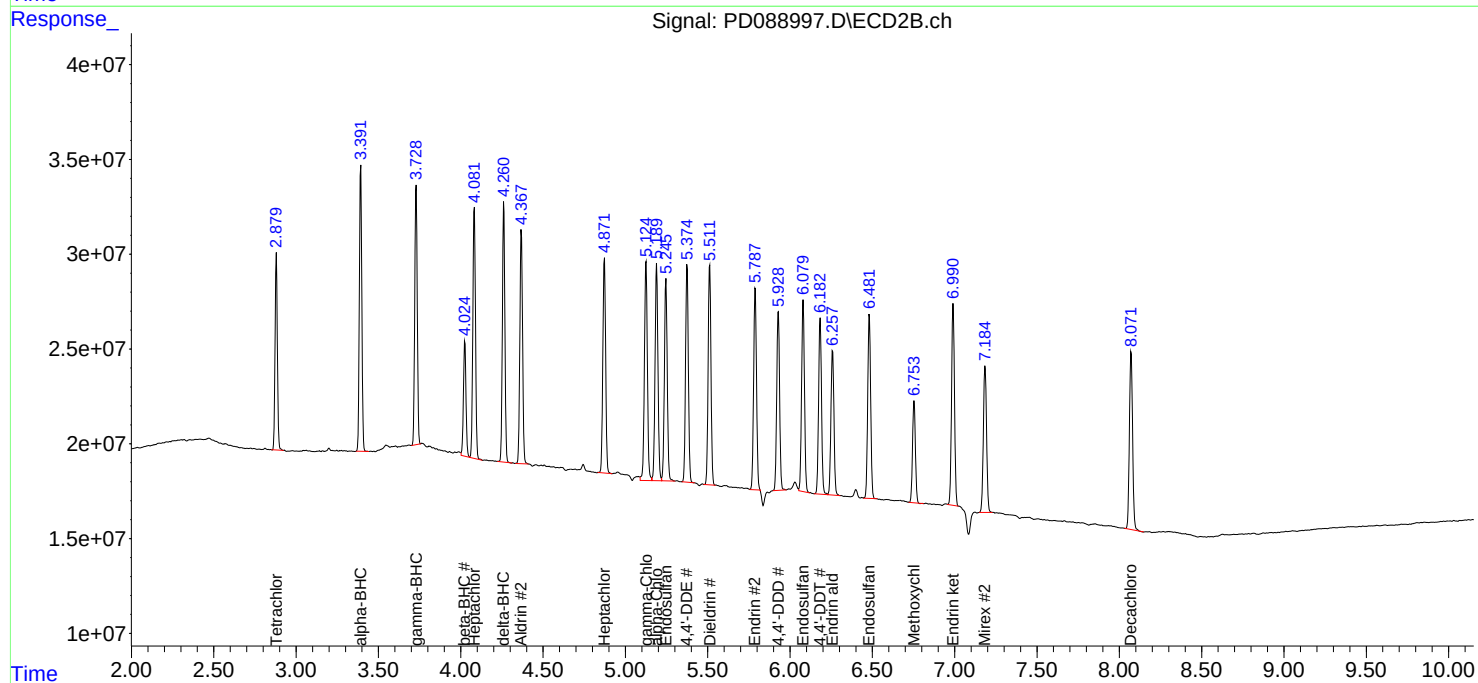
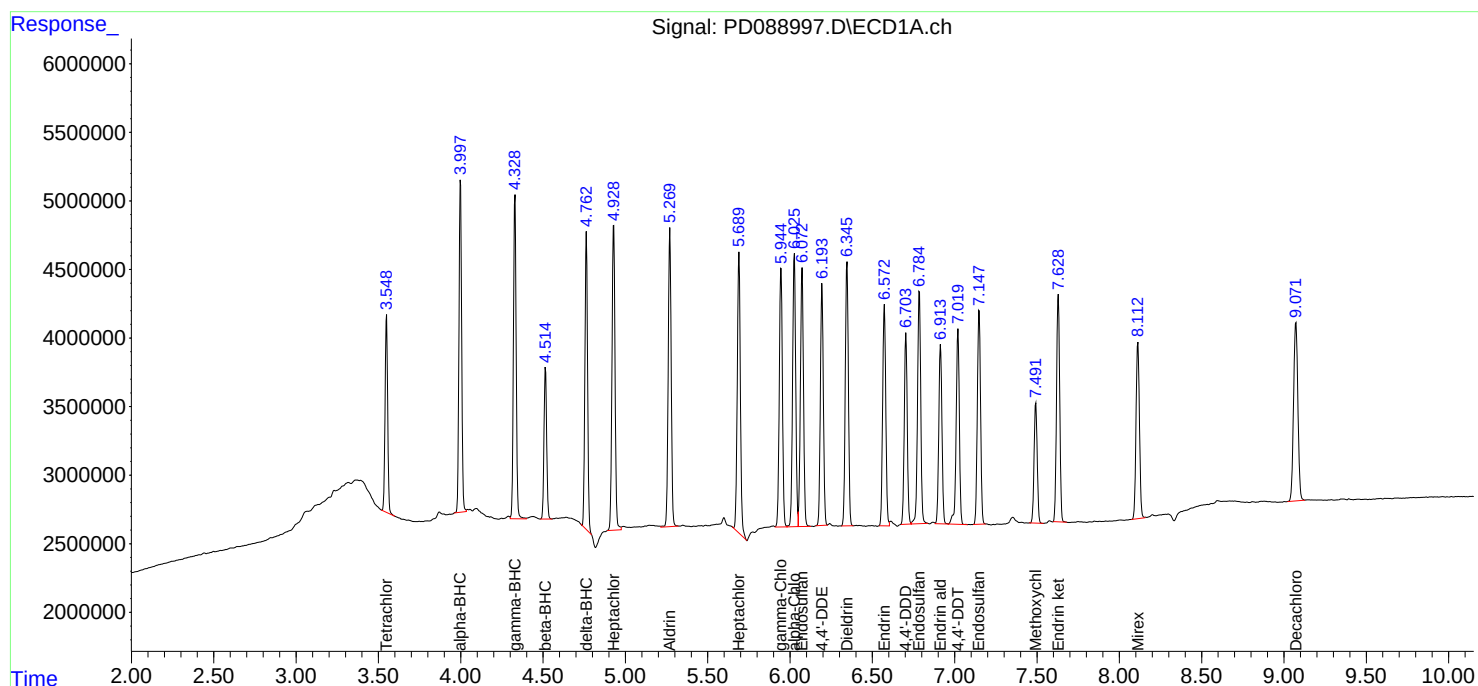
APPROVED

Reviewed By :Abdul Mirza 06/18/2025

Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD089000.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 17:28
 Operator : AR\AJ
 Sample : PCHLORICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PCHLORICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 04:59:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 04:57:57 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.880	127.0E6	1003.3E6	50.000	50.000
28)	SA Decachlor...	9.072	8.072	175.3E6	940.3E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.715	3.905	103.3E6	448.7E6	500.000	500.000
24)	Chlordane-2	5.241	4.487	103.7E6	451.9E6	500.000	500.000
25)	Chlordane-3	5.946	5.126	425.8E6	1413.2E6	500.000	500.000
26)	Chlordane-4	6.032	5.190	511.2E6	1191.6E6	500.000	500.000
27)	Chlordane-5	6.870	6.090	88549137	546.3E6	500.000	500.000

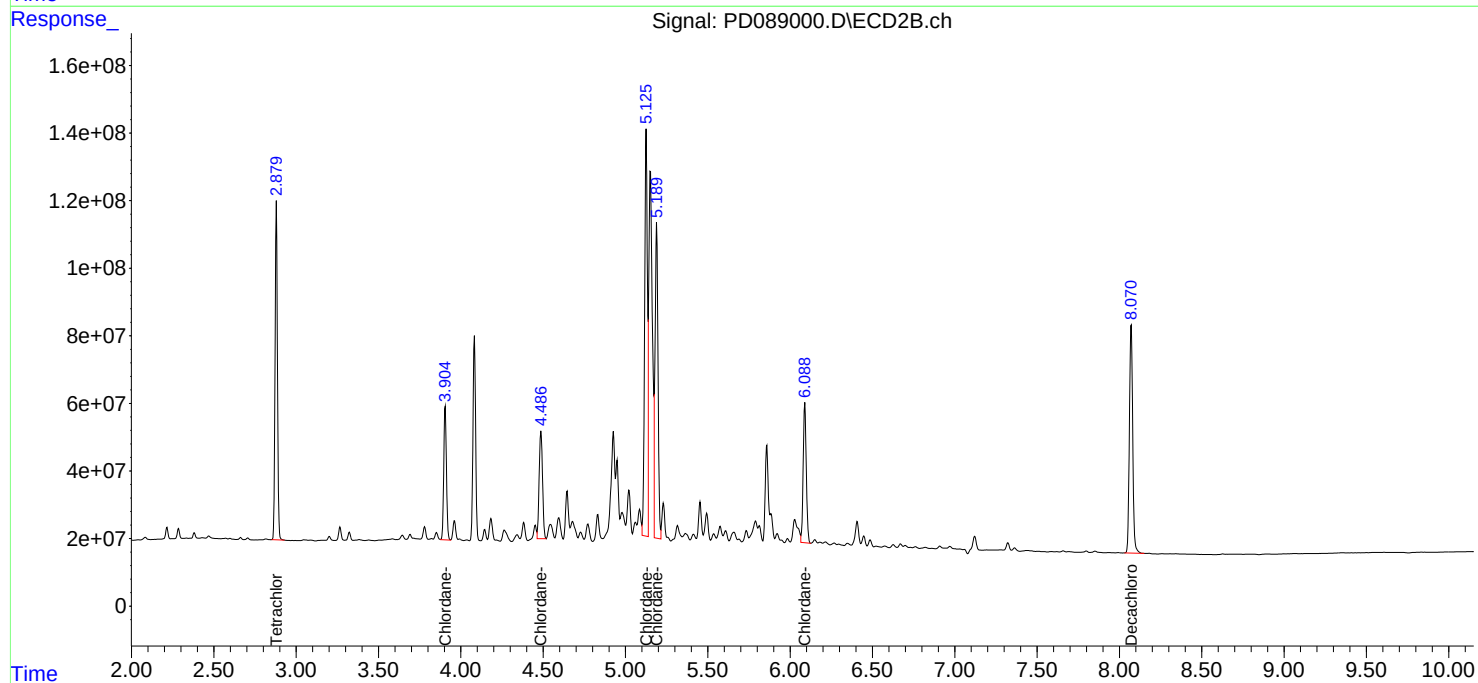
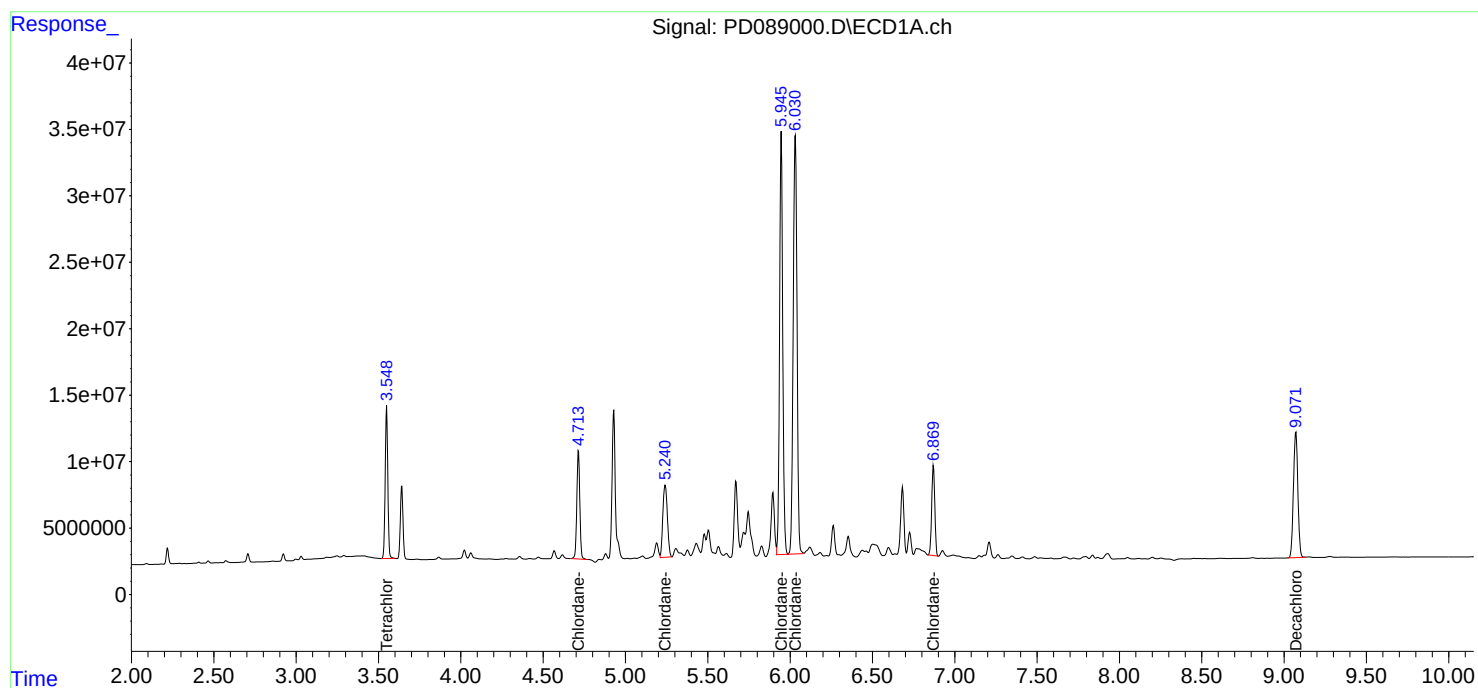
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 17:28
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 04:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:57:57 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD089005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 18:36
 Operator : AR\AJ
 Sample : PTOXICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PTOXICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 04:30:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 04:29:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

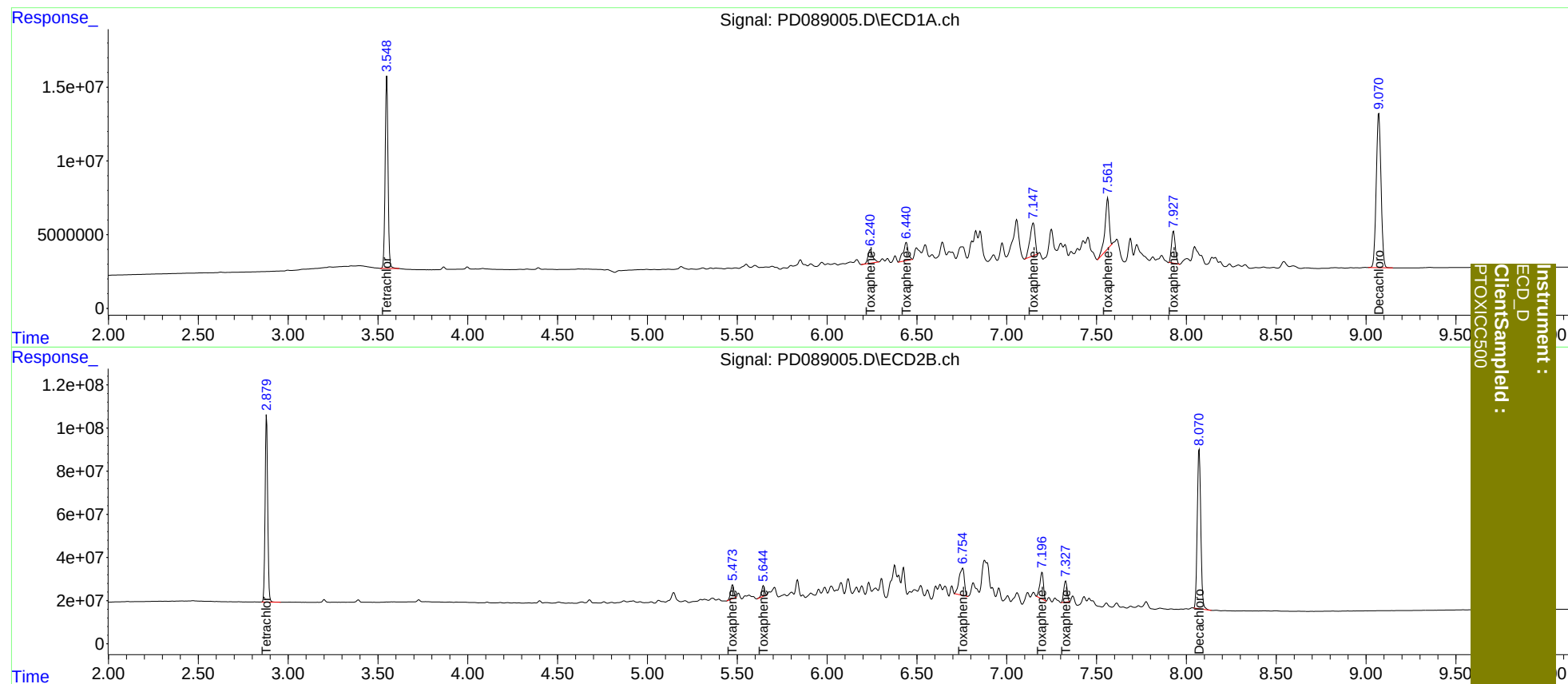
System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.880	143.6E6	868.2E6	50.000	50.000
7) SA Decachlor...	9.071	8.071	194.1E6	1009.6E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.241	5.474	16800895	79079940	500.000	500.000
3) Toxaphene-2	6.441	5.646	23764296	54409973	500.000	500.000
4) Toxaphene-3	7.148	6.755	43646368	255.9E6	500.000	500.000
5) Toxaphene-4	7.562	7.197	55678343	175.1E6	500.000	500.000
6) Toxaphene-5	7.928	7.328	31556310	127.0E6	500.000	500.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 18:36
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 04:30:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:29:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD089008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 19:17
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICPD061825

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:46:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.880	139.5E6	848.9E6	48.909	50.072
28)	SA Decachlor...	9.072	8.073	188.5E6	996.5E6	47.986	50.403
Target Compounds							
2)	A alpha-BHC	3.999	3.393	295.8E6	1350.4E6	50.737	50.394
3)	MA gamma-BHC...	4.330	3.729	280.5E6	1249.3E6	50.254	50.462
4)	MA Heptachlor	4.929	4.082	270.9E6	1252.2E6	49.682	50.010
5)	MB Aldrin	5.271	4.368	265.0E6	1218.5E6	49.876	50.317
6)	B beta-BHC	4.515	4.025	107.7E6	537.8E6	48.800	50.043
7)	B delta-BHC	4.764	4.262	261.5E6	1252.0E6	50.946	50.333
8)	B Heptachlo...	5.691	4.872	235.4E6	1093.7E6	48.806	49.946
9)	A Endosulfan I	6.075	5.247	222.0E6	1045.8E6	49.252	50.175
10)	B gamma-Chl...	5.946	5.126	237.3E6	1184.2E6	49.570	49.500
11)	B alpha-Chl...	6.027	5.190	238.3E6	1135.5E6	49.257	49.590
12)	B 4,4'-DDE	6.195	5.375	217.6E6	1145.1E6	49.901	49.970
13)	MA Dieldrin	6.347	5.513	238.9E6	1159.0E6	49.793	49.940
14)	MA Endrin	6.574	5.790	203.1E6	1100.0E6	49.223	50.657
15)	B Endosulfa...	6.786	6.081	195.6E6	1002.6E6	48.453	49.643
16)	A 4,4'-DDD	6.705	5.930	170.0E6	955.9E6	49.526	49.972
17)	MA 4,4'-DDT	7.021	6.184	188.0E6	1027.1E6	49.627	50.650
18)	B Endrin al...	6.915	6.259	149.8E6	759.8E6	48.894	49.621
19)	B Endosulfa...	7.149	6.483	187.3E6	976.2E6	48.824	49.755
20)	A Methoxychlor	7.493	6.755	98271542	536.8E6	48.634	49.853
21)	B Endrin ke...	7.630	6.992	200.8E6	1076.8E6	49.300	49.848
22)	Mirex	8.114	7.186	147.3E6	825.2E6	48.452	49.481

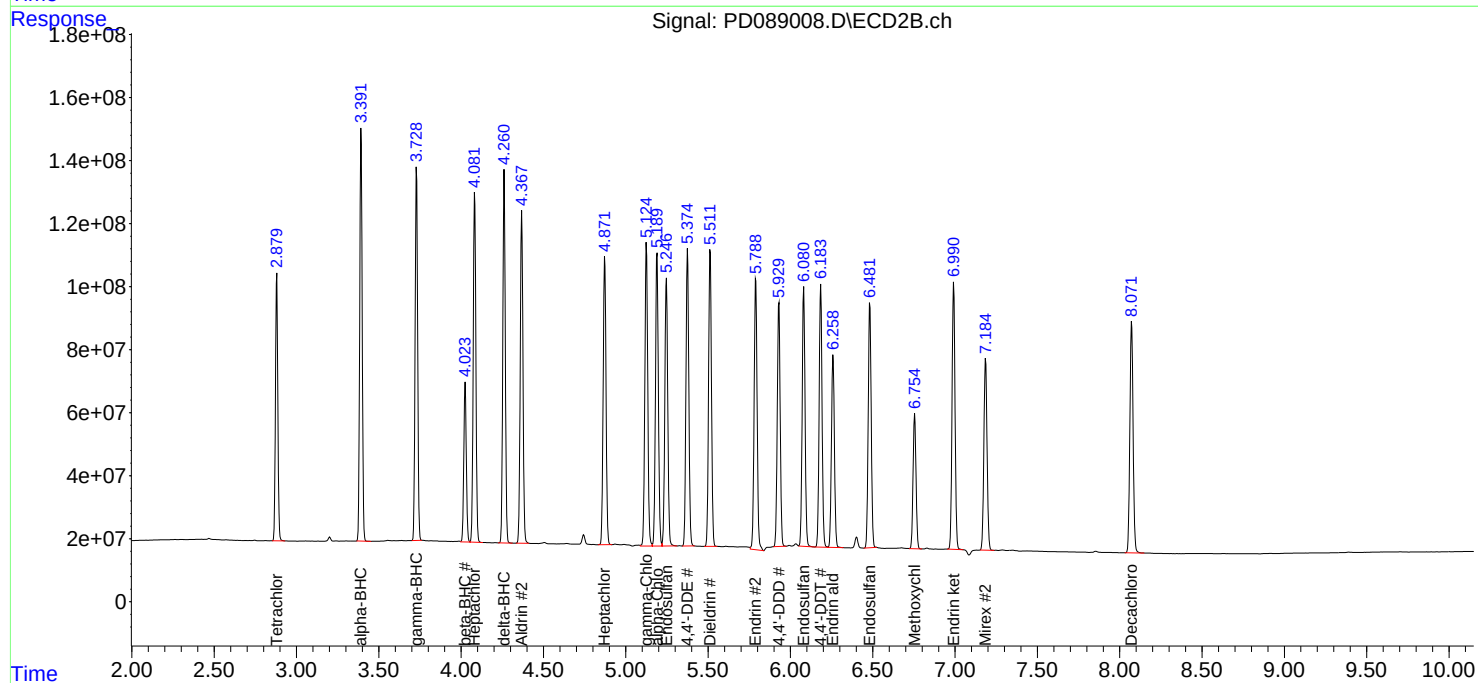
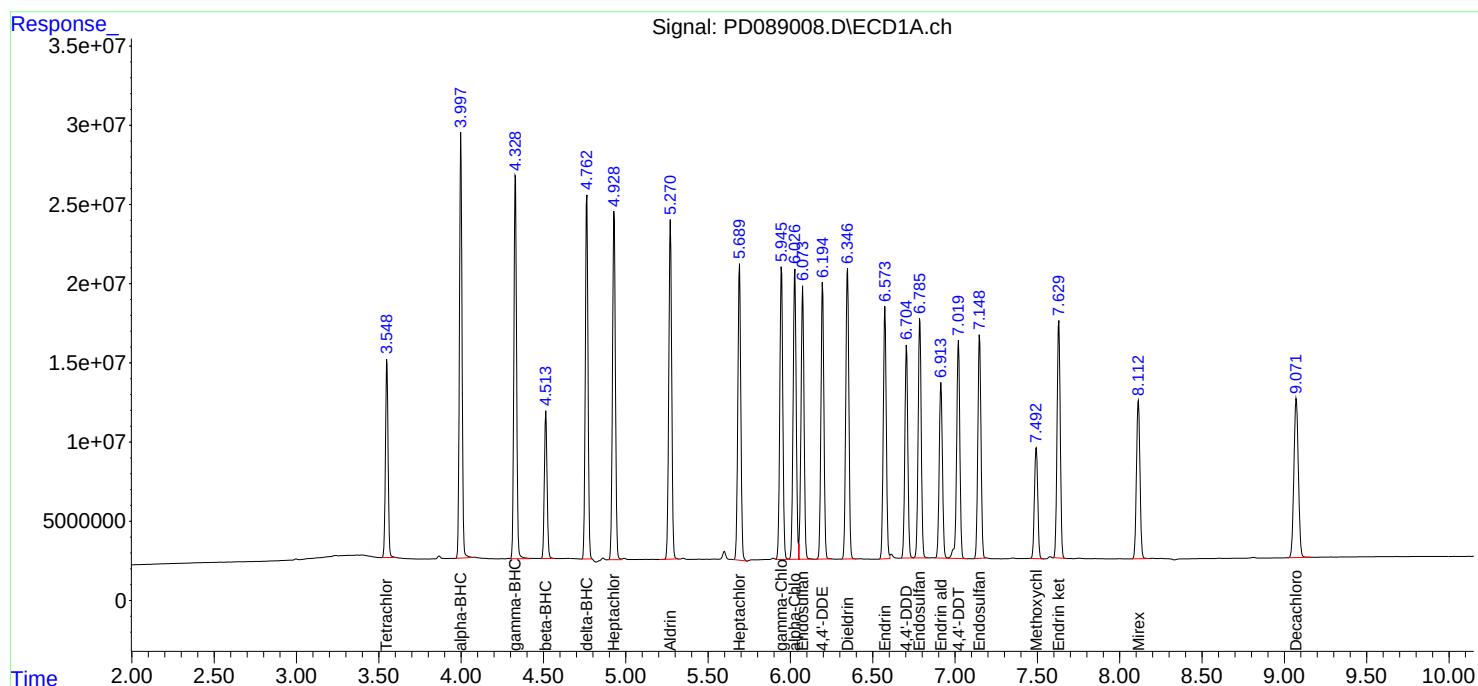
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD061825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:46:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD089009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 19:31
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD061825CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:06:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:05:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.880	127.5E6	1002.8E6	48.435	48.165
28)	SA Decachlor...	9.072	8.072	176.1E6	945.9E6	47.752	47.396
Target Compounds							
23)	Chlordane-1	4.714	3.905	104.1E6	451.3E6	486.162	484.057
24)	Chlordane-2	5.241	4.487	104.8E6	451.6E6	480.042	474.511
25)	Chlordane-3	5.946	5.125	422.4E6	1412.7E6	489.742	475.621
26)	Chlordane-4	6.031	5.189	512.9E6	1195.8E6	488.156	477.027
27)	Chlordane-5	6.870	6.089	88790524	548.7E6	485.833	484.867

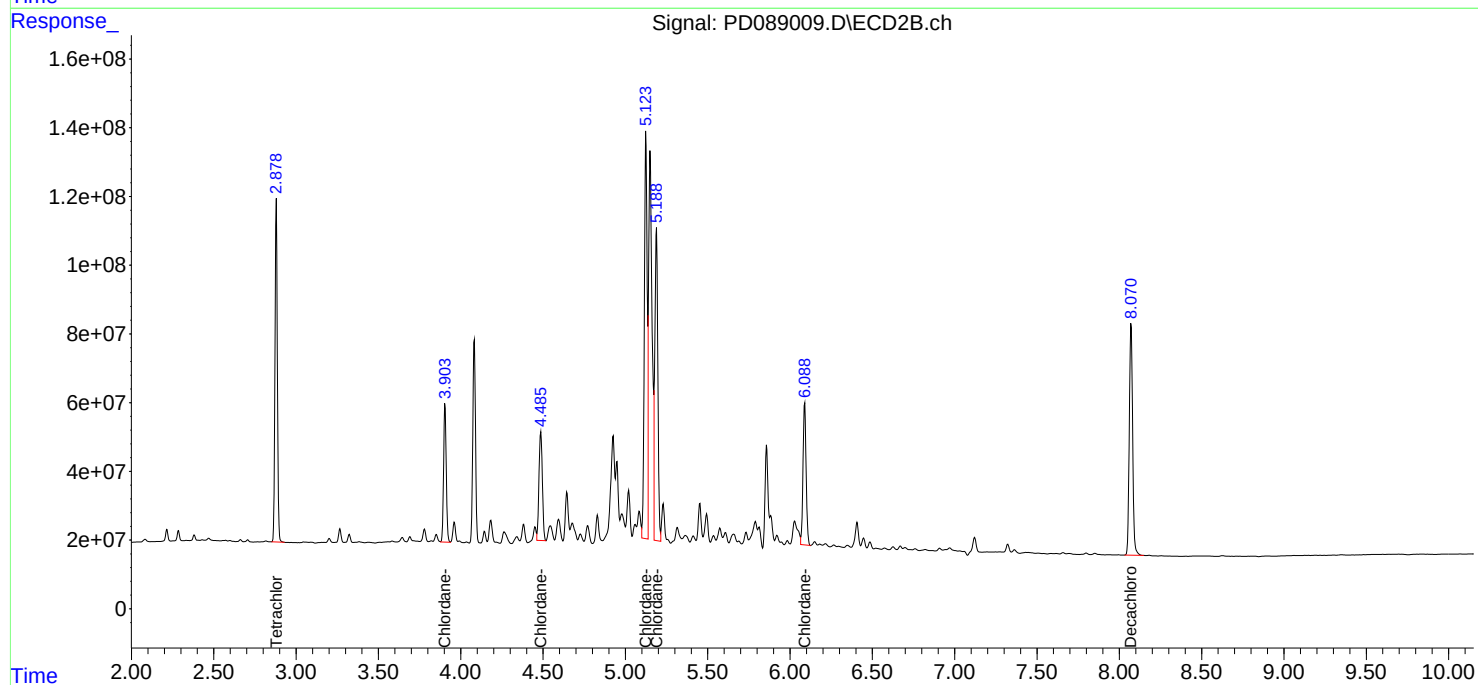
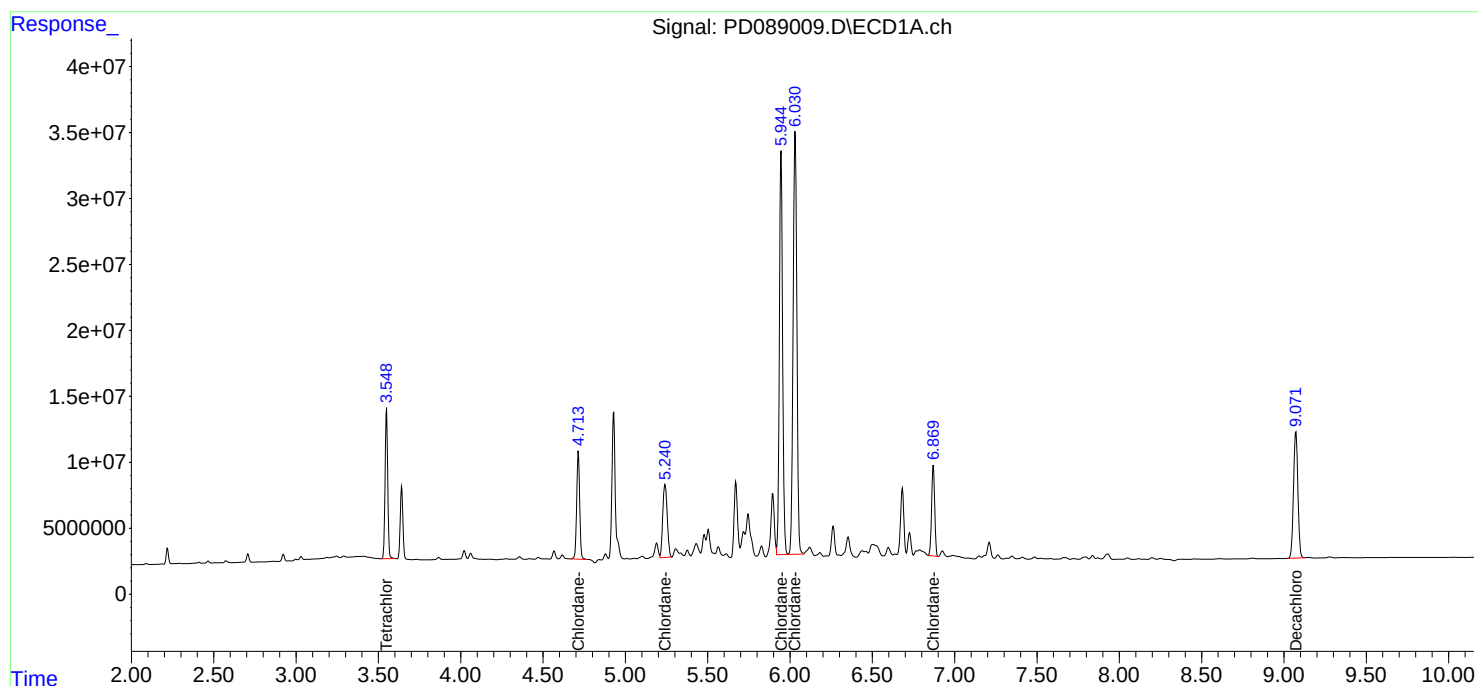
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:31
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD061825CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:06:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD089010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 19:44
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD061825TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 04:37:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 04:35:42 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

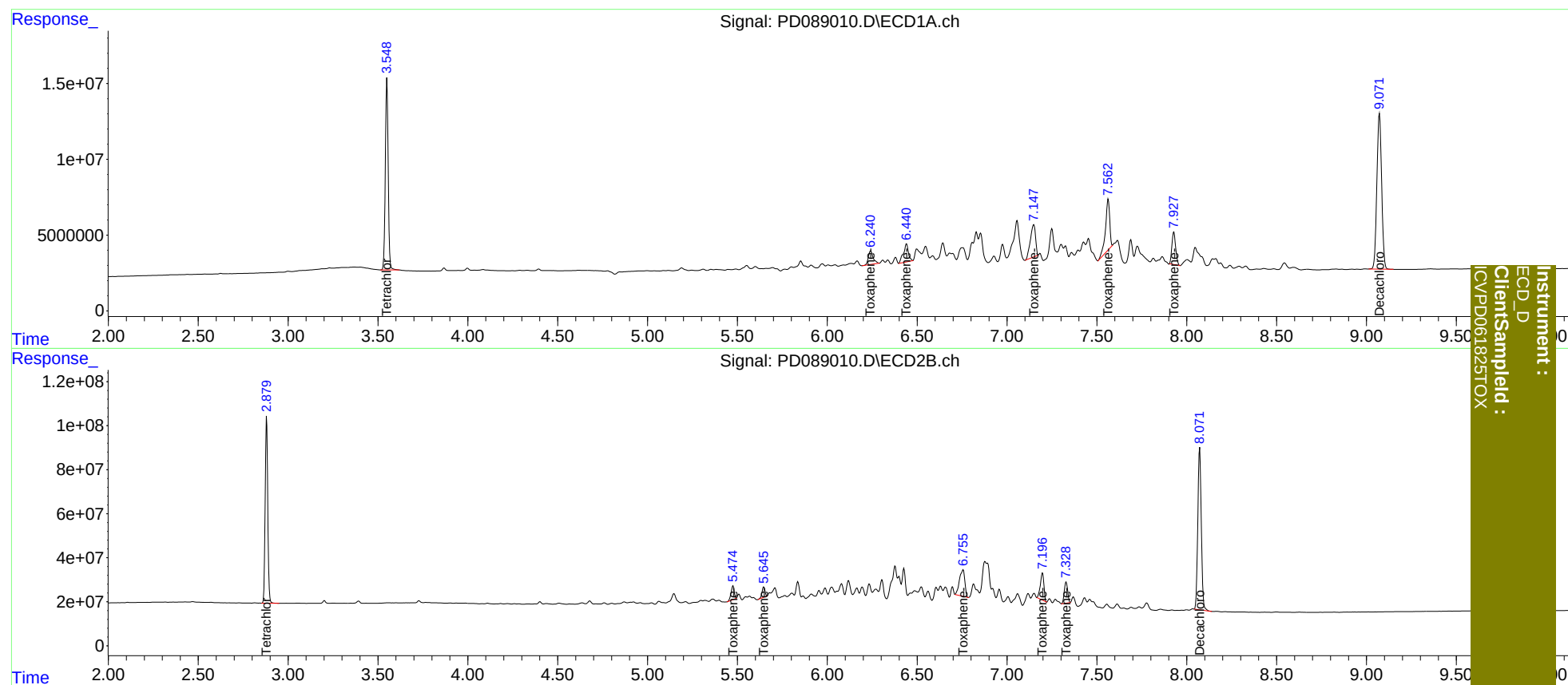
System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.881	140.5E6	849.8E6	49.126	48.618
7) SA Decachlor...	9.072	8.072	190.0E6	991.7E6	48.552	48.009
Target Compounds						
2) Toxaphene-1	6.241	5.475	16556024	76482668	496.105	468.012
3) Toxaphene-2	6.441	5.647	23088671	52728004	503.218	488.483
4) Toxaphene-3	7.149	6.756	42578482	247.9E6	493.980	497.712
5) Toxaphene-4	7.563	7.198	54552672	171.5E6	492.551	493.627
6) Toxaphene-5	7.928	7.329	31161300	123.5E6	501.825	508.354

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:44
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 04:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:35:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL01 Date Analyzed: 06/27/2025

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



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL01 Date Analyzed: 06/27/2025

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089202.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 21:16
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 27 23:16:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	164.9E6	990.4E6	57.805	58.421
28)	SA Decachlor...	9.070	8.070	198.6E6	996.8E6	50.554	50.422
Target Compounds							
2)	A alpha-BHC	3.999	3.392	338.3E6	1511.9E6	58.041	56.421
3)	MA gamma-BHC...	4.330	3.729	318.1E6	1379.9E6	56.994	55.739
4)	MA Heptachlor	4.929	4.082	280.3E6	1259.6E6	51.404	50.306
5)	MB Aldrin	5.270	4.367	302.3E6	1344.6E6	56.890	55.521
6)	B beta-BHC	4.515	4.024	120.9E6	581.6E6	54.776	54.122
7)	B delta-BHC	4.763	4.261	303.8E6	1366.4E6	59.193	54.933
8)	B Heptachlo...	5.689	4.871	261.8E6	1209.0E6	54.281	55.211
9)	A Endosulfan I	6.073	5.245	249.6E6	1127.3E6	55.381	54.087
10)	B gamma-Chl...	5.945	5.124	277.4E6	1327.9E6	57.945	55.508
11)	B alpha-Chl...	6.026	5.189	273.2E6	1244.1E6	56.472	54.335
12)	B 4,4'-DDE	6.194	5.373	238.5E6	1231.5E6	54.696	53.738
13)	MA Dieldrin	6.345	5.511	267.7E6	1246.3E6	55.791	53.700
14)	MA Endrin	6.573	5.787	207.1E6	1093.6E6	50.194	50.365
15)	B Endosulfa...	6.785	6.079	220.2E6	1075.6E6	54.540	53.258
16)	A 4,4'-DDD	6.704	5.928	198.8E6	1036.9E6	57.922	54.203
17)	MA 4,4'-DDT	7.019	6.181	159.1E6	837.8E6	41.995	41.312
18)	B Endrin al...	6.913	6.256	155.1E6	758.7E6	50.622	49.551
19)	B Endosulfa...	7.148	6.480	202.4E6	1007.2E6	52.734	51.330
20)	A Methoxychlor	7.491	6.752	86003440	480.4E6	42.563	44.613
21)	B Endrin ke...	7.628	6.989	215.8E6	1111.4E6	52.987	51.449
22)	Mirex	8.112	7.183	154.7E6	825.5E6	50.901	49.493

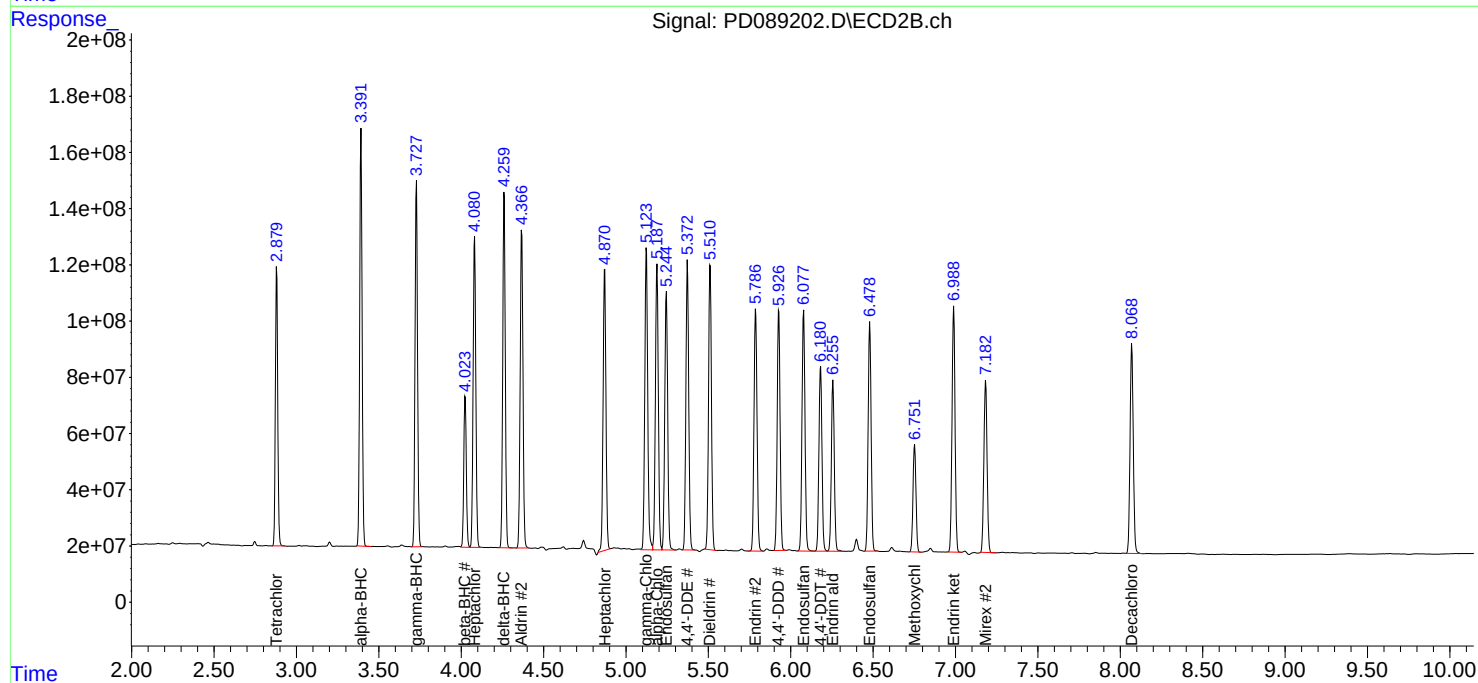
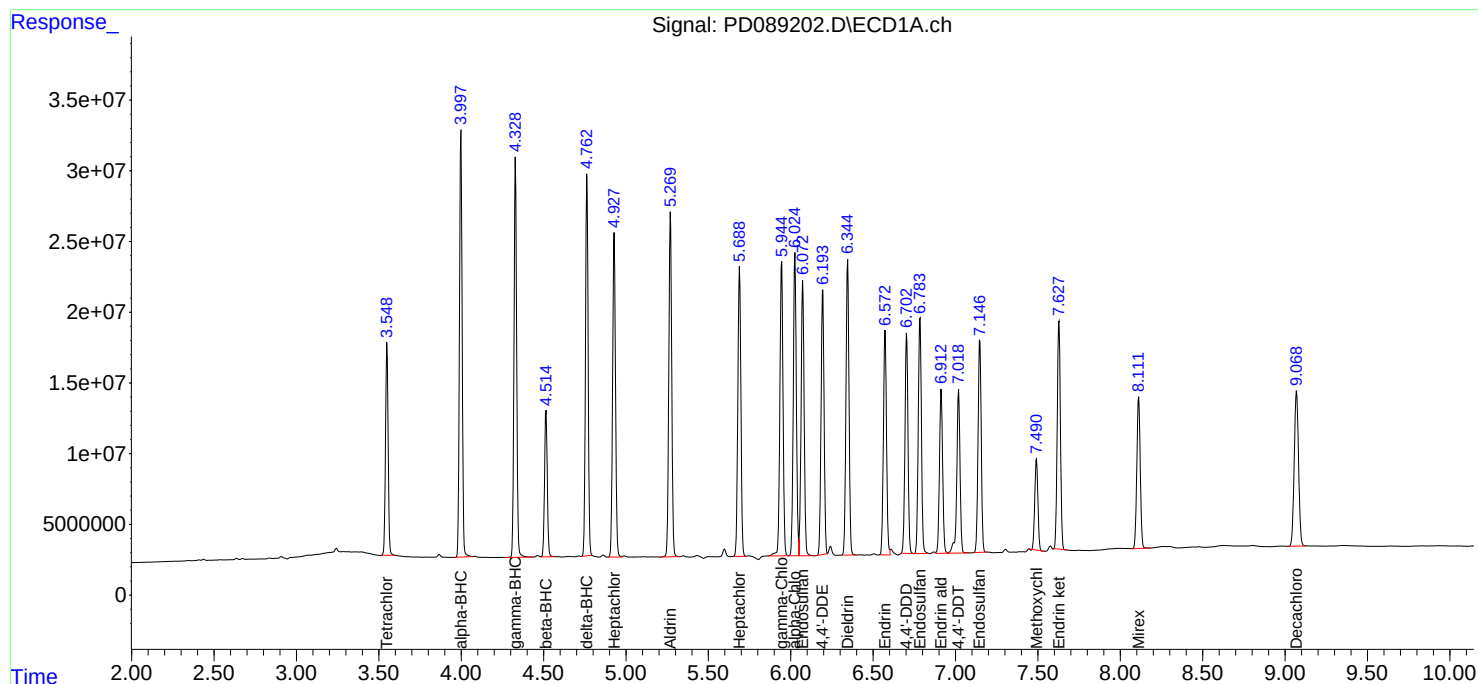
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 21:16
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:16:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/28/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 00:14 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



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/28/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 00:14 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



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL02 Date Analyzed: 06/28/2025

Lab Sample No.: PSTDCCC050 Data File : PD089214.D Time Analyzed: 00:14

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	6.195	6.096	6.296	55.080	50.000	10.2
4,4'-DDT	7.019	6.921	7.121	45.370	50.000	-9.3
Aldrin	5.270	5.171	5.371	57.530	50.000	15.1
alpha-BHC	3.999	3.899	4.099	58.300	50.000	16.6
alpha-Chlordane	6.026	5.927	6.127	56.920	50.000	13.8
beta-BHC	4.515	4.415	4.615	54.940	50.000	9.9
Decachlorobiphenyl	9.070	8.972	9.172	51.410	50.000	2.8
delta-BHC	4.764	4.664	4.864	59.760	50.000	19.5
Dieldrin	6.346	6.247	6.447	55.900	50.000	11.8
Endosulfan I	6.073	5.975	6.175	55.830	50.000	11.7
Endosulfan II	6.785	6.686	6.886	55.060	50.000	10.1
Endosulfan sulfate	7.148	7.049	7.249	53.430	50.000	6.9
Endrin	6.573	6.475	6.675	51.730	50.000	3.5
Endrin aldehyde	6.913	6.815	7.015	53.120	50.000	6.2
Endrin ketone	7.628	7.530	7.730	54.640	50.000	9.3
gamma-BHC (Lindane)	4.330	4.230	4.430	57.210	50.000	14.4
gamma-Chlordane	5.945	5.846	6.046	58.500	50.000	17.0
Heptachlor	4.929	4.829	5.029	53.650	50.000	7.3
Heptachlor epoxide	5.690	5.591	5.791	55.310	50.000	10.6
Methoxychlor	7.491	7.393	7.593	48.170	50.000	-3.7
Tetrachloro-m-xylene	3.550	3.450	3.650	57.830	50.000	15.7



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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL02 Date Analyzed: 06/28/2025

Lab Sample No.: PSTDCCC050 Data File : PD089214.D Time Analyzed: 00:14

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.929	5.830	6.030	54.820	50.000	9.6
4,4'-DDE	5.374	5.275	5.475	55.020	50.000	10.0
4,4'-DDT	6.182	6.084	6.284	45.730	50.000	-8.5
Aldrin	4.368	4.269	4.469	56.320	50.000	12.6
alpha-BHC	3.393	3.293	3.493	56.820	50.000	13.6
alpha-Chlordane	5.190	5.091	5.291	55.330	50.000	10.7
beta-BHC	4.025	3.926	4.126	54.570	50.000	9.1
Decachlorobiphenyl	8.071	7.972	8.172	53.550	50.000	7.1
delta-BHC	4.261	4.162	4.362	55.720	50.000	11.4
Dieldrin	5.512	5.413	5.613	55.070	50.000	10.1
Endosulfan I	5.246	5.147	5.347	55.100	50.000	10.2
Endosulfan II	6.078	5.981	6.181	54.780	50.000	9.6
Endosulfan sulfate	6.481	6.383	6.583	53.190	50.000	6.4
Endrin	5.788	5.689	5.889	52.970	50.000	5.9
Endrin aldehyde	6.258	6.159	6.359	52.380	50.000	4.8
Endrin ketone	6.990	6.892	7.092	54.180	50.000	8.4
gamma-BHC (Lindane)	3.729	3.630	3.830	56.410	50.000	12.8
gamma-Chlordane	5.125	5.026	5.226	56.400	50.000	12.8
Heptachlor	4.082	3.983	4.183	52.730	50.000	5.5
Heptachlor epoxide	4.872	4.773	4.973	56.350	50.000	12.7
Methoxychlor	6.753	6.655	6.855	50.280	50.000	0.6
Tetrachloro-m-xylene	2.881	2.780	2.980	58.840	50.000	17.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089214.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 00:14
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/30/2025
 Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 00:45:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	165.0E6	997.5E6	57.826	58.838
28)	SA Decachlor...	9.070	8.071	201.9E6	1058.8E6	51.415	53.554
Target Compounds							
2)	A alpha-BHC	3.999	3.393	339.8E6	1522.6E6	58.299	56.821
3)	MA gamma-BHC...	4.330	3.729	319.3E6	1396.6E6	57.213	56.412
4)	MA Heptachlor	4.929	4.082	292.5E6	1320.2E6	53.645	52.728
5)	MB Aldrin	5.270	4.368	305.7E6	1363.8E6	57.529	56.317
6)	B beta-BHC	4.515	4.025	121.3E6	586.4E6	54.940	54.567
7)	B delta-BHC	4.764	4.261	306.7E6	1385.9E6	59.757	55.716
8)	B Heptachlo...	5.690	4.872	266.8E6	1234.0E6	55.309	56.351
9)	A Endosulfan I	6.073	5.246	251.6E6	1148.4E6	55.830	55.097
10)	B gamma-Chl...	5.945	5.125	280.1E6	1349.3E6	58.498	56.403
11)	B alpha-Chl...	6.026	5.190	275.4E6	1266.8E6	56.916	55.326
12)	B 4,4'-DDE	6.195	5.374	240.2E6	1260.7E6	55.077	55.015
13)	MA Dieldrin	6.346	5.512	268.2E6	1278.1E6	55.901	55.068
14)	MA Endrin	6.573	5.788	213.4E6	1150.1E6	51.734	52.966
15)	B Endosulfa...	6.785	6.078	222.3E6	1106.3E6	55.063	54.777m
16)	A 4,4'-DDD	6.704	5.929	198.8E6	1048.7E6	57.920	54.821
17)	MA 4,4'-DDT	7.019	6.182	171.9E6	927.4E6	45.372	45.731
18)	B Endrin al...	6.913	6.258	162.8E6	802.0E6	53.120	52.381
19)	B Endosulfa...	7.148	6.481	205.0E6	1043.7E6	53.435	53.191
20)	A Methoxychlor	7.491	6.753	97341824	541.4E6	48.174	50.278
21)	B Endrin ke...	7.628	6.990	222.6E6	1170.4E6	54.645	54.182
22)	Mirex	8.112	7.183	159.3E6	873.2E6	52.382	52.357

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 00:14
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

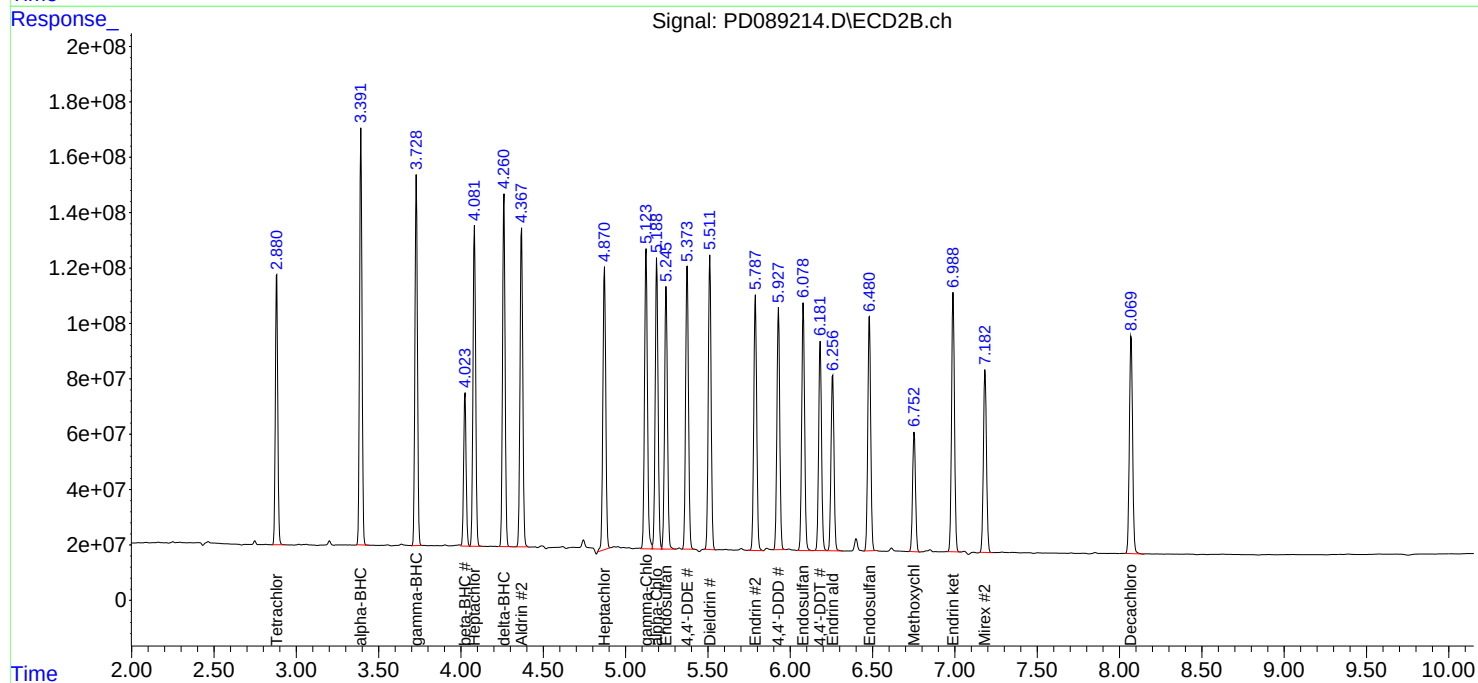
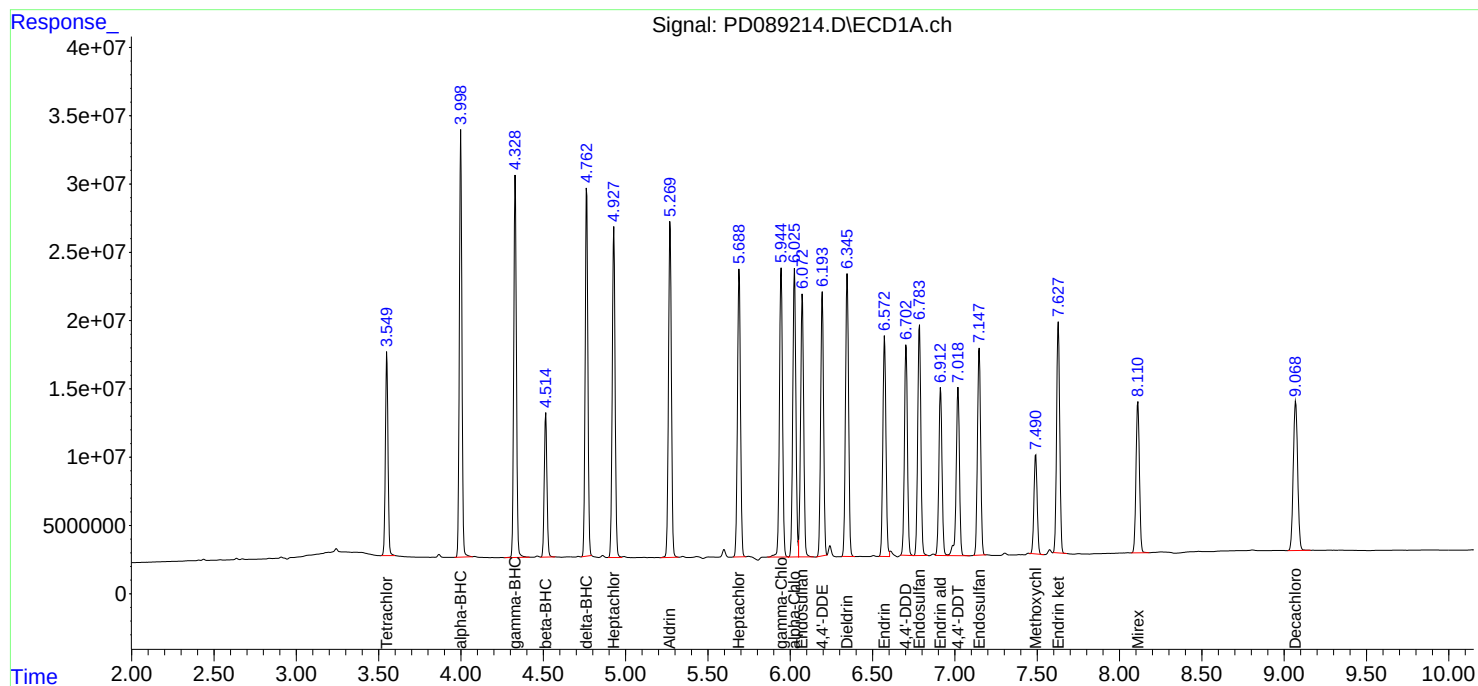
APPROVED

Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 00:45:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/28/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 03:12 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



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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/28/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 03:12 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



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL03 Date Analyzed: 06/28/2025

Lab Sample No.: PSTDCCC050 Data File : PD089226.D Time Analyzed: 03:12

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.605	6.805	58.230	50.000	16.5
4,4'-DDE	6.195	6.096	6.296	55.570	50.000	11.1
4,4'-DDT	7.020	6.921	7.121	47.730	50.000	-4.5
Aldrin	5.271	5.171	5.371	58.470	50.000	16.9
alpha-BHC	3.999	3.899	4.099	59.140	50.000	18.3
alpha-Chlordane	6.026	5.927	6.127	57.740	50.000	15.5
beta-BHC	4.515	4.415	4.615	55.540	50.000	11.1
Decachlorobiphenyl	9.071	8.972	9.172	52.610	50.000	5.2
delta-BHC	4.764	4.664	4.864	60.790	50.000	21.6
Dieldrin	6.346	6.247	6.447	56.690	50.000	13.4
Endosulfan I	6.074	5.975	6.175	56.550	50.000	13.1
Endosulfan II	6.785	6.686	6.886	55.400	50.000	10.8
Endosulfan sulfate	7.148	7.049	7.249	54.120	50.000	8.2
Endrin	6.573	6.475	6.675	52.870	50.000	5.7
Endrin aldehyde	6.914	6.815	7.015	54.050	50.000	8.1
Endrin ketone	7.629	7.530	7.730	55.310	50.000	10.6
gamma-BHC (Lindane)	4.330	4.230	4.430	58.070	50.000	16.1
gamma-Chlordane	5.945	5.846	6.046	59.180	50.000	18.4
Heptachlor	4.928	4.829	5.029	55.280	50.000	10.6
Heptachlor epoxide	5.690	5.591	5.791	55.990	50.000	12.0
Methoxychlor	7.492	7.393	7.593	51.020	50.000	2.0
Tetrachloro-m-xylene	3.550	3.450	3.650	58.680	50.000	17.4



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL03 Date Analyzed: 06/28/2025

Lab Sample No.: PSTDCCC050 Data File : PD089226.D Time Analyzed: 03:12

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.928	5.830	6.030	55.100	50.000	10.2
4,4'-DDE	5.374	5.275	5.475	55.740	50.000	11.5
4,4'-DDT	6.182	6.084	6.284	47.680	50.000	-4.6
Aldrin	4.367	4.269	4.469	57.260	50.000	14.5
alpha-BHC	3.392	3.293	3.493	57.920	50.000	15.8
alpha-Chlordane	5.189	5.091	5.291	56.100	50.000	12.2
beta-BHC	4.024	3.926	4.126	55.320	50.000	10.6
Decachlorobiphenyl	8.071	7.972	8.172	54.260	50.000	8.5
delta-BHC	4.261	4.162	4.362	56.750	50.000	13.5
Dieldrin	5.511	5.413	5.613	55.900	50.000	11.8
Endosulfan I	5.245	5.147	5.347	55.680	50.000	11.4
Endosulfan II	6.079	5.981	6.181	55.070	50.000	10.1
Endosulfan sulfate	6.481	6.383	6.583	53.830	50.000	7.7
Endrin	5.788	5.689	5.889	54.690	50.000	9.4
Endrin aldehyde	6.257	6.159	6.359	53.180	50.000	6.4
Endrin ketone	6.989	6.892	7.092	54.840	50.000	9.7
gamma-BHC (Lindane)	3.729	3.630	3.830	57.410	50.000	14.8
gamma-Chlordane	5.124	5.026	5.226	57.110	50.000	14.2
Heptachlor	4.082	3.983	4.183	54.310	50.000	8.6
Heptachlor epoxide	4.871	4.773	4.973	57.050	50.000	14.1
Methoxychlor	6.753	6.655	6.855	52.720	50.000	5.4
Tetrachloro-m-xylene	2.881	2.780	2.980	59.590	50.000	19.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089226.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 03:12
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 03:51:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	167.4E6	1010.3E6	58.684	59.594
2)	SA Decachlor...	9.071	8.071	206.6E6	1072.7E6	52.612	54.261
Target Compounds							
2)	A alpha-BHC	3.999	3.392	344.7E6	1552.2E6	59.140	57.925
3)	MA gamma-BHC...	4.330	3.729	324.1E6	1421.4E6	58.073	57.415
4)	MA Heptachlor	4.928	4.082	301.4E6	1359.9E6	55.275	54.314
5)	MB Aldrin	5.271	4.367	310.6E6	1386.7E6	58.470	57.262
6)	B beta-BHC	4.515	4.024	122.6E6	594.4E6	55.545	55.316
7)	B delta-BHC	4.764	4.261	312.0E6	1411.5E6	60.788	56.747
8)	B Heptachlo...	5.690	4.871	270.1E6	1249.2E6	55.987	57.045
9)	A Endosulfan I	6.074	5.245	254.9E6	1160.4E6	56.551	55.677
10)	B gamma-Chl...	5.945	5.124	283.3E6	1366.3E6	59.177	57.112
11)	B alpha-Chl...	6.026	5.189	279.4E6	1284.4E6	57.736	56.097
12)	B 4,4'-DDE	6.195	5.374	242.4E6	1277.4E6	55.572	55.742
13)	MA Dieldrin	6.346	5.511	272.0E6	1297.3E6	56.693	55.899
14)	MA Endrin	6.573	5.788	218.1E6	1187.4E6	52.865	54.685
15)	B Endosulfa...	6.785	6.079	223.6E6	1112.3E6	55.397	55.075
16)	A 4,4'-DDD	6.704	5.928	199.9E6	1054.1E6	58.232	55.101
17)	MA 4,4'-DDT	7.020	6.182	180.8E6	966.9E6	47.734	47.677
18)	B Endrin al...	6.914	6.257	165.6E6	814.3E6	54.049	53.180
19)	B Endosulfa...	7.148	6.481	207.7E6	1056.1E6	54.123	53.825
20)	A Methoxychlor	7.492	6.753	103.1E6	567.6E6	51.019	52.716
21)	B Endrin ke...	7.629	6.989	225.3E6	1184.5E6	55.314	54.835
22)	Mirex	8.112	7.183	162.3E6	887.9E6	53.401	53.236

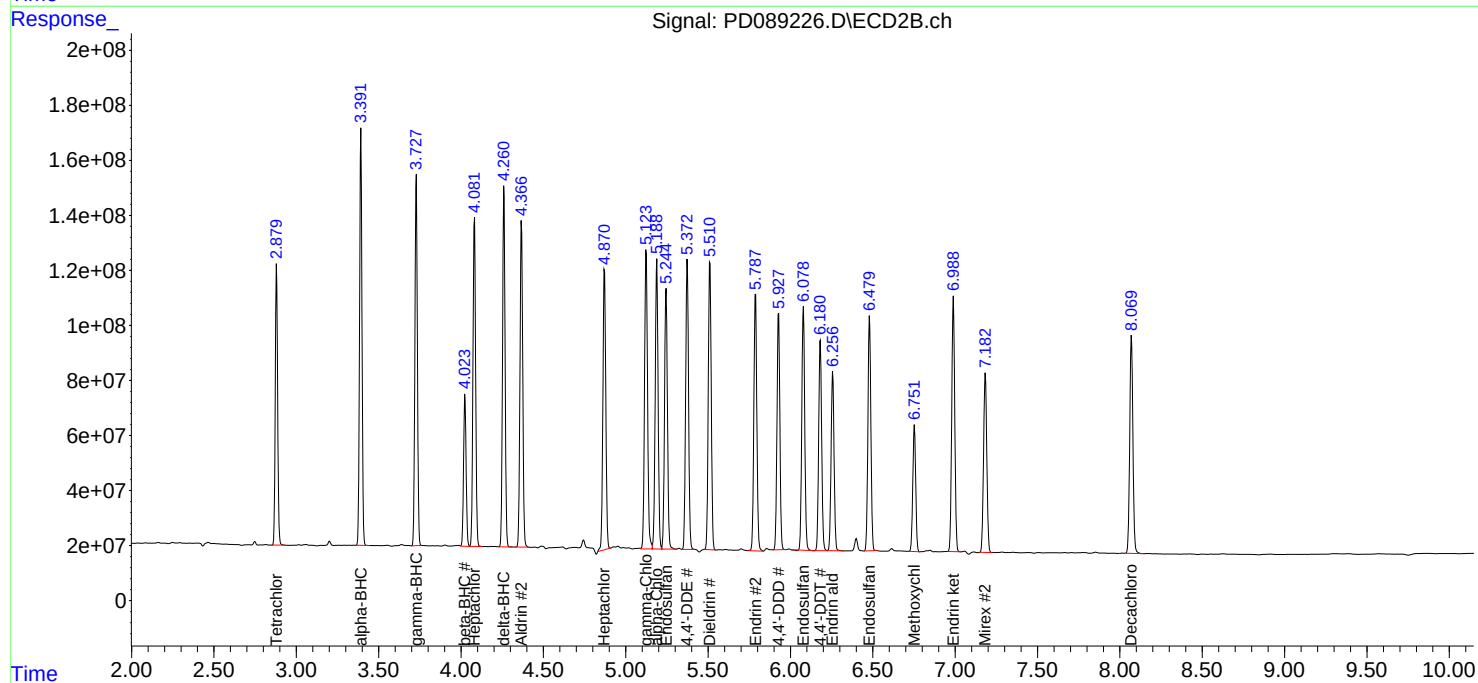
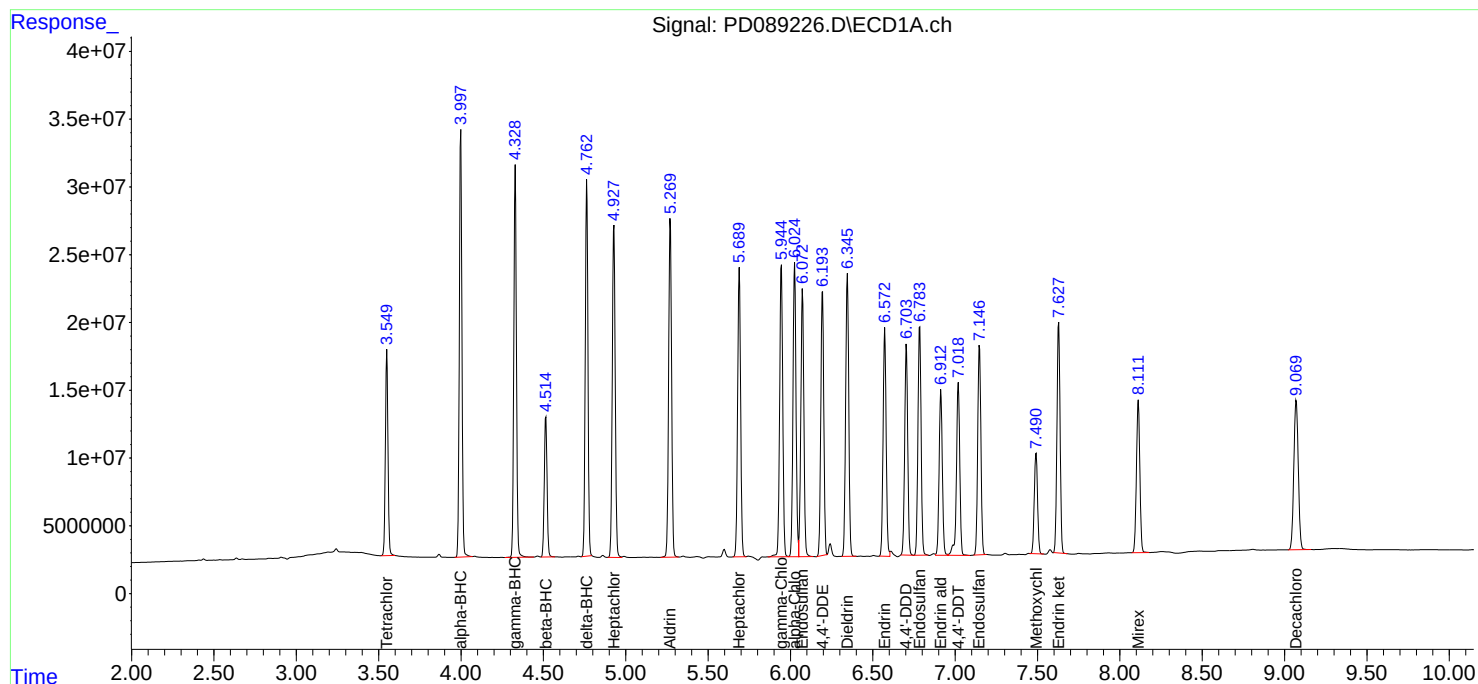
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089226.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 03:12
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 03:51:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/30/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 09:56 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	4.01	4.00	3.90	4.10	-0.01
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	4.94	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	7.16	7.15	7.05	7.25	-0.01
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



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/30/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 09:56 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



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL04 Date Analyzed: 06/30/2025

Lab Sample No.: PSTDCCC050 Data File : PD089230.D Time Analyzed: 09:56

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.710	6.605	6.805	53.380	50.000	6.8
4,4'-DDE	6.201	6.096	6.296	50.960	50.000	1.9
4,4'-DDT	7.026	6.921	7.121	42.730	50.000	-14.5
Aldrin	5.277	5.171	5.371	52.490	50.000	5.0
alpha-BHC	4.005	3.899	4.099	53.210	50.000	6.4
alpha-Chlordane	6.032	5.927	6.127	51.250	50.000	2.5
beta-BHC	4.521	4.415	4.615	50.740	50.000	1.5
Decachlorobiphenyl	9.078	8.972	9.172	48.640	50.000	-2.7
delta-BHC	4.770	4.664	4.864	54.000	50.000	8.0
Dieldrin	6.352	6.247	6.447	51.790	50.000	3.6
Endosulfan I	6.080	5.975	6.175	51.350	50.000	2.7
Endosulfan II	6.791	6.686	6.886	51.290	50.000	2.6
Endosulfan sulfate	7.155	7.049	7.249	49.650	50.000	-0.7
Endrin	6.580	6.475	6.675	46.870	50.000	-6.3
Endrin aldehyde	6.920	6.815	7.015	49.280	50.000	-1.4
Endrin ketone	7.634	7.530	7.730	51.330	50.000	2.7
gamma-BHC (Lindane)	4.336	4.230	4.430	52.320	50.000	4.6
gamma-Chlordane	5.951	5.846	6.046	52.780	50.000	5.6
Heptachlor	4.935	4.829	5.029	50.190	50.000	0.4
Heptachlor epoxide	5.696	5.591	5.791	50.880	50.000	1.8
Methoxychlor	7.498	7.393	7.593	57.870	50.000	15.7
Tetrachloro-m-xylene	3.555	3.450	3.650	52.550	50.000	5.1



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL04 Date Analyzed: 06/30/2025

Lab Sample No.: PSTDCCC050 Data File : PD089230.D Time Analyzed: 09:56

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.930	5.830	6.030	49.690	50.000	-0.6
4,4'-DDE	5.376	5.275	5.475	49.570	50.000	-0.9
4,4'-DDT	6.184	6.084	6.284	41.990	50.000	-16.0
Aldrin	4.369	4.269	4.469	50.790	50.000	1.6
alpha-BHC	3.393	3.293	3.493	51.090	50.000	2.2
alpha-Chlordane	5.191	5.091	5.291	49.510	50.000	-1.0
beta-BHC	4.026	3.926	4.126	49.850	50.000	-0.3
Decachlorobiphenyl	8.073	7.972	8.172	49.620	50.000	-0.8
delta-BHC	4.263	4.162	4.362	49.960	50.000	-0.1
Dieldrin	5.513	5.413	5.613	49.540	50.000	-0.9
Endosulfan I	5.247	5.147	5.347	49.140	50.000	-1.7
Endosulfan II	6.081	5.981	6.181	49.360	50.000	-1.3
Endosulfan sulfate	6.483	6.383	6.583	48.200	50.000	-3.6
Endrin	5.790	5.689	5.889	44.720	50.000	-10.6
Endrin aldehyde	6.260	6.159	6.359	48.270	50.000	-3.5
Endrin ketone	6.992	6.892	7.092	49.890	50.000	-0.2
gamma-BHC (Lindane)	3.730	3.630	3.830	50.660	50.000	1.3
gamma-Chlordane	5.126	5.026	5.226	49.650	50.000	-0.7
Heptachlor	4.083	3.983	4.183	47.330	50.000	-5.3
Heptachlor epoxide	4.873	4.773	4.973	50.950	50.000	1.9
Methoxychlor	6.755	6.655	6.855	55.470	50.000	10.9
Tetrachloro-m-xylene	2.880	2.780	2.980	52.470	50.000	4.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063025\
 Data File : PD089230.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jun 2025 09:56
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 07/01/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 30 12:48:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.555	2.880	149.9E6	889.6E6	52.548	52.475
28)	SA Decachlor...	9.078	8.073	191.0E6	980.9E6	48.639	49.617
Target Compounds							
2)	A alpha-BHC	4.005	3.393	310.1E6	1369.1E6	53.206	51.093
3)	MA gamma-BHC...	4.336	3.730	292.0E6	1254.2E6	52.316	50.662
4)	MA Heptachlor	4.935	4.083	273.7E6	1185.1E6	50.193	47.329
5)	MB Aldrin	5.277	4.369	278.9E6	1230.1E6	52.492	50.794
6)	B beta-BHC	4.521	4.026	112.0E6	535.7E6	50.743	49.854
7)	B delta-BHC	4.770	4.263	277.2E6	1242.6E6	53.997	49.956
8)	B Heptachlo...	5.696	4.873	245.4E6	1115.6E6	50.880	50.946
9)	A Endosulfan I	6.080	5.247	231.4E6	1024.3E6	51.347	49.144
10)	B gamma-Chl...	5.951	5.126	252.7E6	1187.7E6	52.783	49.647
11)	B alpha-Chl...	6.032	5.191	248.0E6	1133.7E6	51.255	49.511
12)	B 4,4'-DDE	6.201	5.376	222.2E6	1135.9E6	50.960	49.566
13)	MA Dieldrin	6.352	5.513	248.5E6	1149.8E6	51.792	49.544
14)	MA Endrin	6.580	5.790	193.4E6	971.0E6	46.869	44.718
15)	B Endosulfa...	6.791	6.081	207.0E6	997.0E6	51.288	49.363
16)	A 4,4'-DDD	6.710	5.930	183.2E6	950.6E6	53.377	49.692
17)	MA 4,4'-DDT	7.026	6.184	161.9E6	851.4E6	42.729	41.986
18)	B Endrin al...	6.920	6.260	151.0E6	739.0E6	49.279	48.266
19)	B Endosulfa...	7.155	6.483	190.5E6	945.7E6	49.653	48.196
20)	A Methoxychlor	7.498	6.755	116.9E6	597.3E6	57.872	55.467
21)	B Endrin ke...	7.634	6.992	209.1E6	1077.8E6	51.330m	49.893
22)	Mirex	8.118	7.186	149.8E6	811.5E6	49.272	48.658

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063025\
Data File : PD089230.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 09:56
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

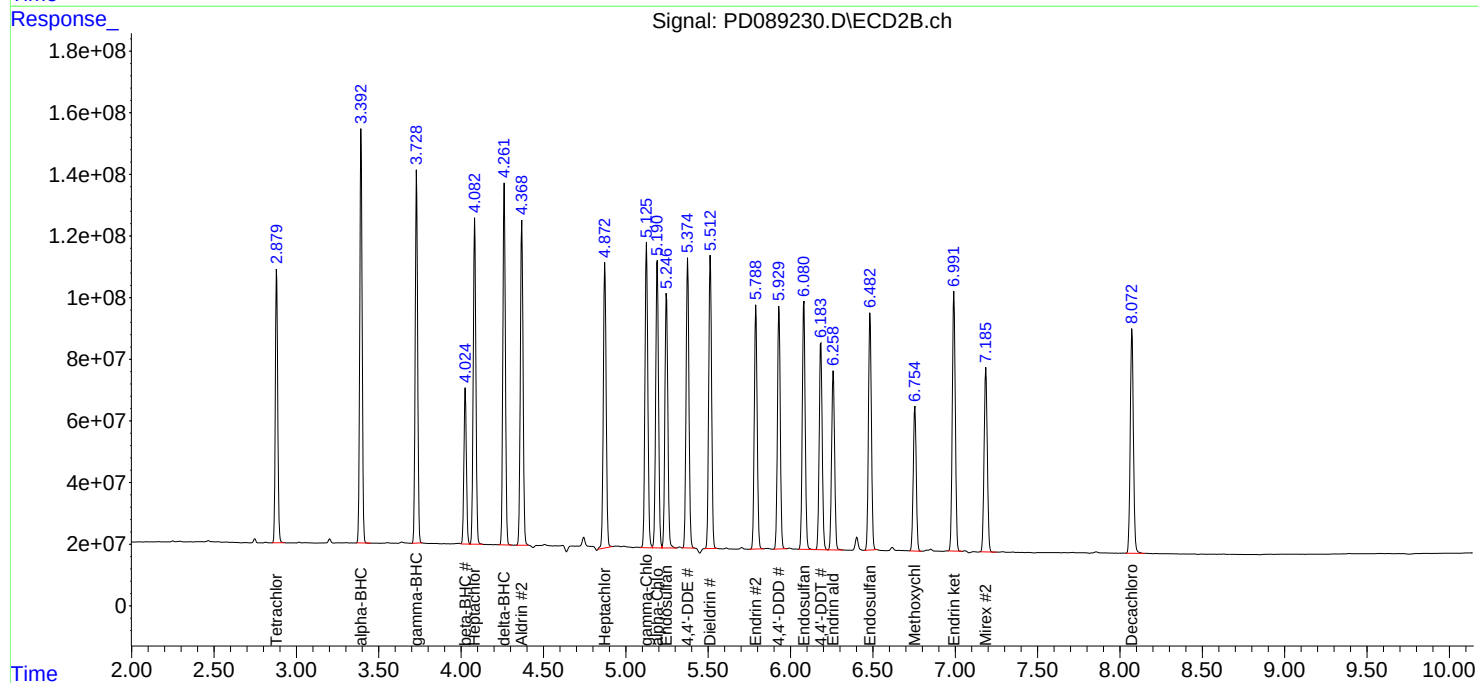
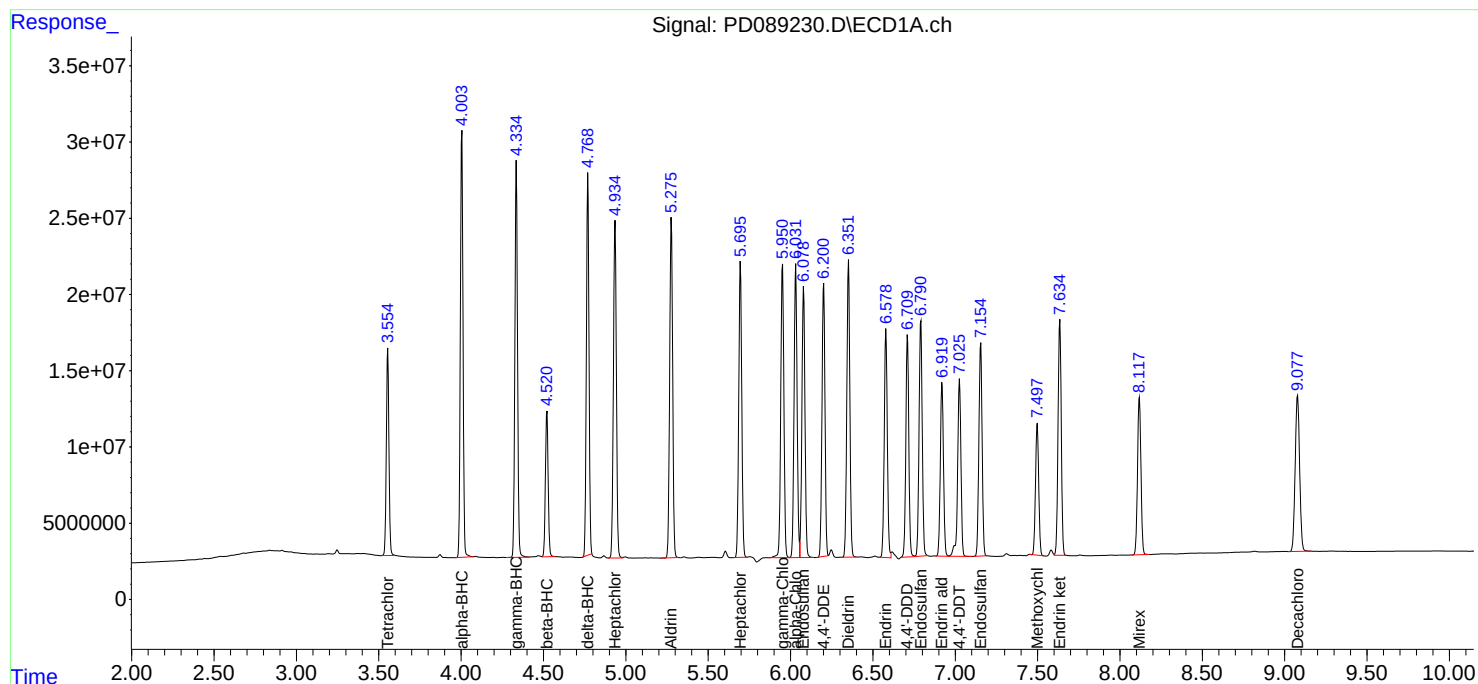
APPROVED

Reviewed By :Abdul Mirza 07/01/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 30 12:48:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/30/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 17:08 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	4.01	4.00	3.90	4.10	-0.01
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	4.94	4.93	4.83	5.03	-0.01
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	7.16	7.15	7.05	7.25	-0.01
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	7.64	7.63	7.53	7.73	-0.01
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



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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/30/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 17:08 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



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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL05 Date Analyzed: 06/30/2025

Lab Sample No.: PSTDCCC050 Data File : PD089241.D Time Analyzed: 17:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.711	6.605	6.805	52.240	50.000	4.5
4,4'-DDE	6.202	6.096	6.296	50.680	50.000	1.4
4,4'-DDT	7.027	6.921	7.121	42.510	50.000	-15.0
Aldrin	5.277	5.171	5.371	53.100	50.000	6.2
alpha-BHC	4.005	3.899	4.099	54.360	50.000	8.7
alpha-Chlordane	6.033	5.927	6.127	51.160	50.000	2.3
beta-BHC	4.522	4.415	4.615	51.930	50.000	3.9
Decachlorobiphenyl	9.079	8.972	9.172	48.610	50.000	-2.8
delta-BHC	4.771	4.664	4.864	54.890	50.000	9.8
Dieldrin	6.353	6.247	6.447	51.080	50.000	2.2
Endosulfan I	6.080	5.975	6.175	51.360	50.000	2.7
Endosulfan II	6.792	6.686	6.886	50.340	50.000	0.7
Endosulfan sulfate	7.155	7.049	7.249	48.940	50.000	-2.1
Endrin	6.580	6.475	6.675	47.410	50.000	-5.2
Endrin aldehyde	6.921	6.815	7.015	48.190	50.000	-3.6
Endrin ketone	7.636	7.530	7.730	48.760	50.000	-2.5
gamma-BHC (Lindane)	4.336	4.230	4.430	54.200	50.000	8.4
gamma-Chlordane	5.952	5.846	6.046	52.240	50.000	4.5
Heptachlor	4.936	4.829	5.029	51.190	50.000	2.4
Heptachlor epoxide	5.697	5.591	5.791	50.920	50.000	1.8
Methoxychlor	7.498	7.393	7.593	57.540	50.000	15.1
Tetrachloro-m-xylene	3.556	3.450	3.650	53.550	50.000	7.1



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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL05 Date Analyzed: 06/30/2025

Lab Sample No.: PSTDCCC050 Data File : PD089241.D Time Analyzed: 17:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.931	5.830	6.030	49.480	50.000	-1.0
4,4'-DDE	5.376	5.275	5.475	49.650	50.000	-0.7
4,4'-DDT	6.184	6.084	6.284	42.410	50.000	-15.2
Aldrin	4.369	4.269	4.469	51.750	50.000	3.5
alpha-BHC	3.393	3.293	3.493	52.530	50.000	5.1
alpha-Chlordane	5.191	5.091	5.291	49.660	50.000	-0.7
beta-BHC	4.025	3.926	4.126	50.600	50.000	1.2
Decachlorobiphenyl	8.073	7.972	8.172	45.140	50.000	-9.7
delta-BHC	4.262	4.162	4.362	51.290	50.000	2.6
Dieldrin	5.514	5.413	5.613	49.820	50.000	-0.4
Endosulfan I	5.247	5.147	5.347	49.320	50.000	-1.4
Endosulfan II	6.081	5.981	6.181	48.420	50.000	-3.2
Endosulfan sulfate	6.483	6.383	6.583	47.530	50.000	-4.9
Endrin	5.790	5.689	5.889	46.410	50.000	-7.2
Endrin aldehyde	6.260	6.159	6.359	46.990	50.000	-6.0
Endrin ketone	6.992	6.892	7.092	46.930	50.000	-6.1
gamma-BHC (Lindane)	3.729	3.630	3.830	52.020	50.000	4.0
gamma-Chlordane	5.127	5.026	5.226	49.970	50.000	-0.1
Heptachlor	4.083	3.983	4.183	49.310	50.000	-1.4
Heptachlor epoxide	4.873	4.773	4.973	51.760	50.000	3.5
Methoxychlor	6.755	6.655	6.855	56.930	50.000	13.9
Tetrachloro-m-xylene	2.880	2.780	2.980	53.540	50.000	7.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063025\
 Data File : PD089241.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jun 2025 17:08
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 01:35:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.556	2.880	152.8E6	907.7E6	53.549	53.542
2)	SA Decachlor...	9.079	8.073	190.9E6	892.5E6	48.609	45.144
Target Compounds							
2)	A alpha-BHC	4.005	3.393	316.9E6	1407.5E6	54.360	52.526
3)	MA gamma-BHC...	4.336	3.729	302.5E6	1287.8E6	54.202	52.016
4)	MA Heptachlor	4.936	4.083	279.1E6	1234.5E6	51.187	49.306
5)	MB Aldrin	5.277	4.369	282.1E6	1253.3E6	53.102	51.754
6)	B beta-BHC	4.522	4.025	114.6E6	543.8E6	51.927	50.604
7)	B delta-BHC	4.771	4.262	281.7E6	1275.8E6	54.890	51.291
8)	B Heptachlo...	5.697	4.873	245.6E6	1133.3E6	50.917	51.755
9)	A Endosulfan I	6.080	5.247	231.5E6	1028.0E6	51.360	49.324
10)	B gamma-Chl...	5.952	5.127	250.1E6	1195.4E6	52.244	49.969
11)	B alpha-Chl...	6.033	5.191	247.5E6	1137.0E6	51.157	49.657
12)	B 4,4'-DDE	6.202	5.376	221.0E6	1137.7E6	50.682	49.648
13)	MA Dieldrin	6.353	5.514	245.1E6	1156.2E6	51.084	49.816
14)	MA Endrin	6.580	5.790	195.6E6	1007.8E6	47.407	46.412
15)	B Endosulfa...	6.792	6.081	203.2E6	978.0E6	50.340	48.425
16)	A 4,4'-DDD	6.711	5.931	179.3E6	946.5E6	52.241	49.478
17)	MA 4,4'-DDT	7.027	6.184	161.0E6	860.1E6	42.510	42.414
18)	B Endrin al...	6.921	6.260	147.7E6	719.5E6	48.192	46.992
19)	B Endosulfa...	7.155	6.483	187.8E6	932.6E6	48.938	47.529
20)	A Methoxychlor	7.498	6.755	116.3E6	613.1E6	57.541	56.933
21)	B Endrin ke...	7.636	6.992	198.6E6	1013.8E6	48.764	46.933
22)	Mirex	8.118	7.186	144.7E6	761.7E6	47.585	45.673

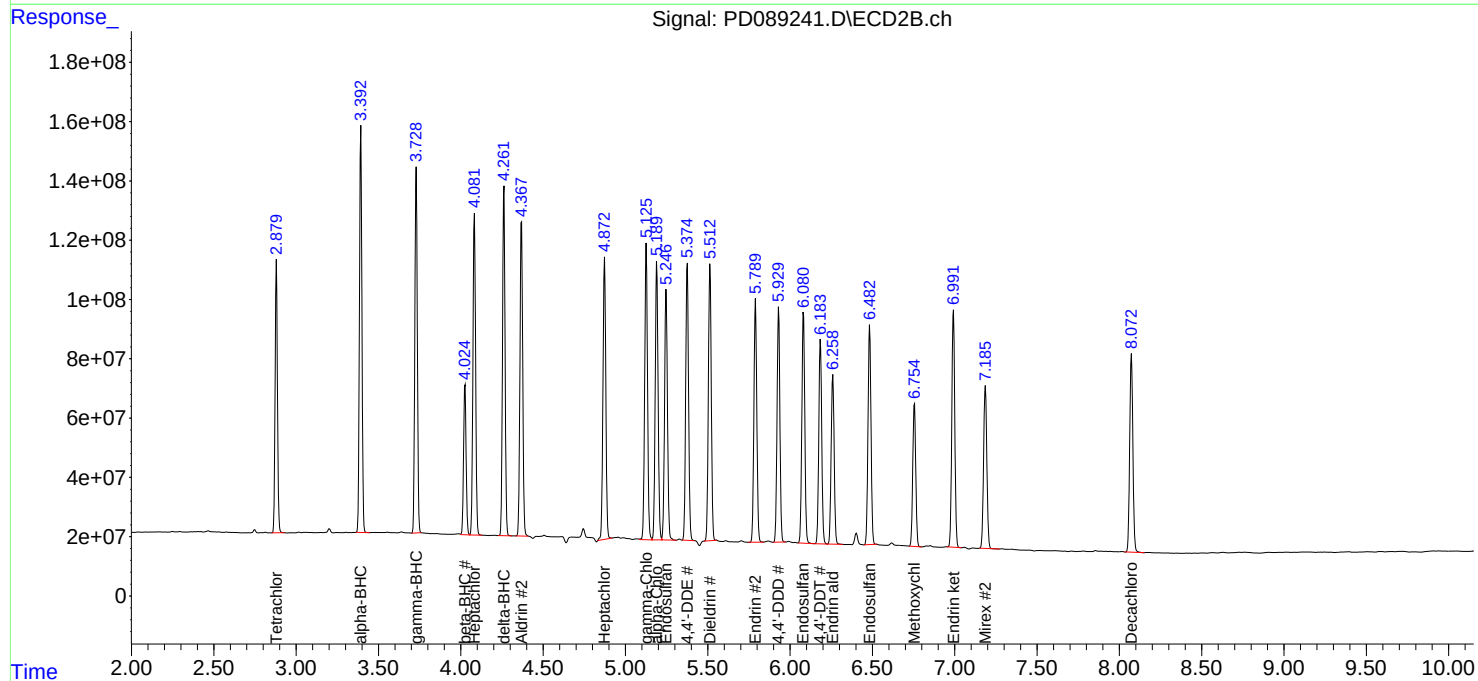
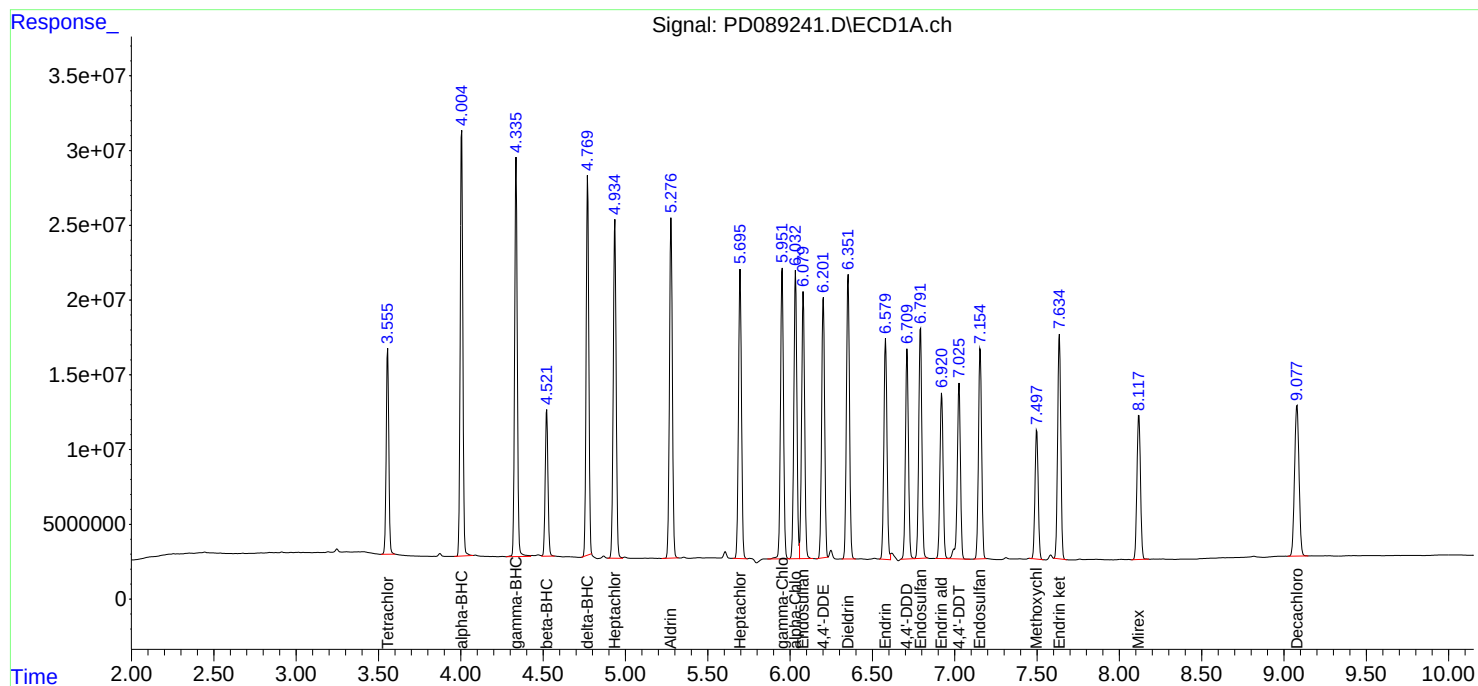
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063025\
Data File : PD089241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 17:08
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 01:35:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
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	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD088991.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 15:25
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/18/2025
 Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:45:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.880	56676201	346.6E6	19.865	20.443
28)	SA Decachlor...	9.071	8.072	84217746	421.0E6	21.442	21.293
Target Compounds							
2)	A alpha-BHC	3.999	3.393	52304160	283.3E6	8.973	10.573
3)	MA gamma-BHC...	4.330	3.729	52036875	261.9E6	9.323	10.578
6)	B beta-BHC	4.514	4.025	21456971	115.6E6	9.722m	10.754
14)	MA Endrin	6.574	5.789	207.3E6	1096.4E6	50.256	50.492
16)	A 4,4'-DDD	6.701	5.931	603821	5602244	0.176m	0.293m#
17)	MA 4,4'-DDT	7.020	6.183	381.9E6	1948.4E6	100.821	96.080
18)	B Endrin al...	6.918	6.256	451112	9421924	0.147m	0.615m#
20)	A Methoxychlor	7.493	6.754	464.5E6	2141.4E6	229.876	198.863
21)	B Endrin ke...	7.627	6.989	1470511	10658868	0.361m	0.493m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

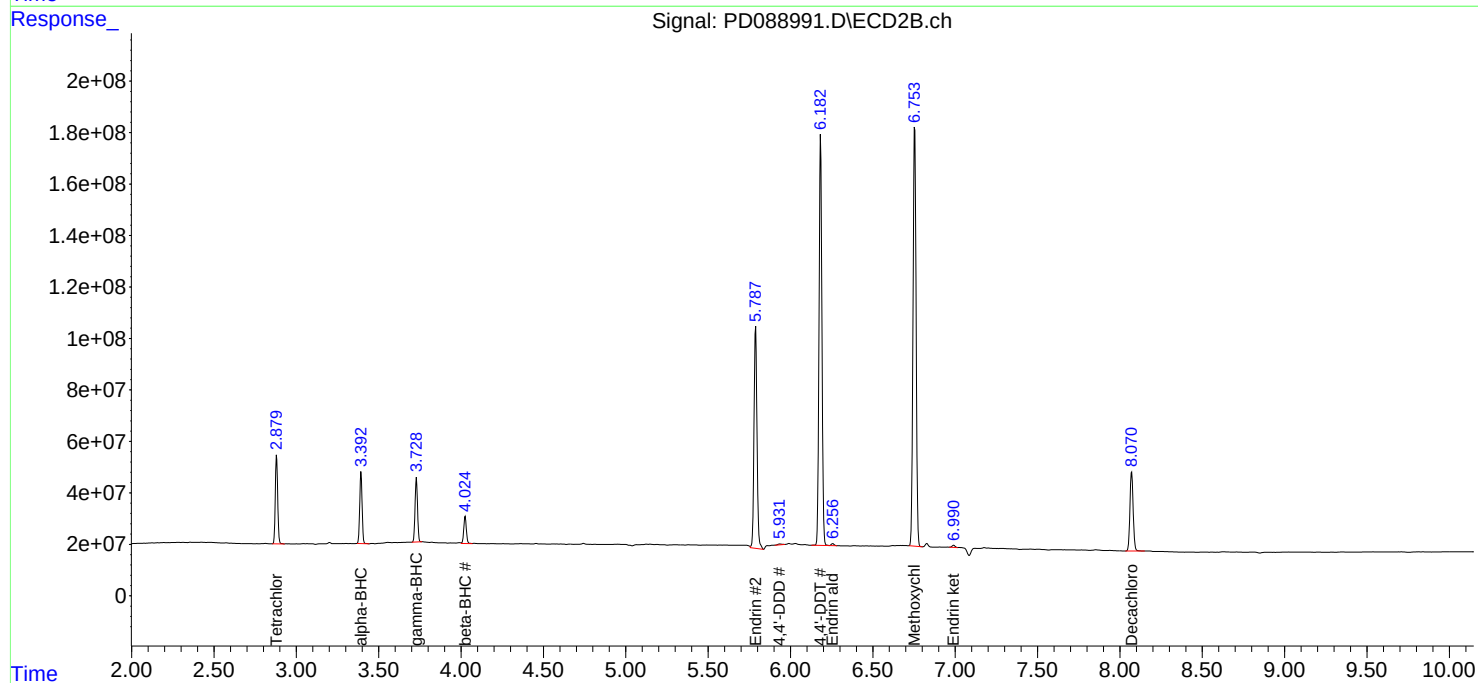
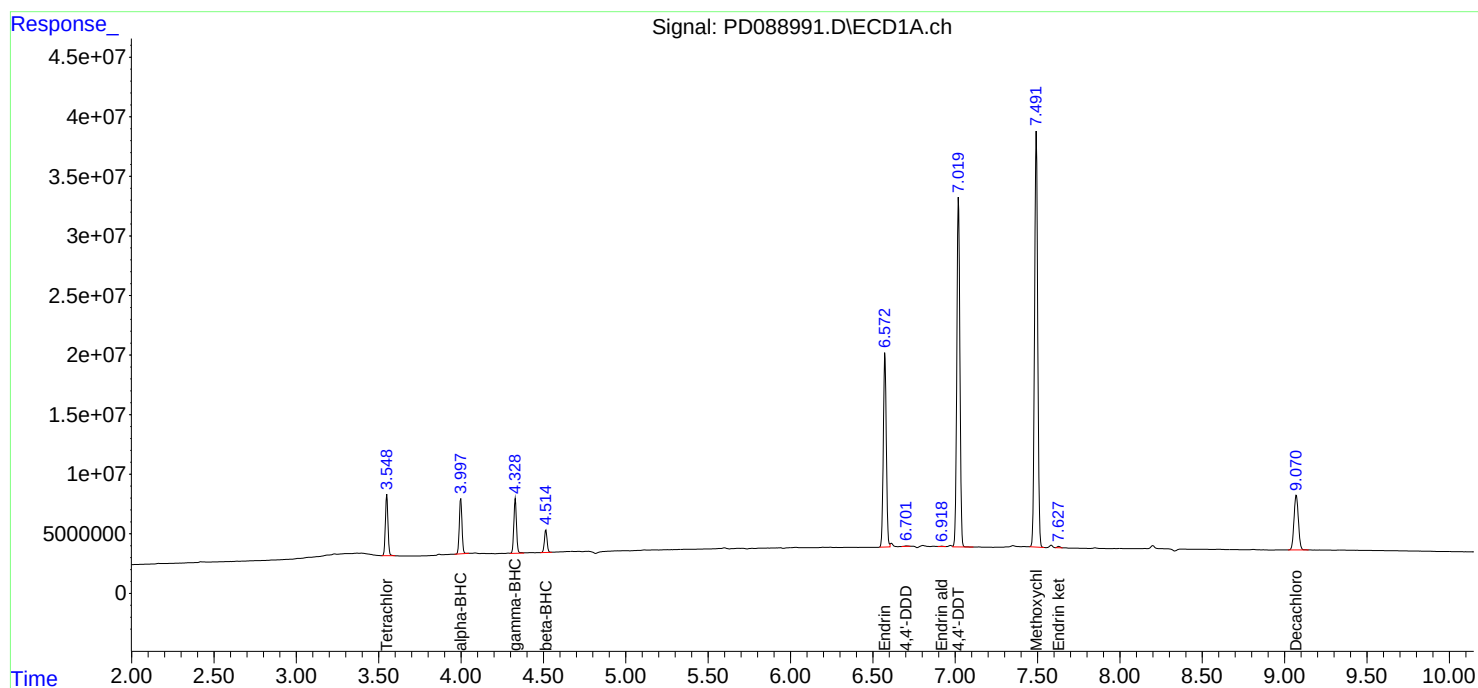
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

PEM
 Data File: PD089191.D Date Acquired 6/27/2025 18:32
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	210724285.7	222758953.7	12034668	5.40
Endrin aldehyde	6.91	2685302.48			
Endrin ketone	7.63	9349365.479			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1158024800	1242908936	84884135.7	6.83
Endrin aldehyde #2	6.26	18506437.53			
Endrin ketone #2	6.99	66377698.19			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	305775806.4	337426521.4	31650715	9.38
4,4'-DDE	6.19	891696.972			
4,4'-DDD	6.70	30759017.99			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1629679927	1807471290	177791363	9.84
4,4'-DDE #2	5.37	6331131.631			
4,4'-DDD #2	5.93	171460231.5			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089191.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 18:32
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/30/2025
 Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 27 23:14:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.880	63005766	390.9E6	22.083	23.060
28)	SA Decachlor...	9.071	8.071	82146873	403.8E6	20.915	20.426
Target Compounds							
2)	A alpha-BHC	3.998	3.392	58830525	317.1E6	10.093	11.832
3)	MA gamma-BHC...	4.328	3.729	57271214	293.6E6	10.261m	11.861
6)	B beta-BHC	4.515	4.025	24856163	115.6E6	11.262	10.758
12)	B 4,4'-DDE	6.192	5.372	891697	6331132	0.204	0.276m#
14)	MA Endrin	6.572	5.788	210.7E6	1158.0E6	51.077m	53.331
16)	A 4,4'-DDD	6.704	5.928	30759018	171.5E6	8.962	8.963
17)	MA 4,4'-DDT	7.020	6.182	305.8E6	1629.7E6	80.718	80.362
18)	B Endrin al...	6.915	6.255	2685302	18506438	0.876	1.209m#
20)	A Methoxychlor	7.492	6.753	368.7E6	1729.1E6	182.489	160.574
21)	B Endrin ke...	7.629	6.989	9349365	66377698	2.295	3.073 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 18:32
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

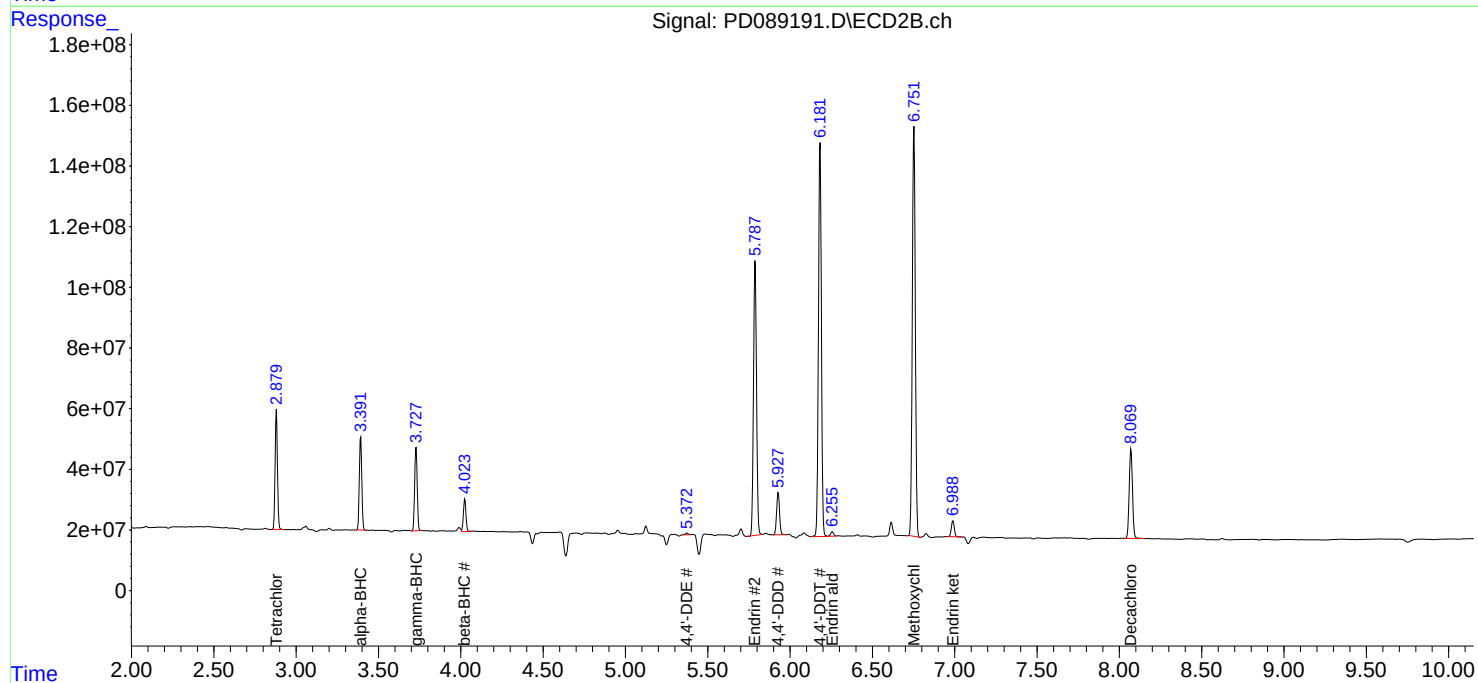
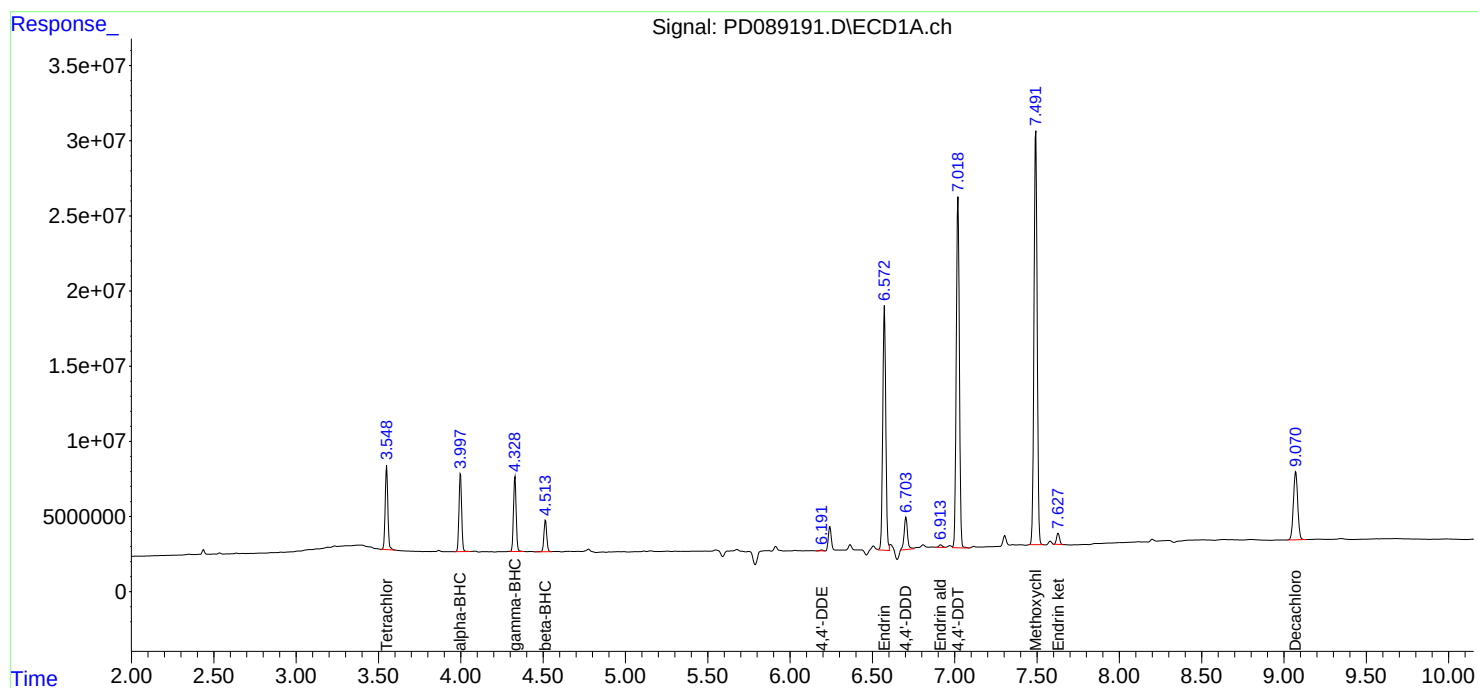
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/30/2025
Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:14:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No. (PEM): PEM - PD089213.D Date Analyzed: 06/28/2025

Lab Sample No.(PEM): PEM Time Analyzed: 00:00

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.069	8.970	9.170	21.240	20.000	6.2
Tetrachloro-m-xylene	3.549	3.500	3.600	21.750	20.000	8.8
alpha-BHC	3.998	3.950	4.050	9.890	10.000	-1.1
beta-BHC	4.515	4.460	4.570	11.040	10.000	10.4
gamma-BHC (Lindane)	4.329	4.280	4.380	10.470	10.000	4.7
Endrin	6.571	6.500	6.640	50.810	50.000	1.6
4,4'-DDT	7.019	6.950	7.090	83.800	100.000	-16.2
Methoxychlor	7.491	7.420	7.560	192.420	250.000	-23.0

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

Client Sample No. (PEM): PEM - PD089213.D Date Analyzed: 06/28/2025

Lab Sample No.(PEM): PEM Time Analyzed: 00:00

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.070	7.970	8.170	21.940	20.000	9.7
Tetrachloro-m-xylene	2.881	2.830	2.930	22.940	20.000	14.7
alpha-BHC	3.392	3.340	3.440	11.760	10.000	17.6
beta-BHC	4.024	3.970	4.070	10.480	10.000	4.8
gamma-BHC (Lindane)	3.729	3.680	3.780	11.790	10.000	17.9
Endrin	5.788	5.720	5.860	54.740	50.000	9.5
4,4'-DDT	6.182	6.110	6.250	84.500	100.000	-15.5
Methoxychlor	6.752	6.680	6.820	172.360	250.000	-31.1

PEM
 Data File: PD089213.D Date Acquired 6/28/2025 0:00
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	209611521.9	222494920.7	12883398.8	Down 5.79
Endrin aldehyde	6.91	3083231.11			
Endrin ketone	7.63	9800167.683			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1188537916	1276711490	88173573.4	6.91
Endrin aldehyde #2	6.26	21761770.35			
Endrin ketone #2	6.99	66411803.09			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	317463644.8	348856855.1	31393210.3	9.00
4,4'-DDE	6.19	851079.935			
4,4'-DDD	6.70	30542130.34			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1713624362	1890924146	177299785	9.38
4,4'-DDE #2	5.37	6383341.854			
4,4'-DDD #2	5.93	170916442.7			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089213.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 00:00
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/30/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 00:24:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.881	62047736	388.9E6	21.747	22.940
28)	SA Decachlor...	9.069	8.070	83404360	433.7E6	21.235	21.938
Target Compounds							
2)	A alpha-BHC	3.998	3.392	57674883	315.2E6	9.894	11.763
3)	MA gamma-BHC...	4.329	3.729	58458397	292.0E6	10.473	11.793
6)	B beta-BHC	4.515	4.024	24376752	112.6E6	11.045	10.482
12)	B 4,4'-DDE	6.190	5.373	851080	6383342	0.195	0.279m#
14)	MA Endrin	6.571	5.788	209.6E6	1188.5E6	50.808m	54.736
16)	A 4,4'-DDD	6.703	5.928	30542130	170.9E6	8.899	8.935
17)	MA 4,4'-DDT	7.019	6.182	317.5E6	1713.6E6	83.803	84.501
18)	B Endrin al...	6.914	6.256	3083231	21761770	1.006	1.421 #
20)	A Methoxychlor	7.491	6.752	388.8E6	1856.0E6	192.421	172.364
21)	B Endrin ke...	7.628	6.989	9800168	66411803	2.406	3.074 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089213.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 00:00
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

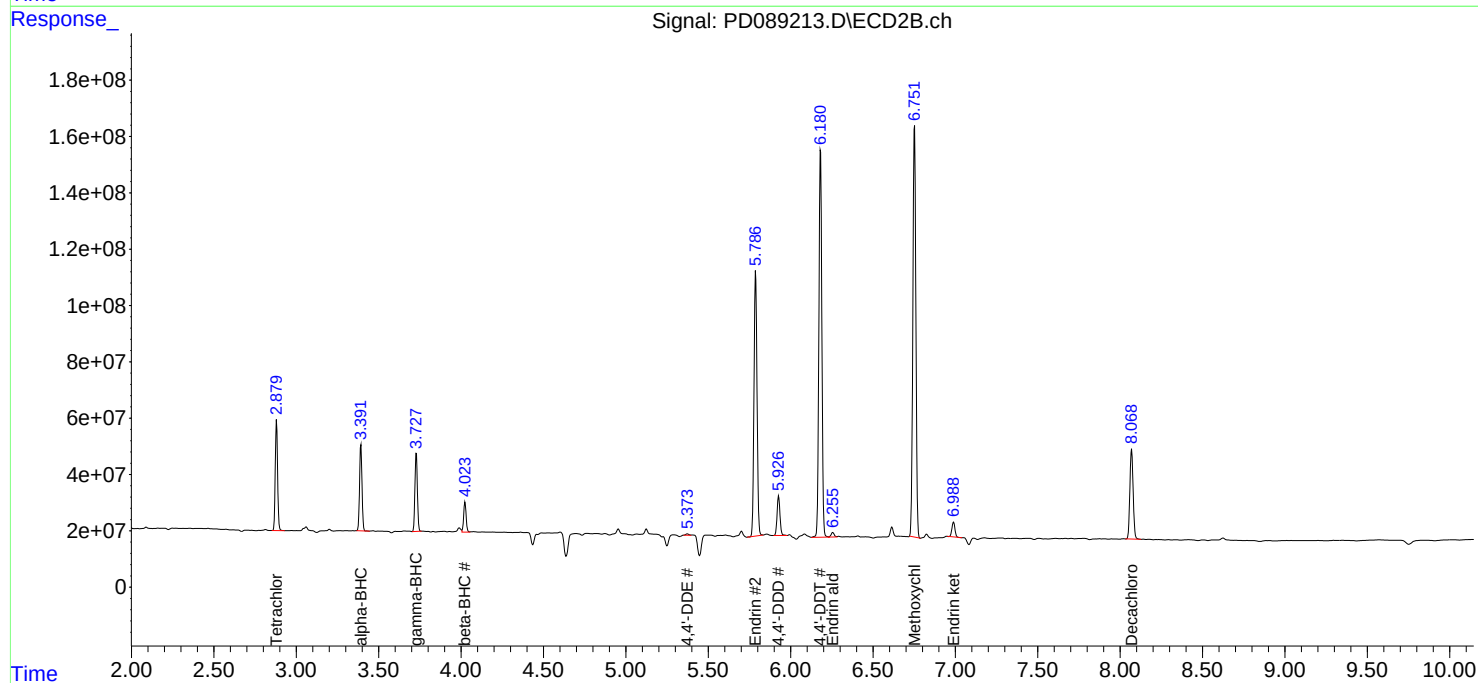
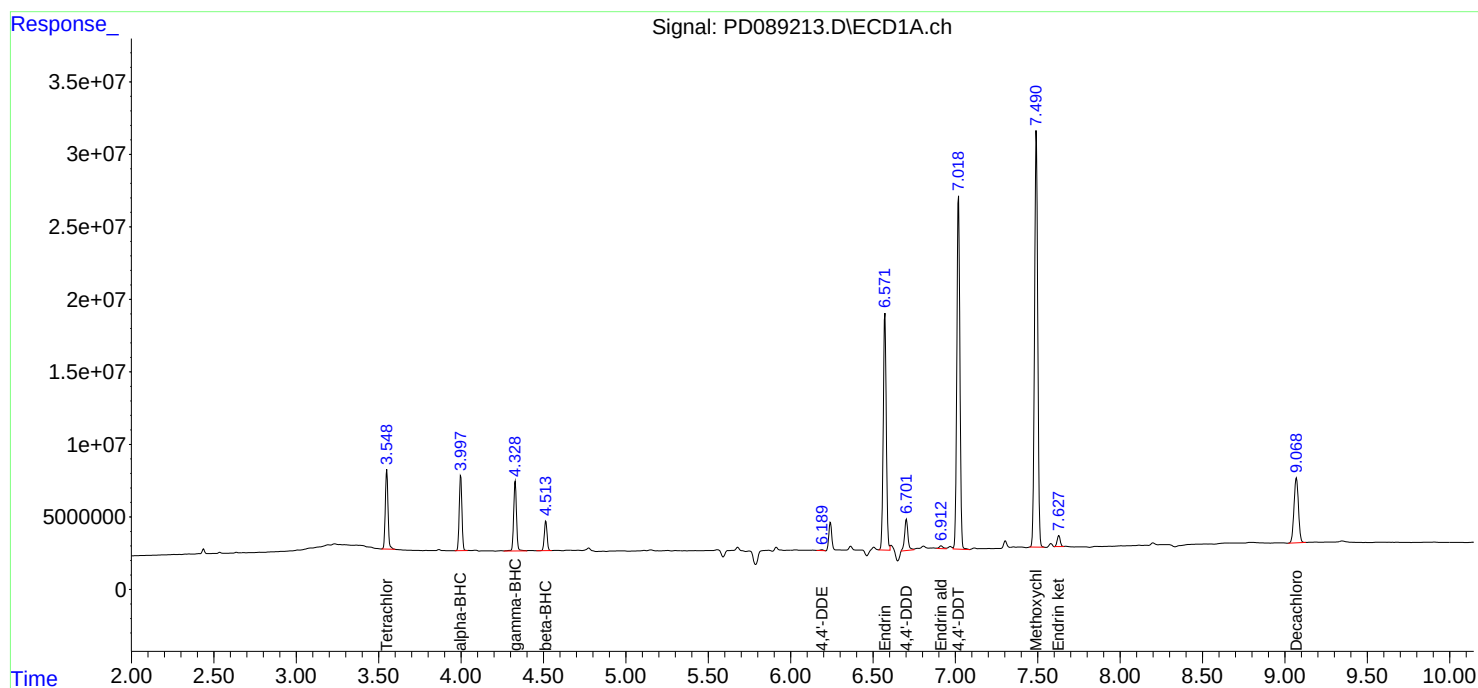
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/30/2025
Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 00:24:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No. (PEM): PEM - PD089229.D Date Analyzed: 06/30/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:02

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.073	8.970	9.170	22.620	20.000	13.1
Tetrachloro-m-xylene	3.550	3.500	3.600	23.210	20.000	16.1
alpha-BHC	3.999	3.950	4.050	10.940	10.000	9.4
beta-BHC	4.516	4.470	4.570	11.740	10.000	17.4
gamma-BHC (Lindane)	4.330	4.280	4.380	11.170	10.000	11.7
Endrin	6.574	6.500	6.640	52.040	50.000	4.1
4,4'-DDT	7.021	6.950	7.090	86.210	100.000	-13.8
Methoxychlor	7.493	7.420	7.560	196.180	250.000	-21.5

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

Client Sample No. (PEM): PEM - PD089229.D Date Analyzed: 06/30/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:02

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.071	7.970	8.170	23.170	20.000	15.9
Tetrachloro-m-xylene	2.881	2.830	2.930	24.320	20.000	21.6
alpha-BHC	3.391	3.340	3.440	12.490	10.000	24.9
beta-BHC	4.025	3.970	4.080	12.550	10.000	25.5
gamma-BHC (Lindane)	3.729	3.680	3.780	12.440	10.000	24.4
Endrin	5.788	5.720	5.860	49.470	50.000	-1.1
4,4'-DDT	6.182	6.110	6.250	83.680	100.000	-16.3
Methoxychlor	6.753	6.680	6.820	160.920	250.000	-35.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063025\
 Data File : PD089229.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jun 2025 09:02
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/01/2025
 Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 30 12:48:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	66227280	412.4E6	23.212	24.324
28)	SA Decachlor...	9.073	8.071	88823463	458.0E6	22.615	23.165
Target Compounds							
2)	A alpha-BHC	3.999	3.391	63788430	334.7E6	10.943	12.489m
3)	MA gamma-BHC...	4.330	3.729	62371582	307.9E6	11.174	12.437
6)	B beta-BHC	4.516	4.025	25909661	134.9E6	11.739	12.555
12)	B 4,4'-DDE	6.195	5.373	1210532	6390620	0.278	0.279m
14)	MA Endrin	6.574	5.788	214.7E6	1074.3E6	52.040	49.474
16)	A 4,4'-DDD	6.705	5.928	34864575	213.0E6	10.159	11.134
17)	MA 4,4'-DDT	7.021	6.182	326.6E6	1696.9E6	86.206	83.677
18)	B Endrin al...	6.915	6.256	3468112	23639825	1.132	1.544m#
20)	A Methoxychlor	7.493	6.753	396.4E6	1732.8E6	196.181	160.924
21)	B Endrin ke...	7.630	6.989	13245717	98382328	3.252	4.554 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063025\
Data File : PD089229.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 09:02
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

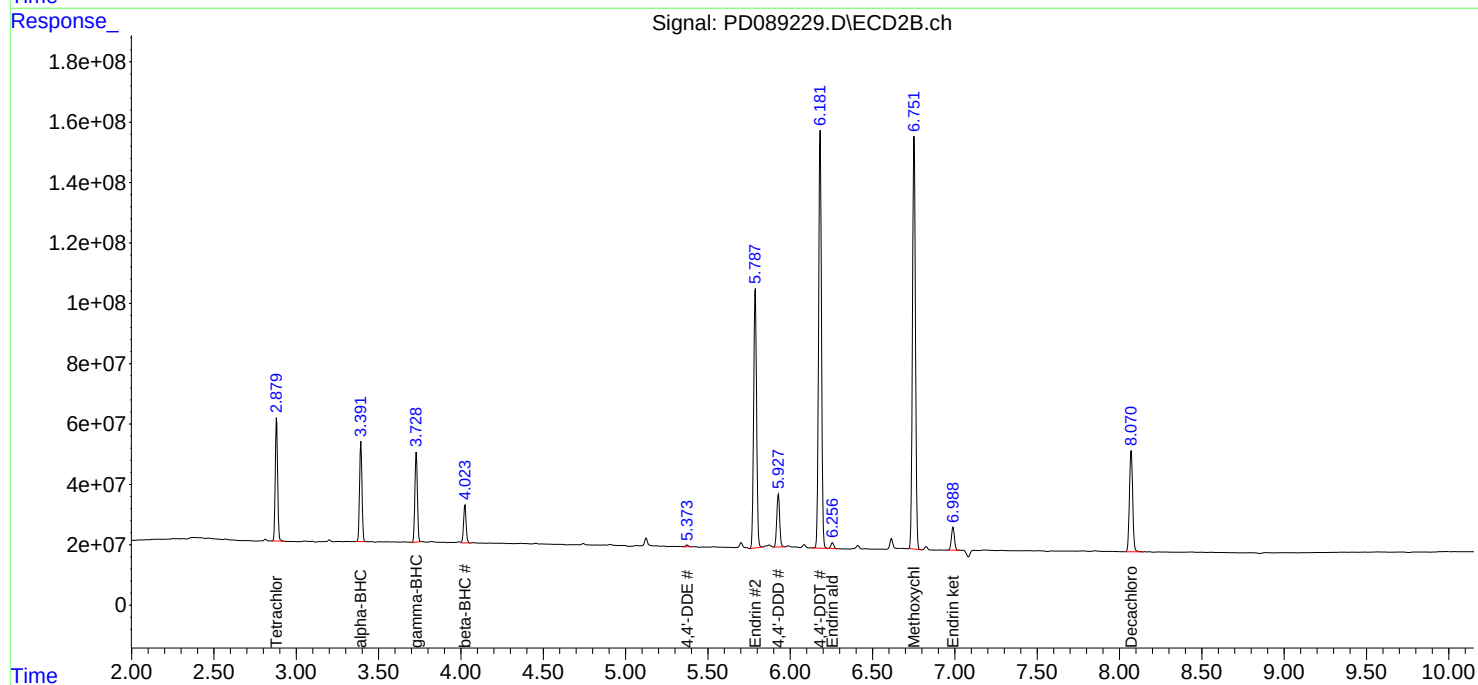
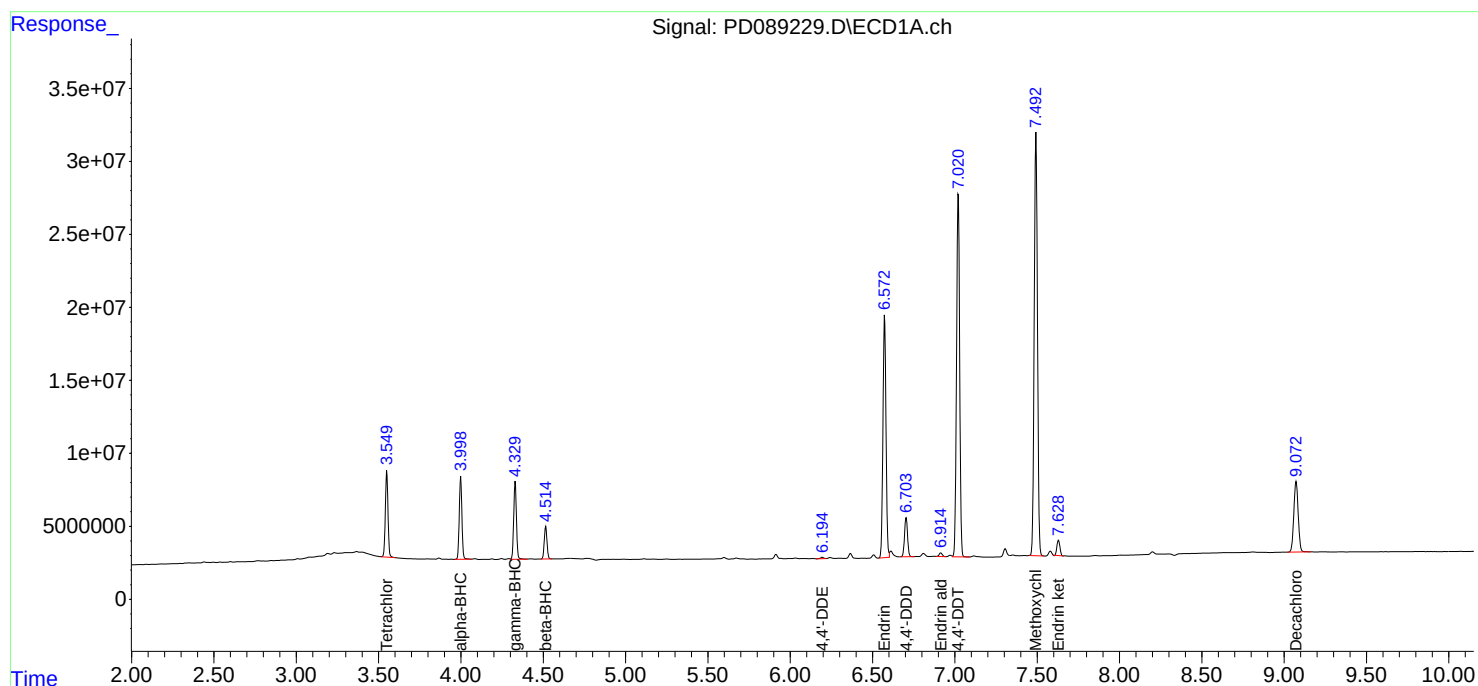
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/01/2025
Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 30 12:48:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Analytical Sequence

Client: CDM Smith

SDG No.: Q2436

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
PEM	PEM	06/27/2025	18:32	PD089191.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
PB168637BL	PB168637BL	06/27/2025	22:25	PD089206.D	9.07	3.55
MH-E/FMS	Q2436-01MS	06/27/2025	23:19	PD089210.D	9.07	3.55
MH-E/FMSD	Q2436-01MSD	06/27/2025	23:33	PD089211.D	9.07	3.55
IBLK	IBLK	06/27/2025	23:47	PD089212.D	9.07	3.55
PEM	PEM	06/28/2025	00:00	PD089213.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/28/2025	00:14	PD089214.D	9.07	3.55
TP-70	Q2436-01	06/28/2025	00:41	PD089215.D	9.07	3.55
TP-69	Q2436-02	06/28/2025	00:55	PD089216.D	9.07	3.55
TP-85	Q2436-03	06/28/2025	01:09	PD089217.D	9.07	3.55
TP-86	Q2436-04	06/28/2025	01:22	PD089218.D	9.07	3.55
TP-84	Q2436-05	06/28/2025	01:36	PD089219.D	9.07	3.55
TP-83	Q2436-06	06/28/2025	01:50	PD089220.D	9.07	3.55
TP-87	Q2436-07	06/28/2025	02:03	PD089221.D	9.07	3.55
TP-100	Q2436-08	06/28/2025	02:17	PD089222.D	9.07	3.55
TP-99	Q2436-09	06/28/2025	02:31	PD089223.D	9.07	3.55
TP-82	Q2436-10	06/28/2025	02:44	PD089224.D	9.07	3.55
IBLK	IBLK	06/28/2025	02:58	PD089225.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/28/2025	03:12	PD089226.D	9.07	3.55
IBLK	IBLK	06/30/2025	08:48	PD089228.D	9.07	3.55
PEM	PEM	06/30/2025	09:02	PD089229.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/30/2025	09:56	PD089230.D	9.08	3.56
PB168637BS	PB168637BS	06/30/2025	12:29	PD089233.D	9.08	3.56
IBLK	IBLK	06/30/2025	16:35	PD089240.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/30/2025	17:08	PD089241.D	9.08	3.56

Analytical Sequence

Client: CDM Smith

SDG No.: Q2436

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
PSTDICCC100	PSTDICCC100	06/17/2025	15:52	PD088993.D	8.07	2.88
PSTDICCC075	PSTDICCC075	06/17/2025	16:06	PD088994.D	8.07	2.88
PSTDICCC050	PSTDICCC050	06/17/2025	16:20	PD088995.D	8.07	2.88
PSTDICCC025	PSTDICCC025	06/17/2025	16:33	PD088996.D	8.07	2.88
PSTDICCC005	PSTDICCC005	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
PEM	PEM	06/27/2025	18:32	PD089191.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
PB168637BL	PB168637BL	06/27/2025	22:25	PD089206.D	8.07	2.88
MH-E/FMS	Q2436-01MS	06/27/2025	23:19	PD089210.D	8.07	2.88
MH-E/FMSD	Q2436-01MSD	06/27/2025	23:33	PD089211.D	8.07	2.88
IBLK	IBLK	06/27/2025	23:47	PD089212.D	8.07	2.88
PEM	PEM	06/28/2025	00:00	PD089213.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/28/2025	00:14	PD089214.D	8.07	2.88
TP-70	Q2436-01	06/28/2025	00:41	PD089215.D	8.07	2.88
TP-69	Q2436-02	06/28/2025	00:55	PD089216.D	8.07	2.88
TP-85	Q2436-03	06/28/2025	01:09	PD089217.D	8.07	2.88
TP-86	Q2436-04	06/28/2025	01:22	PD089218.D	8.07	2.88
TP-84	Q2436-05	06/28/2025	01:36	PD089219.D	8.07	2.88
TP-83	Q2436-06	06/28/2025	01:50	PD089220.D	8.07	2.88
TP-87	Q2436-07	06/28/2025	02:03	PD089221.D	8.07	2.88
TP-100	Q2436-08	06/28/2025	02:17	PD089222.D	8.08	2.87
TP-99	Q2436-09	06/28/2025	02:31	PD089223.D	8.07	2.88
TP-82	Q2436-10	06/28/2025	02:44	PD089224.D	8.07	2.88
IBLK	IBLK	06/28/2025	02:58	PD089225.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/28/2025	03:12	PD089226.D	8.07	2.88
IBLK	IBLK	06/30/2025	08:48	PD089228.D	8.07	2.88
PEM	PEM	06/30/2025	09:02	PD089229.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/30/2025	09:56	PD089230.D	8.07	2.88
PB168637BS	PB168637BS	06/30/2025	12:29	PD089233.D	8.07	2.88
IBLK	IBLK	06/30/2025	16:35	PD089240.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/30/2025	17:08	PD089241.D	8.07	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH-E/FMS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: Q2430-01MS

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	16.6	2.4
	2	5.93	5.88	5.98	16.2	
4,4'-DDT	1	7.02	6.97	7.07	14.4	8.6
	2	6.18	6.13	6.23	15.7	
Aldrin	1	5.27	5.22	5.32	16.7	0.6
	2	4.37	4.32	4.42	16.8	
4,4'-DDE	1	6.20	6.15	6.25	16.4	0.6
	2	5.37	5.32	5.42	16.5	
Endosulfan II	1	6.79	6.74	6.84	16.1	1.8
	2	6.08	6.03	6.13	16.4	
Endrin aldehyde	1	6.91	6.86	6.96	15.9	0.6
	2	6.26	6.21	6.31	16.0	
Endosulfan sulfate	1	7.15	7.10	7.20	15.9	0.6
	2	6.48	6.43	6.53	16.0	
Methoxychlor	1	7.49	7.44	7.54	13.4	4.4
	2	6.75	6.70	6.80	14.0	
Endrin ketone	1	7.63	7.58	7.68	16.1	1.2
	2	6.99	6.94	7.04	16.3	
alpha-BHC	1	4.00	3.95	4.05	16.3	4.2
	2	3.39	3.34	3.44	17.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.4	2.4
	2	3.73	3.68	3.78	16.8	
Heptachlor	1	4.93	4.88	4.98	15.8	1.9
	2	4.08	4.03	4.13	16.1	
beta-BHC	1	4.52	4.47	4.57	16.5	1.2
	2	4.03	3.98	4.08	16.7	
delta-BHC	1	4.76	4.71	4.81	17.2	2.4
	2	4.26	4.21	4.31	16.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH-E/FMS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436

SDG NO.: Q2436

Lab Sample ID: Q2430-01MS

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		
Heptachlor epoxide	1	5.69	5.64	5.74	16.2	2.4
	2	4.87	4.82	4.92	16.6	
Endosulfan I	1	6.07	6.02	6.12	16.4	1.8
	2	5.25	5.20	5.30	16.7	
gamma-Chlordane	1	5.95	5.90	6.00	16.6	0
	2	5.13	5.08	5.18	16.6	
alpha-Chlordane	1	6.03	5.98	6.08	16.3	1.2
	2	5.19	5.14	5.24	16.5	
Dieldrin	1	6.35	6.30	6.40	16.3	1.2
	2	5.51	5.46	5.56	16.5	
Endrin	1	6.57	6.52	6.62	15.6	2.5
	2	5.79	5.74	5.84	16.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH-E/FMSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: Q2430-01MSD

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 sulfate	1	7.15	7.10	7.20	15.9	1.3
	2	6.48	6.43	6.53	16.1	
Methoxychlor	1	7.49	7.44	7.54	13.5	5.1
	2	6.75	6.70	6.80	14.2	
Endrin ketone	1	7.63	7.58	7.68	16.0	2.5
	2	6.99	6.94	7.04	16.4	
alpha-BHC	1	4.00	3.95	4.05	16.4	3.6
	2	3.39	3.34	3.44	17.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.5	1.8
	2	3.73	3.68	3.78	16.8	
Heptachlor	1	4.93	4.88	4.98	15.9	1.3
	2	4.08	4.03	4.13	16.1	
Aldrin	1	5.27	5.22	5.32	16.8	0
	2	4.37	4.32	4.42	16.8	
beta-BHC	1	4.52	4.47	4.57	16.6	0.6
	2	4.03	3.98	4.08	16.7	
delta-BHC	1	4.76	4.71	4.81	17.3	2.9
	2	4.26	4.21	4.31	16.8	
Heptachlor epoxide	1	5.69	5.64	5.74	16.3	2.4
	2	4.87	4.82	4.92	16.7	
Endosulfan I	1	6.07	6.02	6.12	16.4	2.4
	2	5.25	5.20	5.30	16.8	
gamma-Chlordane	1	5.94	5.89	5.99	16.6	0.6
	2	5.12	5.07	5.17	16.7	
alpha-Chlordane	1	6.03	5.98	6.08	16.3	1.8
	2	5.19	5.14	5.24	16.6	
4,4'-DDE	1	6.19	6.14	6.24	16.4	1.2
	2	5.37	5.32	5.42	16.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH-E/FMSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436

SDG NO.: Q2436

Lab Sample ID: Q2430-01MSD

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		
Dieldrin	1	6.35	6.30	6.40	16.4	1.2
	2	5.51	5.46	5.56	16.6	
Endrin	1	6.57	6.52	6.62	15.7	3.8
	2	5.79	5.74	5.84	16.3	
Endosulfan II	1	6.78	6.73	6.83	15.9	4.3
	2	6.08	6.03	6.13	16.6	
4,4'-DDD	1	6.70	6.65	6.75	16.7	2.4
	2	5.93	5.88	5.98	16.3	
4,4'-DDT	1	7.02	6.97	7.07	14.4	9.3
	2	6.18	6.13	6.23	15.8	
Endrin aldehyde	1	6.91	6.86	6.96	15.9	1.3
	2	6.26	6.21	6.31	16.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168637BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: PB168637BS

Date(s) Analyzed: 06/30/2025 06/30/2025

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	17.7	2.9
	2	5.93	5.88	5.98	17.2	
4,4'-DDE	1	6.20	6.15	6.25	16.4	1.8
	2	5.38	5.33	5.43	16.1	
4,4'-DDT	1	7.03	6.98	7.08	12.8	0
	2	6.19	6.14	6.24	12.8	
alpha-BHC	1	4.01	3.96	4.06	16.9	3
	2	3.39	3.34	3.44	16.4	
Aldrin	1	5.28	5.23	5.33	17.1	4.2
	2	4.37	4.32	4.42	16.4	
alpha-Chlordane	1	6.03	5.98	6.08	16.4	1.8
	2	5.19	5.14	5.24	16.1	
Endosulfan II	1	6.79	6.74	6.84	16.4	2.5
	2	6.08	6.03	6.13	16.0	
Endosulfan sulfate	1	7.16	7.11	7.21	16.0	1.3
	2	6.48	6.43	6.53	15.8	
beta-BHC	1	4.52	4.47	4.57	16.2	1.2
	2	4.03	3.98	4.08	16.0	
delta-BHC	1	4.77	4.72	4.82	17.5	7.1
	2	4.26	4.21	4.31	16.3	
Endosulfan I	1	6.08	6.03	6.13	16.5	0.6
	2	5.25	5.20	5.30	16.4	
Dieldrin	1	6.36	6.31	6.41	16.7	3.7
	2	5.51	5.46	5.56	16.1	
Endrin aldehyde	1	6.92	6.87	6.97	15.8	0.6
	2	6.26	6.21	6.31	15.7	
Methoxychlor	1	7.50	7.45	7.55	12.0	0.8
	2	6.76	6.71	6.81	12.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168637BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: PB168637BS

Date(s) Analyzed: 06/30/2025 06/30/2025

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	16.4	0
	2	6.99	6.94	7.04	16.4	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	16.9	3.6
	2	3.73	3.68	3.78	16.3	
Heptachlor	1	4.94	4.89	4.99	16.0	5.1
	2	4.08	4.03	4.13	15.2	
Heptachlor epoxide	1	5.70	5.65	5.75	16.5	1.2
	2	4.87	4.82	4.92	16.3	
gamma-Chlordane	1	5.95	5.90	6.00	16.9	4.2
	2	5.13	5.08	5.18	16.2	
Endrin	1	6.58	6.53	6.63	14.7	2.1
	2	5.79	5.74	5.84	14.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-100

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: Q2436-08

Date(s) Analyzed: 06/28/2025 06/28/2025

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		
Heptachlor epoxide	1	5.69	5.64	5.74	1.10	24
	2	4.88	4.83	4.93	1.40	
gamma-Chlordane	1	5.95	5.90	6.00	12.9	32.4
	2	5.14	5.09	5.19	9.30	
alpha-Chlordane	1	6.03	5.98	6.08	22.9	48.9
	2	5.20	5.15	5.25	13.9	
Dieldrin	1	6.35	6.30	6.40	0.82	29.1
	2	5.52	5.47	5.57	1.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-82

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: Q2436-10

Date(s) Analyzed: 06/28/2025 06/28/2025

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		
Heptachlor epoxide	1	5.69	5.64	5.74	0.29	10.5
	2	4.87	4.82	4.92	0.33	
gamma-Chlordane	1	5.95	5.90	6.00	1.30	16.7
	2	5.12	5.07	5.17	1.10	
alpha-Chlordane	1	6.03	5.98	6.08	2.50	38.1
	2	5.19	5.14	5.24	1.70	
Dieldrin	1	6.35	6.30	6.40	0.44	33.2
	2	5.51	5.46	5.56	0.62	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-83

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: Q2436-06 Date(s) Analyzed: 06/28/2025 06/28/2025

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'-DDE	1	6.19	6.14	6.24	0.20	27.2
	2	5.37	5.32	5.42	0.26	



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168637BL	SDG No.:	Q2436
Lab Sample ID:	PB168637BL	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
PD089206.D	1	06/27/25 09:00	06/27/25 22:25	PB168637

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	17.1		20 - 144	86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		19 - 148	88%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168637BL	SDG No.:	Q2436
Lab Sample ID:	PB168637BL	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
PD089206.D	1	06/27/25 09:00	06/27/25 22:25	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 22:25
Operator : AR\AJ
Sample : PB168637BL
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168637BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:18:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	45037947	298.7E6	15.785	17.620
28)	SA Decachlor...	9.068	8.070	64368792	338.5E6	16.389	17.121

Target Compounds

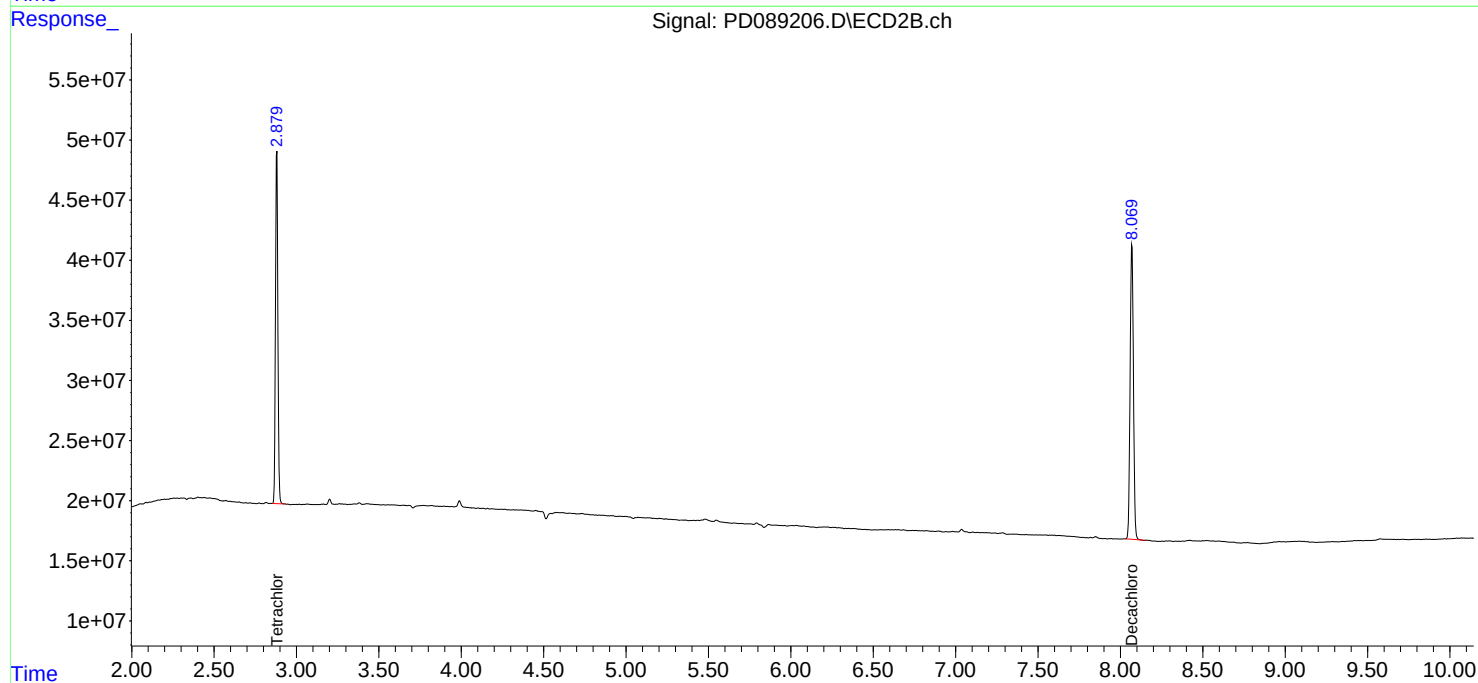
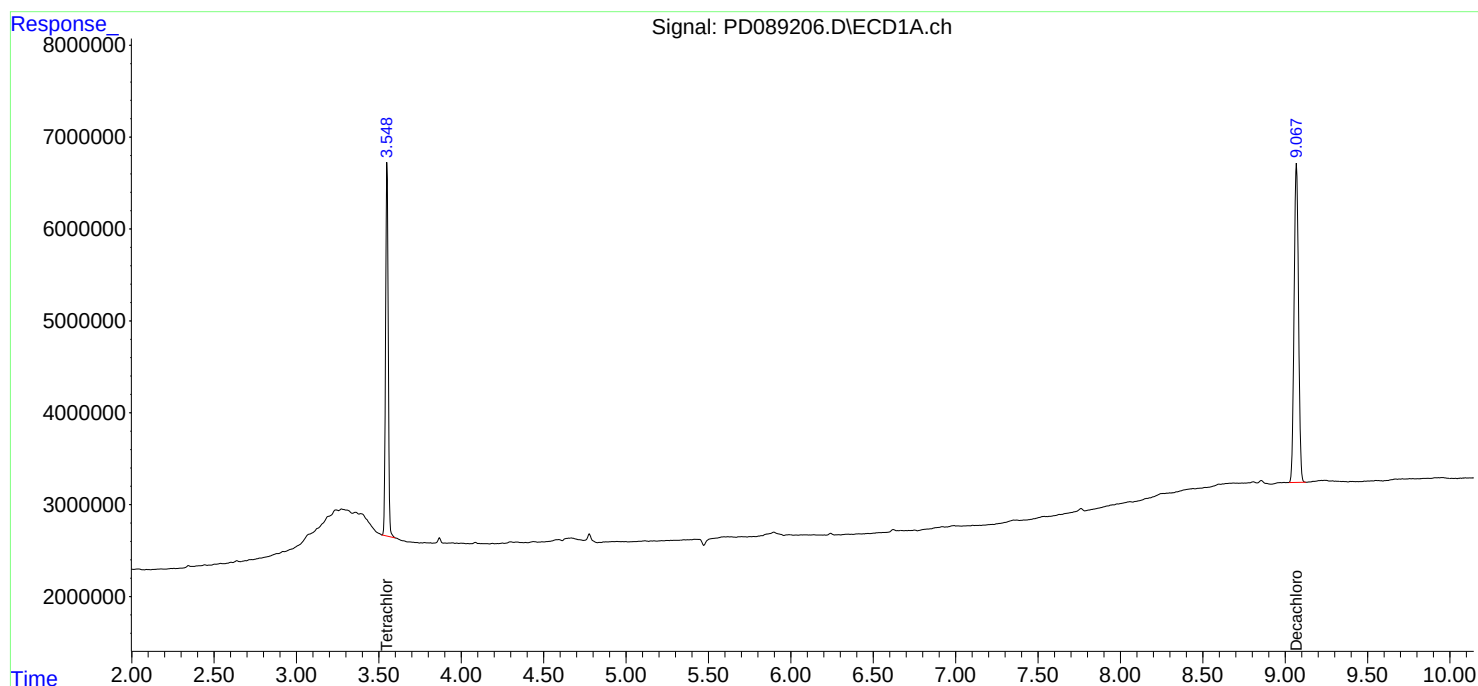
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

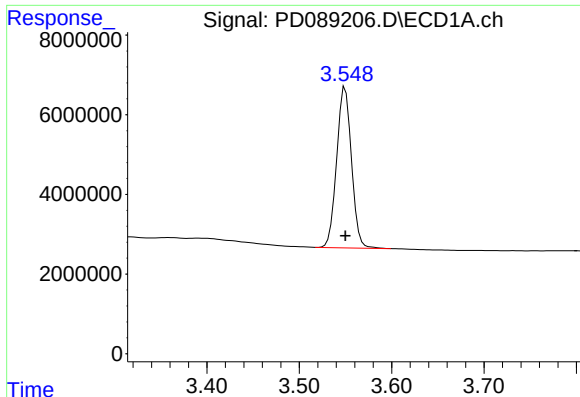
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 22:25
Operator : AR\AJ
Sample : PB168637BL
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168637BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:18:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

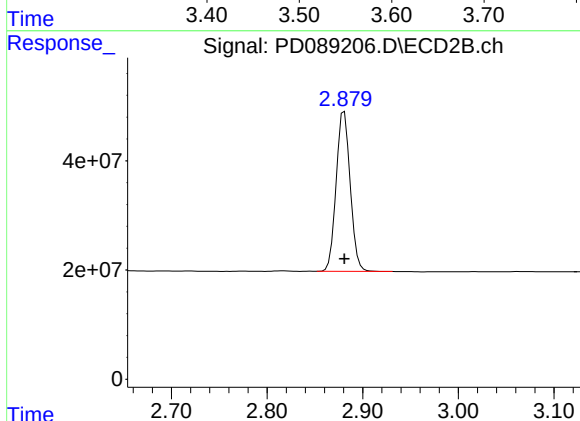




#1 Tetrachloro-m-xylene

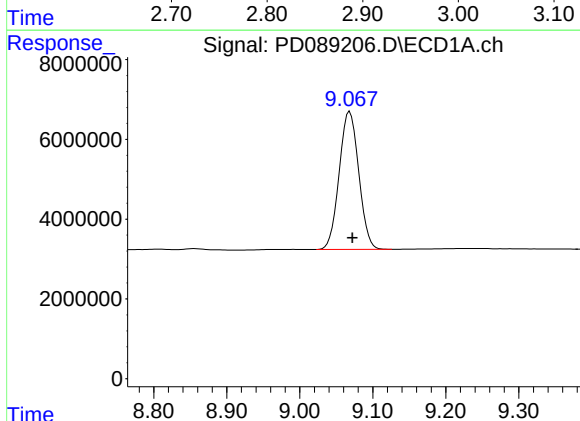
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 45037947
Conc: 15.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168637BL



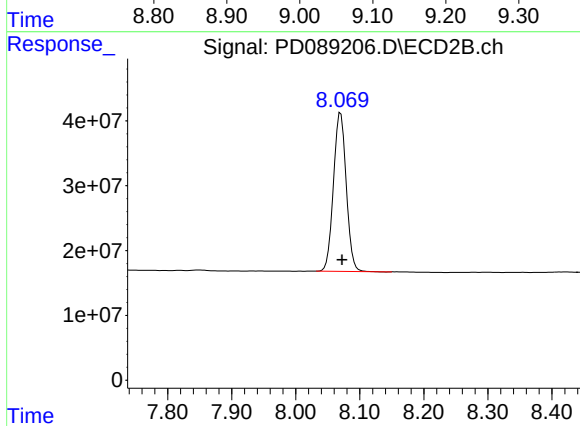
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 298707505
Conc: 17.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 64368792
Conc: 16.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 338490829
Conc: 17.12 ng/ml

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.:	Q2436
Lab Sample ID:	I.BLK-PD088990.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

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

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

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.:	Q2436
Lab Sample ID:	I.BLK-PD088990.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.881	45828945	299.5E6	16.063	17.668
28)	SA Decachlor...	9.072	8.072	71428242	368.1E6	18.186	18.617

Target Compounds

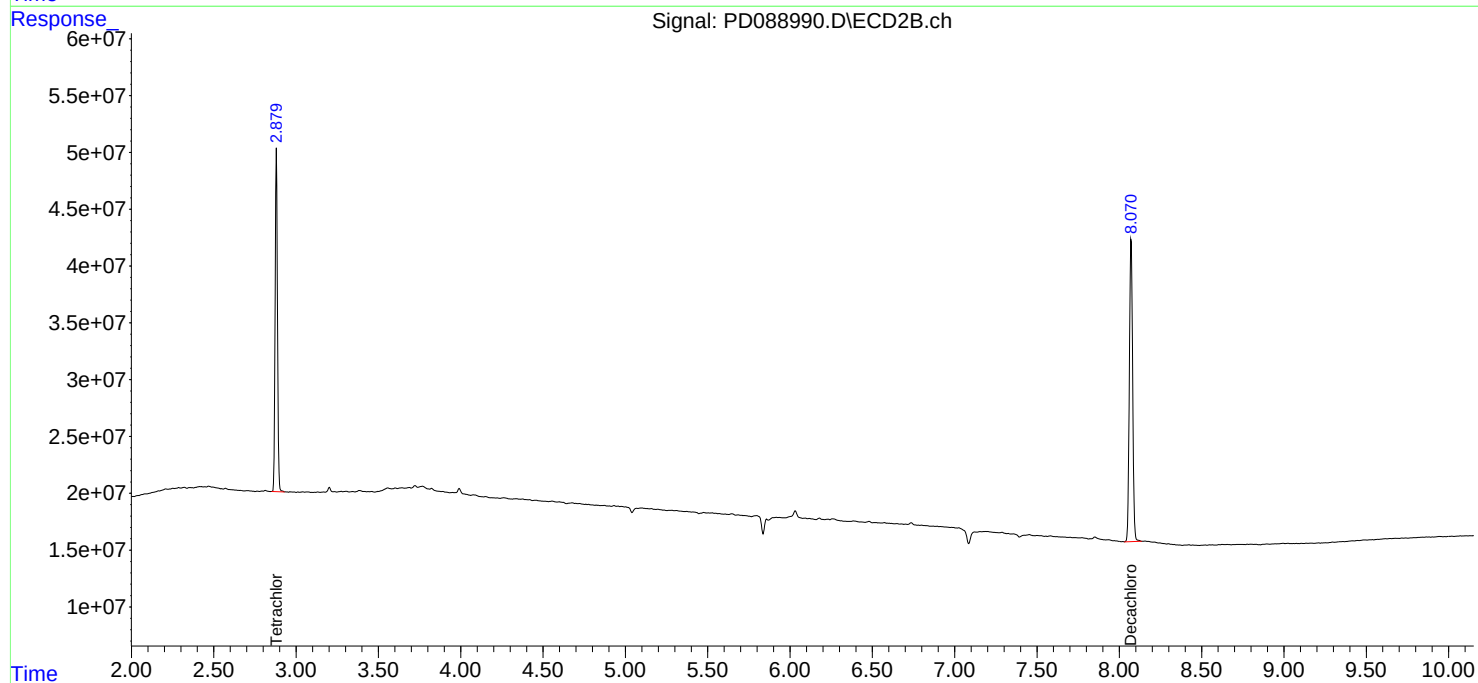
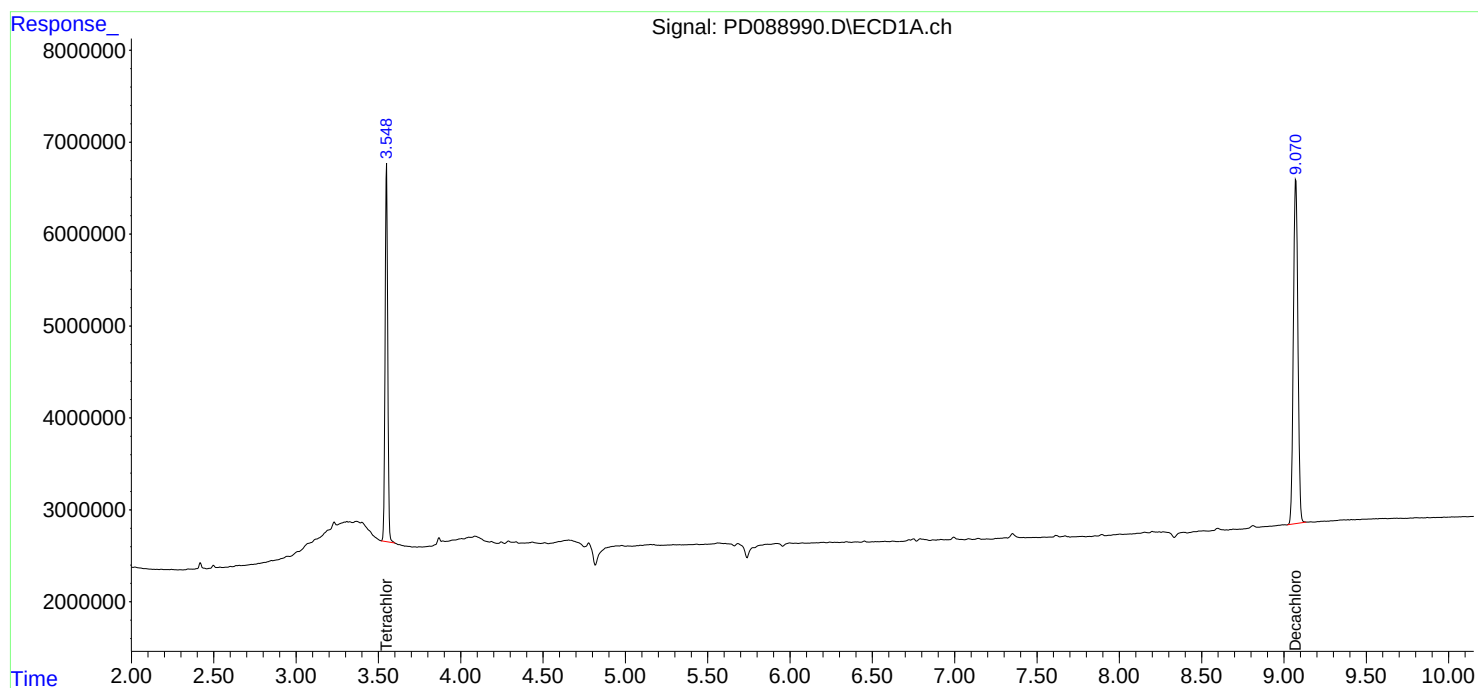
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

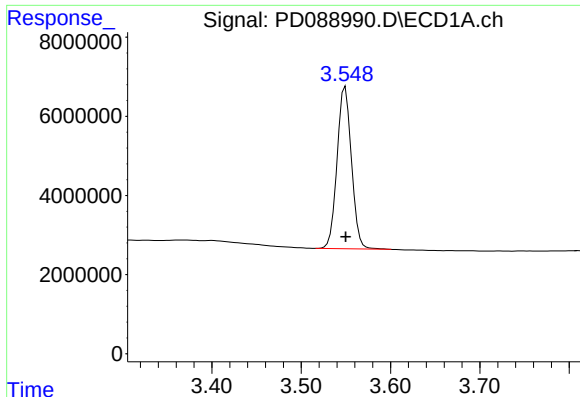
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

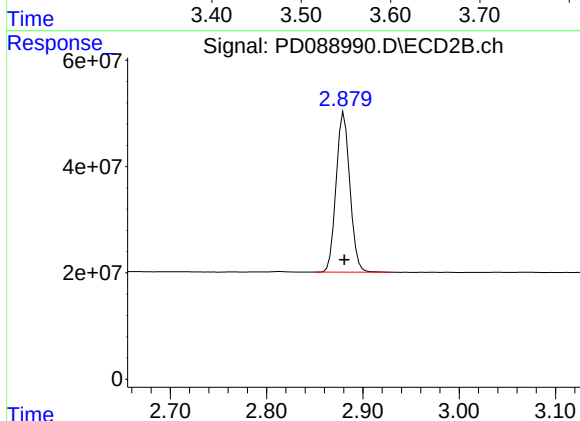




#1 Tetrachloro-m-xylene

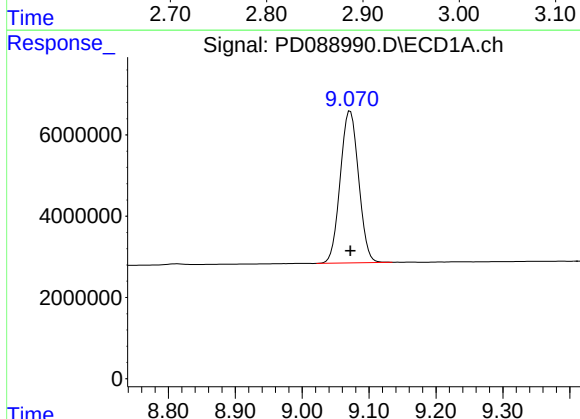
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 45828945
Conc: 16.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



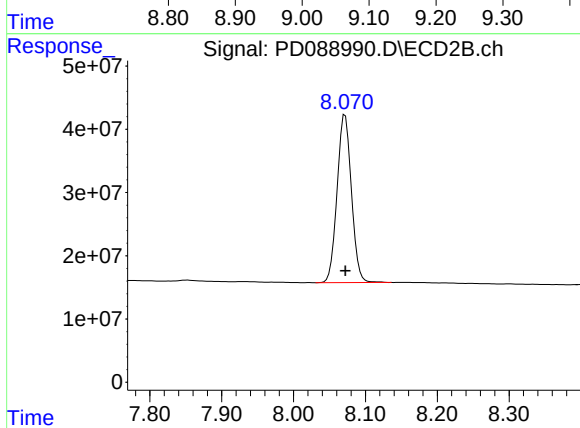
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 299529104
Conc: 17.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 71428242
Conc: 18.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 368061815
Conc: 18.62 ng/ml

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.:	Q2436
Lab Sample ID:	I.BLK-PD089201.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
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.:	Q2436
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	Injection Volume :	
Prep Method :	3510C		

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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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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 21:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:16:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	65250412	415.2E6	22.870	24.492
28)	SA Decachlor...	9.069	8.070	88041878	432.8E6	22.416	21.892

Target Compounds

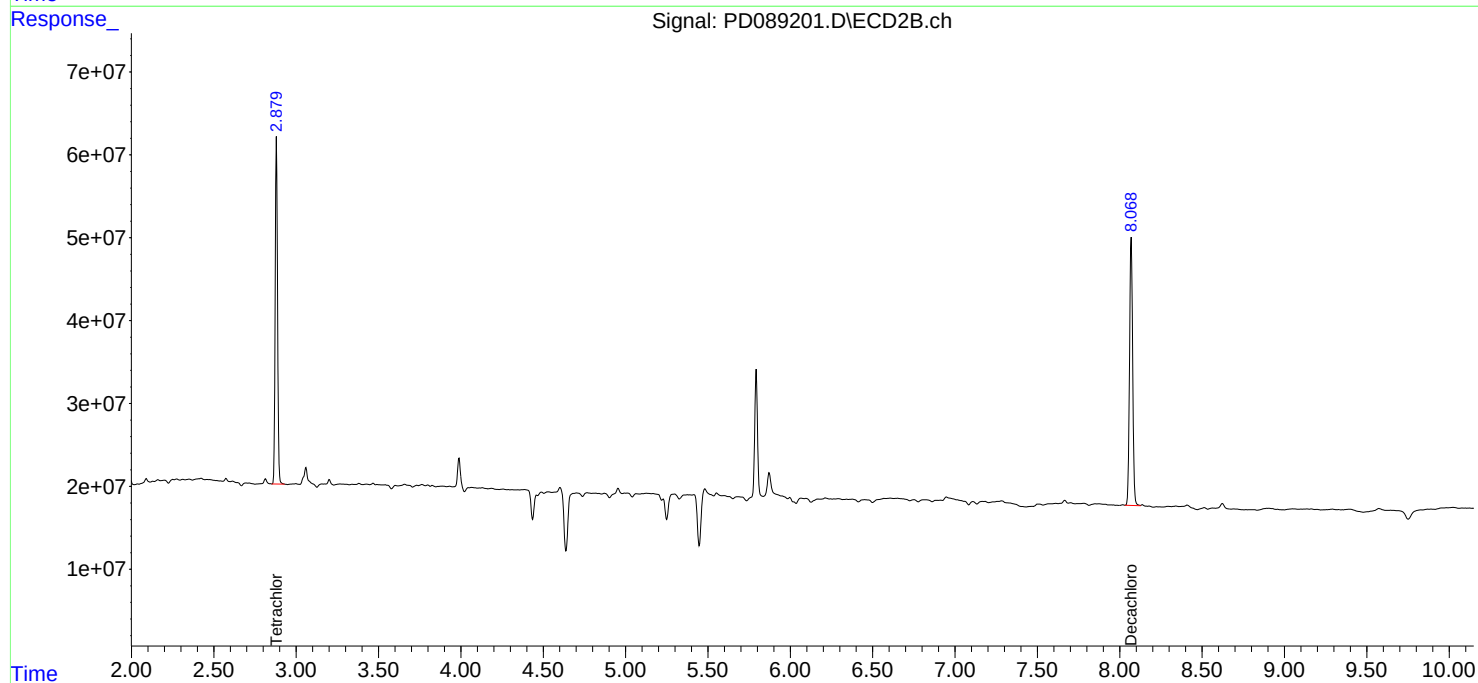
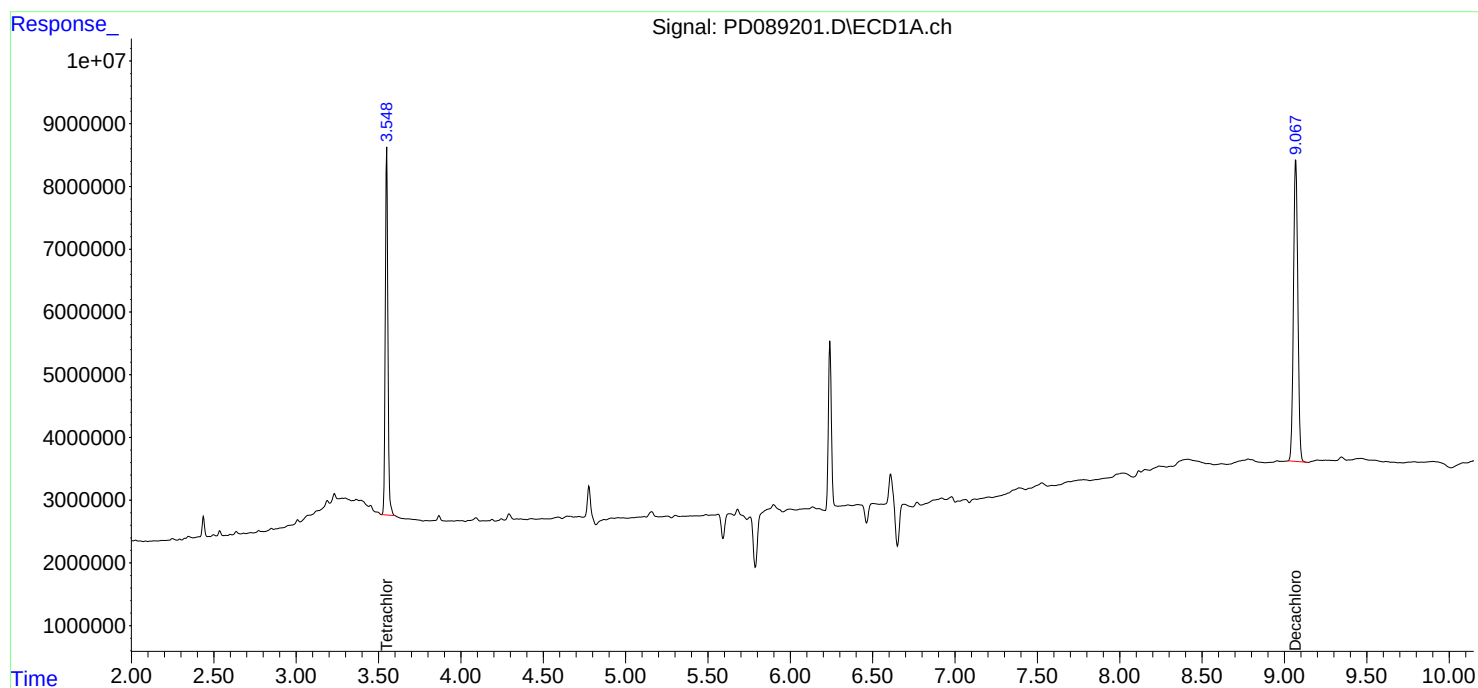
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

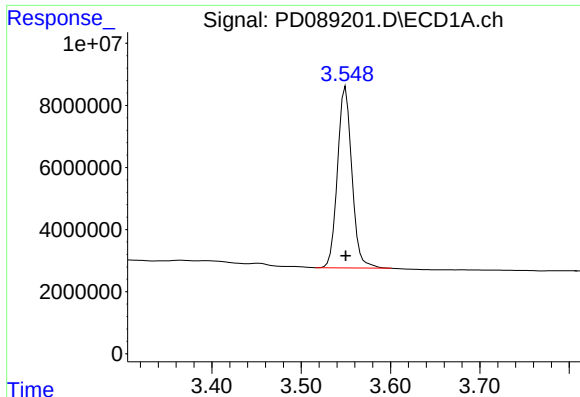
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 21:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:16:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

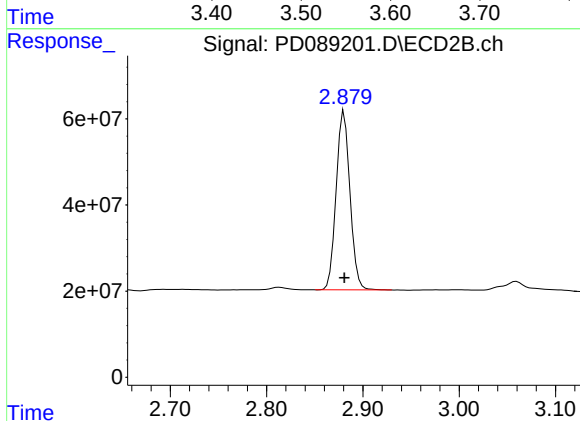




#1 Tetrachloro-m-xylene

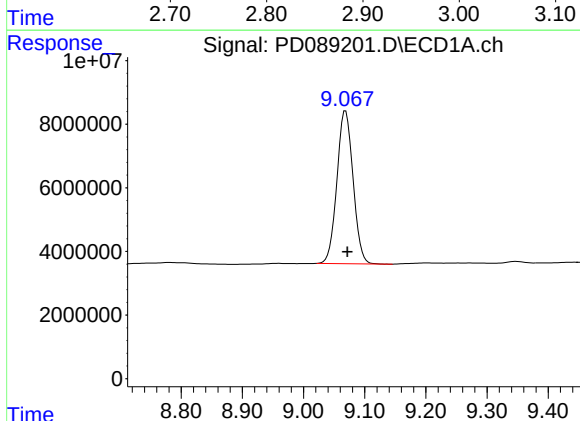
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 65250412
Conc: 22.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



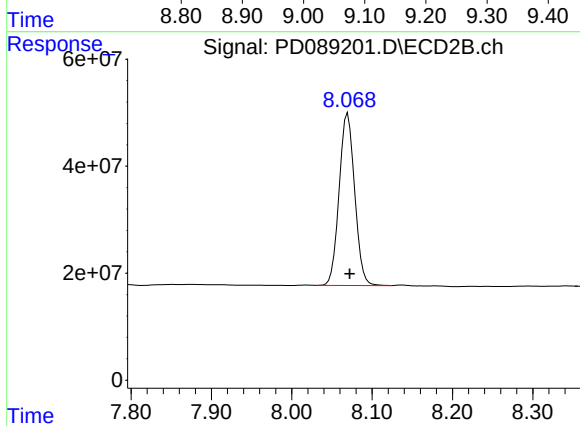
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 415210842
Conc: 24.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.003 min
Response: 88041878
Conc: 22.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 432808244
Conc: 21.89 ng/ml

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-PD089212.D			SDG No.:	Q2436	
Lab Sample ID:	I.BLK-PD089212.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
PD089212.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	24.2		57 - 171	121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.1		61 - 148	126%	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-PD089212.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089212.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089212.D	1		06/27/25	pd062825

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089212.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 23:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 00:24:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	66131302	425.5E6	23.178	25.098
28)	SA Decachlor...	9.070	8.070	91260508	477.6E6	23.236	24.156

Target Compounds

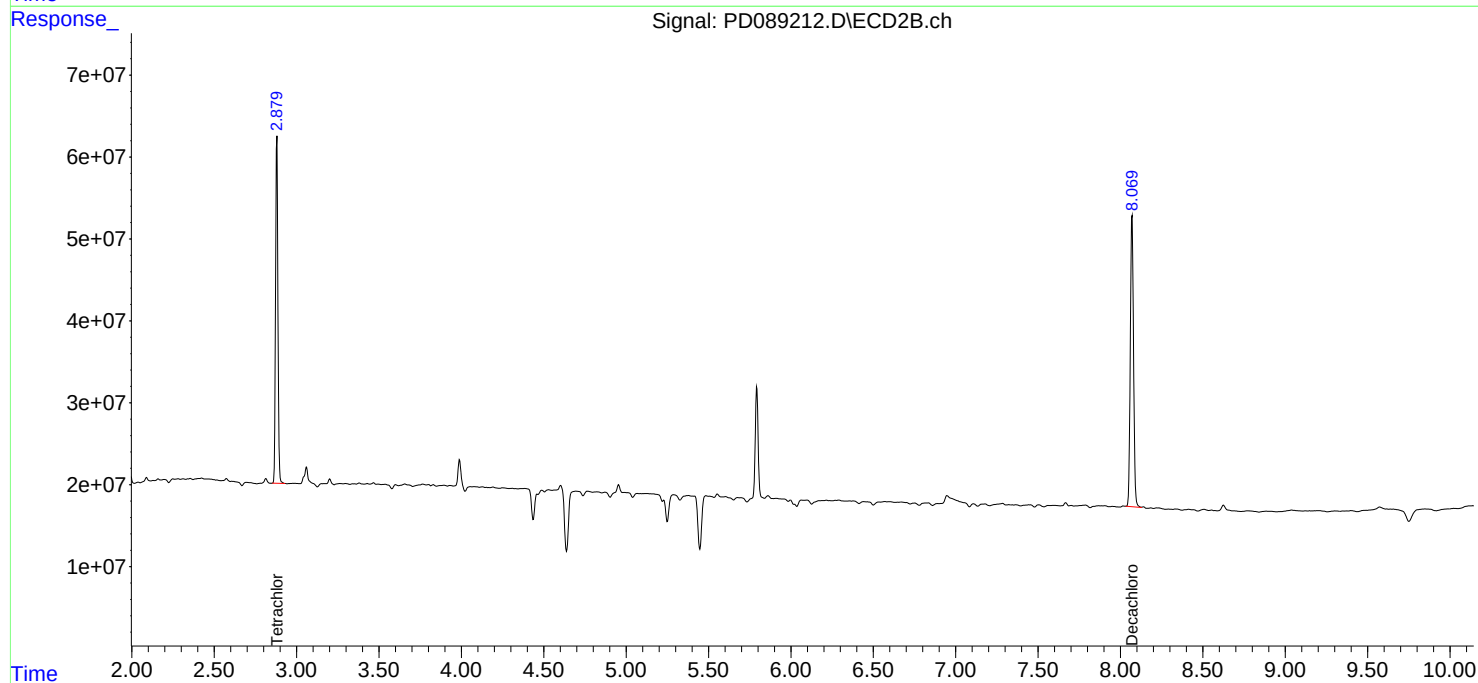
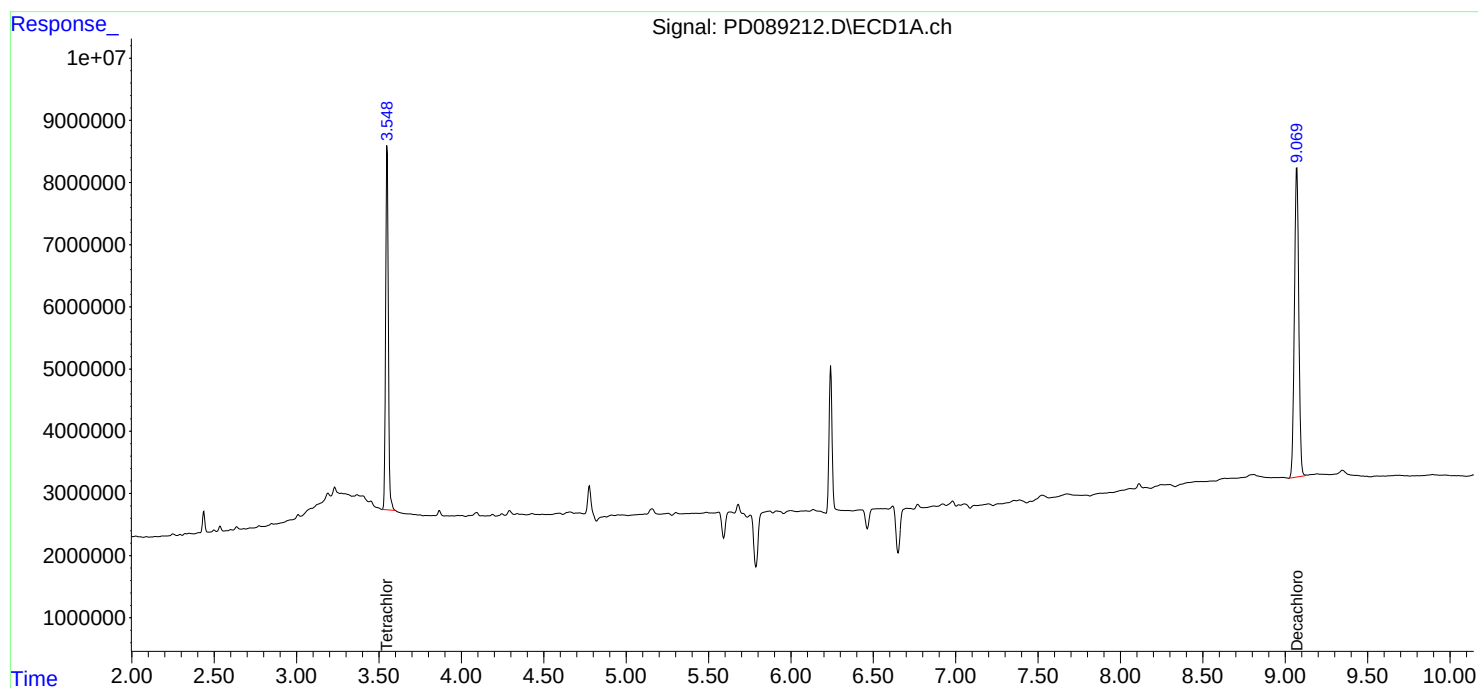
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

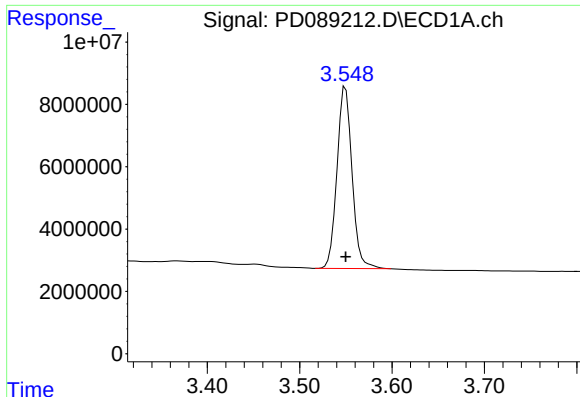
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089212.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 23:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 00:24:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

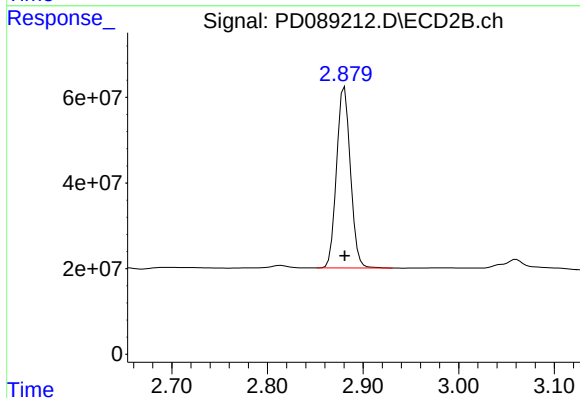




#1 Tetrachloro-m-xylene

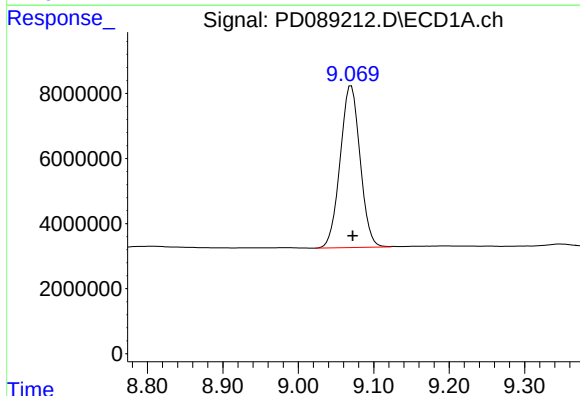
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 66131302
Conc: 23.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



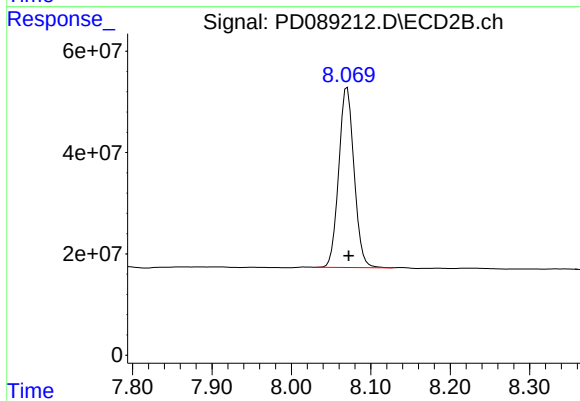
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 425497728
Conc: 25.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 91260508
Conc: 23.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 477558187
Conc: 24.16 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/28/25
Project:	South River WM Replacement	Date Received:	06/28/25
Client Sample ID:	PIBLK-PD089225.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089225.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
PD089225.D	1		06/28/25	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	24.6		57 - 171	123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.7		61 - 148	129%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/28/25
Project:	South River WM Replacement	Date Received:	06/28/25
Client Sample ID:	PIBLK-PD089225.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089225.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089225.D	1		06/28/25	pd062825

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089225.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 02:58
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 03:51:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.881	67357719	435.8E6	23.608	25.705
28)	SA Decachlor...	9.071	8.071	93705174	486.5E6	23.858	24.608

Target Compounds

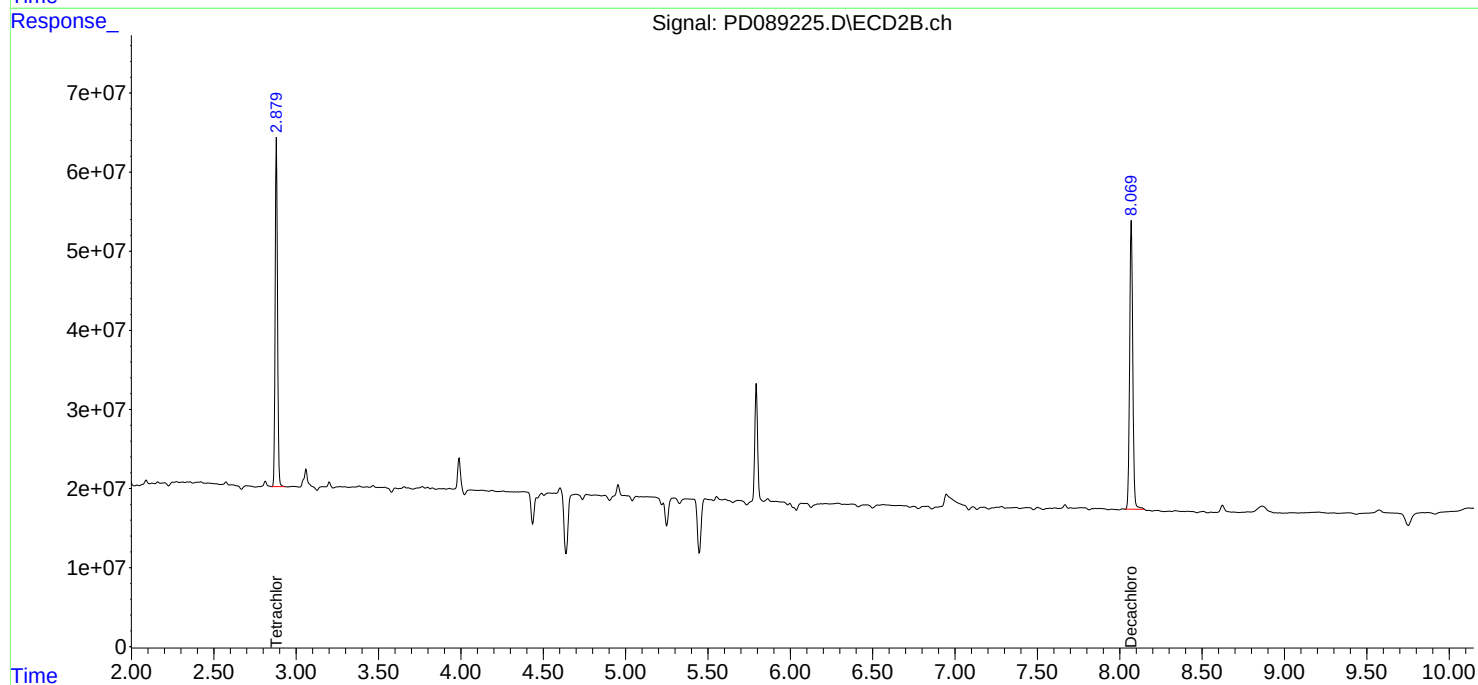
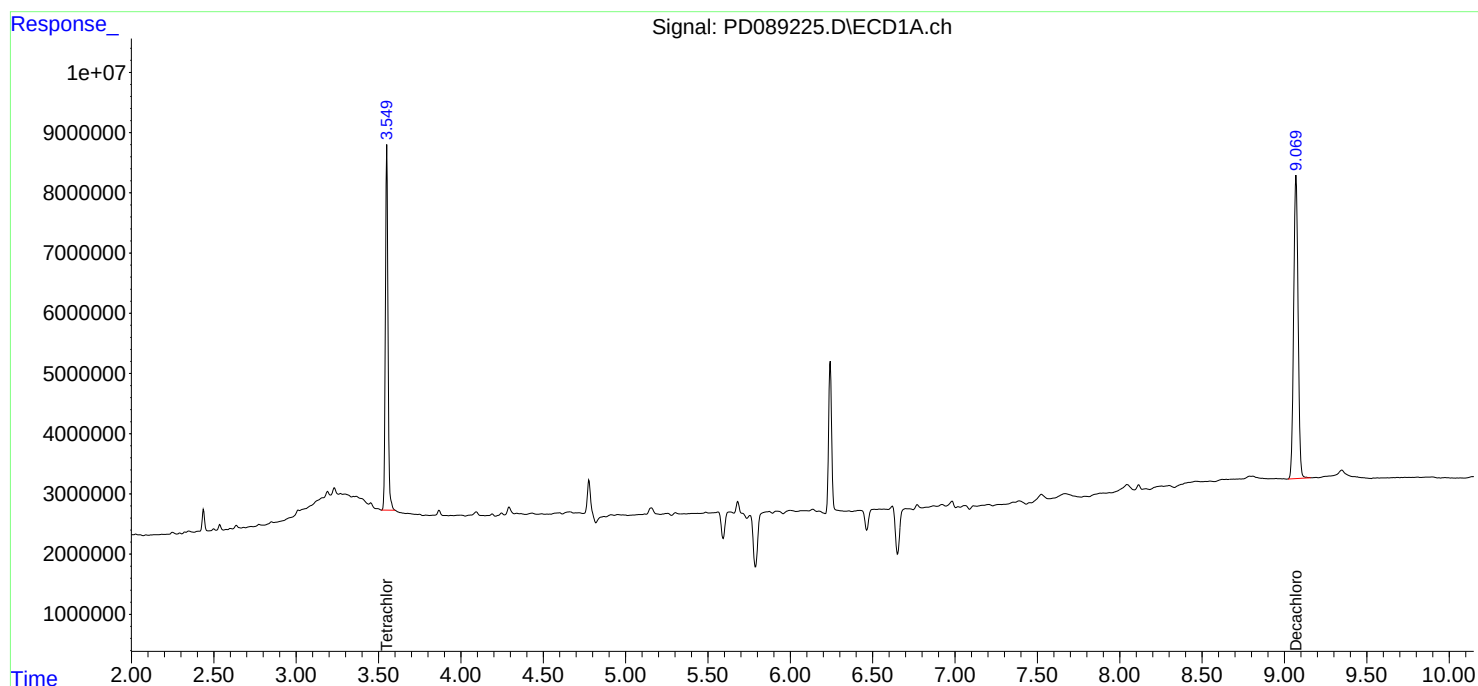
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

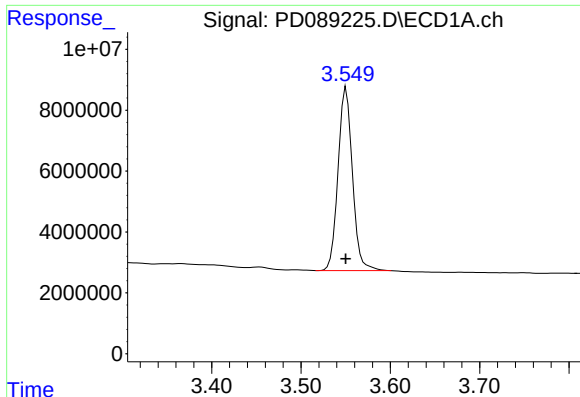
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 02:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 03:51:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

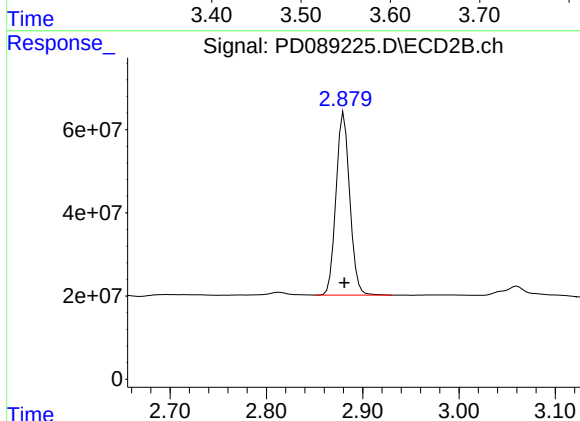




#1 Tetrachloro-m-xylene

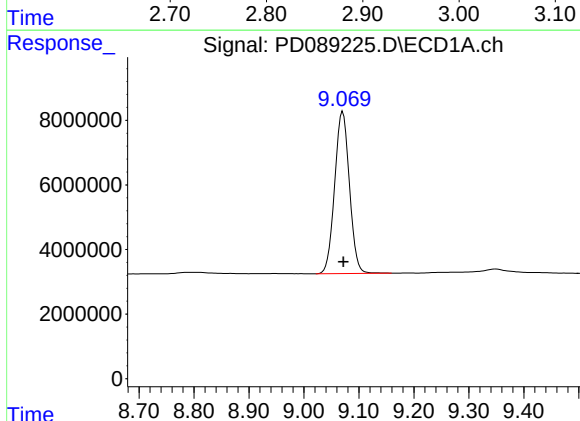
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 67357719
Conc: 23.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



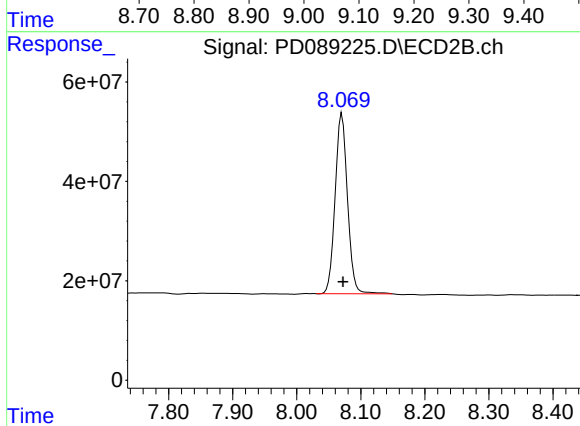
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 435781249
Conc: 25.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 93705174
Conc: 23.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 486497419
Conc: 24.61 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/30/25
Project:	South River WM Replacement	Date Received:	06/30/25
Client Sample ID:	PIBLK-PD089228.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089228.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
PD089228.D	1		06/30/25	PD063025

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	20.1		57 - 171	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		61 - 148	105%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/30/25
Project:	South River WM Replacement	Date Received:	06/30/25
Client Sample ID:	PIBLK-PD089228.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089228.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089228.D	1		06/30/25	PD063025

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063025\
Data File : PD089228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 08:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 30 12:47:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.880	54095205	356.9E6	18.960	21.053
28)	SA Decachlor...	9.074	8.071	77124160	396.6E6	19.636	20.058

Target Compounds

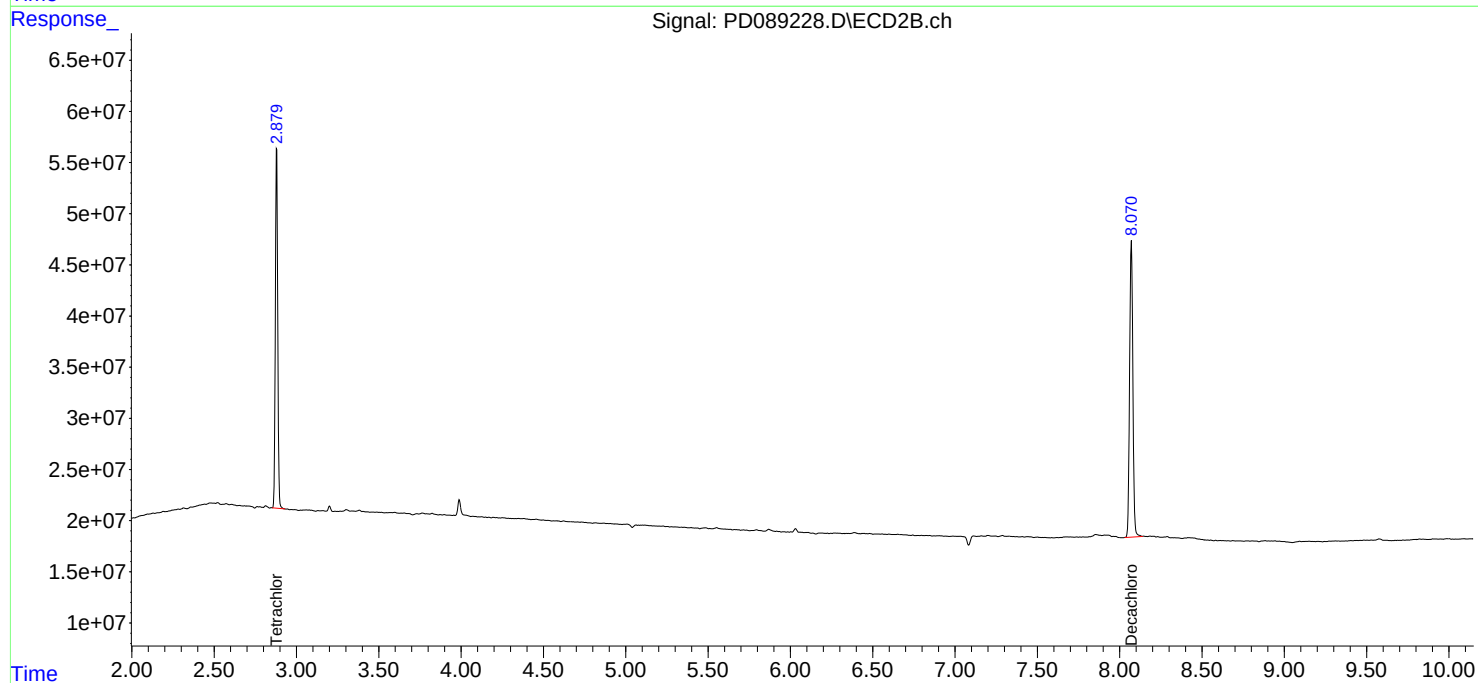
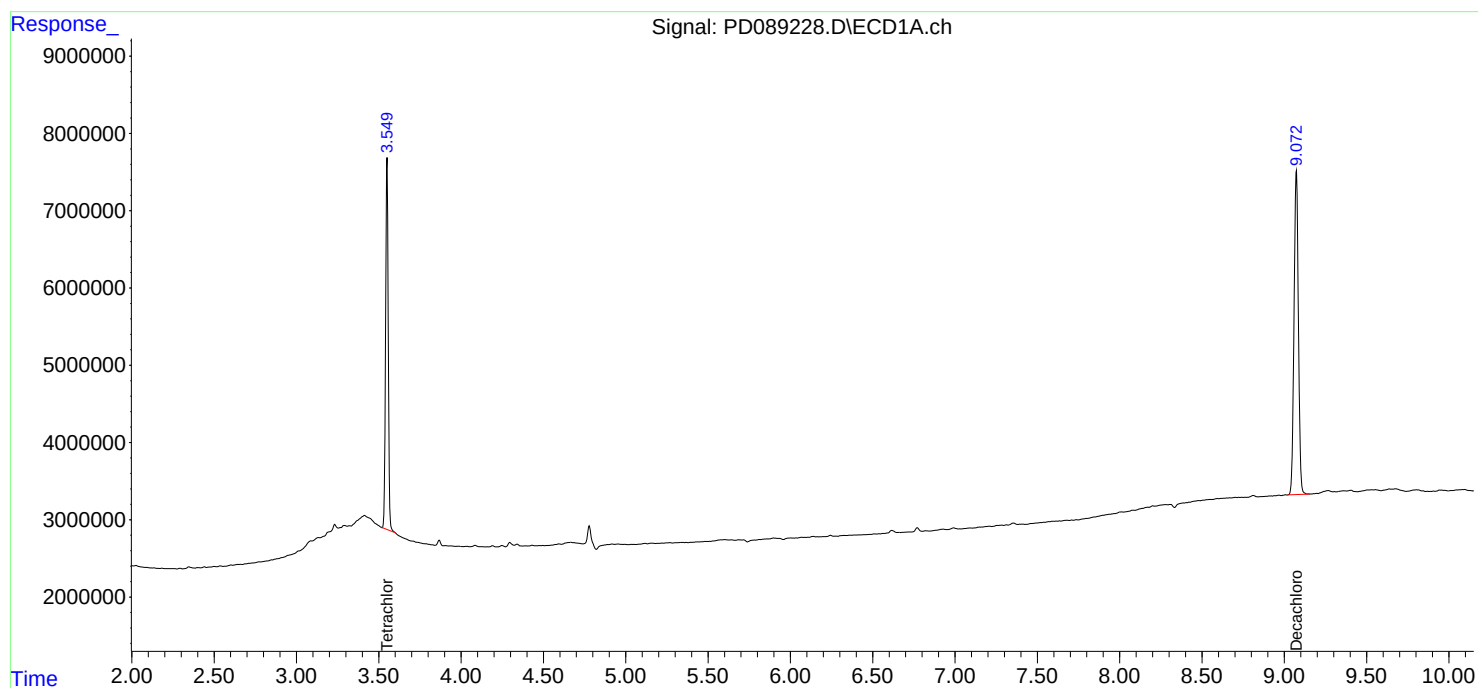
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

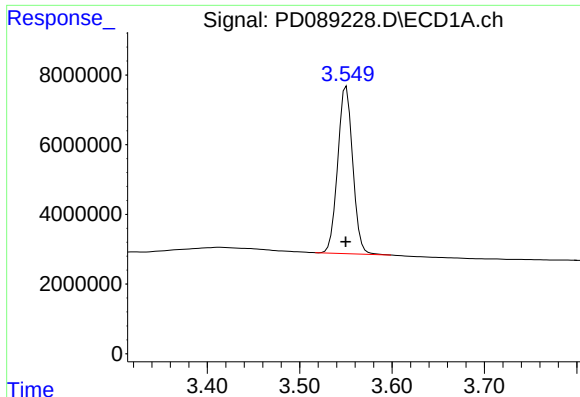
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063025\
Data File : PD089228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 08:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 30 12:47:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

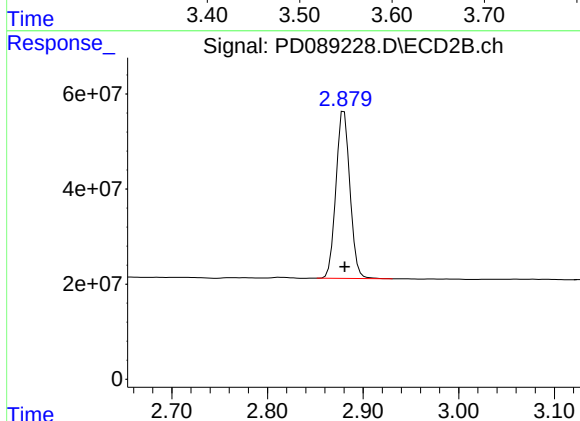




#1 Tetrachloro-m-xylene

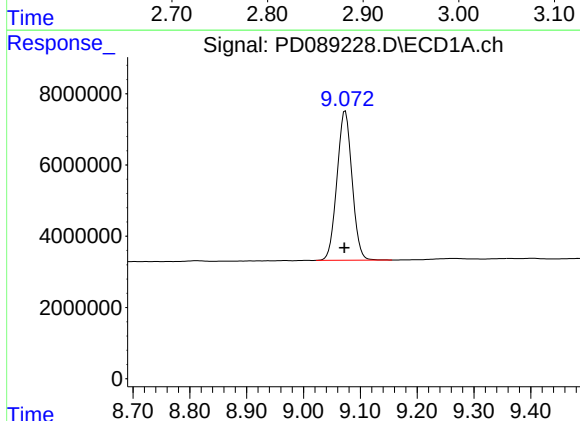
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 54095205
Conc: 18.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



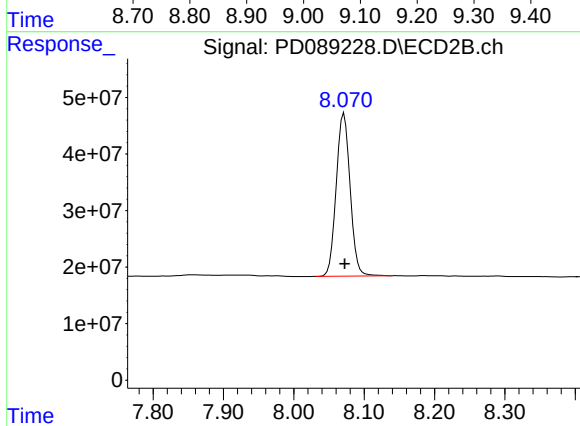
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 356908704
Conc: 21.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.002 min
Response: 77124160
Conc: 19.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 396551779
Conc: 20.06 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/30/25
Project:	South River WM Replacement	Date Received:	06/30/25
Client Sample ID:	PIBLK-PD089240.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089240.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
PD089240.D	1		06/30/25	pd063025

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	19.7		57 - 171	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		61 - 148	104%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/30/25
Project:	South River WM Replacement	Date Received:	06/30/25
Client Sample ID:	PIBLK-PD089240.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089240.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089240.D	1		06/30/25	pd063025

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063025\
 Data File : PD089240.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jun 2025 16:35
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 01:34:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	54240216	352.6E6	19.011	20.796
28)	SA Decachlor...	9.073	8.071	77318195	347.0E6	19.686	17.551

Target Compounds

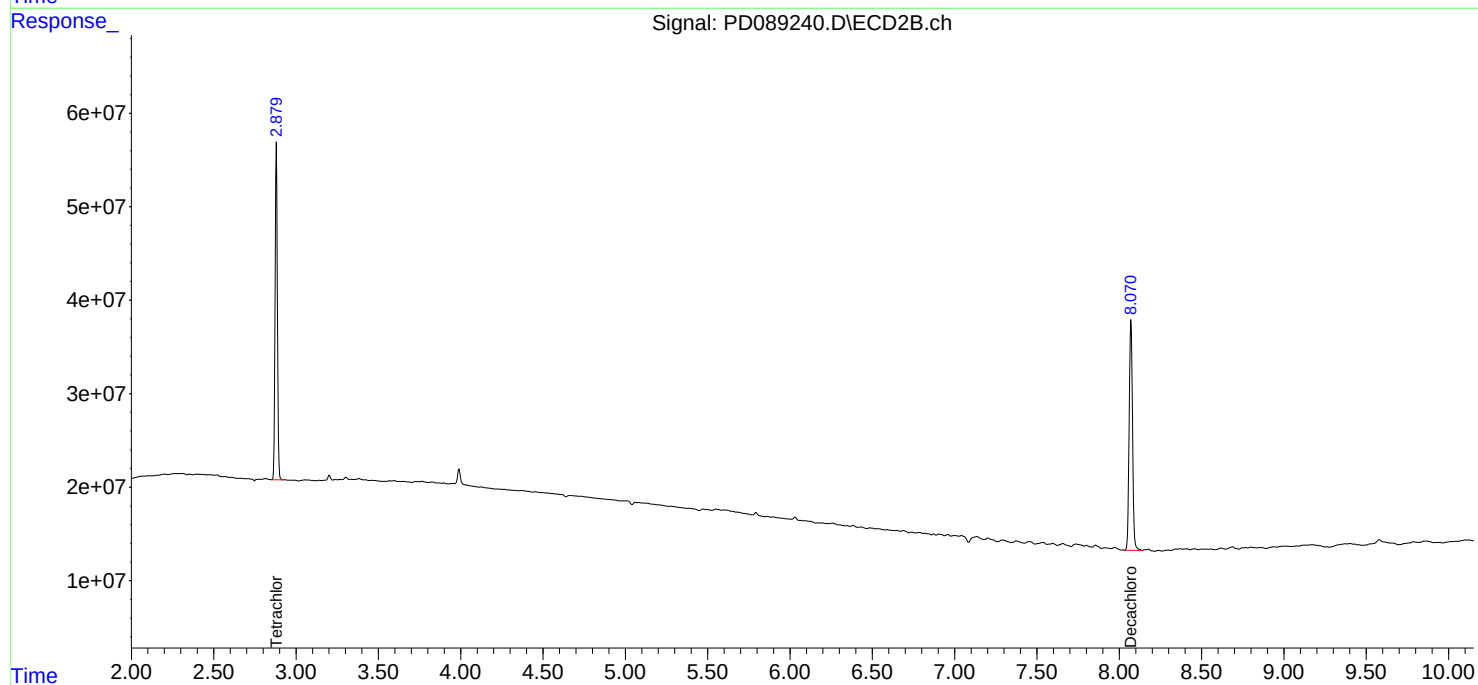
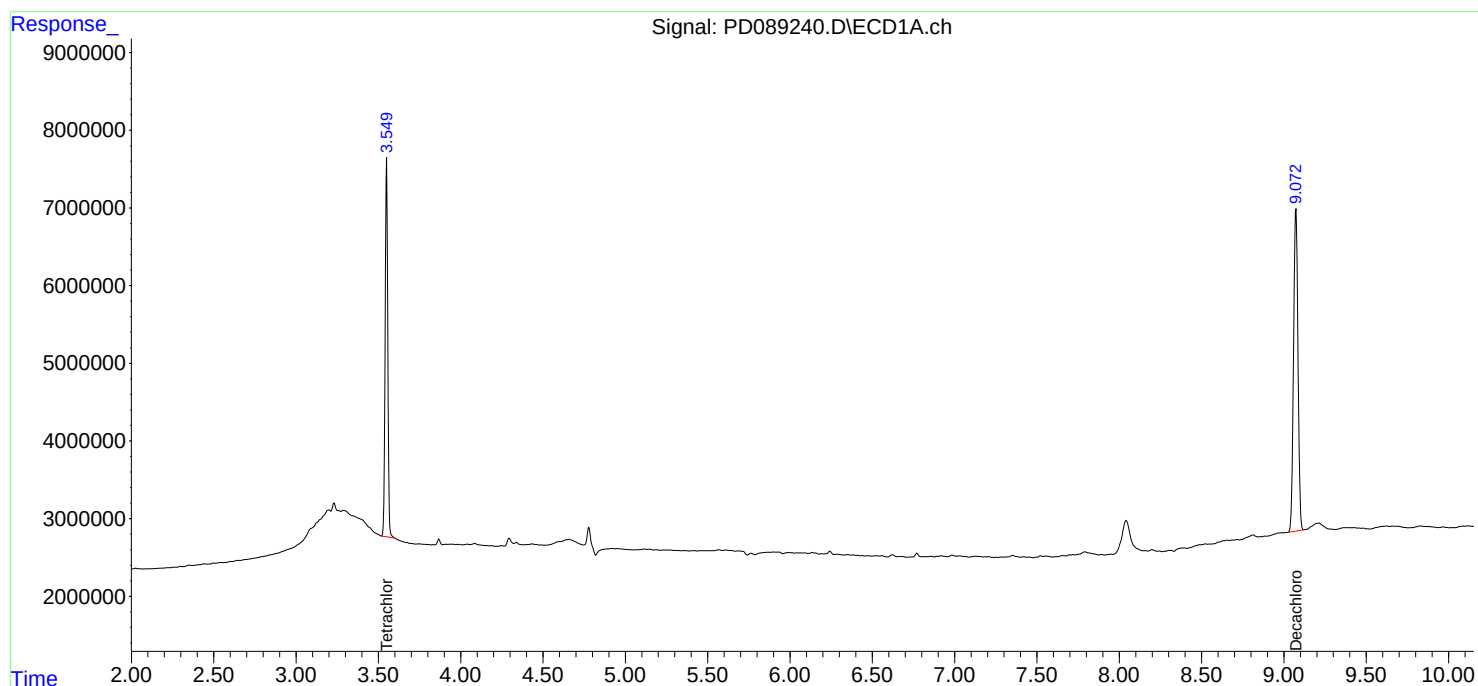
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

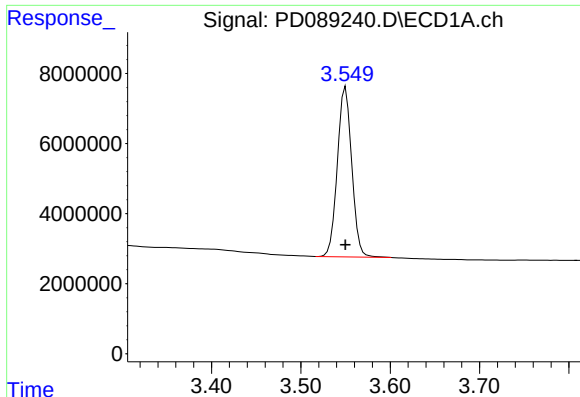
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063025\
Data File : PD089240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 16:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 01:34:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

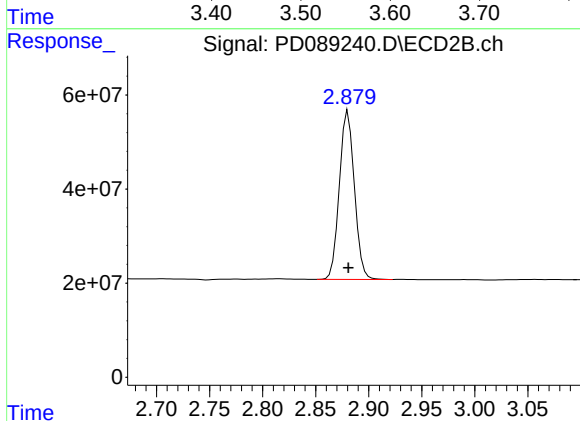




#1 Tetrachloro-m-xylene

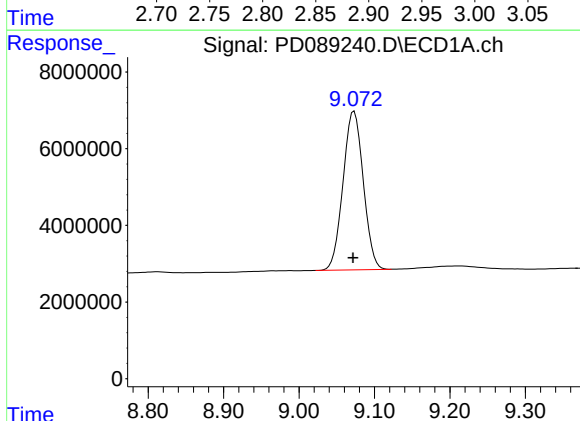
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 54240216
Conc: 19.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



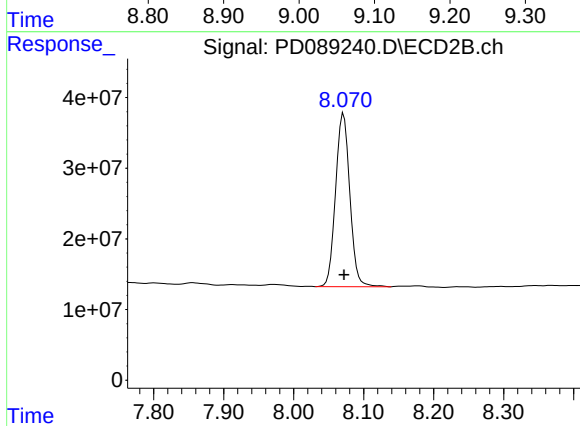
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 352554338
Conc: 20.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 77318195
Conc: 19.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 346974718
Conc: 17.55 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168637BS	SDG No.:	Q2436
Lab Sample ID:	PB168637BS	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
PD089233.D	1	06/27/25 09:00	06/30/25 12:29	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.9		0.13	1.70	ug/kg
319-85-7	beta-BHC	16.2		0.18	1.70	ug/kg
319-86-8	delta-BHC	17.5		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.9		0.14	1.70	ug/kg
76-44-8	Heptachlor	16.0		0.12	1.70	ug/kg
309-00-2	Aldrin	17.1		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.5		0.19	1.70	ug/kg
959-98-8	Endosulfan I	16.5		0.14	1.70	ug/kg
60-57-1	Dieldrin	16.7		0.14	1.70	ug/kg
72-55-9	4,4-DDE	16.4		0.14	1.70	ug/kg
72-20-8	Endrin	14.7		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	16.4		0.29	1.70	ug/kg
72-54-8	4,4-DDD	17.7		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.0		0.13	1.70	ug/kg
50-29-3	4,4-DDT	12.8		0.14	1.70	ug/kg
72-43-5	Methoxychlor	12.1		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	16.4		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	15.8		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.4		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.9		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.1		20 - 144	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		19 - 148	96%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168637BS		SDG No.:	Q2436	
Lab Sample ID:	PB168637BS		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
PD089233.D	1	06/27/25 09:00	06/30/25 12:29	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063025\
 Data File : PD089233.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jun 2025 14:17
 Operator : AR\AJ
 Sample : PB168637BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168637BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 30 14:31:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.557	2.881	51071203	326.1E6	17.900	19.238
2)	SA Decachlor...	9.082	8.074	74665416	378.7E6	19.010	19.155
Target Compounds							
2)	A alpha-BHC	4.007	3.393	296.1E6	1322.9E6	50.798	49.367
3)	MA gamma-BHC...	4.338	3.730	282.5E6	1212.6E6	50.610	48.981
4)	MA Heptachlor	4.936	4.083	262.7E6	1144.6E6	48.187	45.713
5)	MB Aldrin	5.278	4.369	272.7E6	1192.6E6	51.331	49.247
6)	B beta-BHC	4.523	4.026	107.1E6	517.9E6	48.520	48.194
7)	B delta-BHC	4.772	4.262	269.8E6	1218.3E6	52.557	48.980
8)	B Heptachlo...	5.698	4.873	238.8E6	1071.6E6	49.496	48.935
9)	A Endosulfan I	6.082	5.248	223.0E6	1027.1E6	49.480	49.277
10)	B gamma-Chl...	5.953	5.126	242.5E6	1162.8E6	50.641	48.606
11)	B alpha-Chl...	6.034	5.191	238.7E6	1108.5E6	49.336	48.415
12)	B 4,4'-DDE	6.203	5.376	215.1E6	1106.1E6	49.321	48.268
13)	MA Dieldrin	6.355	5.514	240.8E6	1124.3E6	50.201	48.442
14)	MA Endrin	6.582	5.790	181.6E6	935.8E6	44.024	43.096
15)	B Endosulfa...	6.794	6.082	198.7E6	972.4E6	49.223	48.147
16)	A 4,4'-DDD	6.713	5.931	182.1E6	987.0E6	53.053	51.596
17)	MA 4,4'-DDT	7.029	6.185	145.5E6	779.2E6	38.398	38.421
18)	B Endrin al...	6.923	6.260	145.7E6	719.8E6	47.552	47.012
19)	B Endosulfa...	7.157	6.484	183.8E6	931.8E6	47.896	47.490
20)	A Methoxychlor	7.501	6.756	72767174	392.7E6	36.012	36.470
21)	B Endrin ke...	7.638	6.993	201.0E6	1062.5E6	49.354	49.185
22)	Mirex	8.121	7.187	139.4E6	760.6E6	45.867	45.604

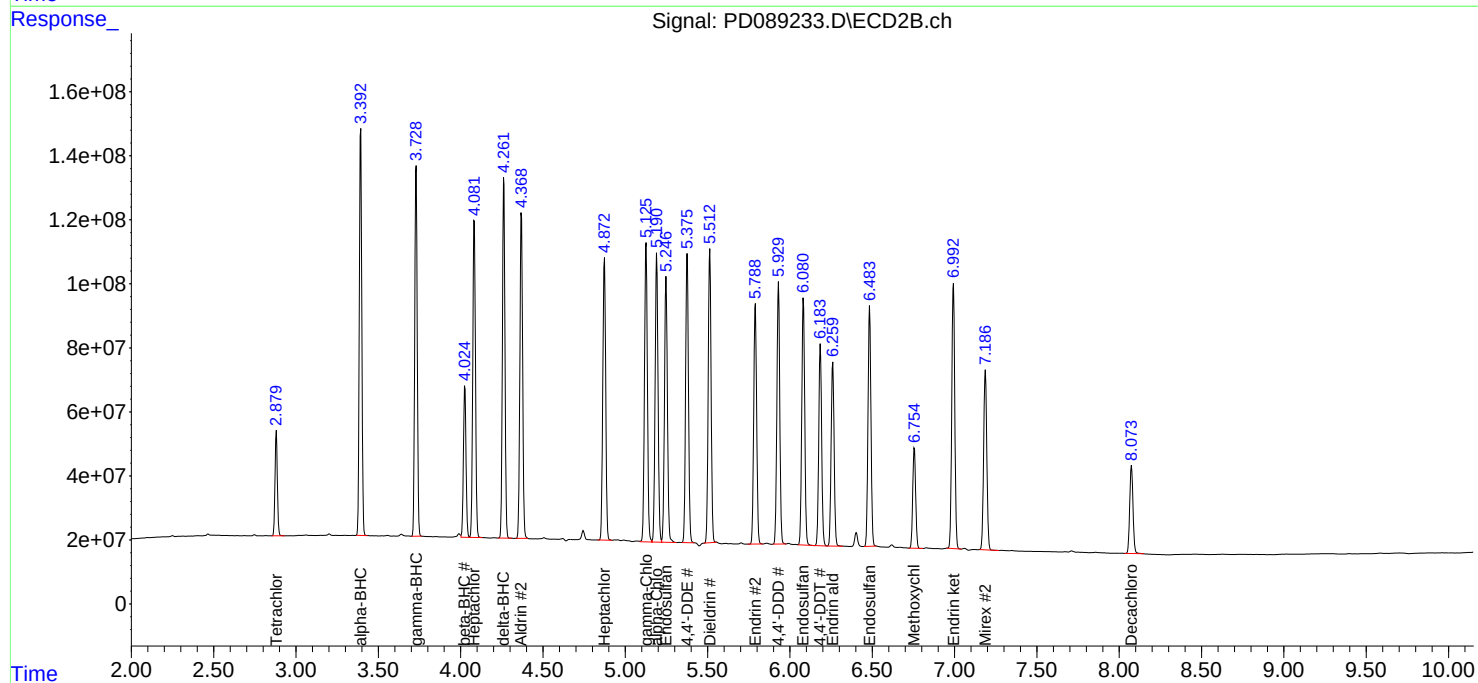
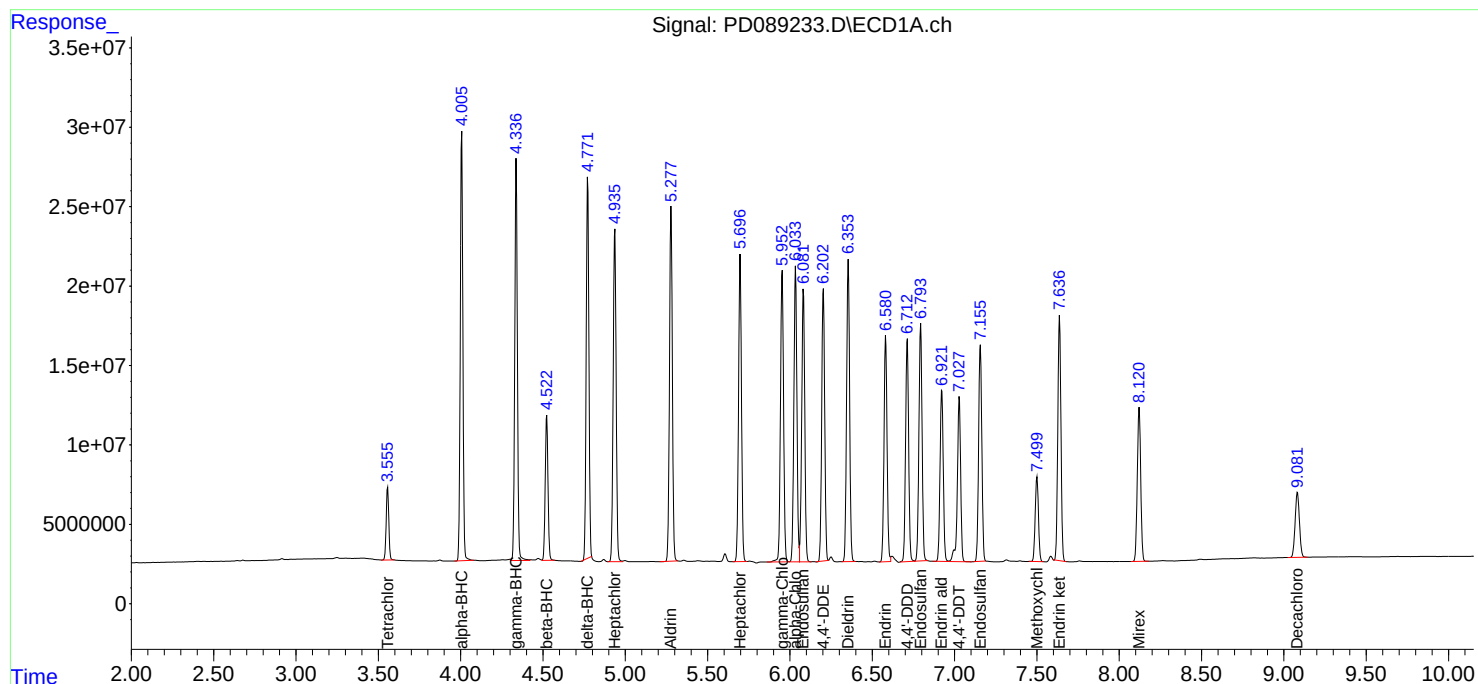
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063025\
Data File : PD089233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 14:17
Operator : AR\AJ
Sample : PB168637BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168637BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 30 14:31:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMS	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.2 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
PD089210.D	1	06/27/25 09:00	06/27/25 23:19	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.0		0.15	1.90	ug/kg
319-85-7	beta-BHC	16.7		0.20	1.90	ug/kg
319-86-8	delta-BHC	17.2		0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	16.8		0.16	1.90	ug/kg
76-44-8	Heptachlor	16.1		0.14	1.90	ug/kg
309-00-2	Aldrin	16.8		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.6		0.22	1.90	ug/kg
959-98-8	Endosulfan I	16.7		0.16	1.90	ug/kg
60-57-1	Dieldrin	16.5		0.16	1.90	ug/kg
72-55-9	4,4-DDE	16.5		0.16	1.90	ug/kg
72-20-8	Endrin	16.0		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	16.4		0.33	1.90	ug/kg
72-54-8	4,4-DDD	16.6		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	16.0		0.15	1.90	ug/kg
50-29-3	4,4-DDT	15.7		0.16	1.90	ug/kg
72-43-5	Methoxychlor	14.0		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	16.3		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	16.0		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	16.5		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	16.6		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.3		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		19 - 148	83%	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:	MH-E/FMS	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.2
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089210.D	1	06/27/25 09:00	06/27/25 23:19	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089210.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 23:19
 Operator : AR\AJ
 Sample : Q2430-01MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

MH-E/FMS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 00:24:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	41870961	280.5E6	14.675	16.547
28)	SA Decachlor...	9.071	8.070	57630323	302.7E6	14.673	15.310
Target Compounds							
2)	A alpha-BHC	3.999	3.393	252.0E6	1206.6E6	43.232	45.029
3)	MA gamma-BHC...	4.330	3.729	242.7E6	1103.8E6	43.484	44.587
4)	MA Heptachlor	4.929	4.082	227.3E6	1068.4E6	41.699	42.670
5)	MB Aldrin	5.270	4.368	234.5E6	1075.0E6	44.143	44.389
6)	B beta-BHC	4.515	4.025	96454487	474.9E6	43.701	44.194
7)	B delta-BHC	4.764	4.262	234.1E6	1106.7E6	45.610	44.491
8)	B Heptachlo...	5.690	4.872	206.2E6	963.3E6	42.754	43.988
9)	A Endosulfan I	6.073	5.246	195.4E6	922.2E6	43.344	44.246
10)	B gamma-Chl...	5.945	5.125	210.5E6	1048.9E6	43.957	43.846
11)	B alpha-Chl...	6.026	5.189	208.3E6	1001.6E6	43.051	43.744
12)	B 4,4'-DDE	6.195	5.374	189.1E6	1002.6E6	43.369	43.750
13)	MA Dieldrin	6.346	5.512	207.1E6	1013.4E6	43.171	43.665
14)	MA Endrin	6.573	5.788	170.5E6	917.9E6	41.332	42.271
15)	B Endosulfa...	6.785	6.078	171.6E6	875.5E6	42.516	43.351m
16)	A 4,4'-DDD	6.704	5.928	150.8E6	822.1E6	43.943	42.975
17)	MA 4,4'-DDT	7.019	6.182	144.1E6	845.2E6	38.043	41.680
18)	B Endrin al...	6.913	6.256	128.6E6	647.2E6	41.957	42.267m
19)	B Endosulfa...	7.148	6.481	161.8E6	833.1E6	42.177	42.457
20)	A Methoxychlor	7.491	6.753	71571787	400.4E6	35.421	37.180
21)	B Endrin ke...	7.629	6.990	173.1E6	929.9E6	42.502	43.046
22)	Mirex	8.112	7.184	126.5E6	695.9E6	41.595	41.723

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 23:19
Operator : AR\AJ
Sample : Q2430-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

MH-E/FMS

Manual Integrations

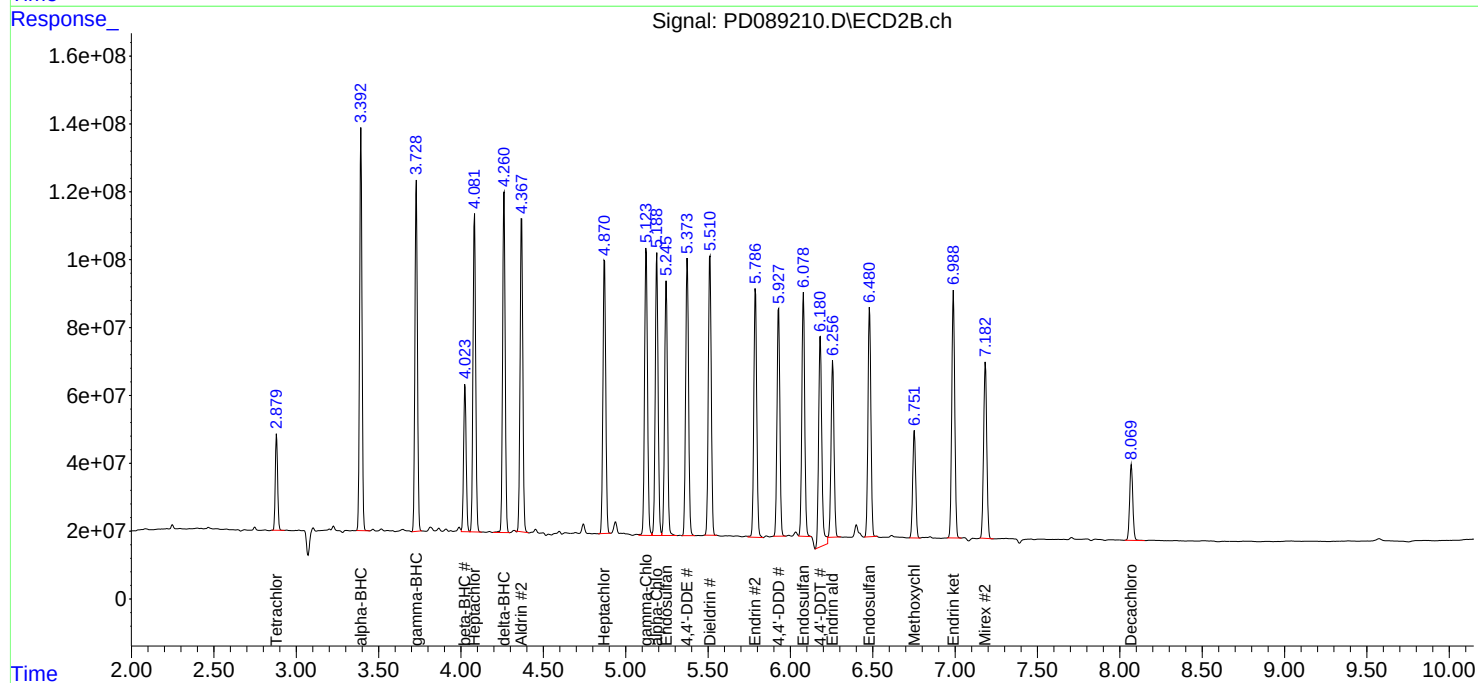
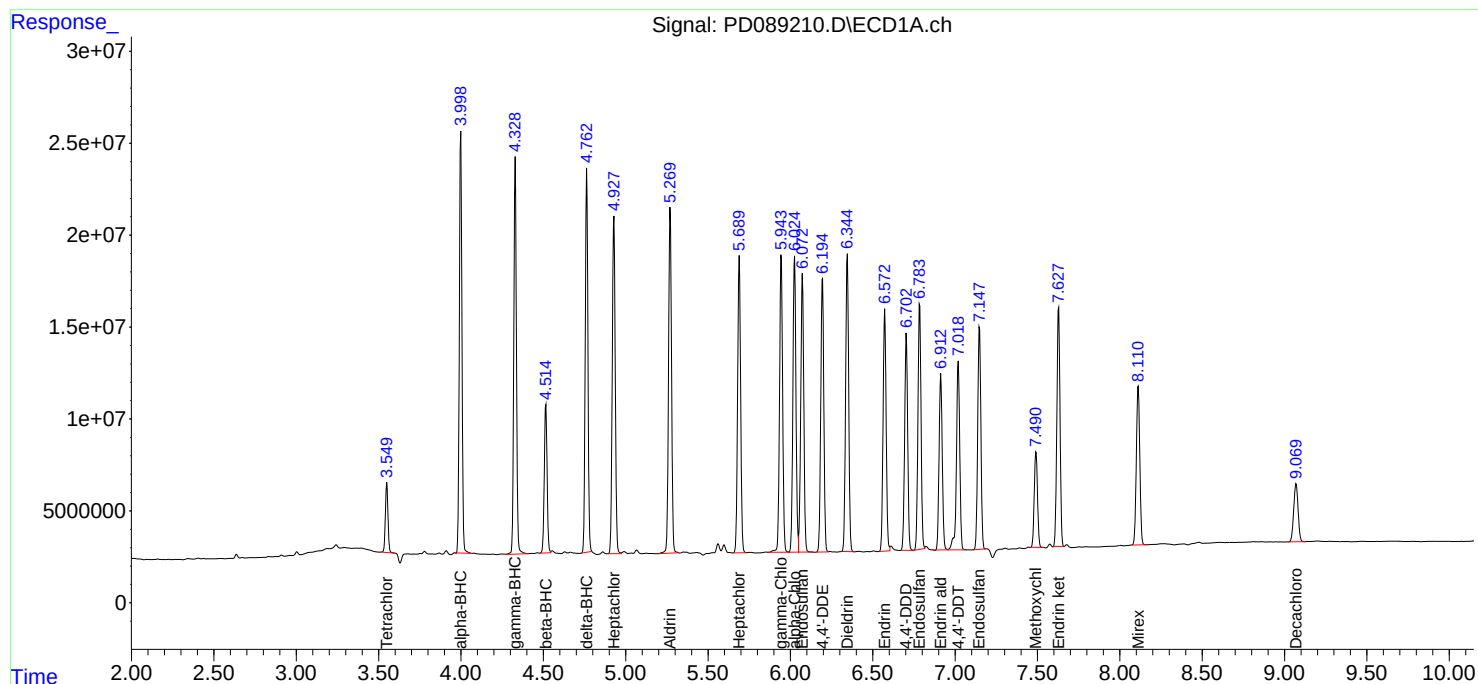
APPROVED

Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 00:24:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.2 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
PD089211.D	1	06/27/25 09:00	06/27/25 23:33	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.0		0.15	1.90	ug/kg
319-85-7	beta-BHC	16.7		0.20	1.90	ug/kg
319-86-8	delta-BHC	17.3		0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	16.8		0.16	1.90	ug/kg
76-44-8	Heptachlor	16.1		0.14	1.90	ug/kg
309-00-2	Aldrin	16.8		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.7		0.22	1.90	ug/kg
959-98-8	Endosulfan I	16.8		0.16	1.90	ug/kg
60-57-1	Dieldrin	16.6		0.16	1.90	ug/kg
72-55-9	4,4-DDE	16.6		0.16	1.90	ug/kg
72-20-8	Endrin	16.3		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	16.6		0.33	1.90	ug/kg
72-54-8	4,4-DDD	16.7		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	16.1		0.15	1.90	ug/kg
50-29-3	4,4-DDT	15.8		0.16	1.90	ug/kg
72-43-5	Methoxychlor	14.2		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	16.4		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	16.1		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	16.6		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	16.7		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.4		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		19 - 148	83%	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:	MH-E/FMSD	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089211.D	1	06/27/25 09:00	06/27/25 23:33	PB168637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089211.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 23:33
 Operator : AR\AJ
 Sample : Q2430-01MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

MH-E/FMSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 00:24:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	41938670	282.1E6	14.699	16.642
28)	SA Decachlor...	9.070	8.070	57962906	305.2E6	14.758	15.439
Target Compounds							
2)	A alpha-BHC	3.999	3.393	253.3E6	1206.7E6	43.450	45.031
3)	MA gamma-BHC...	4.330	3.729	244.3E6	1102.3E6	43.767	44.526
4)	MA Heptachlor	4.928	4.082	229.3E6	1069.9E6	42.060	42.731
5)	MB Aldrin	5.270	4.368	236.7E6	1076.1E6	44.548	44.435
6)	B beta-BHC	4.515	4.025	97105296	475.0E6	43.996	44.203
7)	B delta-BHC	4.763	4.261	235.6E6	1107.4E6	45.895	44.523
8)	B Heptachlo...	5.689	4.871	208.5E6	965.8E6	43.221	44.104
9)	A Endosulfan I	6.074	5.246	195.7E6	926.8E6	43.420	44.467
10)	B gamma-Chl...	5.944	5.124	210.0E6	1057.1E6	43.858	44.189
11)	B alpha-Chl...	6.026	5.189	209.1E6	1009.3E6	43.209	44.078
12)	B 4,4'-DDE	6.194	5.374	189.1E6	1006.3E6	43.357	43.911
13)	MA Dieldrin	6.346	5.511	207.9E6	1020.3E6	43.325	43.963
14)	MA Endrin	6.573	5.788	171.9E6	938.1E6	41.665	43.202
15)	B Endosulfa...	6.784	6.078	169.7E6	888.9E6	42.047	44.011m
16)	A 4,4'-DDD	6.703	5.928	151.7E6	824.7E6	44.213	43.109
17)	MA 4,4'-DDT	7.020	6.182	144.3E6	848.2E6	38.095	41.828
18)	B Endrin al...	6.914	6.256	129.4E6	654.2E6	42.239	42.730m
19)	B Endosulfa...	7.148	6.481	161.3E6	839.0E6	42.027	42.760
20)	A Methoxychlor	7.491	6.753	72439188	406.3E6	35.850	37.728
21)	B Endrin ke...	7.629	6.990	173.1E6	935.8E6	42.504	43.322
22)	Mirex	8.112	7.184	126.8E6	702.4E6	41.706	42.114

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089211.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 23:33
Operator : AR\AJ
Sample : Q2430-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

MH-E/FMSD

Manual Integrations

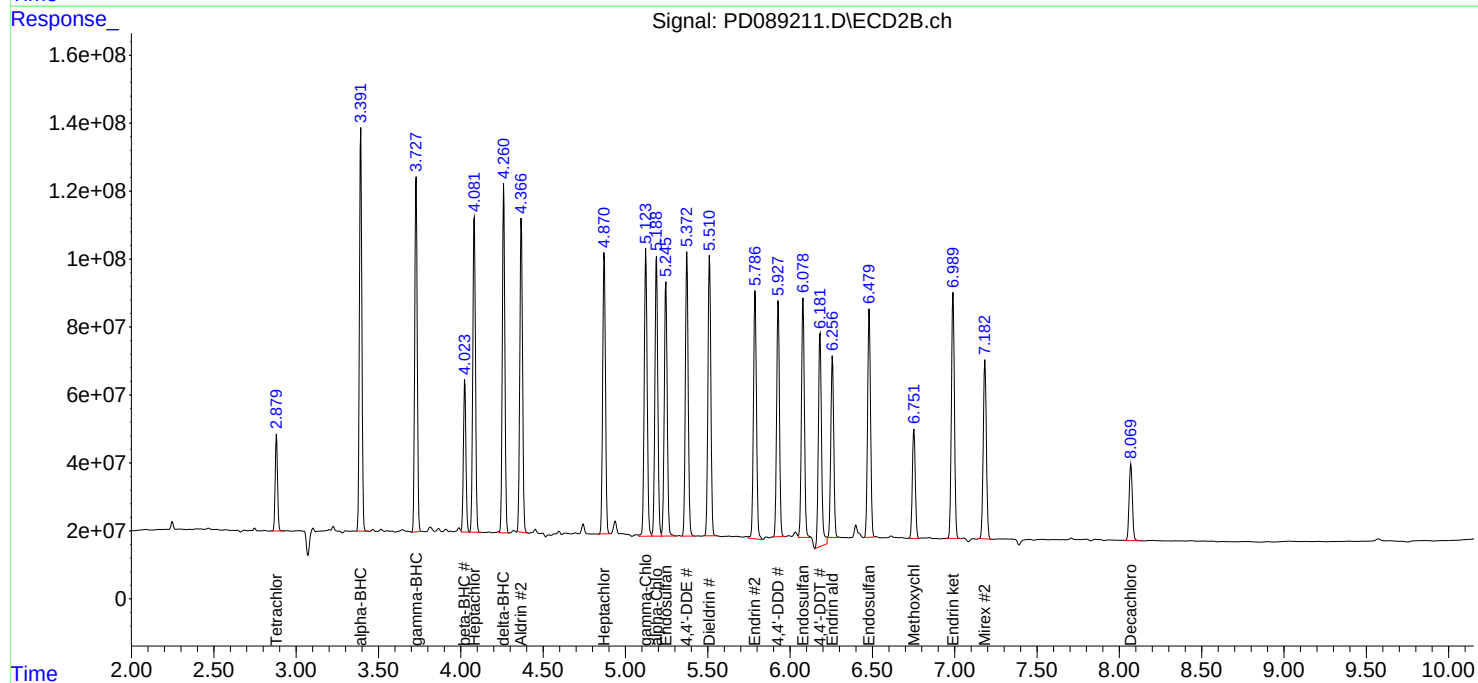
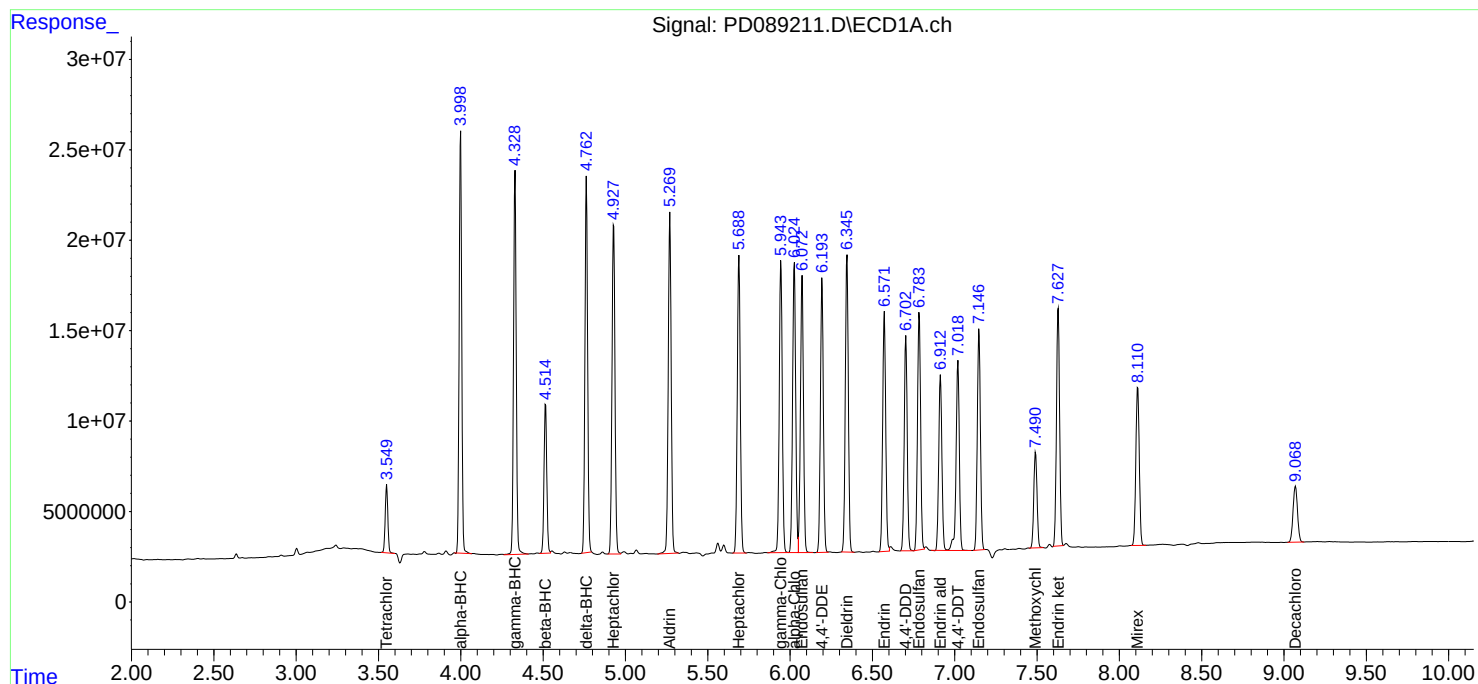
APPROVED

Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 00:24:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Manual Integration Report

Sequence:	PD061825	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088991.D	4,4"-DDD	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	4,4"-DDD #2	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	beta-BHC	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin aldehyde	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin aldehyde #2	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin ketone	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin ketone #2	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PSTDICC025	PD088996.D	Endrin #2	Abdul	6/18/2025 8:40:24 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PSTDICC005	PD088997.D	Endrin #2	Abdul	6/18/2025 8:40:30 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PSTDICC005	PD088997.D	Endrin ketone #2	Abdul	6/18/2025 8:40:30 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software

Manual Integration Report

Sequence:	pd062825	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089191.D	4,4"-DDE #2	Abdul	6/30/2025 7:54:10 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
PEM	PD089191.D	Endrin	Abdul	6/30/2025 7:54:10 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
PEM	PD089191.D	Endrin aldehyde #2	Abdul	6/30/2025 7:54:10 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
PEM	PD089191.D	gamma-BHC (Lindane)	Abdul	6/30/2025 7:54:10 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
Q2430-01MS	PD089210.D	Endosulfan II #2	Abdul	6/30/2025 7:54:43 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
Q2430-01MS	PD089210.D	Endrin aldehyde #2	Abdul	6/30/2025 7:54:43 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
Q2430-01MSD	PD089211.D	Endosulfan II #2	Abdul	6/30/2025 7:54:46 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
Q2430-01MSD	PD089211.D	Endrin aldehyde #2	Abdul	6/30/2025 7:54:46 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
PEM	PD089213.D	4,4"-DDE #2	Abdul	6/30/2025 7:54:49 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
PEM	PD089213.D	Endrin	Abdul	6/30/2025 7:54:49 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
PSTDCCC050	PD089214.D	Endosulfan II #2	Abdul	6/30/2025 7:54:52 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
Q2436-05	PD089219.D	Tetrachloro-m-xylene #2	Abdul	6/30/2025 7:54:56 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
Q2436-08	PD089222.D	Decachlorobiphenyl	Abdul	6/30/2025 8:26:43 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software

Manual Integration Report

Sequence:

pd062825

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2436-08	PD089222.D	Dieldrin #2	Abdul	6/30/2025 8:26:43 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
Q2436-08	PD089222.D	Heptachlor epoxide	Abdul	6/30/2025 8:26:43 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
Q2436-08	PD089222.D	Heptachlor epoxide #2	Abdul	6/30/2025 8:26:43 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
Q2436-09	PD089223.D	4,4"-DDE #2	Abdul	6/30/2025 7:55:04 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
Q2436-09	PD089223.D	4,4"-DDT	Abdul	6/30/2025 7:55:04 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
Q2436-09	PD089223.D	4,4"-DDT #2	Abdul	6/30/2025 7:55:04 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
Q2436-10	PD089224.D	Heptachlor epoxide	Abdul	6/30/2025 7:55:08 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software
Q2436-10	PD089224.D	Heptachlor epoxide #2	Abdul	6/30/2025 7:55:08 AM	mohammad	7/1/2025 3:04:53	Peak Integrated by Software

Manual Integration Report

Sequence:

PD063025

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089229.D	4,4"-DDE #2	Abdul	7/1/2025 8:29:32 AM	mohammad	7/1/2025 8:55:53	Peak Integrated by Software
PEM	PD089229.D	alpha-BHC #2	Abdul	7/1/2025 8:29:32 AM	mohammad	7/1/2025 8:55:53	Peak Integrated by Software
PEM	PD089229.D	Endrin aldehyde #2	Abdul	7/1/2025 8:29:32 AM	mohammad	7/1/2025 8:55:53	Peak Integrated by Software
PSTDCCC050	PD089230.D	Endrin ketone	Abdul	7/1/2025 8:29:35 AM	mohammad	7/1/2025 8:55:53	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM
SubDirectory	PD061825	HP Acquire Method	HP Processing Method pd061825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD088989.D	17 Jun 2025 14:58	AR\AJ	Ok
2	I.BLK	PD088990.D	17 Jun 2025 15:11	AR\AJ	Ok
3	PEM	PD088991.D	17 Jun 2025 15:25	AR\AJ	Ok,M
4	RESCHK	PD088992.D	17 Jun 2025 15:39	AR\AJ	Ok
5	PSTDICC100	PD088993.D	17 Jun 2025 15:52	AR\AJ	Ok
6	PSTDICC075	PD088994.D	17 Jun 2025 16:06	AR\AJ	Ok
7	PSTDICC050	PD088995.D	17 Jun 2025 16:20	AR\AJ	Ok
8	PSTDICC025	PD088996.D	17 Jun 2025 16:33	AR\AJ	Ok,M
9	PSTDICC005	PD088997.D	17 Jun 2025 16:47	AR\AJ	Ok,M
10	PCHLORICC1000	PD088998.D	17 Jun 2025 17:00	AR\AJ	Ok
11	PCHLORICC750	PD088999.D	17 Jun 2025 17:14	AR\AJ	Ok
12	PCHLORICC500	PD089000.D	17 Jun 2025 17:28	AR\AJ	Ok
13	PCHLORICC250	PD089001.D	17 Jun 2025 17:41	AR\AJ	Ok
14	PCHLORICC050	PD089002.D	17 Jun 2025 17:55	AR\AJ	Ok
15	PTOXICC1000	PD089003.D	17 Jun 2025 18:09	AR\AJ	Ok
16	PTOXICC750	PD089004.D	17 Jun 2025 18:22	AR\AJ	Ok
17	PTOXICC500	PD089005.D	17 Jun 2025 18:36	AR\AJ	Ok
18	PTOXICC250	PD089006.D	17 Jun 2025 18:50	AR\AJ	Ok
19	PTOXICC100	PD089007.D	17 Jun 2025 19:03	AR\AJ	Ok,M
20	PSTDICV050	PD089008.D	17 Jun 2025 19:17	AR\AJ	Ok
21	PCHLORICV500	PD089009.D	17 Jun 2025 19:31	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM
SubDirectory	PD061825	HP Acquire Method	HP Processing Method pd061825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PD089010.D	17 Jun 2025 19:44	AR\AJ	Ok
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M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD062825

Review By	Abdul	Review On	6/30/2025 7:55:28 AM
Supervise By	mohammad	Supervise On	7/1/2025 3:04:53 AM
SubDirectory	PD062825	HP Acquire Method	HP Processing Method pd061825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089189.D	27 Jun 2025 18:05	AR\AJ	Ok
2	I.BLK	PD089190.D	27 Jun 2025 18:19	AR\AJ	Ok
3	PEM	PD089191.D	27 Jun 2025 18:32	AR\AJ	Ok,M
4	PSTDCCC050	PD089192.D	27 Jun 2025 18:46	AR\AJ	Ok
5	Q2416-01	PD089193.D	27 Jun 2025 19:13	AR\AJ	Ok
6	Q2420-01	PD089194.D	27 Jun 2025 19:27	AR\AJ	Ok,M
7	Q2425-01	PD089195.D	27 Jun 2025 19:41	AR\AJ	Ok,M
8	Q2425-02	PD089196.D	27 Jun 2025 19:54	AR\AJ	Ok,M
9	Q2425-03	PD089197.D	27 Jun 2025 20:08	AR\AJ	Ok
10	Q2425-03MS	PD089198.D	27 Jun 2025 20:22	AR\AJ	Ok,M
11	Q2425-03MSD	PD089199.D	27 Jun 2025 20:35	AR\AJ	Ok,M
12	Q2418-01	PD089200.D	27 Jun 2025 20:49	AR\AJ	Ok,M
13	I.BLK	PD089201.D	27 Jun 2025 21:03	AR\AJ	Ok
14	PSTDCCC050	PD089202.D	27 Jun 2025 21:16	AR\AJ	Ok
15	PB168641BL	PD089203.D	27 Jun 2025 21:44	AR\AJ	Ok
16	PB168641BS	PD089204.D	27 Jun 2025 21:57	AR\AJ	Not Ok
17	PB168641BSD	PD089205.D	27 Jun 2025 22:11	AR\AJ	Not Ok
18	PB168637BL	PD089206.D	27 Jun 2025 22:25	AR\AJ	Ok
19	PB168637BS	PD089207.D	27 Jun 2025 22:38	AR\AJ	Not Ok
20	Q2429-01	PD089208.D	27 Jun 2025 22:52	AR\AJ	Ok
21	Q2430-01	PD089209.D	27 Jun 2025 23:06	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD062825

Review By	Abdul	Review On	6/30/2025 7:55:28 AM
Supervise By	mohammad	Supervise On	7/1/2025 3:04:53 AM
SubDirectory	PD062825	HP Acquire Method	HP Processing Method pd061825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2430-01MS	PD089210.D	27 Jun 2025 23:19	AR\AJ	Ok,M
23	Q2430-01MSD	PD089211.D	27 Jun 2025 23:33	AR\AJ	Ok,M
24	I.BLK	PD089212.D	27 Jun 2025 23:47	AR\AJ	Ok
25	PEM	PD089213.D	28 Jun 2025 00:00	AR\AJ	Ok,M
26	PSTDCCC050	PD089214.D	28 Jun 2025 00:14	AR\AJ	Ok,M
27	Q2436-01	PD089215.D	28 Jun 2025 00:41	AR\AJ	Ok
28	Q2436-02	PD089216.D	28 Jun 2025 00:55	AR\AJ	Ok
29	Q2436-03	PD089217.D	28 Jun 2025 01:09	AR\AJ	Ok
30	Q2436-04	PD089218.D	28 Jun 2025 01:22	AR\AJ	Ok
31	Q2436-05	PD089219.D	28 Jun 2025 01:36	AR\AJ	Ok,M
32	Q2436-06	PD089220.D	28 Jun 2025 01:50	AR\AJ	Ok
33	Q2436-07	PD089221.D	28 Jun 2025 02:03	AR\AJ	Ok
34	Q2436-08	PD089222.D	28 Jun 2025 02:17	AR\AJ	Ok,M
35	Q2436-09	PD089223.D	28 Jun 2025 02:31	AR\AJ	Ok,M
36	Q2436-10	PD089224.D	28 Jun 2025 02:44	AR\AJ	Ok,M
37	I.BLK	PD089225.D	28 Jun 2025 02:58	AR\AJ	Ok
38	PSTDCCC050	PD089226.D	28 Jun 2025 03:12	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD063025

Review By	Abdul	Review On	7/1/2025 8:30:24 AM
Supervise By	mohammad	Supervise On	7/1/2025 8:55:53 AM
SubDirectory	PD063025	HP Acquire Method	HP Processing Method pd061825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089227.D	30 Jun 2025 08:34	AR\AJ	Ok
2	I.BLK	PD089228.D	30 Jun 2025 08:48	AR\AJ	Ok
3	PEM	PD089229.D	30 Jun 2025 09:02	AR\AJ	Ok,M
4	PSTDCCC050	PD089230.D	30 Jun 2025 09:56	AR\AJ	Ok,M
5	Q2403-03	PD089231.D	30 Jun 2025 10:11	AR\AJ	Ok,M
6	Q2403-03RE	PD089232.D	30 Jun 2025 10:43	AR\AJ	Not Ok
7	PB168637BS	PD089233.D	30 Jun 2025 12:29	AR\AJ	Ok
8	PB168641BS	PD089234.D	30 Jun 2025 14:41	AR\AJ	Ok
9	PB168641BSD	PD089235.D	30 Jun 2025 15:07	AR\AJ	Ok
10	PB168655BL	PD089236.D	30 Jun 2025 15:40	AR\AJ	Ok
11	PB168655BS	PD089237.D	30 Jun 2025 15:53	AR\AJ	Ok
12	Q2442-01	PD089238.D	30 Jun 2025 16:07	AR\AJ	Ok
13	Q2457-01	PD089239.D	30 Jun 2025 16:21	AR\AJ	Ok,M
14	I.BLK	PD089240.D	30 Jun 2025 16:35	AR\AJ	Ok
15	PSTDCCC050	PD089241.D	30 Jun 2025 17:08	AR\AJ	Ok
16	Q2447-01	PD089242.D	30 Jun 2025 17:21	AR\AJ	Ok,M
17	Q2447-04	PD089243.D	30 Jun 2025 17:35	AR\AJ	Not Ok
18	Q2447-06	PD089244.D	30 Jun 2025 17:49	AR\AJ	Not Ok
19	Q2449-01	PD089245.D	30 Jun 2025 18:02	AR\AJ	Ok
20	Q2450-01	PD089246.D	30 Jun 2025 18:16	AR\AJ	Ok,M
21	Q2452-01	PD089247.D	30 Jun 2025 18:29	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD063025

Review By	Abdul	Review On	7/1/2025 8:30:24 AM
Supervise By	mohammad	Supervise On	7/1/2025 8:55:53 AM
SubDirectory	PD063025	HP Acquire Method	HP Processing Method pd061825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2452-05	PD089248.D	30 Jun 2025 18:43	AR\AJ	Ok
23	Q2452-05MS	PD089249.D	30 Jun 2025 18:57	AR\AJ	Ok
24	Q2452-05MSD	PD089250.D	30 Jun 2025 19:10	AR\AJ	Ok
25	I.BLK	PD089251.D	30 Jun 2025 19:24	AR\AJ	Ok
26	PSTDCCC050	PD089252.D	30 Jun 2025 19:38	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM
SubDirectory	PD061825	HP Acquire Method	HP Processing Method pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD088989.D	17 Jun 2025 14:58		AR\AJ	Ok
2	I.BLK	I.BLK	PD088990.D	17 Jun 2025 15:11		AR\AJ	Ok
3	PEM	PEM	PD088991.D	17 Jun 2025 15:25		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD088992.D	17 Jun 2025 15:39		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD088993.D	17 Jun 2025 15:52		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD088994.D	17 Jun 2025 16:06		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD088995.D	17 Jun 2025 16:20		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD088996.D	17 Jun 2025 16:33		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PD088997.D	17 Jun 2025 16:47		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD088998.D	17 Jun 2025 17:00		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD088999.D	17 Jun 2025 17:14		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD089000.D	17 Jun 2025 17:28		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD089001.D	17 Jun 2025 17:41		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD089002.D	17 Jun 2025 17:55		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD089003.D	17 Jun 2025 18:09		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD089004.D	17 Jun 2025 18:22		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD089005.D	17 Jun 2025 18:36		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD089006.D	17 Jun 2025 18:50		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM
SubDirectory	PD061825	HP Acquire Method	HP Processing Method pd061825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD089007.D	17 Jun 2025 19:03		AR\AJ	Ok,M
20	PSTDICV050	ICVPD061825	PD089008.D	17 Jun 2025 19:17		AR\AJ	Ok
21	PCHLORICV500	ICVPD061825CHLOR	PD089009.D	17 Jun 2025 19:31		AR\AJ	Ok
22	PTOXICV500	ICVPD061825TOX	PD089010.D	17 Jun 2025 19:44		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD062825

Review By	Abdul	Review On	6/30/2025 7:55:28 AM
Supervise By	mohammad	Supervise On	7/1/2025 3:04:53 AM
SubDirectory	PD062825	HP Acquire Method	HP Processing Method pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089189.D	27 Jun 2025 18:05		AR\AJ	Ok
2	I.BLK	I.BLK	PD089190.D	27 Jun 2025 18:19		AR\AJ	Ok
3	PEM	PEM	PD089191.D	27 Jun 2025 18:32		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089192.D	27 Jun 2025 18:46		AR\AJ	Ok
5	Q2416-01	MH-G/H	PD089193.D	27 Jun 2025 19:13		AR\AJ	Ok
6	Q2420-01	72-11933	PD089194.D	27 Jun 2025 19:27	DCB High in 1st column	AR\AJ	Ok,M
7	Q2425-01	COMP-1	PD089195.D	27 Jun 2025 19:41		AR\AJ	Ok,M
8	Q2425-02	COMP-2	PD089196.D	27 Jun 2025 19:54		AR\AJ	Ok,M
9	Q2425-03	COMP-3	PD089197.D	27 Jun 2025 20:08		AR\AJ	Ok
10	Q2425-03MS	COMP-3MS	PD089198.D	27 Jun 2025 20:22	Endrin aldehyde recovery fail	AR\AJ	Ok,M
11	Q2425-03MSD	COMP-3MSD	PD089199.D	27 Jun 2025 20:35	Methoxychlor recovery fail	AR\AJ	Ok,M
12	Q2418-01	VAC-TRUCK-4074	PD089200.D	27 Jun 2025 20:49		AR\AJ	Ok,M
13	I.BLK	I.BLK	PD089201.D	27 Jun 2025 21:03		AR\AJ	Ok
14	PSTDCCC050	PSTDCCC050	PD089202.D	27 Jun 2025 21:16		AR\AJ	Ok
15	PB168641BL	PB168641BL	PD089203.D	27 Jun 2025 21:44		AR\AJ	Ok
16	PB168641BS	PB168641BS	PD089204.D	27 Jun 2025 21:57	Comp#17,20 recovery fail	AR\AJ	Not Ok
17	PB168641BSD	PB168641BSD	PD089205.D	27 Jun 2025 22:11	Comp#17,20 recovery fail	AR\AJ	Not Ok
18	PB168637BL	PB168637BL	PD089206.D	27 Jun 2025 22:25		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD062825

Review By	Abdul	Review On	6/30/2025 7:55:28 AM
Supervise By	mohammad	Supervise On	7/1/2025 3:04:53 AM
SubDirectory	PD062825	HP Acquire Method	HP Processing Method pd061825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PB168637BS	PB168637BS	PD089207.D	27 Jun 2025 22:38	4,4-DDT recovery fail	AR\AJ	Not Ok
20	Q2429-01	TP-4	PD089208.D	27 Jun 2025 22:52		AR\AJ	Ok
21	Q2430-01	MH-E/F	PD089209.D	27 Jun 2025 23:06		AR\AJ	Ok
22	Q2430-01MS	MH-E/FMS	PD089210.D	27 Jun 2025 23:19		AR\AJ	Ok,M
23	Q2430-01MSD	MH-E/FMSD	PD089211.D	27 Jun 2025 23:33		AR\AJ	Ok,M
24	I.BLK	I.BLK	PD089212.D	27 Jun 2025 23:47		AR\AJ	Ok
25	PEM	PEM	PD089213.D	28 Jun 2025 00:00		AR\AJ	Ok,M
26	PSTDCCC050	PSTDCCC050	PD089214.D	28 Jun 2025 00:14		AR\AJ	Ok,M
27	Q2436-01	TP-70	PD089215.D	28 Jun 2025 00:41		AR\AJ	Ok
28	Q2436-02	TP-69	PD089216.D	28 Jun 2025 00:55		AR\AJ	Ok
29	Q2436-03	TP-85	PD089217.D	28 Jun 2025 01:09		AR\AJ	Ok
30	Q2436-04	TP-86	PD089218.D	28 Jun 2025 01:22		AR\AJ	Ok
31	Q2436-05	TP-84	PD089219.D	28 Jun 2025 01:36		AR\AJ	Ok,M
32	Q2436-06	TP-83	PD089220.D	28 Jun 2025 01:50		AR\AJ	Ok
33	Q2436-07	TP-87	PD089221.D	28 Jun 2025 02:03		AR\AJ	Ok
34	Q2436-08	TP-100	PD089222.D	28 Jun 2025 02:17		AR\AJ	Ok,M
35	Q2436-09	TP-99	PD089223.D	28 Jun 2025 02:31		AR\AJ	Ok,M
36	Q2436-10	TP-82	PD089224.D	28 Jun 2025 02:44		AR\AJ	Ok,M
37	I.BLK	I.BLK	PD089225.D	28 Jun 2025 02:58		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD062825

Review By	Abdul	Review On	6/30/2025 7:55:28 AM
Supervise By	mohammad	Supervise On	7/1/2025 3:04:53 AM
SubDirectory	PD062825	HP Acquire Method	HP Processing Method pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PSTDCCC050	PSTDCCC050	PD089226.D	28 Jun 2025 03:12	Comp#7 high in 1st column	AR/AJ	Ok
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M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD063025

Review By	Abdul	Review On	7/1/2025 8:30:24 AM
Supervise By	mohammad	Supervise On	7/1/2025 8:55:53 AM
SubDirectory	PD063025	HP Acquire Method	HP Processing Method pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089227.D	30 Jun 2025 08:34		AR\AJ	Ok
2	I.BLK	I.BLK	PD089228.D	30 Jun 2025 08:48		AR\AJ	Ok
3	PEM	PEM	PD089229.D	30 Jun 2025 09:02		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089230.D	30 Jun 2025 09:56		AR\AJ	Ok,M
5	Q2403-03	LAW-25-0093	PD089231.D	30 Jun 2025 10:11	F Flag in DCB in BOTH column	AR\AJ	Ok,M
6	Q2403-03RE	LAW-25-0093RE	PD089232.D	30 Jun 2025 10:43	F Flag in DCB in BOTH column	AR\AJ	Not Ok
7	PB168637BS	PB168637BS	PD089233.D	30 Jun 2025 12:29		AR\AJ	Ok
8	PB168641BS	PB168641BS	PD089234.D	30 Jun 2025 14:41		AR\AJ	Ok
9	PB168641BSD	PB168641BSD	PD089235.D	30 Jun 2025 15:07		AR\AJ	Ok
10	PB168655BL	PB168655BL	PD089236.D	30 Jun 2025 15:40		AR\AJ	Ok
11	PB168655BS	PB168655BS	PD089237.D	30 Jun 2025 15:53		AR\AJ	Ok
12	Q2442-01	500-3B	PD089238.D	30 Jun 2025 16:07		AR\AJ	Ok
13	Q2457-01	OK-2-062725	PD089239.D	30 Jun 2025 16:21		AR\AJ	Ok,M
14	I.BLK	I.BLK	PD089240.D	30 Jun 2025 16:35		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PD089241.D	30 Jun 2025 17:08		AR\AJ	Ok
16	Q2447-01	COMP-1	PD089242.D	30 Jun 2025 17:21		AR\AJ	Ok,M
17	Q2447-04	COMP-2	PD089243.D	30 Jun 2025 17:35	need cleanup	AR\AJ	Not Ok
18	Q2447-06	LAW-25-0100	PD089244.D	30 Jun 2025 17:49	need cleanup	AR\AJ	Not Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD063025

Review By	Abdul	Review On	7/1/2025 8:30:24 AM
Supervise By	mohammad	Supervise On	7/1/2025 8:55:53 AM
SubDirectory	PD063025	HP Acquire Method	HP Processing Method pd061825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2449-01	RBR200032	PD089245.D	30 Jun 2025 18:02		AR\AJ	Ok
20	Q2450-01	PL-2-062725	PD089246.D	30 Jun 2025 18:16	DCB high in 1st column	AR\AJ	Ok,M
21	Q2452-01	TP-5	PD089247.D	30 Jun 2025 18:29		AR\AJ	Ok
22	Q2452-05	EP-2	PD089248.D	30 Jun 2025 18:43		AR\AJ	Ok
23	Q2452-05MS	EP-2MS	PD089249.D	30 Jun 2025 18:57		AR\AJ	Ok
24	Q2452-05MSD	EP-2MSD	PD089250.D	30 Jun 2025 19:10		AR\AJ	Ok
25	I.BLK	I.BLK	PD089251.D	30 Jun 2025 19:24		AR\AJ	Ok
26	PSTDCCC050	PSTDCCC050	PD089252.D	30 Jun 2025 19:38		AR\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 06/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:26
Out Date: 06/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136311

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2436-01	TP-70	1	1.15	10.83	11.98	10.04	82.1	
Q2436-02	TP-69	2	1.16	10.29	11.45	9.6	82.0	
Q2436-03	TP-85	3	1.16	10.55	11.71	10.14	85.1	
Q2436-04	TP-86	4	1.18	9.94	11.12	10.00	88.7	
Q2436-05	TP-84	5	1.14	10.40	11.54	10.74	92.3	
Q2436-06	TP-83	6	1.18	10.14	11.32	10.37	90.6	
Q2436-07	TP-87	7	1.18	10.37	11.55	10.5	89.9	
Q2436-08	TP-100	8	1.17	10.27	11.44	9.96	85.6	
Q2436-09	TP-99	9	1.17	10.47	11.64	10.82	92.2	
Q2436-10	TP-82	10	1.12	10.65	11.77	10.92	92.0	
Q2437-05	SVOC-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2437-06	PEST-GPC-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q2437-07	PEST-GPC-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q2437-08	PCB-GPC-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2437-09	PCB-GPC-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2437-10	SVOC-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q2437-11	PEST-GPC2-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q2437-12	PEST-GPC2-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
Q2437-13	PCB-GPC2-BLANK	19	1.00	1.00	2.00	2.00	100.0	
Q2437-14	PCB-GCP2-BLANK-SPIKE	20	1.00	1.00	2.00	2.00	100.0	
Q2440-01	72-11986-1	21	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-02	72-11986-2	22	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-03	72-11931-1	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-04	72-11931-2	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-05	VNJ-227-1	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-06	VNJ-227-2	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-07	RT2917-1	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-08	RT2917-2	28	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 06/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:26
Out Date: 06/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136311

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2442-01	500-3B	29	1.00	1.00	2.00	2.00	100.0	OILY STONE SAMPLE,100% SOLIDS
Q2442-02	500-3B-E2	30	1.00	1.00	2.00	2.00	100.0	OILY STONE SAMPLE,100% SOLIDS
Q2445-01	CONCRETE-PAD-6-27-25	37	1.00	1.00	2.00	2.00	100.0	CONCRETE-PAD-
Q2446-01	MR-BUR-LNG-19	38	1.00	1.00	2.00	2.00	100.0	oil sample
Q2446-03	MR-BUR-LNG-13	39	1.00	1.00	2.00	2.00	100.0	debris
Q2447-01	COMP-1	40	1.14	10.15	11.29	9.9	86.3	
Q2447-02	COMP-1	41	1.18	9.78	10.96	9.00	80.0	
Q2447-04	COMP-2	42	1.15	10.67	11.82	8.28	66.8	
Q2447-05	COMP-2	43	1.12	11.15	12.27	8.69	67.9	
Q2447-06	LAW-25-0100	44	1.11	10.66	11.77	10.75	90.4	
Q2447-07	LAW-25-0100	45	1.12	9.28	10.4	9.51	90.4	
Q2448-01	JEI041K-1-1	46	1.00	1.00	2.00	2.00	100.0	PILC
Q2448-02	JEI041K-1-2	47	1.00	1.00	2.00	2.00	100.0	PILC
Q2449-01	RBR200032	48	1.00	1.00	2.00	2.00	100.0	STONE SAMPLE, 100% SOLIDS
Q2449-02	RBR200032-E2	49	1.00	1.00	2.00	2.00	100.0	STONE SAMPLE, 100% SOLIDS
Q2450-01	PL-2-062725	50	1.18	10.26	11.44	10.65	92.3	
Q2450-02	PL-2-062725-E2	51	1.19	10.36	11.55	10.65	91.3	
Q2452-01	TP-5	31	1.13	10.61	11.74	10.83	91.4	
Q2452-02	TP-5-EPH	32	1.13	10.70	11.83	10.44	87.0	
Q2452-03	TP-5-VOC	33	1.18	10.59	11.77	10.84	91.2	
Q2452-05	EP-2	34	1.11	10.66	11.77	10.38	87.0	
Q2452-06	EP-2-EPH	35	1.18	10.01	11.19	10.36	91.7	
Q2452-07	EP-2-VOC	36	1.14	10.43	11.57	10.05	85.4	
Q2457-01	OK-02-062725	52	1.12	10.47	11.59	10.87	93.1	
Q2457-02	OK-02-062725-E2	53	1.19	10.28	11.47	10.75	93.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136311

WorkList Name : %1-062725

WorkList ID : 190440

Department : Wet-Chemistry

Date : 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2436-01	TP-70	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-02	TP-69	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-03	TP-85	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-04	TP-86	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-05	TP-84	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-06	TP-83	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-07	TP-87	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-08	TP-100	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2436-09	TP-99	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2436-10	TP-82	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2437-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2437-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2440-01	72-11986-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO

Date/Time 06/24/25 16:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/24/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136311

WorkList Name : %1-062725

WorkList ID : 190440

Department : Wet-Chemistry

Date : 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2440-02	72-11986-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-03	72-11931-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-04	72-11931-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-05	VNJ-227-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-06	VNJ-227-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-07	RT2917-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-08	RT2917-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2442-01	500-3B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2442-02	500-3B-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2445-01	CONCRETE-PAD-6-27-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2446-01	MR-BU-LNG-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2446-03	MR-BU-LNG-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2447-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2447-02	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-04	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-05	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-06	LAW-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-07	LAW-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2448-01	JEI041K-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2448-02	JEI041K-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2449-01	RBR200032	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2449-01		Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO

Date/Time 06/27/25 16:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 06/27/25 17:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136311

WorkList Name : %1-062725

WorkList ID : 190440

Department : Wet-Chemistry

Date : 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2449-02	RBR200032-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2450-01	PL-02-062725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/27/2025	Chemtech -SO
Q2450-02	PL-02-062725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/27/2025	Chemtech -SO
Q2452-01	TP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-02	TP-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-03	TP-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-05	EP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-06	EP-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-07	EP-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2457-01	OK-02-062725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/27/2025	Chemtech -SO
Q2457-02	OK-02-062725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/27/2025	Chemtech -SO

Date/Time 06/27/25 16:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/27/25 17:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	Florisil	Extraction Start Date :	06/27/2025
Matrix :	Solid	Extraction Start Time :	09:00
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
		Concentration By:	EH
		Supervisor By :	RUPESH

Extraction Method:
☐ Separatory Funnel
 ☐ Continous Liquid/Liquid
 ☐ Sonication
 ☐ Waste Dilution
 ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24627
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2624
Sand	N/A	E2865
Hexane	N/A	E3947
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723. Q2436 all samples added at 11:15 AM.

KD Bath ID:	N/A	Envap ID:	NE VAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/27/25	RS (Ext Lab)	R. Pest / PCB Lab
14:05	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 06/27/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168637BL	PBLK637	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U1-1
PB168637BS	PLCS637	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q2429-01	TP-4	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		3
Q2430-01	MH-E/F	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4
Q2430-01MS	MH-E/FMS	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		5
Q2430-01MS D	MH-E/FMSD	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		6
Q2436-01	TP-70	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q2436-02	TP-69	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		2
Q2436-03	TP-85	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		3
Q2436-04	TP-86	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		4
Q2436-05	TP-84	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		5
Q2436-06	TP-83	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		6
Q2436-07	TP-87	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		U3-1
Q2436-08	TP-100	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		2
Q2436-09	TP-99	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		3
Q2436-10	TP-82	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4

* Extracts relinquished on the same date as received.

16865A
9-22

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2429P WorkList ID : 190430 Department : Extraction Date : 06-27-2025 08:39:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2429-01	TP-4	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A53	06/26/2025	8081B
Q2430-01	MH-E/F	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A53	06/26/2025	8081B

Date/Time

Raw Sample Received by: Ad Sm

Raw Sample Relinquished by:

Date/Time

Raw Sample Received by: Ad Sm

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2436

WorkList ID : 190445

Department : Extraction

Date : 06-27-2025 11:14:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2436-01	TP-70	Solid	PCB	Cool 4 deg C	CAMP02	D51	06/25/2025	8082A
Q2436-01	TP-70	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	D51	06/25/2025	8081B
Q2436-02	TP-69	Solid	PCB	Cool 4 deg C	CAMP02	D51	06/25/2025	8082A
Q2436-02	TP-69	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	D51	06/25/2025	8081B
Q2436-03	TP-85	Solid	PCB	Cool 4 deg C	CAMP02	D51	06/25/2025	8082A
Q2436-03	TP-85	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	D51	06/25/2025	8081B
Q2436-04	TP-86	Solid	PCB	Cool 4 deg C	CAMP02	D51	06/25/2025	8082A
Q2436-04	TP-86	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	D51	06/25/2025	8081B
Q2436-05	TP-84	Solid	PCB	Cool 4 deg C	CAMP02	D51	06/25/2025	8082A
Q2436-05	TP-84	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	D51	06/25/2025	8081B
Q2436-06	TP-83	Solid	PCB	Cool 4 deg C	CAMP02	D51	06/25/2025	8082A
Q2436-06	TP-83	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	D51	06/25/2025	8081B
Q2436-07	TP-87	Solid	PCB	Cool 4 deg C	CAMP02	D51	06/26/2025	8082A
Q2436-07	TP-87	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	D51	06/26/2025	8081B
Q2436-08	TP-100	Solid	PCB	Cool 4 deg C	CAMP02	D51	06/26/2025	8082A
Q2436-08	TP-100	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	D51	06/26/2025	8081B
Q2436-09	TP-99	Solid	PCB	Cool 4 deg C	CAMP02	D51	06/26/2025	8082A
Q2436-09	TP-99	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	D51	06/26/2025	8081B
Q2436-10	TP-82	Solid	PCB	Cool 4 deg C	CAMP02	D51	06/26/2025	8082A
Q2436-10	TP-82	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	D51	06/26/2025	8081B

Date/Time 6/27/25 11:15
 Raw Sample Received by: RJ (Ext 96)
 Raw Sample Relinquished by: CJ

Date/Time 6/27/25 11:30
 Raw Sample Received by: CJ
 Raw Sample Relinquished by: RJ (Ext 96)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 7325904679 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINAS.MA@CDMSMITH.COM
PHONE: 7325904679 FAX:

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 7325904679

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data) ☐ Other _____
☐ EDD FORMAT _____

1. TCL VOC 2. TCL SVOC 3. TAL METALS 4. PESTICIDES 5. HERBICIDES 6. DRUGS 7. PCRS 8. 9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-70	S		X	6/25/25	0800	6	X	X	X	X	X	X	X			E
2.	TP-69	S		X	6/25/25	0840	6	X	X	X	X	X	X	X			E
3.	TP-85	S		X	6/25/25	0938	6	X	X	X	X	X	X	X			E
4.	TP-86	S		X	6/25/25	1020	6	X	X	X	X	X	X	X			E
5.	TP-84	S		X	6/25/25	1100	6	X	X	X	X	X	X	X			E
6.	TP-83	S		X	6/25/25	1135	6	X	X	X	X	X	X	X			E
7.	TP-87	S		X	6/26/25	0800	6	X	X	X	X	X	X	X			E
8.	TP-100	S		X	6/26/25	0845	6	X	X	X	X	X	X	X			E
9.	TP-99	S		X	6/26/25	0930	6	X	X	X	X	X	X	X			E
10.	TP-82	S		X	6/26/25	1020	6	X	X	X	X	X	X	X			E

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C
1. [Signature]	6/26/25 1500	1. [Signature]	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. [Signature]	6-26-25 1630	3.	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2336	PSEG03	Order Date : 6/16/2025 12:39:35 PM	Project Mgr :
Client Name : PSEG		Project Name : Row Watchung Bridge Repl	Report Type : Results Only <i>Level-2</i>
Client Contact : Andrew Goddard		Receive DateTime : 6/16/2025 12:10:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : PSEG		Purchase Order :	Hard Copy Date :
Invoice Contact : Andrew Goddard			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2336-01	WBR-1	Solid	06/16/2025	08:30	VOC-TCLVOA-10	Bayshore	8260D	3 Bus. Days	
Q2336-03	WBR-2	Solid	06/16/2025	09:03	VOC-TCLVOA-10	Bayshore	8260D	3 Bus. Days	

Relinquished By : *[Signature]*

Date / Time : *06/16/25 1250*

Received By : *[Signature]*

Date / Time : *06/16/25*

Storage Area : VOA Refridgerator Room

*12:50 Rgt H 6
F22*